

NASA SP-3090

TABLES AND CHARTS

OF EQUILIBRIUM

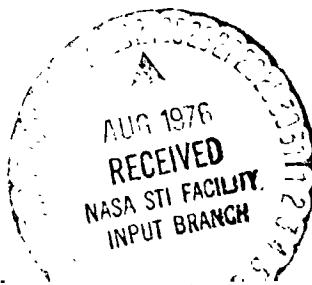
TERMODYNAMIC PROPERTIES

OF AMMONIA FOR

TEMPERATURES FROM

500 TO 50 000 K

SIMMONDS, MILLER, and NEALY



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(NASA-SF-3090) TABLES AND CHARTS OF
EQUILIBRIUM THERMODYNAMIC PROPERTIES OF
AMMONIA FOR TEMPERATURES FROM 5° TO 50,000
K. (NASA) 259 p HC \$9.

N76-3797

CSCL 2.1

Unclassified
H1/77 48174

NASA SP-3099

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THERMODYNAMIC PROPERTIES

OF AMMONIA FOR

TEMPERATURES FROM

500 TO 50 000 K

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Prepared by Langley Research Center



Scientific and Technical Information Office
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Washington, D.C.

1976

PREFACE

Equilibrium thermodynamic properties for pure ammonia were generated with a method based on minimization of the Gibbs free energy and are presented in tabulated and graphical form for a range of temperature from 500 to 50 000 K and pressure from 0.01 to 40 MN/m². Properties include pressure, temperature, density, enthalpy, speed of sound, entropy, molecular-weight ratio, specific heat at constant pressure, specific heat at constant volume, isentropic exponent, and species mole fractions.

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SUMMARY

Equilibrium thermodynamic properties for pure ammonia were generated for a range of temperature from 500 to 50 000 K and pressure from 0.01 to 40 MN/m² and are presented in tabulated and graphical form. Properties include pressure, temperature, density, enthalpy, speed of sound, entropy, molecular-weight ratio, specific heat at constant pressure, specific heat at constant volume, isentropic exponent, and species mole fractions.

These properties were calculated by the method of NASA TN D-3538 and NASA TN D-3540 which is based on minimization of the Gibbs free energy. The data presented herein are for an 18-species (e^- , NH₃, NH₂, NH, N₂H₂, H, H₂, H₂⁺, H⁺, H⁻, N, N₂, N₂⁺, N⁺, N⁻, N⁺⁺, N⁺⁺⁺, and N⁺⁺⁺⁺) ammonia model. Heats of formation and spectroscopic constants used as input data are presented. Comparison of several thermodynamic properties calculated with the present program and a second computer code is performed for a range of pressure and for temperatures up to 30 000 K.

INTRODUCTION

Arc-driven shock tubes have played a major role in establishing a data base for determining the thermochemical environment about vehicles entering the atmospheres of Earth, Mars, and Venus. This was achieved by generating high-velocity incident shock waves into quiescent test gases representative of model atmospheres for the various planets. In so doing, gas properties behind the normal portion of the bow shock about a blunt entry vehicle were simulated. With the recent shift in interest toward entry into the atmospheres of the outer planets came a more severe velocity simulation requirement leading to continued efforts to increase the performance of arc-driven shock tubes. One concept currently under study is the use of ammonia NH₃ as the driver gas to increase arc stability and thereby improve shock-tube performance (ref. 1). Naturally, study of such a concept requires knowledge of the thermodynamic properties of ammonia at high temperatures.

The purpose of the present study is to provide a convenient source of engineering estimates of thermochemical equilibrium properties, including mole fractions, of pure ammonia for temperatures up to 50 000 K and a range of pressure from 0.01 to 40 MN/m². The present data are generated by the method of references 2 and 3, which is based upon minimization of the Gibbs free energy. The species used in the ammonia model are e^- , NH₃, NH₂, NH, N₂H₂, H, H₂, H₂⁺, H⁺, H⁻, N, N₂, N₂⁺, N⁺, N⁻, N⁺⁺, N⁺⁺⁺, and N⁺⁺⁺⁺.

Thermodynamic properties and mole fractions are presented in tabulated and graphical form. Because of the importance of accurate heat-of-formation and spectroscopic-constant input data for the individual species used in the free-energy minimization procedure, these input data for the 18-species ammonia model are presented in an appendix.

The lack of plots or tabulations of high-temperature thermodynamic properties for pure ammonia in the open literature prevented a comparison of the present results with previously calculated properties. Therefore, several thermodynamic properties (density, enthalpy, entropy, and molecular weight) for high-temperature ammonia generated with the present 18-species model are compared for several pressures with those generated by the computational scheme of reference 4. Such a comparison is of interest in a study of this nature since it illustrates the magnitude of discrepancies that exists between various computational schemes, and thereby suggests the magnitude of errors that may exist in the calculated properties.

SYMBOLS

a	speed of sound, m/sec
c _p	specific heat at constant pressure, kJ/kg-K
c _v	specific heat at constant volume, kJ/kg-K
h	specific enthalpy, J/kg
p	pressure, N/m ²
R	universal gas constant, 8.31434 kJ/kmol-K
s	specific entropy, kJ/kg-K
T	temperature, K
w	molecular weight, kg/kmol
w ₀	molecular weight of undissociated ammonia, 17.032 kg/kmol
z	compressibility factor

Z^* molecular-weight ratio, $\frac{W_0}{W}$

γ_E isentropic exponent, $\left(\frac{\partial \log p}{\partial \log \rho}\right)_s$

ρ density, kg/m^3

Subscript:

0 reference value

CONVERSION FACTORS AND CONSTANTS

Conversion factors (ref. 5) between the International System of Units (SI) and U.S. Customary Units for the quantities presented in the present tables and charts are

$$1 \text{ N/m}^2 = 9.8692 \times 10^{-6} \text{ atm} = 1.4504 \times 10^{-4} \text{ psi} = 2.0885 \times 10^{-2} \text{ lbf/ft}^2$$

$$1 \text{ kg/m}^3 = 6.2428 \times 10^{-2} \text{ lbm/ft}^3 = 1.9403 \times 10^{-3} \text{ slug/ft}^3$$

$$1 \text{ J/kg} = 1 \text{ m}^2/\text{sec}^2 = 10.764 \text{ ft}^2/\text{sec}^2 = 4.3021 \times 10^{-4} \text{ Btu/lbm}$$

$$1 \text{ m/sec} = 3.2808 \text{ ft/sec} = 2.2369 \text{ mph}$$

Physical constants are used herein to present thermodynamic properties in nondimensional form. These physical constants are

$$p_0 = 101.325 \text{ kN/m}^2$$

$$T_0 = 405.55 \text{ K}$$

$$W_0 = 17.032 \text{ kg/kmol}$$

$$\rho_0 = 0.5118 \text{ kg/m}^3$$

$$a_0 = 479.23 \text{ m/sec}$$

The quantities ρ_0 and a_0 correspond to the quantities p_0 , T_0 , and w_0 , where T_0 is equal to the critical temperature of ammonia and w_0 represents the undissociated molecular weight of ammonia. Note that for the given reference values of p_0 and T_0 , ammonia is dissociated and the molecular weight is approximately 12.8 kg/kmol.

COMPUTATION OF THERMODYNAMIC PROPERTIES

The thermochemical equilibrium procedure of references 2 and 3, which is based upon minimization of the Gibbs free energy, was used to generate the present results. Dissociation and first, second, third, and fourth ionization are included. Basic assumptions are

- (1) The mixture is composed of ideal gases (intermolecular-force effects are neglected).
- (2) For diatomic species, the rigid-rotor harmonic-oscillator model is used with vibrational-rotational corrections.
- (3) Only electronic levels with principal quantum number less than or equal to 5 are included.

For each given pressure and temperature combination, the free energies for individual species are computed from partition functions of statistical mechanics. The equilibrium composition is then obtained by minimization of the free energy. Corrections for effects of intermolecular forces and coulomb interactions are not included in the present calculations. Originally, 19 species were considered for the ammonia model, these being e^- , NH_3 , NH_2 , NH , NH^+ , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++} . A lack of required input data for the species NH^+ resulted in its being omitted. Although the species N^- was included in the present ammonia model, it should be noted (ref. 6) that the existence of the N^- ion has yet to be definitely established and has been the subject of much controversy. Spectroscopic constants and heats of formation for these 18 species are obtained from references 7, 8, 9, and 10. Because of the importance of these data for accurate determination of thermodynamic properties and species mole fractions, these input data are presented in the appendix for the 18-species model.

For the present study, iterations on the species concentration (number of kilomoles of a species per mass of mixture) were continued until the absolute value of each concentration changed by less than 10^{-12} between successive iterations. This iterative criterion is referred to in reference 2 as the absolute criterion. A relative criterion was also employed to prevent termination of the iterations while a minor species was still changing by as much as 0.1 of its previous value.

Accuracies associated with the procedure of references 2 and 3 for gases other than ammonia are discussed in reference 3. In the comparison of reference 3 for real air,

first-order thermodynamic properties ρ , s , h , and Z^* agreed with more rigorous calculations to within 1 percent and second-order properties a , c_p , c_v , and γ_E to within 5 percent for $T \leq 15\,000$ K and $p/p_0 \leq 100$. Similar comparisons performed for carbon dioxide in reference 11 revealed that the method of references 2 and 3 yielded first-order properties to within 2 percent for $T \leq 25\,000$ K and $p/p_0 \leq 100$. At high temperatures, ammonia exists primarily as ionized hydrogen and nitrogen species. Input data for the nitrogen species N , N^+ , and N^{++} are believed to be accurate since they have been involved in the comparisons of reference 3; those for the hydrogen species are believed to be accurate on the basis of comparisons made with the tabulations of reference 10.

The lack of thermodynamic properties and mole fractions for high-temperature ammonia in the open literature prevented comparison of the present computations with a documented source. However, a second computational method (ref. 4), based on curve fits to the results of reference 9, was used to generate properties for ammonia. A 14-species ammonia model (the same species as the present ammonia model without H_2^+ , N^- , N^{+++} , and N^{++++}) was used in this second method. Most of the curve fits for this second method were applicable only to temperatures up to 6000 K, although the fits applied to the species N_2^+ , N^+ , and N^{++} were extended to a temperature of 10 000 K. Because of the simplicity of the second method, resulting in relatively little computer time required to generate thermodynamic properties, it is often used to determine engineering estimates of flow quantities in the shock layer about hypervelocity entry vehicles in the atmosphere of inner and outer planets.

Thermodynamic properties – density ρ , enthalpy h , entropy s , and molecular-weight ratio Z^* – generated with both the present method and the simpler method of reference 4 are compared in figure 1 for a range of temperature and for pressures p/p_0 equal to 0.1, 1.0, 10, and 100. In figure 1, percent difference between the two methods for a given thermodynamic property is plotted as a function of temperature for the four values of pressure. The temperature range for this comparison is 1000 K to 30 000 K. This temperature range was chosen since at temperatures above 30 000 K, the agreement between the two procedures rapidly worsened, particularly for the lowest value of pressure. This increase in the difference between the methods is attributed to the fact that the simpler method of reference 4 included only second ionization of atomic nitrogen and is viewed as erroneous. (As will be observed subsequently, N^{++} becomes a significant contributor at the higher temperatures.) The agreement between the two methods for s at all four values of p/p_0 and for ρ and Z^* at $p/p_0 \leq 10$ is excellent (within 1 percent) over the present temperature range. For $p/p_0 = 100$, the agreement between the methods for ρ and Z^* worsens somewhat, but is still good (within 3 percent). For enthalpy h and temperatures in excess of 5000 K, the agreement between the two methods is within approximately 2 percent for all values of p/p_0 considered. However, at temperatures less than 5000 K, the agreement is poorer, being as high as 8 percent. A pos-

sible contributor to this poorer agreement for enthalpy at $T < 5000$ K is the difficulty in obtaining accurate curve fits at the lower temperatures in reference 4. (Most of the curve fits employed in the method of reference 4 for the various species were obtained for two temperature ranges, the first being from 500 K to 3000 K and the second being from 3000 K to 6000 K. At the lower temperatures, specific heat at constant pressure (the parameter curve fitted) varies with temperature much more than at higher temperatures, and is therefore less amenable to accurate curve fitting with simple expressions.) Overall, the agreement between the two methods for the properties and range of conditions displayed in figure 1 is good.

As mentioned previously, the method of references 2 and 3 does not consider intermolecular force effects. To warn the user of combinations of the input parameters p and T which would correspond to compressibility factors Z much different from unity at low temperatures, the values of compressibility factor calculated and tabulated in reference 12 for pure ammonia were used to generate figure 2, where temperature is plotted as a function of pressure p/p_0 and the solid line denotes Z equal to unity. For combinations of pressure and temperature which occur in the shaded region of figure 2, intermolecular force effects on calculated thermodynamic properties for ammonia are expected to be significant. (That is, at the lower values of temperature, values of pressure which yield compressibility factors that deviate from unity by more than 1 percent are denoted in fig. 2 by the shaded area.) Thus, combinations of p and T in this region should be used with discretion.

TABLES

In table I, equilibrium thermodynamic properties for ammonia, calculated with the 18-species ammonia model, are presented for a range of pressure p/p_0 from 0.1 to 400 and are arranged in groups of constant pressure. The temperature is varied within the group in increments of 100 K for temperatures from 500 K to 5000 K, 200 K for temperatures from 5000 K to 10 000 K, and 1000 K for temperatures from 10 000 K to 50 000 K. The columns of each tabulation, for a given p/p_0 , are identified by letters (FORTRAN symbols) which are defined in terms of the symbols adopted in this report in the following table:

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FORTRAN symbol	Thermodynamic property
P/PO	p/p_0
T	T
RHO/RHO-O	ρ/ρ_0
H/RTO	hW_0/RT_0
S/R	sW_0/E
A/AO	a/a_0
Z	Z^*
CP/R	$c_p W_0/R$
CV/R	$c_v W_0/R$
GAMMA	γ_E

Constants used to nondimensionalize these thermodynamic properties are given in the sections "Symbols" and "Conversion Factors and Constants." Mole fractions corresponding to the thermodynamic properties tabulated in table I for various values of p/p_0 are presented in table II. Mole fractions for all 18 species were computed for each combination of pressure and temperature. Headings of the columns of each tabulation, for a given p/p_0 , identify the 18 species by FORTRAN symbols. Note in table II that mole fractions for species e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , and H^+ are presented on the left-hand page for $500 K < T < 50 000 K$, and mole fractions corresponding to the same pressure and range of temperature for species H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++} are presented on the adjacent right-hand page. As can be observed from these mole fractions over the present range of pressure and temperature, several species with mole fractions less than approximately 10^{-3} , such as NH_2 , N_2H_2 , H_2^+ , H^- , N_2^+ , N^- , and N^{+++} , may be omitted from the initial 18-species model with no sacrifice in accuracy in calculated thermodynamic properties. This fact is more clearly observed in the figures to be discussed subsequently.

CHARTS

Charts illustrating computed thermodynamic properties and mole fractions (corresponding to tables I and II, respectively) are presented in figures 3 and 4, respectively. In these figures, thermodynamic properties and mole fractions are plotted as a function of temperature between 500 and 50 000 K for pressures p/p_0 equal to 0.1, 1.0, 10, and 100. In figure 3, thermodynamic properties which intersected for the four pressures are denoted by different types of curves to provide for more accurate reading as a function of temperature. In figure 4, the same format as was employed in table II is used; that is, for a given pressure p/p_0 , the species e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , and H^+ are plotted on the left-hand page for $500 K < T < 50 000 K$ and the species H^- , N , N_2 , N_2^+ , N^+ ,

N^- , N^{++} , N^{+++} , and N^{++++} are plotted on the right-hand page for $500 \text{ K} < T < 50\,000 \text{ K}$. Only values of mole fractions for individual species exceeding 10^{-6} are plotted. From figure 4, it is observed that for the pressure range of p/p_0 from 0.1 to 100 and temperatures exceeding approximately 12 000 K, contributing species to the calculation of thermodynamic properties of ammonia have decreased to seven, these being e^- , H , H^+ (protons), N , N^+ , N^{++} , and N^{+++} .

CONCLUDING REMARKS

Equilibrium thermodynamic properties and species mole fractions for pure ammonia are presented in tabulated and graphical form for a range of temperature from 500 K to 50 000 K and pressure from 0.01 to 40 MN/m². Properties include density, enthalpy, speed of sound, entropy, molecular-weight ratio, specific heat at constant pressure, specific heat at constant volume, isentropic exponent, and species mole fractions. These results were generated by the method of NASA TN D-3538 and NASA TN D-3540, which is based on free-energy minimization. The data presented herein were calculated with an 18-species (e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++}) ammonia model. For the range of pressure and temperature of this study, species NH_2 , N_2H_2 , H_2^+ , H^- , N_2^+ , N^- , and N^{++++} are trace species and may be omitted with no sacrifice in accuracy in calculated thermodynamic properties. A comparison of several thermodynamic properties computed by the present procedure with those computed by a second method is presented for pressures from 0.01 to 10 MN/m² and temperatures up to 30 000 K. This comparison showed that the maximum differences in density, entropy, and molecular-weight ratio from the two methods were 3 percent and in enthalpy, 8 percent; for temperatures in excess of 5000 K, the maximum difference in enthalpy was 2 percent.

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May 19, 1976

APPENDIX

SPECTROSCOPIC CONSTANTS AND HEATS OF FORMATION FOR 18-SPECIES AMMONIA MODEL

The accuracy associated with the computation of thermodynamic properties and species mole fractions using the free-energy minimization method of references 2 and 3 is dependent upon the spectroscopic-constant and heat-of-formation input data. Because of the importance of such input data, a tabulation of these data for the 18-species ammonia model (e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{++} , and N^{++++}) used in the computations herein is presented in this appendix. It should be noted that electrons e^- are treated as atomic species. The internal partition function for an electron considers the spin degeneracy. Thus, the electron has a "ground-state" degeneracy of 2 and no electronic excitation states. Protons H^+ are also treated as atomic species, and although the proton possesses a nuclear spin of 1/2 (the same value as the spin for an electron), this nuclear spin is ignored (that is, the degeneracy is entered as unity) in the method of references 2 and 3 for reasons discussed in reference 13. Input data for the controversial species N^- were obtained from reference 10. The tabulation of input data for the present 18-species ammonia model is as follows:

INPUT DATA FOR 18-SPECIES AMMONIA MODEL

Species	Number of electronic levels considered	Molecular weight, kg/mole	Heat of formation at 0 K, ergs/mol	Symmetry number	Spectroscopic constants, cm ⁻¹			Maximum vibrational quantum number
					Rotational	Vibrational-rotational	Anharmonic vibrational	
e-	1	0.0005903	0	0	0	0	0	0
NH ₃	1	17.03200	-3.9190300 × 10 ¹¹	3	17.35655	0	0	0
NH ₂	1	16.02264	1.7080000 × 10 ¹²	3	a21.40000	0	a3573.00	0
NH	4	15.01600	3.3000000 × 10 ¹²	1	16.6870	0.6460	3288.40	86.50
					16.5370	.1700	3186.00	29.00
					16.4000	0	3480.00	0
					16.6927	.7440	3232.50	99.20
N ₂ H ₂	1	30.02934	2.2020000 × 10 ¹²	6	a3.9050	0	a2673.00	0
H	6	1.00797	2.1597808 × 10 ¹²	0	0	0	0	6
H ₂	1	2.01594	0	2	60.8100	2.9800	4395.20	117.90
H ₂ ⁺	1	2.01559	1.43884162 × 10 ¹³	2	29.8000	1.4000	2397.00	62.00
H ⁺	1	1.00742	1.5272855 × 10 ¹³	0	0	0	0	0
H ⁻	16	1.00852	1.4392980 × 10 ¹²	0	0	0	0	5
N	30	14.00800	4.7072980 × 10 ¹²	0	0	0	0	10
N ₂	6	28.01600	0	2	1.8980	0.0170	2358.07	14.19
					1.4400	.0130	1460.37	33
					1.6380	.0184	1734.11	13.89
					1.6182	.0183	1693.70	26
					1.4800	.0164	1530.00	14.47
					1.8258	.0197	2035.10	29
N ₂ ⁺	4	28.01300	1.5033380 × 10 ¹³	2	1.8322	0.0202	2207.23	17.08
					1.7220	.0180	1902.84	13.83
					2.0030	.0195	2419.84	23.19
					1.6500	.0500	2050.00	14.92
N ⁺	30	14.00745	1.8726070 × 10 ¹³	0	0	0	0	30
N ⁻	30	14.00725	4.8530216 × 10 ¹²	0	0	0	0	0
N ⁺⁺	30	14.00690	4.7288300 × 10 ¹³	0	0	0	0	0
N ⁺⁺	23	14.00635	9.3062820 × 10 ¹³	0	0	0	0	0
N ⁺⁺⁺	14	14.00580	1.6778063 × 10 ¹⁴	0	0	0	0	0

^aThese entries do not correspond exactly to the spectroscopic constants for these polyatomic species, but are the values used as parameters in approximate partition functions for these species.

INPUT DATA FOR 18-SPECIES AMMONIA MODEL - Concluded

Degeneracy of electronic energy level, cm ⁻¹	Energy of electronic level, cm ⁻¹	Degeneracy of electronic energy level, cm ⁻¹		Degeneracy of electronic energy level, cm ⁻¹		Degeneracy of electronic energy level, cm ⁻¹		Degeneracy of electronic energy level, cm ⁻¹	
		H ⁻ (continued)	N [*]	N [*]	N [*]	N [*] (continued)	N [*]	N ⁺⁺	N ⁺⁺
2	6	340	1.9739856 · 10 ⁵	9	0	3	10.201183	1	0
	NH ₃	78	1.9805630	5	1.5316 · 10 ⁴	5	10.286163	4	6.7199562 · 10 ⁴
1	0		N	1	3.2687	25	10.286506	5	6.7343750
	NH ₂	4	0	5	4.7168	15	10.290813	3	13.06950
1	0	1C	1.9225 · 10 ⁴	15	9.2245	9	10.306938	4	17.553969
	NH	6	2.8840	9	10.9220	8	10.501900	5	17.566150
3	0	12	8.3330	5	14.4189	40	10.538525	5	18.88850
2	1.492200 · 10 ⁴	6	8.6180	12	14.9000	9	10.591125	1	23.53700
1	2.351100	12	8.8140	3	15.5130	8	10.654506	3	37.70060
6	2.977799	20	9.3582	18	16.4612	40	10.675119	1	38.87500
	N ₂ H ₂	4	9.6752	5	17.4212	40	10.744538	12	40.584438
1	0	10	9.6810	1	17.8274	40	10.757306	15	41.987038
	H	6	9.7800	41	18.7090	8	10.802138	5	42.91500
2	0	10	9.8660	16	18.9100	6	10.840569	9	46.546338
8	8.2259250 · 10 ⁴	18	10.4000	3	19.0121	12	10.93700	3	47.30320
18	9.7492312	34	10.4700	12	19.7200	10	10.104	7	52.18680
32	10.2825980	56	10.5000	30	20.3000	2	13.104	45	55.441900
50	10.521330	18	10.7200	21	20.5700	6	14.5920	15	57.49400
72	10.6632130	16	10.7600	153	21.0500	4	18.69602	20	59.370400
	H ₂	54	10.9800	12	21.4928	10	20.3978		
		12	10.9880	12	21.8000	2	22.1502		
1	0	106	11.0350	37	22.3000	6	23.0407		
	H ₂ [*]	132	11.1600	15	22.6000	10	26.7122	2	
2	0	136	11.2200	15	22.8000	12	28.750	6	45.613400
	H [*]	6	11.2310	14	23.0300	6	29.7210	2	47.702865
		68	11.2820	5	23.4250	2	30.1088	10	48.441100
1	0	30	11.2910		N [*]	32	31.0500	2	60.653700
	H ⁻	2	11.3600		N [*]	4	31.4224	6	61.51500
1	0	10	11.3900	5	0	22	31.7550	10	61.79050
3	1.5985031 · 10 ⁵	14	11.7000	3	.0158500 · 10 ⁴	14	32.0288	2	67.39880
1	1.6627169	1	0	1	.0265500	10	32.1040	16	67.918850
12	1.6908106	3	4.9757 · 10 ⁴	5	1.5867899	30	32.8000	62	71.313219
3	1.8323106	6	5.9314	3	3.2792398	22	33.6250	2	73.16380
1	1.8485000	2	6.8953	15	7.6194687	20	33.9530		
9	1.8555868	1	7.0700	9	8.6631000	48	34.3000		
23	1.8609368	6	8.7984	5	8.8630812	24	34.8000		
4	1.9029244	3		1	9.5472375	32	35.4000		
60	1.9144656			3	9.6225500	12	36.8620		
13	1.9379306	2	0	45	9.7420187	22	37.4000		
51	1.9391975	4	0.902 · 10 ⁴	15	9.9094500	52	37.9000		
68	1.932581	2	2.557	9	9.9800375	2	38.0700		
188	1.9695031	2	6.455	15	10.115500				
				5	10.211619				

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TABLE I. - NONDIMENSIONAL EQUILIBRIUM THERMODYNAMIC PROPERTIES FOR AMMONIA

P/PC = 1.00E-01

T	RHO/RHO-0	H/RHO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	4.096E-02	8.245E+00	4.421E+01	1.665E+00	1.980E+00	9.884E+00	7.430E+00	1.318E+00
6.000E+02	3.384E-02	1.025E+01	4.569E+01	1.877E+00	1.997E+00	7.372E+00	5.223E+00	1.303E+00
7.000E+02	2.498E-02	1.204E+01	4.681E+01	2.031E+00	1.999E+00	7.198E+00	5.189E+00	1.307E+00
8.000E+02	2.535E-02	1.382E+01	4.778E+01	2.168E+00	2.000E+00	7.233E+00	5.231E+00	1.303E+00
9.000E+02	2.252E-02	1.561E+01	4.863E+01	2.295E+00	2.000E+00	7.307E+00	5.307E+00	1.377E+00
1.000E+03	2.028E-02	1.743E+01	4.961E+01	2.414E+00	2.000E+00	7.396E+00	5.396E+00	1.371E+00
1.100E+03	1.843E-02	1.926E+01	5.012E+01	2.526E+00	2.000E+00	7.491E+00	5.491E+00	1.364E+00
1.200E+03	1.690E-02	2.113E+01	5.078E+01	2.632E+00	2.000E+00	7.590E+00	5.590E+00	1.358E+00
1.300E+03	1.520E-02	2.301E+01	5.139E+01	2.733E+00	2.000E+00	7.690E+00	5.690E+00	1.352E+00
1.400E+03	1.448E-02	2.493E+01	5.197E+01	2.830E+00	2.000E+00	7.793E+00	5.792E+00	1.345E+00
1.500E+03	1.352E-02	2.687E+01	5.251E+01	2.922E+00	2.000E+00	7.897E+00	5.905E+00	1.339E+00
1.600E+03	1.267E-02	2.884E+01	5.303E+01	3.010E+00	2.000E+00	8.046E+00	6.043E+00	1.332E+00
1.700E+03	1.193E-02	3.086E+01	5.352E+01	3.092E+00	2.000E+00	8.252E+00	6.239E+00	1.323E+00
1.800E+03	1.126E-02	3.293E+01	5.400E+01	3.167E+00	2.001E+00	8.572E+00	6.542E+00	1.310E+00
1.900E+03	1.066E-02	3.512E+01	5.448E+01	3.233E+00	2.002E+00	8.91E+00	7.027E+00	1.293E+00
2.000E+03	1.012E-02	3.746E+01	5.497E+01	3.291E+00	2.004E+00	9.923E+00	7.798E+00	1.271E+00
2.100E+03	9.615E-03	4.007E+01	5.549E+01	3.342E+00	2.309E+00	1.122E+01	9.987E+00	1.246E+00
2.200E+03	9.147E-03	4.307E+01	5.605E+01	3.390E+00	2.015E+00	1.316E+01	1.075E+01	1.219E+00
2.300E+03	8.701E-03	4.665E+01	5.671E+01	3.440E+00	2.026E+00	1.595E+01	1.326E+01	1.195E+00
2.400E+03	8.270E-03	5.105E+01	5.746E+01	3.499E+00	2.043E+00	1.982E+01	1.670E+01	1.174E+00
2.500E+03	7.843E-03	5.655E+01	5.837E+01	3.568E+00	2.068E+00	2.499E+01	2.122E+01	1.158E+00
2.600E+03	7.414E-03	6.352E+01	5.948E+01	3.652E+00	2.104E+00	3.156E+01	2.693E+01	1.147E+00
2.700E+03	6.978E-03	7.232E+01	6.082E+01	3.753E+00	2.153E+00	3.990E+01	3.383E+01	1.140E+00
2.800E+03	6.531E-03	8.334E+01	6.245E+01	3.872E+00	2.218E+00	4.965E+01	4.173E+01	1.136E+00
2.900E+03	6.077E-03	9.611E+01	6.438E+01	4.011E+00	2.301E+00	6.049E+01	5.022E+01	1.134E+00
3.100E+03	5.223E-03	1.132E+02	6.662E+01	4.171E+00	2.404E+00	7.149E+01	5.852E+01	1.135E+00
3.200E+03	5.179E-03	1.321E+02	6.913E+01	4.350E+00	2.526E+00	8.113E+01	6.551E+01	1.137E+00
3.300E+03	4.761E-03	1.529E+02	7.181E+01	4.545E+00	2.662E+00	9.764E+01	6.984E+01	1.141E+00
3.400E+03	4.051E-03	1.962E+02	7.454E+01	4.749E+00	2.805E+00	8.870E+01	7.036E+01	1.146E+00
3.500E+03	3.774E-03	2.158E+02	7.713E+01	4.954E+00	2.944E+00	8.620E+01	6.567E+01	1.153E+00
3.600E+03	3.545E-03	2.329E+02	8.140E+01	5.154E+00	3.071E+00	7.498E+01	5.948E+01	1.163E+00
3.700E+03	3.359E-03	2.670E+02	8.297E+01	5.527E+00	3.177E+00	6.332E+01	5.035E+01	1.175E+00
3.800E+03	3.207E-03	2.585E+02	8.420E+01	5.702E+00	3.263E+00	5.160E+01	4.104E+01	1.190E+00
3.900E+03	3.080E-03	2.676E+02	8.517E+01	5.871E+00	3.376E+00	3.339E+01	2.625E+01	1.231E+00
4.000E+03	2.922E-03	2.751E+02	8.593E+01	6.034E+00	3.412E+00	2.752E+01	2.139E+01	1.255E+00
4.100E+03	2.877E-03	2.813E+02	8.656E+01	6.186E+00	3.438E+00	2.369E+01	1.805E+01	1.277E+00
4.200E+03	2.793E-03	2.868E+02	8.709E+01	6.322E+00	3.455E+00	2.093E+01	1.593E+01	1.295E+00
4.300E+03	2.715E-03	2.917E+02	8.757E+01	6.435E+00	3.473E+00	1.950E+01	1.478E+01	1.304E+00
4.400E+03	2.644E-03	2.965E+02	8.801E+01	6.523E+00	3.484E+00	1.895E+01	1.438E+01	1.305E+00
4.500E+03	2.577E-03	3.011E+02	8.843E+01	6.590E+00	3.497E+00	1.912E+01	1.461E+01	1.298E+00
4.600E+03	2.513E-03	3.059E+02	8.886E+01	6.640E+00	3.508E+00	1.988E+01	1.535E+01	1.285E+00
4.800E+03	2.452E-03	3.110E+02	8.930E+01	6.682E+00	3.519E+00	2.116E+01	1.653E+01	1.270E+00
4.900E+03	2.393E-03	3.164E+02	8.976E+01	6.720E+00	3.531E+00	2.289E+01	1.811E+01	1.253E+00
5.000E+03	2.335E-03	3.223E+02	9.026E+01	6.759E+00	3.544E+00	2.502E+01	2.003E+01	1.238E+00
5.200E+03	2.279E-03	3.288E+02	9.079E+01	6.802E+00	3.559E+00	2.750E+01	2.223E+01	1.223E+00
5.400E+03	2.170E-03	3.437E+02	9.197E+01	6.908E+00	3.595E+00	3.322E+01	2.729E+01	1.201E+00
5.600E+03	1.963E-03	3.616E+02	9.334E+01	7.041E+00	3.640E+00	3.919E+01	3.246E+01	1.187E+00
5.800E+03	1.826E-03	3.822E+02	9.486E+01	7.202E+00	3.694E+00	4.409E+01	3.660E+01	1.180E+00
6.000E+03	1.772E-03	4.027E+02	9.646E+01	7.389E+00	3.757E+00	4.633E+01	3.839E+01	1.140E+00
6.200E+03	1.691E-03	4.273E+02	9.801E+01	7.558E+00	3.814E+00	4.486E+01	3.694E+01	1.187E+00
6.400E+03	1.620E-03	4.483E+02	9.961E+01	7.828E+00	3.868E+00	3.994E+01	3.255E+01	1.202E+00
6.600E+03	1.558E-03	4.812E+02	1.006E+02	8.080E+00	3.912E+00	3.330E+01	2.670E+01	1.227E+00
6.800E+03	1.504E-03	5.933E+02	1.022E+02	8.334E+00	3.964E+00	2.700E+01	2.115E+01	1.261E+00
7.000E+03	1.455E-03	6.036E+02	1.028E+02	8.899E+00	3.967E+00	2.220E+01	1.693E+01	1.300E+00
7.200E+03	1.411E-03	5.123E+02	1.033E+02	9.121E+00	3.993E+00	1.746E+01	1.421E+01	1.337E+00
7.400E+03	1.369E-03	5.204E+02	1.038E+02	9.286E+00	4.002E+00	1.687E+01	1.227E+01	1.311E+00
7.600E+03	1.331E-03	5.291E+02	1.043E+02	9.400E+00	4.010E+00	4.102E+00	1.706E+01	1.264E+00
7.800E+03	1.294E-03	5.377E+02	1.047E+02	9.478E+00	4.017E+00	1.784E+01	1.318E+01	1.349E+00
8.000E+03	1.257E-03	5.468E+02	1.052E+02	9.535E+00	4.026E+00	1.913E+01	1.435E+01	1.328E+00
8.200E+03	1.225E-03	5.566E+02	1.057E+02	9.583E+00	4.036E+00	2.088E+01	1.591E+01	1.335E+00
8.400E+03	1.193E-03	5.675E+02	1.062E+02	9.631E+00	4.048E+00	2.308E+01	1.707E+01	1.293E+00
8.600E+03	1.161E-03	5.795E+02	1.068E+02	9.684E+00	4.063E+00	2.574E+01	2.022E+01	1.263E+00
8.800E+03	1.129E-03	5.929E+02	1.074E+02	9.746E+00	4.081E+00	2.890E+01	2.300E+01	1.244E+00
9.000E+03	1.095E-03	6.081E+02	1.081E+02	9.817E+00	4.102E+00	3.259E+01	2.621E+01	1.228E+00
9.200E+03	1.068E-03	6.252E+02	1.089E+02	9.901E+00	4.128E+00	3.685E+01	2.988E+01	1.214E+00
9.400E+03	1.038E-03	6.445E+02	1.097E+02	9.986E+00	4.150E+00	4.171E+01	3.403E+01	1.203E+00
9.600E+03	1.007E-03	6.646E+02	1.106E+02	1.010E+01	4.194E+00	4.721E+01	3.866E+01	1.193E+00
9.800E+03	9.771E-04	6.912E+02	1.117E+02	1.022E+01	4.235E+00	5.339E+01	4.384E+01	1.185E+00
1.000E+04	9.467E-04	7.192E+02	1.128E+02	1.036E+01	4.284E+00	6.026E+01	4.950E+01	1.178E+00
1.020E+04	7.922E-04	9.194E+02	1.205E+02	1.124E+01	4.654E+00	1.048E+02	8.443E+01	1.162E+00
1.040E+04	6.403E-04	1.243E+03	1.319E+02	1.251E+01	5.278E+00	1.584E+02	1.215E+02	1.162E+00
1.060E+04	5.111E-04	1.667E+03	1.457E+02	1.406E+01	6.104E+00	1.798E+02	1.365E+02	1.172E+00
1.080E+04	4.205E-04	2.082E+03	1.581E+02	1.564E+01	6.889E+00	1.488E+02	1.435E+02	1.193E+00
1.100E+04	3.662E-04	2.384E+03	1.666E+02	1.707E+01	7.423E+00	9.630E+01	7.385E+01	1.211E+00
1.120E+04	3.287E-04	2.571E+03	1.715E+02	1.842E+01	7.711E+00	9.904E+01	6.417E+01	1.229E+00
1.140E+04	2.844E-04	2.773E+03	1.744E+02	1.975E+01	7.852E+00	9.949E+01	2.821E+01	1.375E+00
1.160E+04	2.681E-04	2.845E+03	1.780E+02	2.097E+01	7.922E+00	3.059E+01	2.088E+01	1.450E+00
1.180E+04	2.539E-04	2.914E+03	1.794E+02	2.224E+01	7.988E+00	2.857E+01	1.931E+01	1.457E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTD	S/R	A/AO	L	CP/R	CV/R	GAMMA
2.100E+04	2.408E-04	2.990E+03	1.809E+02	2.226E+01	8.019E+00	3.418E+01	2.454E+01	1.384E+00
2.200E+04	2.285E-04	3.087E+03	1.827E+02	2.222E+01	8.069E+00	4.531E+01	3.428E+01	1.308E+00
2.300E+04	2.163E-04	3.211E+03	1.851E+02	2.230E+01	8.152E+00	6.118E+01	4.788E+01	1.254E+00
2.400E+04	2.043E-04	3.388E+03	1.880E+02	2.279E+01	8.273E+00	7.676E+01	6.087F+01	1.231E+00
2.500E+04	1.926E-04	3.589E+03	1.914E+02	2.342E+01	8.422E+00	8.448E+01	6.700E+01	1.224E+00
2.600E+04	1.819E-04	3.796E+03	1.946E+02	2.426E+01	8.574E+00	9.096E+01	6.372E+01	1.236E+00
2.700E+04	1.725E-04	3.992E+03	1.975E+02	2.500E+01	8.705E+00	9.933E+01	5.416E+01	1.259E+00
2.800E+04	1.645E-04	4.139E+03	1.998E+02	2.605E+01	8.804E+00	5.716E+01	4.334E+01	1.295E+00
2.900E+04	1.576E-04	4.264E+03	2.016E+02	2.706E+01	8.873E+00	4.682E+01	3.454E+01	1.338E+00
3.000E+04	1.516E-04	4.373E+03	2.031E+02	2.802E+01	8.919E+00	3.995E+01	2.868E+01	1.380E+00
3.100E+04	1.461E-04	4.466E+03	2.043E+02	2.881E+01	8.952E+00	3.637E+01	2.567E+01	1.407E+00
3.200E+04	1.412E-04	4.554E+03	2.055E+02	2.933E+01	8.977E+00	3.574E+01	2.522E+01	1.409E+00
3.300E+04	1.365E-04	4.645E+03	2.066E+02	2.956E+01	9.002E+00	3.796E+01	2.727E+01	1.384E+00
3.400E+04	1.321E-04	4.744E+03	2.078E+02	2.961E+01	9.030E+00	4.315E+01	3.190E+01	1.343E+00
3.500E+04	1.278E-04	4.840E+03	2.091E+02	2.961E+01	9.067E+00	5.142E+01	3.910E+01	1.300E+00
3.600E+04	1.236E-04	5.000E+03	2.107E+02	2.970E+01	9.118E+00	6.238E+01	4.871E+01	1.264E+00
3.700E+04	1.193E-04	5.169E+03	2.126E+02	2.992E+01	9.185E+00	7.449E+01	5.925E+01	1.239E+00
3.800E+04	1.151E-04	5.337E+03	2.146E+02	3.028E+01	9.270E+00	8.598E+01	6.874E+01	1.224E+00
3.900E+04	1.110E-04	5.505E+03	2.171E+02	3.076E+01	9.368E+00	9.354E+01	7.493E+01	1.218E+00
4.000E+04	1.070E-04	5.682E+03	2.195E+02	3.133E+01	9.472E+00	9.557E+01	7.641E+01	1.219E+00
4.100E+04	1.033E-04	6.056E+03	2.218E+02	3.198E+01	9.574E+00	9.209E+01	7.326E+01	1.226E+00
4.200E+04	9.989E-05	6.275E+03	2.240E+02	3.269E+01	9.667E+00	8.474E+01	6.688E+01	1.238E+00
4.300E+04	9.677E-05	6.473E+03	2.259E+02	3.346E+01	9.746E+00	7.593E+01	5.922E+01	1.255E+00
4.400E+04	9.394E-05	6.649E+03	2.275E+02	3.421E+01	9.811E+00	6.737E+01	5.197E+01	1.275E+00
4.500E+04	9.136E-05	6.807E+03	2.289E+02	3.495E+01	9.864E+00	6.067E+01	4.623E+01	1.294E+00
4.600E+04	8.898E-05	6.951E+03	2.302E+02	3.556E+01	9.908E+00	5.638E+01	4.260E+01	1.308E+00
4.700E+04	8.676E-05	7.087E+03	2.314E+02	3.611E+01	9.946E+00	5.477E+01	4.130E+01	1.313E+00
4.800E+04	8.465E-05	7.223E+03	2.326E+02	3.646E+01	9.981E+00	5.500E+01	4.238E+01	1.306E+00
4.900E+04	8.262E-05	7.356E+03	2.338E+02	3.696E+01	1.002E+01	5.567E+01	4.578E+01	1.290E+00
5.000E+04	8.065E-05	7.519E+03	2.350E+02	3.684E+01	1.006E+01	6.589E+01	5.120E+01	1.270E+00

P/PO = 5.00E-01

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+32	2.121E-01	7.230E+00	4.022F+01	1.585E+00	1.912E+00	1.842F+01	1.432F+00	1.237F+00
6.000E+32	1.730E-01	1.009E+01	4.238E+01	1.852E+00	1.988E+00	8.439F+00	6.199E+00	1.371F+00
7.000E+32	1.450E-01	1.200E+01	4.358E+01	2.026E+00	1.997E+00	7.382E+00	5.337E+00	1.381F+00
8.000E+32	1.268E-01	1.390E+01	4.455E+01	2.167E+00	1.999E+00	7.278F+00	5.266E+00	1.382F+00
9.000E+32	1.127E-01	1.561E+01	4.541E+01	2.295E+00	2.000E+00	7.322F+00	5.318E+00	1.377F+00
1.000E+33	1.013E-01	1.742E+01	4.614E+01	2.414E+00	2.000E+00	7.402E+00	5.400E+00	1.371E+00
1.100E+33	9.217E-02	1.926E+01	4.690E+01	2.526E+00	2.000E+00	7.494E+00	5.493E+00	1.366E+00
1.200E+33	8.494E-02	2.113E+01	4.756E+01	2.632E+00	2.000E+00	7.591F+00	4.550E+00	1.358E+00
1.300E+33	7.799E-02	2.301E+01	4.817E+01	2.733E+00	2.000E+00	7.689E+00	5.689E+00	1.342F+00
1.400E+33	7.242E-02	2.493E+01	4.875E+01	2.830E+00	2.000E+00	7.787E+00	5.778E+00	1.344E+00
1.500E+33	6.759E-02	2.686E+01	4.929E+01	2.923E+00	2.000E+00	7.889E+00	5.889E+00	1.340E+00
1.600E+33	6.337E-02	2.883E+01	4.990E+01	3.012E+00	2.000E+00	8.000E+00	5.999E+00	1.334E+00
1.700E+33	5.963E-02	3.083E+01	5.030E+01	3.097E+00	2.000E+00	8.136E+00	6.132E+00	1.327E+00
1.800E+33	5.631E-02	3.286E+01	5.077E+01	3.177E+00	2.000E+00	8.324E+00	6.311F+00	1.319E+00
1.900E+33	5.334E-02	3.495E+01	5.123E+01	3.252E+00	2.000E+00	8.597E+00	6.568E+00	1.309E+00
2.000E+33	5.064E-02	3.713E+01	5.161E+01	3.320E+00	2.000E+00	9.007E+00	6.951E+00	1.294E+00
2.100E+33	4.819E-02	3.943E+01	5.214E+01	3.382E+00	2.000E+00	9.612F+00	7.519E+00	1.278E+00
2.200E+33	4.593E-02	4.192E+01	5.261E+01	3.437E+00	2.007F+00	1.052F+01	8.344E+00	1.259E+00
2.300E+33	4.382E-02	4.466E+01	5.313E+01	3.489E+00	2.012E+00	1.181F+01	9.510E+00	1.238E+00
2.400E+33	4.184E-02	4.781E+01	5.364E+01	3.541E+00	2.019F+00	1.354F+01	1.110E+01	1.217F+00
2.500E+33	3.994E-02	5.145E+01	5.425E+01	3.596E+00	2.031E+00	1.595E+01	1.322E+01	1.198F+00
2.600E+33	3.811E-02	5.597E+01	5.476E+01	1.657F+00	2.047F+00	1.904F+01	1.593F+01	1.182F+00
2.700E+33	3.633E-02	6.094E+01	5.573E+01	3.726E+00	2.069E+00	2.295F+01	1.930E+01	1.169F+00
2.800E+33	3.450E-02	6.717E+01	5.664E+01	3.807F+00	2.099F+00	2.774F+01	2.317F+01	1.150F+00
2.900E+33	3.270F+02	7.472E+01	5.772E+01	3.899E+00	2.138F+00	3.346F+01	2.812F+01	1.133E+00
3.000E+33	3.088E+02	8.378E+01	5.897E+01	4.055F+01	2.189E+00	4.004E+01	3.455E+01	1.149F+00
3.100E+33	2.905E+02	9.455E+01	6.040E+01	4.126E+00	2.251F+00	4.734E+01	3.917E+01	1.147E+00
3.200E+33	2.723E+02	1.072F+02	6.202E+01	4.261F+00	2.327E+00	5.498E+01	4.498E+01	1.147F+00
3.300E+33	2.542E+02	1.217E+02	6.383E+01	4.412E+00	2.417E+00	6.241E+01	5.042E+01	1.148F+00
3.400E+33	2.366E+02	1.379E+02	6.579E+01	4.577E+00	2.519E+00	6.882E+01	5.465F+01	1.151F+00
3.500E+33	2.203E+02	1.554E+02	6.787E+01	4.753F+00	2.630E+00	7.374F+01	5.775E+01	1.154E+00
3.600E+33	2.050E+02	1.738E+02	6.996E+01	4.936F+00	2.747E+00	7.511F+01	5.891E+01	1.159E+00
3.700E+33	1.913E+02	1.922E+02	7.200E+01	5.124E+00	2.864E+00	7.771F+01	5.756E+01	1.165E+00
3.800E+33	1.793E+02	2.096E+02	7.392E+01	5.310E+00	2.975E+00	6.930E+01	5.406E+01	1.173E+00
3.900E+33	1.693E+02	2.262E+02	7.463E+01	5.491E+00	3.076E+00	6.268E+01	4.892E+01	1.182F+00
4.000E+33	1.602E+02	2.436E+02	7.512E+01	5.666E+00	3.164E+00	5.494E+01	4.292F+01	1.193E+00
4.100E+33	1.526E+02	2.532E+02	7.638E+01	5.834E+00	3.237E+00	4.716E+01	3.684E+01	1.204F+00
4.200E+33	1.465E+02	2.639E+02	7.743E+01	5.995E+00	3.297E+00	4.011E+01	3.127E+01	1.211F+00
4.300E+33	1.410E+02	2.731E+02	8.030E+01	6.150E+00	3.344E+00	3.421E+01	2.656E+01	1.217F+00
4.400E+33	1.363E+02	2.809E+02	8.103E+01	6.297E+00	3.381E+00	2.956E+01	2.282E+01	1.214F+00
4.500E+33	1.321E+02	2.877E+02	8.165E+01	6.433F+00	3.411E+00	2.61CE+01	2.046E+01	1.214F+00
4.600E+33	1.283E+02	2.938E+02	8.220E+01	6.557E+00	3.435E+00	2.369E+01	1.811E+01	1.208F+00
4.700E+33	1.249E+02	2.995E+02	8.269E+01	6.685E+00	3.455E+00	2.141E+01	1.692E+01	1.207F+00
4.800E+33	1.217E+02	3.048E+02	8.315E+01	6.757E+00	3.471E+00	2.140F+01	1.634E+01	1.208F+00

TABLE I.- Continued

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
4.900E+03	1.187E-02	3.101E+02	6.358E+01	6.833E+00	3.486E+00	2.123E+01	1.629E+01	1.286E+00
5.000E+03	1.154E-02	3.153E+02	6.401E+01	6.896E+00	3.500E+00	2.159E+01	1.667E+01	1.279E+00
5.200E+03	1.106E-02	3.264E+02	6.489E+01	7.001E+00	3.527E+00	2.355E+01	1.851E+01	1.257E+00
5.400E+03	1.056E-02	3.387E+02	6.584E+01	7.101E+00	3.556E+00	2.678E+01	2.141E+01	1.225E+00
5.600E+03	1.009E-02	3.529E+02	6.689E+01	7.212E+00	3.590E+00	3.083E+01	2.496E+01	1.217E+00
5.800E+03	9.631E-03	3.692E+02	6.806E+01	7.342E+00	3.630E+00	3.511E+01	2.864E+01	1.204E+00
6.000E+03	9.193E-03	3.875E+02	6.930E+01	7.493E+00	3.676E+00	3.886E+01	3.179E+01	1.197E+00
6.200E+03	8.774E-03	4.073E+02	7.062E+01	7.663E+00	3.727E+00	4.119E+01	3.368E+01	1.195E+00
6.400E+03	8.382E-03	4.277E+02	7.193E+01	7.853E+00	3.780E+00	4.137E+01	3.369E+01	1.199E+00
6.600E+03	8.021E-03	4.477E+02	7.318E+01	8.058E+00	3.831E+00	3.919E+01	3.170E+01	1.208E+00
6.800E+03	7.695E-03	4.661E+02	9.429E+01	8.280E+00	3.875E+00	3.917E+01	2.816E+01	1.224E+00
7.000E+03	7.405E-03	4.822E+02	9.524E+01	8.517E+00	3.912E+00	3.036E+01	2.396E+01	1.246E+00
7.200E+03	7.148E-03	4.961E+02	9.603E+01	8.765E+00	3.940E+00	2.584E+01	2.001E+01	1.274E+00
7.400E+03	6.917E-03	5.079E+02	9.669E+01	9.016E+00	3.961E+00	2.222E+01	1.686E+01	1.305E+00
7.600E+03	6.709E-03	5.182E+02	9.725E+01	9.253E+00	3.977E+00	1.970E+01	1.467E+01	1.333E+00
7.800E+03	6.517E-03	5.275E+02	9.774E+01	9.460E+00	3.989E+00	1.817E+01	1.335E+01	1.353E+00
8.000E+03	6.339E-03	5.362E+02	9.818E+01	9.628E+00	3.998E+00	1.755E+01	1.273E+01	1.363E+00
8.200E+03	6.171E-03	5.448E+02	9.861E+01	9.757E+00	4.007E+00	1.735E+01	1.267E+01	1.362E+00
8.400E+03	6.012E-03	5.534E+02	9.904E+01	9.855E+00	4.015E+00	1.775E+01	1.3C5E+01	1.245E+00
8.600E+03	5.862E-03	5.624E+02	9.946E+01	9.931E+00	4.023E+00	1.856E+01	1.377E+01	1.341E+00
8.800E+03	5.714E-03	5.718E+02	9.990E+01	9.994E+00	4.033E+00	1.971E+01	1.484E+01	1.394E+00
9.000E+03	5.573E-03	5.819E+02	1.000E+02	1.005E+01	4.043E+00	2.119E+01	1.611E+01	1.307E+00
9.200E+03	5.435E-03	5.927E+02	1.008E+02	1.011E+01	4.055E+00	2.298E+01	1.769E+01	1.290E+00
9.400E+03	5.301E-03	6.046E+02	1.016E+02	1.018E+01	4.069E+00	2.509E+01	1.952E+01	1.273E+00
9.600E+03	5.170E-03	6.175E+02	1.019E+02	1.024E+01	4.085E+00	2.752E+01	2.163E+01	1.249E+00
9.800E+03	5.041E-03	6.318E+02	1.025E+02	1.032E+01	4.105E+00	3.029E+01	2.401E+01	1.245E+00
1.000E+04	4.914E-03	6.475E+02	1.032E+02	1.040E+01	4.127E+00	3.340E+01	2.666E+01	1.271E+00
1.100E+04	4.291E-03	7.540E+02	1.073E+02	1.095E+01	4.296E+00	5.465E+01	4.423E+01	1.195E+00
1.200E+04	3.675E-03	5.259E+02	1.133E+02	1.176E+01	4.598E+00	8.551E+01	6.878E+01	1.179E+00
1.300E+04	3.076E-03	1.180E+03	1.215E+02	1.285E+01	5.071E+01	1.214E+02	9.391E+01	1.177E+00
1.400E+04	2.564E-03	1.516E+03	1.316E+02	1.417E+01	5.762E+01	1.477E+02	1.113E+02	1.184E+00
1.400E+04	2.116E-03	1.885E+03	1.619E+02	1.562E+01	6.397E+01	1.465E+02	1.053E+02	1.198E+00
1.600E+04	1.816E-03	2.216E+03	1.506E+02	1.702E+01	6.979E+01	1.186E+02	8.877E+01	1.221E+00
1.700E+04	1.613E-03	2.465E+03	1.571E+02	1.839E+01	7.393E+01	8.474E+01	6.798E+01	1.247E+00
1.800E+04	1.475E-03	2.638E+03	1.606E+02	1.956E+01	7.664E+01	5.81CE+01	4.277E+01	1.308E+00
1.900E+04	1.370E-03	2.760E+03	1.634E+02	2.076E+01	7.791E+01	4.776E+01	3.011E+01	1.349E+00
2.000E+04	1.294E-03	2.853E+03	1.654E+02	2.185E+01	7.875E+01	3.303E+01	2.336E+01	1.426E+00
2.100E+04	1.214E-03	2.931E+03	1.665E+02	2.269E+01	7.926E+01	3.076E+01	2.057E+01	1.455E+00
2.200E+04	1.157E-03	3.005E+03	1.683E+02	2.318E+01	7.964E+01	3.037E+01	2.086E+01	1.447E+00
2.300E+04	1.102E-03	3.083E+03	1.697E+02	2.377E+01	8.001E+01	3.401E+01	2.415E+01	1.396E+00
2.400E+04	1.052E-03	3.176E+03	1.713E+02	2.436E+01	8.048E+01	4.137E+01	3.056E+01	1.338E+00
2.500E+04	9.995E-04	3.290E+03	1.732E+02	2.360E+01	8.114E+01	5.196E+01	3.949E+01	1.291E+00
2.600E+04	9.433E-04	3.425E+03	1.755E+02	2.393E+01	8.207E+01	6.350E+01	4.921E+01	1.262E+00
2.700E+04	9.023E-04	3.601E+03	1.781E+02	2.444E+01	8.328E+01	7.229E+01	6.670E+01	1.270E+00
2.800E+04	8.664E-04	3.784E+03	1.808E+02	2.508E+01	8.538E+01	8.057E+01	5.835E+01	1.250E+00
2.900E+04	8.152E-04	3.966E+03	1.833E+02	2.582F+01	8.577E+01	7.155E+01	5.516E+01	1.211E+00
3.000E+04	7.714E-04	4.174E+03	1.856E+02	2.664E+01	8.686E+01	6.392E+01	4.867E+01	1.281E+00
3.100E+04	7.455E-04	4.280E+03	1.876E+02	2.751E+01	8.774E+01	5.527E+01	4.135E+01	1.309E+00
3.200E+04	7.168E-04	4.407E+03	1.892E+02	2.847E+01	8.840E+01	4.767E+01	3.455E+01	1.341E+00
3.300E+04	6.912E-04	4.517E+03	1.906E+02	2.925E+01	8.909E+01	4.206E+01	3.029E+01	1.372E+00
3.400E+04	6.631E-04	4.616E+03	1.918E+02	2.998E+01	8.927E+01	3.876E+01	2.755E+01	1.393E+00
3.500E+04	6.409E-04	4.710E+03	1.929E+02	3.053E+01	8.957E+01	3.767E+01	2.672E+01	1.398E+00
3.600E+04	6.246E-04	4.804E+03	1.940E+02	3.087E+01	8.984E+01	3.873E+01	2.773E+01	1.368E+00
3.700E+04	6.104E-04	4.903E+03	1.951E+02	3.104E+01	9.014E+01	4.193E+01	3.000E+01	1.355E+00
3.800E+04	5.971E-04	5.012E+03	1.963E+02	3.114E+01	9.047E+01	4.724E+01	3.525E+01	1.327E+00
3.900E+04	5.720E-04	5.137E+03	1.976E+02	3.126E+01	9.090E+01	5.464E+01	4.146E+01	1.297E+00
4.000E+04	5.454E-04	5.282E+03	1.991E+02	3.144E+01	9.142E+01	6.290E+01	4.888E+01	1.272E+00
4.100E+04	5.192E-04	5.446E+03	2.007E+02	3.173E+01	9.207E+01	7.156E+01	5.596E+01	1.254E+00
4.200E+04	4.920E-04	5.634E+03	2.025E+02	3.211E+01	9.283E+01	7.993E+01	6.213E+01	1.244E+00
4.300E+04	4.634E-04	5.835E+03	2.046E+02	3.257E+01	9.367E+01	8.398E+01	6.810E+01	1.239E+00
4.400E+04	4.387E-04	6.045E+03	2.066E+02	3.311E+01	9.455E+01	8.582E+01	6.728E+01	1.240E+00
4.500E+04	4.172E-04	6.255E+03	2.084E+02	3.371E+01	9.542E+01	8.395E+01	6.571E+01	1.245E+00
4.600E+04	4.011E-04	6.457E+03	2.101E+02	3.435E+01	9.624E+01	7.975E+01	6.706E+01	1.254E+00
4.700E+04	3.849E-04	6.647E+03	2.114E+02	3.502E+01	9.697E+01	7.415E+01	5.727E+01	1.266E+00
4.800E+04	3.632E-04	6.822E+03	2.133E+02	3.571E+01	9.761E+01	6.852E+01	5.232E+01	1.280E+00
4.900E+04	3.421E-04	6.984E+03	2.146E+02	3.638E+01	9.817E+01	6.319E+01	4.799E+01	1.294E+00
5.000E+04	3.111E-04	7.135E+03	2.159E+02	3.700E+01	9.884E+01	5.938E+01	4.478E+01	1.306E+00

P/P0 = 1.00E+00

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	4.440E-01	6.174E+00	3.908E+01	1.542E+00	1.844E+00	2.500E+01	1.933E+01	1.213E+00
6.000E+02	3.421E-01	9.906E+00	4.088E+01	1.829E+00	1.976E+00	9.467E+00	7.212E+00	1.328E+00
7.000E+02	2.909E-01	1.194E+01	4.208E+01	2.020E+00	1.995E+00	7.61CE+00	5.320E+00	1.375E+00
8.000E+02	2.537E-01	1.379E+01	4.318E+01	2.166E+00	1.998E+00	7.335E+00	5.311E+00	1.380E+00
9.000E+02	2.254E-01	1.560E+01	4.402E+01	2.294E+00	1.999E+00	7.340E+00	5.332E+00	1.376E+00
1.000E+03	2.028E-01	1.742E+01	4.490E+01	2.414E+00	2.000E+00	7.409E+00	5.405E+00	1.370E+00
1.100E+03	1.864E-01	1.926E+01	4.551E+01	2.526E+00	2.000E+00	7.497E+00	5.495E+00	1.364E+00
1.200E+03	1.656E-01	2.112E+01	4.617E+01	2.632E+00	2.000E+00	7.592E+00	5.592E+00	1.358E+00

TABLE I. - Continued

T	R-U/R-10-O	H/R TO	S/H	A/AO	L	CP/R	CV/R	GAMMA	
1.300E+03	1.560E-01	2.301E+01	4.678E+01	2.733E+00	2.000E+00	7.690E+00	5.689E+00	1.352E+00	
1.400E+03	1.448E-01	2.453E+01	4.736E+01	2.830E+00	2.000E+00	7.787E+00	5.787E+00	1.346E+00	
1.500E+03	1.352E-01	2.686E+01	4.790E+01	2.923E+00	2.000E+00	7.886E+00	5.885E+00	1.340E+00	
1.600E+03	1.267E-01	2.883E+01	4.842E+01	3.013E+00	2.000E+00	7.990E+00	5.989E+00	1.334E+00	
1.700E+03	1.193E-01	3.082E+01	4.891E+01	3.058E+00	2.000E+00	8.111E+00	6.107E+00	1.328E+00	
1.800E+03	1.126E-01	3.284E+01	4.938E+01	3.180E+00	2.000E+00	8.266E+00	6.256E+00	1.321E+00	
1.900E+03	1.067E-01	3.492E+01	4.983E+01	3.257E+00	2.001E+00	8.405E+00	6.459E+00	1.313E+00	
2.000E+03	1.013E-01	3.705E+01	5.026E+01	3.328E+00	2.001E+00	8.789E+00	6.750E+00	1.302E+00	
2.100E+03	9.663E-02	3.928E+01	5.072E+01	3.393E+00	2.003E+00	9.243E+00	7.170E+00	1.288E+00	
2.200E+03	9.195E-02	4.165E+01	5.117E+01	3.453E+00	2.005E+00	9.897E+00	7.772E+00	1.272E+00	
2.300E+03	8.780E-02	4.421E+01	5.163E+01	3.509E+00	2.008E+00	1.082E+01	8.614E+00	1.254E+00	
2.400E+03	8.391E-02	4.704E+01	5.212E+01	3.562E+00	2.014E+00	1.209E+01	9.761E+00	1.235E+00	
2.500E+03	8.024E-02	5.024E+01	5.265E+01	3.615E+00	2.022E+00	1.379E+01	1.128E+01	1.216E+00	
2.600E+03	7.672E-02	5.351E+01	5.323E+01	3.671E+00	2.033E+00	1.600E+01	1.323E+01	1.200E+00	
2.700E+03	7.331E-02	5.620E+01	5.389E+01	3.733E+00	2.049E+00	1.866E+01	1.597E+01	1.195E+00	
2.800E+03	6.996E-02	6.327E+01	5.466E+01	3.803E+00	2.070E+00	2.225E+01	1.864E+01	1.174E+00	
2.900E+03	6.685E-02	6.927E+01	5.549E+01	3.883E+00	2.098E+00	2.641E+01	2.215E+01	1.165E+00	
3.000E+03	6.333E-02	7.633E+01	5.647E+01	3.972E+00	2.134E+00	3.129E+01	2.618E+01	1.159E+00	
3.100E+03	6.001E-02	8.478E+01	5.759E+01	4.074E+00	2.180E+00	3.686E+01	3.065E+01	1.155E+00	
3.200E+03	5.669E-02	9.462E+01	5.885E+01	4.188E+00	2.236E+00	4.294E+01	3.564E+01	1.153E+00	
3.300E+03	5.337E-02	1.040E+02	6.027E+01	4.315E+00	2.303E+00	4.936E+01	4.032E+01	1.153E+00	
3.400E+03	5.010E-02	1.150E+02	6.184E+01	4.456E+00	2.381E+00	5.574E+01	4.501E+01	1.154E+00	
3.500E+03	4.691E-02	1.335E+02	6.355E+01	4.609E+00	2.470E+00	6.154E+01	4.912E+01	1.156E+00	
3.600E+03	4.386E-02	1.492E+02	6.535E+01	4.772E+00	2.568E+00	6.817E+01	5.225E+01	1.159E+00	
3.700E+03	4.101E-02	1.659E+02	6.712E+01	4.945E+00	2.673E+00	6.898E+01	5.000E+01	1.163E+00	
3.800E+03	3.838E-02	1.830E+02	6.906E+01	5.123E+00	2.780E+00	6.951E+01	5.408E+01	1.168E+00	
3.900E+03	3.603E-02	2.000E+02	7.094E+01	5.302E+00	2.886E+00	6.762E+01	5.242F+01	1.175E+00	
4.000E+03	3.395E-02	2.182E+02	7.251E+01	5.480E+00	2.987E+00	6.356E+01	4.921E-01	1.193E+00	
4.100E+03	3.214E-02	2.312E+02	7.401E+01	5.653E+00	3.078E+00	5.796E+01	4.486E+01	1.192E+00	
4.200E+03	3.058E-02	2.466E+02	7.533E+01	5.821E+00	3.158E+00	5.159E+01	3.997E+01	1.202E+00	
4.300E+03	2.924E-02	2.566E+02	7.646E+01	5.983E+00	3.226E+00	4.519E+01	3.501E+01	1.214E+00	
4.400E+03	2.808E-02	2.669E+02	7.743E+01	6.138E+00	3.283E+00	3.932E+01	3.361E+01	1.227E+00	
4.500E+03	2.707E-02	2.786E+02	7.826E+01	6.286E+00	3.329E+00	3.428E+01	2.645E+01	1.241E+00	
4.600E+03	2.619E-02	2.839E+02	7.856E+01	6.426E+00	3.367E+00	3.021E+01	2.323E+01	1.254E+00	
4.700E+03	2.545E-02	2.909E+02	7.958E+01	6.557E+00	3.395E+00	2.710E+01	2.275E+01	1.267E+00	
4.800E+03	2.468E-02	2.978E+02	8.052E+01	6.676E+00	3.423E+00	2.485E+01	1.899E+01	1.276E+00	
4.900E+03	2.403E-02	3.042E+02	8.062E+01	6.782E+00	3.444E+00	2.337E+01	1.784E+01	1.282E+00	
5.000E+03	2.342E-02	3.089E+02	8.108E+01	6.873E+00	3.463E+00	2.254E+01	1.724E+01	1.284E+00	
5.200E+03	2.232E-02	3.199E+02	8.196E+01	7.020E+00	3.494E+00	2.248E+01	1.735E+01	1.276E+00	
5.400E+03	2.132E-02	3.313E+02	8.283E+01	7.135E+00	3.523E+00	2.403E+01	1.883E+01	1.259E+00	
5.600E+03	2.038E-02	3.438E+02	8.375E+01	7.246E+00	3.554E+00	2.673E+01	2.125E+01	1.240E+00	
5.800E+03	1.949E-02	3.578E+02	8.474E+01	7.357E+00	3.588E+00	3.015E+01	2.424E+01	1.224E+00	
6.000E+03	1.864E-02	3.733E+02	8.583E+01	7.487E+00	3.626E+00	3.378E+01	2.736E+01	1.212E+00	
6.200E+03	1.782E-02	3.910E+02	8.699E+01	7.635E+00	3.670E+00	3.701E+01	3.070E+01	1.205E+00	
6.400E+03	1.704E-02	4.059E+02	8.820E+01	7.801E+00	3.718E+00	3.917E+01	3.181E+01	1.203E+00	
6.600E+03	1.631E-02	4.294E+02	8.942E+01	7.938E+00	3.866E+00	3.965E+01	3.210E+01	1.206E+00	
6.800E+03	1.563E-02	4.487E+02	9.059E+01	8.180E+00	3.816E+00	3.822E+01	3.077E+01	1.213F+00	
7.000E+03	1.501E-02	5.668E+02	9.165E+01	8.316E+00	3.860E+00	3.515E+01	2.806E+01	1.224E+00	
7.200E+03	1.445E-02	6.832E+02	9.259E+01	8.615E+00	3.897E+00	3.114E+01	2.457E+01	1.245E+00	
7.400E+03	1.396E-02	7.975E+02	9.339E+01	8.850E+00	3.927E+00	2.706E+01	2.101E+01	1.269E+00	
7.600E+03	1.351E-02	8.099E+02	9.406E+01	9.090E+00	3.954E+00	2.352E+01	1.795E+01	1.295E+00	
7.800E+03	1.310E-02	9.208E+02	9.463E+01	9.323E+00	3.986E+00	2.083E+01	1.562E+01	1.321E+00	
8.000E+03	1.273E-02	9.306E+02	9.513E+01	9.537E+00	3.981E+00	1.901E+01	1.405E+01	1.336E+00	
8.200E+03	1.239E-02	9.357E+02	9.559E+01	9.719E+00	3.992E+00	1.796E+01	1.315E+01	1.337E+00	
8.400E+03	1.207E-02	9.584E+02	9.680E+01	9.868E+00	4.001E+00	1.754E+01	1.280E+01	1.363E+00	
8.600E+03	1.178E-02	9.716E+02	9.843E+01	9.985E+00	4.011E+00	1.760E+01	1.288E+01	1.360F+00	
8.800E+03	1.147E-02	9.856E+02	9.984E+01	1.008E+01	4.018E+00	1.807E+01	1.331E+01	1.351E+00	
9.000E+03	1.115E-02	1.005E+02	9.725E+01	1.015E+01	4.027E+00	1.887E+01	1.403E+01	1.338E+00	
9.200E+03	1.092E-02	1.049E+02	9.768E+01	1.022E+01	4.036E+00	1.997E+01	1.500E+01	1.323E+00	
9.400E+03	1.066E-02	1.094E+02	9.812E+01	1.028E+01	4.047E+00	2.135E+01	1.621E+01	1.308E+00	
9.600E+03	1.041E-02	1.054E+02	9.859E+01	1.035E+01	4.059E+00	2.299E+01	1.764E+01	1.293E+00	
9.800E+03	1.018E-02	1.174E+02	9.908E+01	1.041E+01	4.073E+00	2.489E+01	1.929E+01	1.278E+00	
1.000E+04	9.919E-03	6.302E+02	9.961E+01	1.048E+01	4.089E+00	2.705E+01	2.115E+01	1.267E+00	
1.100E+04	8.759E-03	7.160E+02	1.024E+02	1.054E+01	4.209E+00	4.214E+01	3.381E+01	1.216E+00	
1.200E+04	7.638E-03	8.443E+02	1.074E+02	1.106E+01	4.426E+00	6.482E+01	5.187E+01	1.193E+00	
1.300E+04	6.536E-03	1.039E+03	1.137E+02	1.250E+01	4.773E+00	9.383E+01	7.347E+01	1.185E+00	
1.400E+04	5.502E-03	1.207E+03	1.218E+02	1.304E+01	5.265E+00	1.224E+02	9.344E+01	1.187E+00	
1.500E+04	4.609E-03	1.332E+03	1.271E+02	1.305E+02	4.955E+01	5.867E+00	1.392E+02	1.037E+02	1.195E+00
1.600E+04	3.910E-03	1.416E+03	1.398E+02	1.433E+02	4.682E+01	1.327E+02	9.817E+01	1.210E+00	
1.700E+04	3.408E-03	2.073E+03	1.472E+02	1.767E+01	7.001E+00	1.079E+02	8.301E+01	1.234E+00	
1.800E+04	3.056E-03	2.304E+03	1.526E+02	1.881E+01	7.372E+00	7.956E+01	5.886E+01	1.268E+00	
1.900E+04	2.804E-03	2.671E+03	1.582E+02	2.010E+01	7.611E+00	5.750E+01	4.190E+01	1.315E+00	
2.000E+04	2.616E-03	2.794E+03	1.588E+02	2.124E+01	7.757E+00	4.333E+01	3.077E+01	1.368E+00	
2.100E+04	2.461E-03	2.850E+03	1.606E+02	2.228E+01	7.846E+00	3.531E+01	2.444E+01	1.417E+00	
2.200E+04	2.332E-03	2.971E+03	1.622E+02	2.310E+01	7.904E+00	3.165E+01	2.162E+01	1.444E+00	
2.300E+04	2.219E-03	3.046E+03	1.636E+02	2.362E+01	7.947E+00	3.140E+01	2.162E+01	1.436E+00	
2.400E+04	2.109E-03	3.125E+03	1.650E+02	2.387E+01	7.988E+00	3.431E+01	2.428E+01	1.398E+00	
2.500E+04	2.018E-03	3.220E+03	1.665E+02	2.400E+01	8.035E+00	4.038E+01	2.956E+01	1.369E+00	
2.600E+04	1.926E-03	3.359E+03	1.682E+02	2.418E+01	8.098E+00	4.914E+01	3.701E+01	1.306E+00	
2.700E+04	1.834E-03	3.663E+03	1.703E+02	2.449E+01	8.122E+00	5.898E+01	4.519E+01	1.277E+00	
2.800E+04	1.749E-03	3.620E+03	1.724E+02	2.455E+01	8.143E+00	5.720E+01	5.104E+01	1.262E+00	
2.900E+04	1.664E-03	3.791E+03	1.730E+02	2.554E+01	8.433E+00	7.121E+01	5.690E+01	1.260E+00	
3.000E+04	1.586E-03	3.967E+03	1.774E+02	2.623E+01	8.522E+00	7.006E+01	5.371E+01	1.267E+00	
3.100E+04	1.516E-03	4.134E+03	1.798E+02	2.700E+01	8.675E+00	6.405E+01	4.925E+01	1.282E+00	
3.200E+04	1.453E-03	4.289E+03	1.816E+02	2.781E+01					

TABLE I. - Continued

T	RHO/RH-J-U	H/RT0	S/R	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	1.302E-03	4.642E+03	1.859E+02	3.024E+01	8.896E+00	4.097E+01	2.930E+01	1.381E+00
3.600E+04	1.261E-03	4.740E+03	1.870E+02	3.004E+01	8.931E+00	3.889E+01	2.762E+01	1.394E+00
3.700E+04	1.223E-03	4.835E+03	1.881E+02	3.132E+01	8.961E+00	3.866E+01	2.754E+01	1.392E+00
3.800E+04	1.187E-03	4.932E+03	1.892E+02	3.161E+01	8.99CE+00	4.033E+01	2.906E+01	1.376E+00
3.900E+04	1.153E-03	5.035E+03	1.902E+02	3.178E+01	9.021E+00	4.381E+01	3.212E+01	1.350E+00
4.100E+04	1.119E-03	5.145E+03	1.914E+02	3.191E+01	9.057E+00	4.899E+01	3.662E+01	1.322E+00
4.100E+04	1.087E-03	5.270E+03	1.927E+02	3.207E+01	9.101E+00	5.957E+01	4.226E+01	1.297E+00
4.200E+04	1.055E-03	5.424E+03	1.941E+02	3.230E+01	9.155E+00	6.294E+01	4.649E+01	1.274E+00
4.310E+04	1.023E-03	5.588E+03	1.957E+02	3.260E+01	9.210E+00	7.020E+01	5.493E+01	1.262E+00
4.400E+04	9.921E-04	5.769E+03	1.974E+02	3.299E+01	9.290E+00	7.628E+01	5.950E+01	1.253E+00
4.500E+04	9.619E-04	5.963E+03	1.991E+02	3.348E+01	9.369E+00	8.026E+01	6.265E+01	1.249E+00
4.600E+04	9.329E-04	6.163E+03	2.009E+02	3.398E+01	9.451E+00	8.162E+01	6.361E+01	1.250E+00
4.700E+04	9.053E-04	6.363E+03	2.027E+02	3.458E+01	9.531E+00	8.039E+01	6.243E+01	1.254E+00
4.800E+04	8.794E-04	6.556E+03	2.043E+02	3.518E+01	9.608E+00	7.714E+01	5.960E+01	1.262E+00
4.900E+04	8.552E-04	6.747E+03	2.059E+02	3.582E+01	9.670E+00	7.266E+01	5.580E+01	1.273E+00
5.000E+04	8.327E-04	6.916E+03	2.073E+02	3.647E+01	9.741E+00	6.791E+01	5.176E+01	1.289E+00

P/PD = 2.00E+00

T	RHO/RH-U-0	H/RT0	S/R	A/AU	Z	CP/P	CV/P	GAMMA
5.000E+32	9.336E-01	4.654E+30	3.560E+01	1.490E+00	1.763E+00	3.148E+01	2.397E+01	1.199E+00
6.000E+32	6.921E-01	9.551E+00	3.924E+01	1.757E+00	1.953E+00	1.192E+01	9.998E+00	1.704E+00
7.000E+32	5.624E-01	1.178E+01	4.074E+01	2.099E+00	1.989E+00	8.054E+00	5.875E+00	1.364E+00
8.000E+32	5.178E-01	1.376E+01	4.176E+01	2.162E+00	1.997E+00	7.447E+00	5.339E+00	1.377E+00
9.000E+32	4.794E-01	1.559E+01	4.263E+01	2.293E+00	1.999E+00	7.376E+00	5.359E+00	1.379E+00
1.000E+33	4.057E-01	1.742E+01	4.341E+01	2.413E+00	1.999E+00	7.423E+00	5.614E+00	1.377E+00
1.100E+33	3.464E-01	1.926E+01	4.413E+01	2.525E+00	2.000E+00	7.503E+00	5.900E+00	1.364E+00
1.200E+33	3.390E-01	2.112E+01	4.470E+01	2.632E+00	2.000E+00	7.596E+00	5.594E+00	1.358E+00
1.300E+33	3.120E-01	2.301E+01	4.540E+01	2.733E+00	2.000E+00	7.691E+00	5.690E+00	1.357E+00
1.400E+33	2.697E-01	2.493E+01	4.597E+01	2.830E+00	2.000E+00	7.787E+00	5.786E+00	1.364E+00
1.500E+33	2.704E-01	2.686E+01	4.652E+01	2.923E+00	2.000E+00	7.883E+00	5.883E+00	1.360E+00
1.600E+33	2.535E-01	2.882E+01	4.705E+01	3.013E+00	2.000E+00	7.983E+00	5.981E+00	1.335E+00
1.700E+33	2.746E-01	3.001E+01	4.752E+01	3.099E+00	2.000E+00	8.093E+00	6.089E+00	1.329E+00
1.800E+33	2.452E-01	3.243E+01	4.799E+01	3.182E+00	2.000E+00	8.224E+00	6.218E+00	1.323E+00
1.900E+33	2.134E-01	3.449E+01	4.864E+01	3.260E+00	2.000E+00	8.397E+00	6.387E+00	1.315E+00
2.000E+33	2.027E-01	3.700E+01	4.888E+01	3.334E+00	2.001E+00	8.638E+00	6.608E+00	1.307E+00
2.100E+33	1.944E-01	3.514E+01	4.931E+01	3.403E+00	2.002E+00	8.975E+00	6.924E+00	1.296E+00
2.200E+33	1.843E-01	4.166E+01	4.974E+01	3.466E+00	2.003E+00	9.459E+00	7.367E+00	1.282E+00
2.300E+33	1.738E-01	4.380E+01	5.018E+01	3.525E+00	2.004E+00	1.013E+01	7.979E+00	1.267E+00
2.400E+33	1.648E-01	4.650E+01	5.063E+01	3.581E+00	2.013E+00	1.104E+01	8.607E+00	1.250E+00
2.500E+33	1.610E-01	4.938E+01	5.111E+01	3.635E+00	2.015E+00	1.224E+01	9.859E+00	1.237E+00
2.600E+33	1.545E-01	5.206E+01	5.162E+01	3.689E+00	2.023E+00	1.344E+01	1.130E+01	1.217E+00
2.700E+33	1.476E-01	5.624E+01	5.218E+01	3.747E+00	2.035E+00	1.584E+01	1.304E+01	1.202E+00
2.800E+33	1.413E-01	6.048E+01	5.280E+01	3.810E+00	2.050E+00	1.832E+01	1.521E+01	1.190E+00
2.900E+33	1.351E-01	6.537E+01	5.350E+01	3.879E+00	2.070E+00	2.131E+01	1.777E+01	1.179E+00
3.000E+33	1.309E-01	7.17CE+01	5.429E+01	3.957E+00	2.096E+00	2.406E+01	2.075E+01	1.172E+00
3.100E+33	1.224E-01	7.771E+01	5.517E+01	4.043E+00	2.128E+00	2.896E+01	2.412E+01	1.166E+00
3.200E+33	1.169E-01	8.542E+01	5.616E+01	4.140E+00	2.164E+00	3.357E+01	2.784E+01	1.142E+00
3.300E+33	1.130E-01	9.433E+01	5.727E+01	4.247E+00	2.172E+00	3.843E+01	3.187E+01	1.162E+00
3.400E+33	1.064E-01	1.045E+02	5.851E+01	4.346E+00	2.175E+00	4.307E+01	3.507E+01	1.159E+00
3.500E+33	9.691E-02	1.160E+02	5.986E+01	4.449E+00	2.343E+00	4.937E+01	3.988E+01	1.160E+00
3.600E+33	9.311E-02	1.269E+02	6.133E+01	4.537E+00	2.402E+00	5.449E+01	4.351E+01	1.161E+00
3.700E+33	8.750E-02	1.429E+02	6.288E+01	4.789E+00	2.505E+00	5.894E+01	4.657E+01	1.164E+00
3.800E+33	8.214E-02	1.578E+02	6.450E+01	4.949E+00	2.597E+00	6.228E+01	4.874E+01	1.167E+00
3.900E+33	7.720E-02	1.734E+02	6.615E+01	5.116E+00	2.694E+00	6.411E+01	4.978E+01	1.172E+00
4.000E+33	7.263E-02	1.874E+02	6.778E+01	5.287E+00	2.797E+00	6.417E+01	4.954E+01	1.177E+00
4.100E+33	6.653E-02	2.049E+02	6.936E+01	5.458E+00	2.888E+00	6.262E+01	4.802E+01	1.184E+00
4.200E+33	6.083E-02	2.199E+02	7.091E+01	5.624E+00	2.979E+00	5.908E+01	4.539E+01	1.191E+00
4.300E+33	5.539E-02	2.339E+02	7.215E+01	5.795E+00	3.063E+00	5.454E+01	4.142E+01	1.200E+00
4.400E+33	5.075E-02	2.447E+02	7.334E+01	5.957E+00	3.139E+00	4.947E+01	3.800E+01	1.209E+00
4.500E+33	4.624E-02	2.568E+02	7.429E+01	6.112E+00	3.203E+00	4.425E+01	3.399E+01	1.222E+00
4.600E+33	4.121E-02	2.711E+02	7.508E+01	6.287E+00	3.297E+00	4.011E+01	3.020E+01	1.231E+00
4.700E+33	3.622E-02	2.777E+02	7.611E+01	6.405E+00	3.305E+00	3.500E+01	2.663E+01	1.243E+00
4.800E+33	3.053E-02	2.848E+02	7.680E+01	6.516E+00	3.346E+00	3.117F+01	2.399E+01	1.254E+00
4.900E+33	2.493E-02	2.912E+02	7.742E+01	6.648E+00	3.377E+00	2.646E+01	2.174E+01	1.264E+00
5.000E+33	2.006E-02	2.999E+02	7.797E+01	6.785E+00	3.405E+00	2.433E+01	2.004E+01	1.272E+00
5.100E+33	1.623E-02	3.082E+02	7.846E+01	6.944E+00	3.446E+00	2.304E+01	1.821E+01	1.279E+00
5.200E+33	1.317E-02	3.237E+02	7.903E+01	7.139E+00	3.484E+00	2.207E+01	1.621E+01	1.287E+00
5.300E+33	1.064E-02	3.435E+02	7.958E+01	7.339E+00	3.527E+00	2.109E+01	1.422E+01	1.294E+00
5.400E+33	8.309E+01	3.662E+02	8.017E+01	7.547E+00	3.577E+00	2.011E+01	1.223E+01	1.291E+00
5.500E+33	6.764E+01	3.904E+02	8.108E+01	7.758E+00	3.625E+00	1.912E+01	1.022E+01	1.298E+00
5.600E+33	5.230E+01	4.151E+02	8.205E+01	7.965E+00	3.674E+00	1.813E+01	8.212E+00	1.305E+00
5.700E+33	4.122E+01	4.408E+02	8.307E+01	8.173E+00	3.723E+00	1.714E+01	6.220E+00	1.312E+00
5.800E+33	3.146E+01	4.662E+02	8.409E+01	8.381E+00	3.767E+00	1.615E+01	4.228E+00	1.314E+00
5.900E+33	2.297E+01	4.915E+02	8.511E+01	8.587E+00	3.810E+00	1.516E+01	2.236E+00	1.315E+00
6.000E+33	1.577E+01	5.168E+02	8.613E+01	8.795E+00	3.852E+00	1.417E+01	1.232E+00	1.313E+00
6.100E+33	1.019E+01	5.415E+02	8.715E+01	8.991E+00	3.915E+00	1.318E+01	2.231E+00	1.311E+00
6.200E+33	6.579E+01	5.674E+02	8.817E+01	9.191E+00	3.982E+00	1.219E+01	2.023E+00	1.307E+00
6.300E+33	4.337E+01	6.042E+02	8.919E+01	9.391E+00	4.053E+00	1.117E+01	1.829E+00	1.304E+00
6.400E+33	3.117E+01	6.423E+02	9.021E+01	9.592E+00	4.124E+00	1.018E+01	1.631E+00	1.302E+00
6.500E+33	2.179E+01	6.804E+02	9.123E+01	9.793E+00	4.205E+00	9.199E+00	1.432E+00	1.300E+00
6.600E+33	1.423E+01	7.185E+02	9.225E+01	9.994E+00	4.286E+00	8.197E+00	1.233E+00	1.298E+00
6.700E+33	1.001E+01	7.566E+02	9.327E+01	1.019E+01	4.367E+00	7.195E+00	1.034E+00	1.296E+00
6.800E+33	7.000E+01	7.947E+02	9.429E+01	1.039E+01	4.448E+00	6.193E+00	8.355E+00	1.294E+00
6.900E+33	5.093E+01	8.328E+02	9.531E+01	1.059E+01	4.529E+00	5.191E+00	6.353E+00	1.292E+00
7.000E+33	3.775E+01	8.709E+02	9.633E+01	1.079E+01				

TABLE I. - Continued

T	RHO/RHO-0	H/HTO	S/R	A/AQ	Z	CP/R	CV/R	GAMMA
9.000E+03	2.246E-02	5.691E+02	9.420E+01	1.021E+01	4.012E+00	1.781E+01	1.304E+01	1.358E+00
9.200E+03	2.195E-02	5.780E+02	9.460E+01	1.030E+01	4.020E+00	1.827E+01	1.348E+01	1.350E+00
9.400E+03	2.142E-02	5.871E+02	9.500E+01	1.038E+01	4.029E+00	1.901E+01	1.412E+01	1.339E+00
9.600E+03	2.092E-02	5.960E+02	9.540E+01	1.045E+01	4.038E+00	2.001E+01	1.500E+01	1.326E+00
9.800E+03	2.044E-02	6.049E+02	9.583E+01	1.052E+01	4.049E+00	2.124E+01	1.607E+01	1.312E+00
1.000E+04	1.998E-02	6.177E+02	9.628E+01	1.059E+01	4.061E+00	2.249E+01	1.733E+01	1.298E+00
1.100E+04	1.778E-02	6.656E+02	9.889E+01	1.098E+01	4.147E+00	3.324E+01	2.420E+01	1.262E+00
1.200E+04	1.571E-02	7.864E+02	1.024E+02	1.153E+01	4.302E+00	4.958E+01	3.997E+01	1.211E+00
1.300E+04	1.371E-02	9.346E+02	1.072E+02	1.227E+01	4.552E+00	7.159E+01	5.640E+01	1.190E+00
1.400E+04	1.179E-02	1.142E+03	1.135E+02	1.321E+01	4.919E+00	9.688E+01	7.644E+01	1.199E+00
1.500E+04	1.001E-02	1.410E+03	1.210E+02	1.436E+01	5.402E+00	1.191E+02	8.943E+01	1.197E+00
1.600E+04	8.594E-03	1.719E+03	1.290E+02	1.563E+01	5.958E+00	1.290E+02	9.521E+01	1.206E+00
1.700E+04	7.332E-03	2.032E+03	1.367E+02	1.695E+01	6.508E+00	1.213E+02	8.902E+01	1.221E+00
1.800E+04	5.442E-03	2.307E+03	1.431E+02	1.822E+01	6.973E+00	1.007E+02	7.395E+01	1.244E+00
1.900E+04	3.833E-03	2.926E+03	1.479E+02	1.942E+01	7.318E+00	7.741E+01	9.467E+01	1.276E+00
2.000E+04	2.570E-03	2.692E+03	1.514E+02	2.057E+01	7.552E+00	5.894E+01	4.219E+01	1.317E+00
2.100E+04	1.513E-03	2.819E+03	1.539E+02	2.166E+01	7.705E+00	4.527E+01	3.209E+01	1.364E+00
2.200E+04	6.725E-03	2.920E+03	1.558E+02	2.266E+01	7.804E+00	3.793E+01	2.592E+01	1.407E+00
2.300E+04	4.681E-03	3.000E+03	1.574E+02	2.348E+01	7.870E+00	3.336E+01	2.288E+01	1.433E+00
2.400E+04	4.247E-03	3.087E+03	1.587E+02	2.409E+01	7.926E+00	3.251E+01	2.240E+01	1.431E+00
2.500E+04	4.075E-03	3.149E+03	1.601E+02	2.437E+01	7.945E+00	3.449E+01	2.426E+01	1.403E+00
2.600E+04	3.893E-03	3.259E+03	1.615E+02	2.496E+01	8.013E+00	3.917E+01	2.835E+01	1.347E+00
2.700E+04	3.722E-03	3.346E+03	1.631E+02	2.476E+01	8.072E+00	4.614E+01	3.429E+01	1.323E+00
2.800E+04	3.556E-03	3.488E+03	1.650E+02	2.505E+01	8.147E+00	5.436E+01	4.112E+01	1.294E+00
2.900E+04	3.394E-03	3.632E+03	1.670E+02	2.547E+01	8.246E+00	6.191E+01	4.724E+01	1.277E+00
3.000E+04	3.240E-03	3.791E+03	1.692E+02	2.600E+01	8.349E+00	6.677E+01	5.103E+01	1.271E+00
3.100E+04	3.094E-03	3.956E+03	1.714E+02	2.684E+01	8.456E+00	6.773E+01	5.160E+01	1.273E+00
3.200E+04	2.960E-03	4.122E+03	1.735E+02	2.734E+01	8.542E+00	6.499E+01	4.917E+01	1.284E+00
3.300E+04	2.839E-03	4.276E+03	1.755E+02	2.810E+01	8.657E+00	5.981E+01	4.481E+01	1.300E+00
3.400E+04	2.731E-03	4.416E+03	1.772E+02	2.889E+01	8.736E+00	5.380E+01	3.900E+01	1.321E+00
3.500E+04	2.633E-03	4.542E+03	1.786E+02	2.968E+01	8.801E+00	4.821E+01	3.516E+01	1.345E+00
3.600E+04	2.554E-03	4.655E+03	1.799E+02	3.044E+01	8.852E+00	4.370E+01	3.191E+01	1.368E+00
3.700E+04	2.485E-03	4.759E+03	1.811E+02	3.112E+01	8.894E+00	4.084E+01	2.811E+01	1.389E+00
3.800E+04	2.391E-03	4.858E+03	1.822E+02	3.168E+01	8.928E+00	3.948E+01	2.804E+01	1.391E+00
3.900E+04	2.321E-03	4.955E+03	1.832E+02	3.209E+01	8.960E+00	3.973E+01	2.836E+01	1.388E+00
4.000E+04	2.236E-03	5.059E+03	1.846E+02	3.238E+01	8.990E+00	4.155E+01	3.001E+01	1.377E+00
4.100E+04	2.133E-03	5.161E+03	1.853E+02	3.256E+01	9.023E+00	4.480E+01	3.292E+01	1.348E+00
4.200E+04	2.131E-03	5.277E+03	1.864E+02	3.272E+01	9.060E+00	4.975E+01	3.644E+01	1.324E+00
4.300E+04	2.072E-03	5.404E+03	1.876E+02	3.292E+01	9.104E+00	5.571E+01	4.104E+01	1.302E+00
4.400E+04	2.013E-03	5.550E+03	1.890E+02	3.316E+01	9.156E+00	6.150E+01	4.700E+01	1.284E+00
4.500E+04	1.950E-03	5.710E+03	1.904E+02	3.348E+01	9.214E+00	6.766E+01	5.212E+01	1.271E+00
4.600E+04	1.894E-03	5.883E+03	1.920E+02	3.380E+01	9.264E+00	7.279E+01	5.828E+01	1.263E+00
4.700E+04	1.846E-03	6.066E+03	1.936E+02	3.432E+01	9.347E+00	7.629E+01	4.046E+01	1.240E+00
4.800E+04	1.791E-03	6.250E+03	1.952E+02	3.482E+01	9.432E+00	7.775E+01	6.011E+01	1.260E+00
4.900E+04	1.741E-03	6.446E+03	1.968E+02	3.537E+01	9.508E+00	7.723E+01	5.931E+01	1.263E+00
5.000E+04	1.693E-03	6.637E+03	1.983E+02	3.596E+01	9.580E+00	7.500E+01	5.755E+01	1.270E+00

P/PD = 3.00E+00

T	RHO/RHO-0	H/HTO	S/R	A/AQ	Z	CP/R	CV/R	GAMMA
5.000E+02	1.456E+00	3.573E+00	3.403E+01	1.456E+00	1.672E+00	3.400E+01	2.566E+01	1.194E+00
6.000E+02	1.052E+00	9.219E+00	3.825E+01	1.774E+00	1.932E+00	1.302E+01	1.052E+01	1.278E+00
7.000E+02	6.760E-01	1.179E+01	3.960E+01	1.999E+00	1.984E+00	6.484E+00	6.2177E+00	1.394E+00
8.000E+02	5.762E-01	1.374E+01	4.094E+01	2.159E+00	1.995E+00	7.559E+00	5.686E+00	1.374E+00
9.000E+02	6.766E-01	1.550E+01	4.182E+01	2.297E+00	1.998E+00	7.612E+00	5.387E+00	1.374E+00
1.000E+03	6.086E-01	1.741E+01	4.260E+01	2.413E+00	2.000E+00	7.437E+00	5.426E+00	1.370E+00
1.100E+03	5.532E-01	1.926E+01	4.331E+01	2.523E+00	2.006E+00	7.910E+00	5.102E+00	1.364E+00
1.200E+03	5.079E-01	2.112E+01	4.397E+01	2.632E+00	2.006E+00	7.500E+00	5.198E+00	1.358E+00
1.300E+03	4.660E-01	2.301E+01	4.469E+01	2.733E+00	2.006E+00	7.100E+00	5.691E+00	1.352E+00
1.400E+03	3.365E-01	2.492E+01	4.516E+01	2.830E+00	2.006E+00	6.700E+00	4.787E+00	1.344E+00
1.500E+03	4.056E-01	2.684E+01	4.570E+01	2.923E+00	2.006E+00	7.000E+00	5.007E+00	1.340E+00
1.600E+03	3.602E-01	2.862E+01	4.622E+01	3.013E+00	2.006E+00	7.400E+00	5.007E+00	1.340E+00
1.700E+03	3.578E-01	3.061E+01	4.671E+01	3.106E+00	2.006E+00	7.900E+00	5.479E+00	1.335E+00
1.800E+03	3.379E-01	3.233E+01	4.713E+01	3.182E+00	2.006E+00	8.200E+00	6.048E+00	1.324E+00
1.900E+03	3.201E-01	3.408E+01	4.763E+01	3.262E+00	2.006E+00	8.302E+00	6.349E+00	1.3177E+00
2.000E+03	3.043E-01	3.697E+01	4.804E+01	3.337E+00	2.001E+00	8.307E+00	6.348E+00	1.309E+00
2.100E+03	2.895E-01	3.913E+01	4.849E+01	3.407E+00	2.002E+00	8.305E+00	6.015E+00	1.294E+00
2.200E+03	2.761E-01	4.137E+01	4.891E+01	3.472E+00	2.003E+00	8.299E+00	6.259E+00	1.287E+00
2.300E+03	2.639E-01	4.337E+01	4.934E+01	3.533E+00	2.003E+00	8.216E+00	6.807E+00	1.276E+00
2.400E+03	2.525E-01	4.629E+01	4.976E+01	3.591E+00	2.003E+00	8.107E+00	6.307E+00	1.263E+00
2.500E+03	2.416E-01	4.996E+01	5.023E+01	3.646E+00	2.003E+00	8.013E+00	6.839E+00	1.250E+00
2.600E+03	2.310E-01	5.289E+01	5.071E+01	3.700E+00	2.003E+00	7.919E+00	7.206E+00	1.243E+00
2.700E+03	2.222E-01	5.546E+01	5.123E+01	3.757E+00	2.0281E+00	7.452E+00	7.189E+00	1.232E+00
2.800E+03	2.140E-01	5.824E+01	5.180E+01	3.817E+00	2.041E+00	7.057E+00	7.425E+00	1.221E+00
2.900E+03	2.060E-01	6.104E+01	5.242E+01	3.882E+00	2.057E+00	6.697E+00	7.007E+00	1.210E+00
3.000E+03	1.991E-01	6.376E+01	5.312E+01	3.944E+00	2.078E+00	6.196E+00	6.196E+00	1.204E+00
3.100E+03	1.865E-01	6.646E+01	5.389E+01	4.013E+00	2.105E+00	5.827E+00	5.827E+00	1.198E+00
3.200E+03	1.778E-01	6.916E+01	5.467E+01	4.082E+00	2.130E+00	5.526E+00	5.210E+00	1.197E+00
3.300E+03	1.692E-01	7.092E+01	5.537E+01	4.219E+00	2.178E+00	5.362E+00	5.767E+00	1.188E+00

TABLE I.- Continued

T	RHO/RHU-0	H/HTO	S/R	A/A0	L	CP/R	CV/R	GAMMA
3.400E+33	1.607E-01	9.787E+01	5.680E+01	4.327E+00	2.227E+00	3.015E+01	3.124E+01	1.163E+00
3.500E+33	1.522E-01	1.379E+02	5.798E+01	4.445E+00	2.283E+00	4.299E+01	3.491E+01	1.163E+00
3.600E+33	1.439E-01	1.191E+02	5.926E+01	4.574E+00	2.349E+00	4.702E+01	3.844E+01	1.164E+00
3.700E+33	1.358E-01	1.315E+02	6.064E+01	4.712E+00	2.422E+00	5.237E+01	4.166E+01	1.165E+00
3.800E+33	1.279E-01	1.449E+02	6.204E+01	4.866E+00	2.503E+00	5.833E+01	4.495E+01	1.166E+00
3.900E+33	1.204E-01	1.592E+02	6.359E+01	5.016E+00	2.590E+00	5.934E+01	4.628E+01	1.172E+00
4.000E+33	1.134E-01	1.740E+02	6.512E+01	5.178E+00	2.681E+00	6.108E+01	4.727E+01	1.176E+00
4.100E+33	1.070E-01	1.891E+02	6.663E+01	5.344E+00	2.774E+00	6.335E+01	4.720E+01	1.181E+00
4.200E+33	1.011E-01	2.041E+02	6.815E+01	5.511E+00	2.865E+00	6.009E+01	4.605E+01	1.187E+00
4.300E+33	9.503E-02	2.188E+02	6.968E+01	5.677E+00	2.952E+00	5.745E+01	4.394E+01	1.194E+00
4.400E+33	9.114E-02	2.323E+02	7.076E+01	5.841E+00	3.034E+00	5.374E+01	4.107E+01	1.202E+00
4.500E+33	8.700E-02	2.450E+02	7.192E+01	6.000E+00	3.108E+00	4.938E+01	3.773E+01	1.211E+00
4.600E+33	8.335E-02	2.566E+02	7.295E+01	6.154E+00	3.173E+00	4.476E+01	3.422E+01	1.221E+00
4.700E+33	8.014E-02	2.671E+02	7.387E+01	6.302E+00	3.230E+00	4.032E+01	3.081E+01	1.231E+00
4.800E+33	7.730E+01	2.765E+02	7.447E+01	6.444E+00	3.279E+00	3.624E+01	2.768E+01	1.241E+00
4.900E+33	7.478E+01	2.850E+02	7.533E+01	6.579E+00	3.320E+00	3.275E+01	2.497E+01	1.252E+00
5.000E+33	7.251E+01	2.927E+02	7.601E+01	6.706E+00	3.354E+00	2.988E+01	2.279E+01	1.261E+00
5.200E+33	6.858E+01	3.036E+02	7.717E+01	6.931E+00	3.411E+00	2.595E+01	1.975E+01	1.274E+00
5.400E+33	6.523E+01	3.188E+02	7.804E+01	7.116E+00	3.454E+00	2.419E+01	1.650E+01	1.277E+00
5.600E+33	6.226E+01	3.304E+02	7.891E+01	7.263E+00	3.490E+00	2.414E+01	1.363E+01	1.270E+00
5.800E+33	5.956E+01	3.424E+02	7.977E+01	7.389E+00	3.522E+00	2.534E+01	1.978E+01	1.257E+00
6.000E+33	5.704E+01	3.555E+02	8.067E+01	7.509E+00	3.555E+00	2.761E+01	2.144E+01	1.244E+00
6.200E+33	5.466E+01	3.697E+02	8.167E+01	7.633E+00	3.590E+00	2.999E+01	2.389E+01	1.231E+00
6.400E+33	5.219E+01	3.851E+02	8.262E+01	7.769E+00	3.628E+00	3.267E+01	2.617E+01	1.223E+00
6.600E+33	5.023E+01	4.016E+02	8.364E+01	7.517E+00	3.676E+00	3.501E+01	2.811E+01	1.217E+00
6.800E+33	4.817E+01	4.195E+02	8.471E+01	8.079E+00	3.714E+00	3.656E+01	2.934E+01	1.214E+00
7.000E+33	4.624E+01	4.377E+02	8.578E+01	8.259E+00	3.759E+00	3.794E+01	2.957E+01	1.210E+00
7.200E+33	4.443E+01	4.557E+02	8.681E+01	8.442E+00	3.820E+00	3.994E+01	2.988E+01	1.225E+00
7.400E+33	4.277E+01	4.730E+02	8.777E+01	8.641E+00	3.844E+00	3.386E+01	2.678E+01	1.235E+00
7.600E+33	4.126E+01	4.890E+02	8.863E+01	8.850E+00	3.880E+00	3.088E+01	2.421E+01	1.250E+00
7.800E+33	3.989E+01	9.034E+02	8.939E+01	9.068E+00	3.910E+00	2.765E+01	2.142E+01	1.268E+00
8.000E+33	3.865E+01	9.163E+02	9.066E+01	9.205E+00	3.935E+00	2.461E+01	1.890E+01	1.290E+00
8.200E+33	3.752E+01	9.277E+02	9.096E+01	9.310E+00	3.958E+00	2.207E+01	1.642E+01	1.312E+00
8.400E+33	3.646E+01	9.381E+02	9.114E+01	9.719E+00	3.970E+00	2.015E+01	1.497E+01	1.337E+00
8.600E+33	3.552E+01	9.477E+02	9.161E+01	9.909E+00	3.982E+00	1.886E+01	1.386E+01	1.349E+00
8.800E+33	3.463E+01	9.568E+02	9.202E+01	1.007E+01	3.993E+00	1.809E+01	1.322E+01	1.358E+00
9.000E+33	3.378E+01	9.656E+02	9.252E+01	1.021E+01	4.002E+00	1.778E+01	1.298E+01	1.362E+00
9.200E+33	3.297E+01	9.746E+02	9.281E+01	1.032E+01	4.011F+00	1.785E+01	1.306E+01	1.359E+00
9.400E+33	3.220E+01	9.835E+02	9.320E+01	1.042E+01	4.019E+00	1.824E+01	1.341E+01	1.352E+00
9.600E+33	3.146E+01	9.924E+02	9.359E+01	1.050E+01	4.024E+00	1.884E+01	1.359E+01	1.342E+00
9.800E+33	3.075E+01	1.020E+02	9.399E+01	1.058E+01	4.037E+00	1.977E+01	1.476E+01	1.330E+00
1.000E+34	3.006E+01	1.012E+02	9.446E+01	1.065E+01	4.047E+00	2.087E+01	1.572E+01	1.317E+00
1.100E+34	2.685E+01	6.728E+02	9.674E+01	1.101E+01	4.119E+00	2.931E+01	2.292E+01	1.260E+00
1.200E+34	2.388E+01	7.606E+02	9.983E+01	1.151E+01	4.248E+00	4.272E+01	3.354E+01	1.223E+00
1.300E+34	2.132E+01	8.477E+02	1.039E+02	1.218E+01	4.452F+00	6.114E+01	4.832E+01	1.205E+00
1.400E+34	1.827E+01	1.056E+02	1.093F+02	1.302E+01	4.708E+00	8.333E+01	6.448E+01	1.199E+00
1.500E+34	1.565E+01	1.299E+03	1.158E+02	1.404E+01	5.170F+00	1.047E+02	7.967E+01	1.199E+00
1.600E+34	1.341E+01	1.579E+03	1.231E+02	1.525E+01	5.669E+00	1.203E+02	8.909E+01	1.205E+00
1.700E+34	1.154E+01	1.881E+03	1.305E+02	1.651E+01	6.199E+00	1.211E+02	9.909E+01	1.217E+00
1.800E+34	1.012E+01	2.168E+03	1.372E+02	1.778E+01	6.690E+00	1.091E+02	7.962E+01	1.235E+00
1.900E+34	9.034E+00	2.412E+03	1.424E+02	1.900E+01	7.088E+00	8.899E+01	6.468E+01	1.241E+00
2.000E+34	8.244E+00	2.607E+03	1.466E+02	2.019E+01	7.379E+00	6.805E+01	5.000E+01	1.249E+00
2.100E+34	7.646E+00	2.757E+03	1.496E+02	2.129E+01	7.579E+00	5.351E+01	3.828E+01	1.335E+00
2.200E+34	7.170E+00	2.874E+03	1.518E+02	2.229E+01	7.713E+00	4.797E+01	3.017E+01	1.370E+00
2.300E+34	6.779E+00	2.972E+03	1.533E+02	2.322E+01	7.803E+00	3.665E+01	2.531E+01	1.413E+00
2.400E+34	6.446E+00	3.058E+03	1.551E+02	2.393E+01	7.867E+00	3.769E+01	2.312E+01	1.432E+00
2.500E+34	6.145E+00	3.140E+03	1.564E+02	2.445E+01	7.910E+00	3.392E+01	2.321E+01	1.471E+00
2.600E+34	5.875E+00	3.222E+03	1.578E+02	2.476E+01	7.965E+00	3.594E+01	2.567E+01	1.392E+00
2.700E+34	5.621E+00	3.320E+03	1.592E+02	2.497E+01	8.017E+00	4.074E+01	2.498E+01	1.395E+00
2.800E+34	5.376E+00	3.424E+03	1.608E+02	2.520E+01	8.079E+00	4.760E+01	3.920E+01	1.321E+00
2.900E+34	5.146E+00	3.554E+03	1.624E+02	2.553E+01	8.157E+00	5.478E+01	4.129E+01	1.290E+00
3.000E+34	4.917E+00	3.676E+03	1.646E+02	2.597E+01	8.248E+00	6.120E+01	4.648E+01	1.282E+00
3.100E+34	4.730E+00	3.854E+03	1.667E+02	2.651E+01	8.350E+00	6.517E+01	4.951E+01	1.277E+00
3.200E+34	4.618E+00	4.018E+03	1.687E+02	2.714E+01	8.456E+00	6.572E+01	4.975E+01	1.281E+00
3.300E+34	4.505E+00	4.175E+03	1.707E+02	2.783E+01	8.557E+00	6.715E+01	4.715E+01	1.291E+00
3.400E+34	4.413E+00	4.326E+03	1.726E+02	2.857E+01	8.646E+00	5.854E+01	4.362E+01	1.304E+00
3.500E+34	4.344E+00	4.463E+03	1.742E+02	2.924E+01	8.725E+00	5.719E+01	4.116E+01	1.326E+00
3.600E+34	4.285E+00	4.588E+03	1.756E+02	3.011E+01	8.788E+00	4.816E+01	3.932E+01	1.348E+00
3.700E+34	4.230E+00	4.702E+03	1.769E+02	3.084E+01	8.840E+00	4.610E+01	3.170E+01	1.348E+00
3.800E+34	4.183E+00	4.807E+03	1.780E+02	3.151E+01	8.882E+00	4.032E+01	2.932E+01	1.348E+00
3.900E+34	4.145E+00	4.901E+03	1.791E+02	3.204E+01	8.918E+00	4.001E+01	2.843E+01	1.340E+00
4.000E+34	4.108E+00	5.005E+03	1.801E+02	3.240E+01	8.950E+00	4.711E+01	2.661E+01	1.336E+00
4.100E+34	4.074E+00	5.108E+03	1.811E+02	3.277E+01	8.982E+00	4.167E+01	2.449E+01	1.327E+00
4.200E+34	4.041E+00	5.212E+03	1.821E+02	3.299E+01	9.015E+00	4.452E+01	3.252E+01	1.359E+00
4.300E+34	4.012E+00	5.326E+03	1.832E+02	3.316E+01	9.051E+00	4.864E+01	3.678E+01	1.331E+00
4.400E+34	3.984E+00	5.432E+03	1.844E+02	3.338E+01	9.096E+00	5.372E+01	4.037E+01	1.316E+00
4.500E+34	3.957E+00	5.532E+03	1.856E+02	3.363E+01	9.135E+00	5.936E+01	4.507E+01	1.293E+00
4.600E+34	3.937E+00	5.638E+03	1.867E+02	3.393E+01	9.170E+00	6.492E+01	4.964E+01	1.280E+00
4.700E+34	3.915E+00	5.741E+03	1.879E+02	3.420E+01	9.203E+00	6.981E+01	5.365E+01	1.271E+00
4.800E+34	3.894E+00	5.845E+03	1.891E+02	3.447E+01	9.236E+00	7.443E+01	5.799E+01	1.267E+00
4.900E+34	3.873E+00	5.950E+03	1.903E+02	3.474E+01	9.269E+00	7.843E+01	6.252E+01	1.265E+00
5.000E+34	3.853E+00	6.055E+03	1.915E+02	3.501E+01	9.303E+00	8.234E+01	6.715E+01	1.263E+00
5.100E+34	3.833E+00	6.159E+03	1.927E+02	3.528E+01	9.337E+00	8.626E+01	7.201E+01	1.261E+00
5.200E+34	3.813E+00	6.262E+03	1.939E+02	3.555E+01	9.371E+00	9.018E+01	7.704E+01	1.259E+00
5.300E+34	3.793E+00	6.365E+03	1.951E+02	3.582E+01	9.405E+00			

TABLE I.- Continued

P/PD = 4.00E+00

T	MHD/RMHD-J	M/RTD	S/R	A/AD	Z	CP/R	Cv/R	GAMMA
5.000E+32	2.036E+00	2.753E+00	3.289E+31	1.431E+02	1.610E+02	3.487E+01	2.619E+01	1.191E+00
6.000E+32	1.414E+00	8.908E+00	3.750E+01	1.757E+00	1.912E+00	1.595E+01	1.182E+01	1.266E+00
7.000E+32	1.171E+00	1.171E+01	3.932E+01	1.991E+00	1.976E+00	8.900E+00	6.947E+00	1.346E+00
8.000E+32	1.017E+00	1.371E+01	6.039E+01	2.156E+00	1.993E+00	7.664E+00	5.572E+00	1.372E+00
9.000E+32	9.024E+01	1.557E+01	6.124E+01	2.241E+00	1.997E+00	7.448E+00	5.411E+00	1.370E+00
1.000E+33	8.111E+01	1.761E+01	6.202E+01	2.412E+00	1.999E+00	7.451E+00	5.437E+00	1.370E+00
1.100E+33	7.378E+01	1.925E+01	6.274E+01	2.529E+00	1.999E+00	7.516E+00	5.509E+00	1.364E+00
1.200E+33	6.763E+01	2.112E+01	6.340E+01	2.632E+00	2.000E+00	7.602E+00	5.558E+00	1.359E+00
1.300E+33	6.204E+01	2.301E+01	6.404E+01	2.733E+00	2.000E+00	7.694E+00	5.617E+00	1.372E+00
1.400E+33	5.794E+01	2.492E+01	6.459E+01	2.830E+00	2.000E+00	7.789E+00	5.783E+00	1.344E+00
1.500E+33	5.400E+01	2.683E+01	6.513E+01	2.923E+00	2.000E+00	7.883E+00	5.887E+00	1.340E+00
1.600E+33	5.070E+01	2.882E+01	6.564E+01	3.013E+00	2.000E+00	7.978E+00	5.977E+00	1.339E+00
1.700E+33	4.771E+01	3.081E+01	6.613E+01	3.100E+00	2.000E+00	8.080E+00	6.077E+00	1.329E+00
1.800E+33	4.534E+01	3.282E+01	6.663E+01	3.183E+00	2.000E+00	8.195E+00	6.150E+00	1.324E+00
1.900E+33	4.265E+01	3.487E+01	6.705E+01	3.263E+00	2.000E+00	8.339E+00	6.320E+00	1.311E+00
2.000E+33	4.054E+01	3.686E+01	6.748E+01	3.330E+00	2.000E+00	8.527E+00	6.520E+00	1.310E+00
2.100E+33	3.860E+01	3.910E+01	6.791E+01	3.400E+00	2.000E+00	8.705E+00	6.745E+00	1.301E+00
2.200E+33	3.682E+01	4.132E+01	6.838E+01	3.474E+00	2.000E+00	8.873E+00	6.965E+00	1.290E+00
2.300E+33	3.519E+01	4.364E+01	6.875E+01	3.539E+00	2.000E+00	9.032E+00	7.124E+00	1.270E+00
2.400E+33	3.398E+01	4.611E+01	6.917E+01	3.597E+00	2.000E+00	1.029E+01	8.131E+00	1.266E+00
2.500E+33	3.227E+01	4.877E+01	6.961E+01	3.653E+00	2.011E+00	1.117E+01	8.491E+00	1.249E+00
2.600E+33	3.034E+01	5.167E+01	6.998E+01	3.700E+00	2.017E+00	1.230E+01	8.932E+00	1.236E+00
2.700E+33	2.864E+01	5.499E+01	5.357E+01	3.746E+00	2.024E+00	1.372E+01	1.120E+01	1.213E+00
2.800E+33	2.667E+01	5.852E+01	5.110E+01	3.823E+00	2.035E+00	1.551E+01	1.277E+01	1.204E+00
2.900E+33	2.729E+01	6.260E+01	5.169E+01	3.886E+00	2.046E+00	1.706E+01	1.464E+01	1.195E+00
3.000E+33	2.615E+01	6.728E+01	5.239E+01	3.959E+00	2.060E+00	2.021E+01	1.677E+01	1.186E+00
3.100E+33	2.530E+01	7.246E+01	5.304E+01	4.020E+00	2.091E+01	2.319E+01	1.927E+01	1.179E+00
3.200E+33	2.391E+01	7.879E+01	5.386E+01	4.113E+00	2.120E+01	2.659E+01	2.225E+01	1.173E+00
3.300E+33	2.261E+01	8.592E+01	5.471E+01	4.204E+00	2.155E+00	3.038E+01	2.511E+01	1.169E+00
3.400E+33	2.171E+01	9.303E+01	5.568E+01	4.305E+00	2.197E+00	3.452E+01	2.837E+01	1.167E+00
3.500E+33	2.063E+01	1.020E+02	5.671E+01	4.415E+00	2.247E+00	3.892E+01	3.171E+01	1.166E+00
3.600E+33	1.955E+01	1.131E+02	5.771E+01	4.535E+00	2.305E+00	4.341E+01	3.535E+01	1.165E+00
3.700E+33	1.850E+01	1.243E+02	5.914E+01	4.665E+00	2.379E+00	4.702E+01	3.822E+01	1.167E+00
3.800E+33	1.767E+01	1.366E+02	6.056E+01	4.846E+00	2.446E+00	5.164E+01	4.145E+01	1.169E+00
3.900E+33	1.644E+01	1.499E+02	6.198E+01	4.951E+00	2.523E+00	5.534E+01	4.453E+01	1.172E+00
4.000E+33	1.555E+01	1.638E+02	6.333E+01	5.106E+00	2.607E+00	5.866E+01	4.862E+01	1.170E+00
4.100E+33	1.468E+01	1.783E+02	6.477E+01	5.248E+00	2.695E+00	5.722E+01	5.344E+01	1.181E+00
4.200E+33	1.387E+01	1.929E+02	6.620E+01	5.429E+00	2.784E+00	5.423E+01	5.841E+01	1.186E+00
4.300E+33	1.314E+01	2.074E+02	6.757E+01	5.630E+00	2.871E+00	5.179E+01	6.422E+01	1.197E+00
4.400E+33	1.246E+01	2.216E+02	6.884E+01	5.756E+00	2.955E+00	5.546E+01	6.220E+01	1.199E+00
4.500E+33	1.184E+01	2.364E+02	7.010E+01	5.916E+00	3.033E+00	5.705E+01	6.963E+01	1.204E+00
4.600E+33	1.136E+01	2.469E+02	7.120E+01	6.072E+00	3.104E+00	6.008E+01	7.661E+01	1.214E+00
4.700E+33	1.099E+01	2.582E+02	7.219E+01	6.223E+00	3.167E+00	6.374E+01	8.349E+01	1.224E+00
4.800E+33	1.064E+01	2.686E+02	7.307E+01	6.364E+00	3.227E+00	6.905E+01	9.036E+01	1.233E+00
4.900E+33	1.012E+01	2.779E+02	7.365E+01	6.500E+00	3.271E+00	7.312E+01	9.746E+01	1.243E+00
5.000E+33	9.796E+02	2.866E+02	7.454E+01	6.643E+00	3.312E+00	7.207E+01	1.049E+01	1.253E+00
5.200E+33	9.235E+02	3.013E+02	7.537E+01	6.801E+00	3.378E+00	7.803E+01	2.130E+01	1.260E+00
5.400E+33	8.764E+02	3.164E+02	7.675E+01	7.085E+00	3.422E+00	8.342E+01	1.929E+01	1.276E+00
5.600E+33	8.359E+02	3.265E+02	7.763E+01	7.251E+00	3.464E+00	8.446E+01	1.874E+01	1.274E+00
5.800E+33	7.966E+02	3.360E+02	7.849E+01	7.389E+00	3.502E+00	8.492E+01	1.834E+01	1.264E+00
6.000E+33	7.647E+02	3.512E+02	7.936E+01	7.514E+00	3.538E+00	8.647E+01	2.070E+01	1.254E+00
6.200E+33	7.329E+02	3.666E+02	7.637E+01	7.637E+00	3.570E+00	7.857E+01	2.246E+01	1.243E+00
6.400E+33	7.028E+02	3.795E+02	8.120E+01	7.767E+00	3.606E+00	8.207E+01	2.499E+01	1.233E+00
6.600E+33	6.715E+02	3.954E+02	8.219E+01	7.905E+00	3.656E+00	8.703E+01	2.803E+01	1.223E+00
6.800E+33	6.464E+02	4.123E+02	8.325E+01	8.063E+00	3.684E+00	9.125E+01	3.221E+01	1.220E+00
7.000E+33	6.210E+02	4.300E+02	8.426E+01	8.230E+00	3.732E+00	9.622E+01	3.642E+01	1.220E+00
7.200E+33	5.968E+02	4.478E+02	8.524E+01	8.409E+00	3.779E+00	1.010E+02	4.062E+01	1.214E+00
7.400E+33	5.763E+02	4.653E+02	8.625E+01	8.599E+00	3.821E+00	1.064E+02	4.484E+01	1.214E+00
7.600E+33	5.581E+02	4.819E+02	8.714E+01	8.798E+00	3.863E+00	1.121E+02	4.945E+01	1.214E+00
7.800E+33	5.348E+02	5.018E+02	8.795E+01	9.000E+00	3.909E+00	1.182E+02	5.425E+01	1.214E+00
8.000E+33	5.177E+02	5.206E+02	8.863E+01	9.224E+00	3.971E+00	1.247E+02	5.947E+01	1.213E+00
8.200E+33	5.022E+02	5.323E+02	8.927E+01	9.442E+00	4.039E+00	1.310E+02	6.465E+01	1.212E+00
8.400E+33	4.880E+02	5.466E+02	8.986E+01	9.656E+00	4.105E+00	1.374E+02	6.987E+01	1.211E+00
8.600E+33	4.764E+02	5.608E+02	9.045E+01	9.864E+00	4.172E+00	1.430E+02	7.507E+01	1.209E+00
8.800E+33	4.662E+02	5.740E+02	9.103E+01	1.007E+01	4.239E+00	1.487E+02	8.027E+01	1.207E+00
9.000E+33	4.572E+02	5.874E+02	9.159E+01	1.028E+01	4.306E+00	1.543E+02	8.547E+01	1.205E+00
9.200E+33	4.494E+02	6.006E+02	9.215E+01	1.049E+01	4.374E+00	1.600E+02	9.067E+01	1.203E+00
9.400E+33	4.427E+02	6.138E+02	9.265E+01	1.069E+01	4.441E+00	1.657E+02	9.587E+01	1.201E+00
9.600E+33	4.364E+02	6.270E+02	9.315E+01	1.089E+01	4.508E+00	1.714E+02	1.010E+02	1.199E+00
9.800E+33	4.301E+02	6.402E+02	9.363E+01	1.109E+01	4.575E+00	1.771E+02	1.063E+02	1.198E+00
1.000E+34	4.240E+02	6.534E+02	9.413E+01	1.129E+01	4.642E+00	1.828E+02	1.115E+02	1.197E+00
1.020E+34	4.182E+02	6.665E+02	9.462E+01	1.149E+01	4.709E+00	1.885E+02	1.167E+02	1.196E+00
1.040E+34	4.131E+02	6.800E+02	9.513E+01	1.169E+01	4.776E+00	1.942E+02	1.215E+02	1.195E+00
1.060E+34	4.083E+02	6.932E+02	9.562E+01	1.189E+01	4.843E+00	1.999E+02	1.263E+02	1.194E+00
1.080E+34	4.040E+02	7.063E+02	9.611E+01	1.209E+01	4.910E+00	2.056E+02	1.311E+02	1.193E+00
1.100E+34	3.999E+02	7.194E+02	9.659E+01	1.229E+01	4.977E+00	2.113E+02	1.359E+02	1.192E+00
1.120E+34	3.960E+02	7.326E+02	9.708E+01	1.249E+01	5.044E+00	2.170E+02	1.407E+02	1.191E+00
1.140E+34	3.924E+02	7.457E+02	9.757E+01	1.269E+01	5.111E+00	2.227E+02	1.455E+02	1.190E+00
1.160E+34	3.890E+02	7.588E+02	9.806E+01	1.289E+01	5.178E+00	2.284E+02	1.503E+02	1.189E+00
1.180E+34	3.858E+02	7.719E+02	9.855E+01	1.309E+01	5.245E+00	2.341E+02	1.551E+02	1.188E+00
1.200E+34	3.827E+02	7.850E+02	9.904E+01	1.329E+01	5.312E+00	2.400E+02	1.599E+02	1.187E+00
1.220E+34	3.796E+02	7.979E+02	9.953E+01	1.349E+01	5.379E+00	2.458E+02	1.637E+02	1.186E+00
1.240E+34	3.765E+02	8.109E+02	1.000E+02	1.369E+01	5.446E+00	2.516E+02	1.675E+02	1.185E+00
1.260E+34	3.735E+02	8.239E+02	1.010E+02	1.389E+01	5.513E+00	2.574E+02	1.713E+02	1.184E+00
1.280E+34	3.706E+02	8.369E+02						

TABLE I.- Continued

T	RHO/X10-3	R/RTO	S/R	A/AO	CP/R	C/R	GAMMA
2.120E+34	2.033E+02	2.701E+03	1.663E+02	2.059E+01	7.555E+00	6.021E+01	6.322E+01
2.200E+34	3.676E+02	2.675E+09	1.488E+32	2.200E+01	7.517E+03	6.799E+01	9.359E+01
2.300E+34	3.112E+03	2.961E+03	1.508E+02	2.292E+01	7.408E+00	6.001E+01	2.781E+01
2.400E+34	3.715E+03	3.033E+03	1.592E+02	1.010E+01	7.194E+00	3.595E+01	2.441E+01
2.500E+34	3.115E+03	3.115E+03	1.593E+02	7.641E+01	7.078E+00	3.306E+01	2.332E+01
2.600E+34	7.870E+02	3.202E+03	1.451E+02	6.100E+01	7.928E+00	3.480E+01	7.430E+01
2.700E+34	7.651E+02	4.194E+03	1.365E+02	1.100E+01	7.978E+00	3.805E+01	2.719E+01
2.800E+34	7.610E+03	1.132E+03	1.552E+02	1.150E+01	8.035E+00	4.324E+01	3.170E+01
2.900E+34	6.903E+03	1.501E+03	1.596E+02	1.501E+01	8.103E+00	4.993E+01	3.720E+01
3.000E+34	6.670E+03	1.610E+03	1.596E+02	1.501E+01	8.103E+00	5.693E+01	4.282E+01
3.100E+34	6.321E+03	1.704E+03	1.593E+02	1.501E+01	8.278E+00	6.182E+01	4.676E+01
3.200E+34	6.050E+03	3.441E+03	1.465E+02	2.704E+01	8.379E+00	6.440E+01	4.866E+01
3.300E+34	5.796E+03	6.459E+03	1.467E+02	2.768E+01	8.601E+00	6.393E+01	4.812E+01
3.400E+34	5.563E+03	6.230E+03	1.464E+02	2.813E+01	8.576E+00	6.492E+01	4.353E+01
3.500E+34	5.371E+03	6.358E+03	1.704E+02	2.813E+01	8.611E+00	6.611E+01	4.170E+01
3.600E+34	5.105E+03	6.932E+03	1.724E+02	2.868E+01	8.733E+00	9.109E+01	3.770E+01
3.700E+34	4.938E+03	6.657E+03	1.738E+02	2.061E+01	8.793E+00	6.702E+01	3.409E+01
3.800E+34	4.628E+03	4.764E+03	1.750E+02	2.131E+01	8.862E+00	6.351E+01	3.114E+01
3.900E+34	4.382E+03	4.889E+03	1.751E+02	3.194E+01	8.893E+00	6.122E+01	2.993E+01
4.000E+34	4.156E+03	4.949E+03	1.771E+02	2.246E+01	8.919E+00	6.024E+01	2.866E+01
4.100E+34	4.027E+03	5.368E+03	1.781E+02	2.285E+01	8.951E+00	6.006E+01	2.899E+01
4.200E+34	3.932E+03	5.170E+03	1.791E+02	3.314E+01	8.983E+00	6.227E+01	3.050E+01
4.300E+34	3.816E+03	5.276E+03	1.801E+02	3.330E+01	9.017E+00	6.319E+01	3.303E+01
4.400E+34	4.077E+03	5.346E+03	1.812E+02	3.356E+01	9.059E+00	6.419E+01	3.645E+01
4.500E+34	3.963E+03	5.521E+03	1.824E+02	3.378E+01	9.097E+00	6.401E+01	4.053E+01
4.600E+34	3.655E+03	5.640E+03	1.836E+02	3.404E+01	9.147E+00	5.925E+01	4.488E+01
4.700E+34	3.751E+03	5.813E+03	1.850E+02	3.435E+01	9.203E+00	6.428E+01	4.911E+01
4.800E+34	3.648E+03	5.977E+03	1.864E+02	3.472E+01	9.255E+00	6.689E+01	5.271E+01
4.900E+34	3.566E+03	6.151E+03	1.878E+02	3.515E+01	9.332E+00	7.213E+01	5.930E+01
5.000E+34	3.491E+03	6.332E+03	1.893E+02	3.563E+01	9.401E+00	7.392E+01	5.364E+01

R/RTO = 5.00E+00

T	RHO/X10-3	R/RTO	S/R	A/AO	Z	CP/R	C/R	GAMMA
5.000E+32	2.572E+32	2.15E+00	3.201E+01	1.611E+00	1.575E+00	3.448E+01	2.620E+01	1.140E+00
6.000E+32	1.747E+02	3.666E+01	1.742E+00	1.894E+00	1.707E+01	9.346E+00	6.885E+00	1.277E+00
7.000E+32	1.167E+02	3.163E+01	3.878E+01	1.582E+00	1.974E+00	9.304E+00	6.857E+00	1.338E+00
8.000E+32	1.275E+02	3.086E+01	3.898E+01	2.154E+00	1.992E+00	7.778E+00	6.657E+00	1.364E+00
9.000E+32	1.124E+02	3.556E+01	6.079E+01	2.290E+00	1.997E+00	7.646E+00	5.642E+00	1.373E+00
1.000E+33	1.015E+02	1.740E+01	4.158E+01	2.612E+00	1.999E+00	7.445E+00	5.667E+00	1.366E+00
1.100E+33	9.225E+02	1.925E+01	4.229E+01	2.525E+00	1.999E+00	7.522E+00	5.514E+00	1.364E+00
1.200E+33	4.651E+02	1.112E+01	4.205E+01	2.631E+00	2.709E+00	7.679E+00	5.666E+00	1.350E+00
1.300E+33	7.430E+02	2.301E+01	4.396E+01	2.773E+00	2.000E+00	7.696E+00	5.679E+00	1.722E+00
1.400E+33	7.263E+02	2.452E+01	4.414E+01	2.830E+00	2.000E+00	7.789E+00	5.788E+00	1.346E+00
1.500E+33	6.767E+02	3.046E+01	4.446E+01	2.923E+00	2.000E+00	7.803E+00	5.801E+00	1.340E+00
1.600E+33	6.737E+02	3.042E+01	5.923E+01	3.013E+00	2.000E+00	7.979E+00	5.976E+00	1.335E+00
1.700E+33	5.466E+02	3.081E+01	5.942E+01	3.102E+00	2.000E+00	8.076E+00	6.076E+00	1.330E+00
1.800E+33	5.637E+02	3.282E+01	6.155E+01	3.183E+00	2.000E+00	8.188E+00	6.104E+00	1.324E+00
1.900E+33	5.334E+02	3.606E+01	6.065E+01	3.203E+00	2.000E+00	8.324E+00	6.319E+00	1.318E+00
2.000E+33	5.066E+02	3.695E+01	6.703E+01	3.399E+00	2.001E+00	8.500E+00	6.628E+00	1.311E+00
2.100E+33	6.825E+01	3.108E+01	4.766E+01	3.411E+00	2.001E+00	8.773E+00	6.753E+00	1.309E+00
2.200E+33	6.804E+01	4.129E+01	4.767E+01	3.476E+00	2.000E+00	8.803E+00	6.803E+00	1.307E+00
2.300E+33	6.430E+01	4.758E+01	4.829E+00	3.542E+00	2.014E+00	8.937E+00	6.937E+00	1.305E+00
2.400E+33	4.212E+01	6.012E+01	4.971E+01	3.602E+00	2.010E+00	9.010E+00	7.010E+00	1.303E+00
2.500E+33	4.336E+01	6.661E+01	4.914E+01	3.635E+00	2.014E+00	9.094E+00	6.964E+00	1.292E+00
2.600E+33	3.671E+01	5.138E+01	4.956E+01	3.714E+00	2.015E+00	9.101E+00	7.370E+00	1.290E+00
2.700E+33	3.716E+01	5.654E+01	5.007E+01	3.770E+00	2.022E+00	9.220E+00	7.372E+00	1.288E+00
2.800E+33	3.423E+01	5.006E+01	5.025E+01	3.828E+00	2.032E+00	9.379E+00	7.373E+00	1.286E+00
2.900E+33	3.209E+01	4.629E+01	5.176E+01	3.876E+00	2.038E+00	9.461E+00	7.374E+00	1.284E+00
3.000E+33	3.430E+01	4.758E+01	5.242E+01	3.942E+00	2.041E+00	9.537E+00	7.375E+00	1.282E+00
3.100E+33	3.007E+01	5.135E+01	5.315E+01	3.971E+00	2.047E+00	9.602E+00	7.376E+00	1.280E+00
3.200E+33	3.073E+01	5.362E+01	5.396E+01	4.015E+00	2.051E+00	9.677E+00	7.377E+00	1.278E+00
3.300E+33	3.400E+01	5.705E+01	5.447E+01	4.057E+00	2.055E+00	9.751E+00	7.378E+00	1.276E+00
3.400E+33	2.735E+01	5.945E+01	5.497E+01	4.107E+00	2.059E+00	9.825E+00	7.379E+00	1.274E+00
3.500E+33	2.607E+01	5.945E+01	5.505E+01	4.309E+00	2.062E+00	9.895E+00	7.380E+00	1.272E+00
3.600E+33	2.129E+01	5.113E+01	5.537E+01	4.505E+00	2.065E+00	9.965E+00	7.381E+00	1.270E+00
3.700E+33	2.146E+01	5.193E+01	5.574E+01	4.558E+00	2.068E+00	1.002E+01	7.382E+00	1.268E+00
3.800E+33	2.223E+01	5.705E+01	5.633E+01	4.614E+00	2.071E+00	1.008E+01	7.383E+00	1.266E+00
3.900E+33	2.131E+01	5.323E+01	5.644E+01	4.694E+00	2.074E+00	1.014E+01	7.384E+00	1.264E+00
4.000E+33	1.949E+01	5.946E+01	5.606E+01	5.033E+00	2.077E+00	1.020E+01	7.385E+00	1.262E+00
4.100E+33	1.870E+01	5.702E+01	5.638E+01	5.195E+00	2.081E+00	1.026E+01	7.386E+00	1.260E+00
4.200E+33	1.773E+01	5.644E+01	5.677E+01	5.267E+00	2.085E+00	1.032E+01	7.387E+00	1.258E+00
4.300E+33	1.679E+01	5.585E+01	5.613E+01	5.339E+00	2.089E+00	1.038E+01	7.388E+00	1.256E+00
4.400E+33	1.590E+01	5.212E+01	5.613E+01	5.410E+00	2.093E+00	1.044E+01	7.389E+00	1.254E+00
4.500E+33	1.516E+01	5.261E+01	5.646E+01	5.482E+00	2.097E+00	1.050E+01	7.390E+00	1.252E+00
4.600E+33	1.447E+01	5.339E+01	5.666E+01	5.554E+00	2.101E+00	1.056E+01	7.391E+00	1.250E+00
4.700E+33	1.384E+01	5.507E+01	5.664E+01	5.624E+00	2.105E+00	1.062E+01	7.392E+00	1.248E+00
4.800E+33	1.331E+01	5.617E+01	5.677E+01	5.697E+00	2.109E+00	1.068E+01	7.393E+00	1.246E+00

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE I.- Continued

T	RHO/RHO-D	H/RTD	S/R	A/A0	L	C/P/R	C/V/R	GAMMA
4.900E+33	1.283E+01	2.717E+02	7.261E+01	6.649E+00	3.277E+00	3.876E+01	2.943E+01	1.237E+00
5.000E+33	1.229E+01	2.606E+02	7.335E+01	6.595E+00	3.273E+00	3.936E+01	2.689E+01	1.247E+00
5.200E+33	1.165E+01	2.706E+02	7.462E+01	6.826E+00	3.307E+00	2.994E+01	2.271E+01	1.263E+00
5.400E+33	1.103E+01	3.106E+02	7.595E+01	7.059E+00	3.406E+00	2.655E+01	1.017E+01	1.273E+00
5.600E+33	1.050E+01	3.232E+02	7.661E+01	7.234E+00	3.448E+00	2.499E+01	1.900E+01	1.275E+00
5.800E+33	1.003E+01	3.354E+02	7.735E+01	7.383E+00	3.485E+00	2.449E+01	1.917E+01	1.269E+00
6.000E+33	9.602E+02	3.479E+02	7.834E+01	7.514E+00	3.520E+00	2.505E+01	2.016E+01	1.258E+00
6.200E+33	9.203E+02	3.613E+02	7.922E+01	7.639E+00	3.554E+00	2.767E+01	2.176E+01	1.244E+00
6.400E+33	9.017E+02	3.725E+02	8.013E+01	7.768E+00	3.589E+00	2.987E+01	2.367E+01	1.234E+00
6.600E+33	8.707E+02	3.805E+02	8.108E+01	7.895E+00	3.617E+00	3.719E+01	2.961E+01	1.228E+00
6.800E+33	8.130E+02	3.898E+02	8.207E+01	8.025E+00	3.646E+00	3.413E+01	2.724E+01	1.223E+00
7.000E+33	7.807E+02	4.241E+02	8.308E+01	8.214E+00	3.711E+00	3.344E+01	2.422E+01	1.227E+00
7.200E+33	7.553E+02	4.417E+02	8.409E+01	8.387E+00	3.754E+00	3.978E+01	2.646E+01	1.224E+00
7.400E+33	7.219E+02	4.592E+02	8.506E+01	8.570E+00	3.796E+00	3.505E+01	2.775E+01	1.233E+00
7.600E+33	6.957E+02	4.760E+02	8.694E+01	8.763E+00	3.839E+00	3.321E+01	2.616E+01	1.240E+00
7.800E+33	6.717E+02	4.916E+02	8.886E+01	8.968E+00	3.878E+00	3.068E+01	2.394E+01	1.253E+00
8.000E+33	6.490E+02	5.062E+02	9.075E+01	9.170E+00	3.901E+00	2.767E+01	2.111E+01	1.269E+00
8.200E+33	6.279E+02	5.218E+02	9.260E+01	9.374E+00	3.925E+00	2.503E+01	1.912E+01	1.289E+00
8.400E+33	6.017E+02	5.310E+02	9.447E+01	9.564E+00	3.949E+00	2.261E+01	1.705E+01	1.309E+00
8.600E+33	5.950E+02	5.416E+02	9.632E+01	9.810E+00	3.983E+00	2.070E+01	1.561E+01	1.328E+00
8.800E+33	5.795E+02	5.515E+02	9.814E+01	1.000E+01	3.976E+00	1.931E+01	1.427E+01	1.346E+00
9.000E+33	5.635E+02	5.610E+02	9.996E+01	1.017E+01	3.998E+00	1.849E+01	1.349E+01	1.335E+00
9.200E+33	5.514E+02	5.697E+02	1.013E+02	1.031E+01	3.971E+00	1.797E+01	1.311E+01	1.261E+00
9.400E+33	5.384E+02	5.780E+02	1.024E+02	1.044E+01	4.004E+00	1.780E+01	1.305E+01	1.261E+00
9.600E+33	5.261E+02	5.862E+02	1.032E+02	1.059E+01	4.035E+00	1.808E+01	1.324E+01	1.257E+00
9.800E+33	5.147E+02	5.944E+02	1.038E+02	1.063E+01	4.024E+00	1.835E+01	1.364E+01	1.249E+00
1.000E+34	5.026E+02	6.027E+02	1.042E+02	1.071E+01	4.032E+00	1.924E+01	1.327E+01	1.271E+00
1.100E+34	4.596E+02	6.591E+02	1.070E+02	1.100E+01	4.091E+00	2.342E+01	1.497E+01	1.283E+00
1.200E+34	4.357E+02	7.365E+02	1.080E+02	1.152E+01	4.190E+00	3.579E+01	2.019E+01	1.241E+00
1.300E+34	4.183E+02	8.135E+02	1.092E+02	1.202E+01	4.351E+00	5.036E+01	3.977E+01	1.217E+00
1.400E+34	3.958E+02	8.995E+02	1.103E+02	1.264E+01	4.592E+00	6.861E+01	9.359E+01	1.206E+00
1.500E+34	3.715E+02	9.855E+02	1.114E+02	1.326E+01	4.871E+00	8.756E+01	1.719E+01	1.206E+00
1.600E+34	3.516E+02	1.070E+03	1.125E+02	1.387E+01	5.175E+00	1.054E+02	2.644E+01	1.217E+00
1.700E+34	3.349E+02	1.163E+03	1.136E+02	1.449E+01	5.474E+00	1.252E+02	3.639E+01	1.227E+00
1.800E+34	3.206E+02	1.260E+03	1.147E+02	1.511E+01	5.766E+00	1.459E+02	5.267E+01	1.227E+00
1.900E+34	3.153E+02	1.354E+03	1.158E+02	1.563E+01	6.058E+00	1.667E+02	7.343E+01	1.227E+00
2.000E+34	3.102E+02	1.448E+03	1.169E+02	1.615E+01	6.351E+00	1.874E+02	9.935E+01	1.227E+00
2.100E+34	3.051E+02	1.542E+03	1.180E+02	1.667E+01	6.644E+00	2.082E+02	1.219E+02	1.227E+00
2.200E+34	2.998E+02	1.636E+03	1.191E+02	1.719E+01	6.937E+00	2.289E+02	1.411E+02	1.227E+00
2.300E+34	2.945E+02	1.730E+03	1.202E+02	1.771E+01	7.230E+00	2.496E+02	1.603E+02	1.227E+00
2.400E+34	2.892E+02	1.823E+03	1.213E+02	1.823E+01	7.530E+00	2.703E+02	1.795E+02	1.227E+00
2.500E+34	2.839E+02	1.916E+03	1.224E+02	1.875E+01	7.833E+00	2.910E+02	1.987E+02	1.227E+00
2.600E+34	2.787E+02	2.009E+03	1.235E+02	1.927E+01	8.136E+00	3.117E+02	2.180E+02	1.227E+00
2.700E+34	2.734E+02	2.102E+03	1.246E+02	1.979E+01	8.439E+00	3.324E+02	2.372E+02	1.227E+00
2.800E+34	2.682E+02	2.195E+03	1.257E+02	2.031E+01	8.742E+00	3.531E+02	2.564E+02	1.227E+00
2.900E+34	2.630E+02	2.288E+03	1.268E+02	2.083E+01	9.045E+00	3.738E+02	2.756E+02	1.227E+00
3.000E+34	2.578E+02	2.381E+03	1.279E+02	2.135E+01	9.348E+00	3.945E+02	2.948E+02	1.227E+00
3.100E+34	2.525E+02	2.474E+03	1.290E+02	2.187E+01	9.651E+00	4.152E+02	3.140E+02	1.227E+00
3.200E+34	2.473E+02	2.567E+03	1.301E+02	2.239E+01	9.954E+00	4.359E+02	3.332E+02	1.227E+00
3.300E+34	2.421E+02	2.660E+03	1.312E+02	2.291E+01	1.026E+01	4.566E+02	3.524E+02	1.227E+00
3.400E+34	2.369E+02	2.753E+03	1.323E+02	2.343E+01	1.057E+01	4.773E+02	3.716E+02	1.227E+00
3.500E+34	2.317E+02	2.846E+03	1.334E+02	2.395E+01	1.088E+01	4.980E+02	3.908E+02	1.227E+00
3.600E+34	2.265E+02	2.939E+03	1.345E+02	2.447E+01	1.119E+01	5.187E+02	4.099E+02	1.227E+00
3.700E+34	2.213E+02	3.032E+03	1.356E+02	2.500E+01	1.150E+01	5.394E+02	4.291E+02	1.227E+00
3.800E+34	2.161E+02	3.125E+03	1.367E+02	2.552E+01	1.181E+01	5.597E+02	4.483E+02	1.227E+00
3.900E+34	2.109E+02	3.218E+03	1.378E+02	2.604E+01	1.212E+01	5.804E+02	4.675E+02	1.227E+00
4.000E+34	2.057E+02	3.311E+03	1.389E+02	2.656E+01	1.243E+01	6.011E+02	4.867E+02	1.227E+00
4.100E+34	2.005E+02	3.404E+03	1.399E+02	2.708E+01	1.274E+01	6.218E+02	5.059E+02	1.227E+00
4.200E+34	1.953E+02	3.497E+03	1.410E+02	2.760E+01	1.305E+01	6.425E+02	5.251E+02	1.227E+00
4.300E+34	1.901E+02	3.590E+03	1.421E+02	2.812E+01	1.336E+01	6.632E+02	5.443E+02	1.227E+00
4.400E+34	1.849E+02	3.683E+03	1.432E+02	2.864E+01	1.367E+01	6.839E+02	5.635E+02	1.227E+00
4.500E+34	1.797E+02	3.776E+03	1.443E+02	2.916E+01	1.408E+01	7.046E+02	5.827E+02	1.227E+00
4.600E+34	1.745E+02	3.869E+03	1.454E+02	2.968E+01	1.449E+01	7.253E+02	6.019E+02	1.227E+00
4.700E+34	1.693E+02	3.962E+03	1.465E+02	3.020E+01	1.490E+01	7.460E+02	6.211E+02	1.227E+00
4.800E+34	1.641E+02	4.055E+03	1.476E+02	3.072E+01	1.531E+01	7.667E+02	6.403E+02	1.227E+00
4.900E+34	1.589E+02	4.148E+03	1.487E+02	3.124E+01	1.572E+01	7.874E+02	6.595E+02	1.227E+00
5.000E+34	1.537E+02	4.241E+03	1.498E+02	3.176E+01	1.613E+01	8.081E+02	6.787E+02	1.227E+00
5.100E+34	1.485E+02	4.334E+03	1.509E+02	3.228E+01	1.654E+01	8.288E+02	6.979E+02	1.227E+00
5.200E+34	1.433E+02	4.427E+03	1.520E+02	3.280E+01	1.695E+01	8.495E+02	7.171E+02	1.227E+00
5.300E+34	1.381E+02	4.520E+03	1.531E+02	3.332E+01	1.736E+01	8.702E+02	7.363E+02	1.227E+00
5.400E+34	1.329E+02	4.613E+03	1.542E+02	3.384E+01	1.777E+01	8.909E+02	7.555E+02	1.227E+00
5.500E+34	1.277E+02	4.706E+03	1.553E+02	3.436E+01	1.818E+01	9.116E+02	7.747E+02	1.227E+00
5.600E+34	1.225E+02	4.799E+03	1.564E+02	3.488E+01	1.859E+01	9.323E+02	7.939E+02	1.227E+00
5.700E+34	1.173E+02	4.892E+03	1.575E+02	3.540E+01	1.900E+01	9.530E+02	8.131E+02	1.227E+00
5.800E+34	1.121E+02	4.985E+03	1.586E+02	3.592E+01	1.941E+01	9.737E+02	8.323E+02	1.227E+00
5.900E+34	1.069E+02	5.078E+03	1.597E+02	3.644E+01	1.982E+01	9.944E+02	8.515E+02	1.227E+00
6.000E+34	1.017E+02	5.171E+03	1.608E+02	3.696E+01	2.023E+01	1.015E+03	8.707E+02	1.227E+00
6.100E+34	9.655E+02	5.264E+03	1.619E+02	3.748E+01	2.064E+01	1.035E+03	8.899E+02	1.227E+00
6.200E+34	9.133E+02	5.357E+03	1.630E+02	3.800E+01	2.105E+01	1.055E+03	9.091E+02	1.227E+00
6.300E+34	8.611E+02	5.450E+03	1.641E+02	3.852E+01	2.146E+01	1.075E+03	9.283E+02	1.227E+00
6.400E+34	8.089E+02	5.543E+03	1.652E+02	3.904E+01	2.187E+01	1.095E+03	9.475E+02	1.227E+00
6.500E+34	7.567E+02	5.636E+03	1.663E+02	3.956E+01</td				

TABLE I. - Continued

T	RHO/RHO-0	M/RTD	S/R	A/A0	L	CP/R	CV/R	GAMMA
1.300E+33	9.361E-91	2.391E+01	4.320E+01	2.733E+00	2.000E+00	7.646E+00	5.695E+00	1.352E+00
1.403E+33	8.691E-01	2.492E+01	4.378E+01	2.830E+00	2.000E+00	7.790E+00	5.780E+00	1.346E+00
1.500E+33	8.112E-01	2.686E+01	4.432E+01	2.923E+00	2.000E+00	7.883E+00	5.882E+00	1.349E+00
1.600E+33	7.674E-01	2.882E+01	4.483E+01	3.013E+00	2.000E+00	7.977E+00	5.975E+00	1.335E+00
1.700E+33	7.151E-01	3.081E+01	4.532E+01	3.100E+00	2.000E+00	8.074E+00	6.072E+00	1.320E+00
1.800E+33	6.759E-01	3.282E+01	4.579E+01	3.189E+00	2.000E+00	8.183E+00	6.179E+00	1.324E+00
1.900E+33	6.403E-01	3.480E+01	4.624E+01	3.264E+00	2.000E+00	8.313E+00	6.304E+00	1.318E+00
2.000E+33	6.108E-01	3.684E+01	4.667E+01	3.340E+00	2.000E+00	8.479E+00	6.463E+00	1.312E+00
2.100E+33	5.791E-01	3.907E+01	4.709E+01	3.417E+00	2.000E+00	8.702E+00	6.672E+00	1.304E+00
2.200E+33	5.525E-01	4.126E+01	4.750E+01	3.461E+00	2.000E+00	9.004E+00	6.953E+00	1.294E+00
2.300E+33	5.281E-01	4.354E+01	4.792E+01	3.545E+00	2.000E+00	9.414E+00	7.33CE+00	1.283E+00
2.400E+33	5.055E-01	4.594E+01	4.833E+01	3.606E+00	2.000E+00	9.964E+00	7.831E+00	1.271E+00
2.500E+33	4.845E-01	4.850E+01	4.875E+01	3.663E+00	2.000E+00	1.049E+01	8.484E+00	1.257E+00
2.600E+33	4.648E-01	5.126E+01	4.919E+01	3.719E+00	2.013E+00	1.162E+01	9.319E+00	1.243E+00
2.700E+33	4.462E-01	5.428E+01	4.966E+01	3.775E+00	2.020E+00	1.280E+01	1.036E+01	1.229E+00
2.800E+33	4.284E-01	5.735E+01	5.015E+01	3.832E+00	2.029E+00	1.424E+01	1.164E+01	1.216E+00
2.900E+33	4.112E-01	6.177E+01	5.069E+01	3.892E+00	2.040E+00	1.603E+01	1.318E+01	1.205E+00
3.000E+33	3.964E-01	6.559E+01	5.127E+01	3.957E+00	2.055E+00	1.813E+01	1.498E+01	1.195E+00
3.100E+33	3.844E-01	7.036E+01	5.190E+01	4.027E+00	2.074E+00	2.059E+01	1.705E+01	1.187E+00
3.200E+33	3.624E-01	7.582E+01	5.260E+01	4.104E+00	2.098E+00	2.341E+01	1.939E+01	1.180E+00
3.300E+33	3.467E-01	8.199E+01	5.338E+01	4.188E+00	2.127E+00	2.658E+01	2.197E+01	1.176E+00
3.400E+33	3.310E-01	8.899E+01	5.422E+01	4.280E+00	2.162E+00	3.008E+01	2.475E+01	1.172E+00
3.500E+33	3.155E-01	9.688E+01	5.515E+01	4.360E+00	2.203E+00	3.389E+01	2.768E+01	1.171E+00
3.600E+33	3.007E-01	1.057E+02	5.616E+01	4.489E+01	2.251E+00	3.781E+01	3.080E+01	1.170E+00
3.700E+33	2.851E-01	1.156E+02	5.726E+01	4.607E+00	2.307E+00	4.184E+01	3.364E+01	1.170E+00
3.800E+33	2.732E-01	1.266E+02	5.843E+01	4.734E+00	2.369E+00	4.577E+01	3.645E+01	1.172E+00
3.900E+33	2.580E-01	1.381E+02	5.965E+01	4.870E+00	2.437E+00	4.945E+01	3.896E+01	1.174E+00
4.000E+33	2.424E-01	1.507E+02	6.096E+01	5.013E+00	2.512E+00	5.251E+01	4.102E+01	1.177E+00
4.100E+33	2.290E-01	1.639E+02	6.228E+01	5.163E+00	2.591E+00	5.487E+01	4.249E+01	1.180E+00
4.200E+33	2.167E-01	1.777E+02	6.363E+01	5.317E+00	2.674E+00	5.620E+01	4.326E+01	1.185E+00
4.300E+33	2.052E-01	1.916E+02	6.496E+01	5.475E+00	2.757E+00	5.860E+01	4.325E+01	1.190E+00
4.400E+33	1.947E-01	2.055E+02	6.625E+01	5.635E+00	2.846E+00	5.808E+01	4.266E+01	1.195E+00
4.500E+33	1.851E-01	2.196E+02	6.746E+01	5.794E+00	2.921E+00	5.297E+01	4.095E+01	1.202E+00
4.600E+33	1.755E-01	2.326E+02	6.864E+01	5.951E+00	2.996E+00	5.129E+01	3.897E+01	1.208E+00
4.700E+33	1.669E-01	2.464E+02	6.971E+01	6.104E+00	3.152E+00	5.251E+01	3.626E+01	1.216E+00
4.800E+33	1.619E-01	2.556E+02	7.086E+01	6.254E+00	3.130E+00	4.445E+01	3.366E+01	1.225E+00
4.900E+33	1.555E-01	2.661E+02	7.156E+01	6.398E+00	3.167E+00	4.084E+01	3.093E+01	1.233E+00
5.000E+33	1.503E-01	2.757E+02	7.239E+01	6.537E+00	3.237E+00	3.762E+01	2.834E+01	1.242E+00
5.200E+33	1.416E-01	2.926E+02	7.369E+01	6.755E+00	3.319E+00	3.166E+01	2.398E+01	1.258E+00
5.400E+33	1.333E-01	3.072E+02	7.481E+01	7.022E+00	3.381E+00	2.775E+01	2.104E+01	1.270E+00
5.600E+33	1.267E-01	3.292E+02	7.577E+01	7.214E+00	3.430E+00	2.564E+01	1.952E+01	1.275E+00
5.800E+33	1.204E-01	3.476E+02	7.666E+01	7.376E+00	3.476E+00	2.505E+01	1.922E+01	1.271E+00
6.000E+33	1.157E-01	3.651E+02	7.751E+01	7.512E+00	3.506E+00	2.564E+01	1.986E+01	1.262E+00
6.200E+33	1.109E-01	3.830E+02	7.837E+01	7.640E+00	3.546E+00	2.707E+01	2.110E+01	1.251E+00
6.400E+33	1.063E-01	3.917E+02	7.926E+01	7.768E+00	3.575E+00	2.904E+01	2.249E+01	1.244E+00
6.600E+33	1.021E-01	3.986E+02	8.015E+01	7.902E+00	3.612E+00	3.120E+01	2.475E+01	1.232E+00
6.800E+33	9.794E-02	4.026E+02	8.015E+01	8.047E+00	3.652E+00	3.32CE+01	2.663E+01	1.227E+00
7.000E+33	9.412E-02	4.194E+02	8.214E+01	8.203E+00	3.693E+00	3.470E+01	2.764E+01	1.224E+00
7.200E+33	9.045E-02	4.367E+02	8.313E+01	8.370E+00	3.736E+00	3.538E+01	2.814E+01	1.225E+00
7.400E+33	8.744E-02	4.541E+02	8.409E+01	8.548E+00	3.778E+00	3.505E+01	2.770E+01	1.230E+00
7.600E+33	8.438E-02	4.711E+02	8.501E+01	8.736E+00	3.818E+00	3.570E+01	2.657E+01	1.237E+00
7.800E+33	8.093E-02	4.872E+02	8.596E+01	8.934E+00	3.855E+00	3.514E+01	2.446E+01	1.249E+00
8.000E+33	7.726E-02	5.021E+02	8.663E+01	9.139E+00	3.888E+00	3.220E+01	2.240E+01	1.264E+00
8.200E+33	7.352E-02	5.157E+02	8.733E+01	9.349E+00	3.914E+00	2.614E+01	2.005E+01	1.281F+00
8.400E+33	7.019E-02	5.299E+02	8.790E+01	9.581E+00	3.936E+00	2.347E+01	1.790E+01	1.301E+00
8.600E+33	6.715E-02	5.359E+02	8.846E+01	9.769E+00	3.954E+00	2.154E+01	1.611E+01	1.320E+00
8.800E+33	6.436E-02	5.492E+02	8.891E+01	9.965E+00	3.969E+00	1.995E+01	1.476E+01	1.337E+00
9.000E+33	6.170E-02	5.588E+02	8.935E+01	1.014E+01	3.982E+00	1.885E+01	1.382E+01	1.351E+00
9.200E+33	5.925E-02	5.679E+02	8.975E+01	1.030E+01	3.992E+00	1.820E+01	1.329E+01	1.367E+00
9.400E+33	5.696E-02	5.768E+02	9.014E+01	1.043E+01	4.001E+00	1.793E+01	1.307E+01	1.362E+00
9.600E+33	5.471E-02	5.856E+02	9.052E+01	1.055E+01	4.010E+00	1.797E+01	1.313E+01	1.366E+00
9.800E+33	5.251E-02	5.946E+02	9.089E+01	1.065E+01	4.019E+00	1.828E+01	1.341E+01	1.354E+00
1.000E+34	5.042E-02	6.037E+02	9.127E+01	1.073E+01	4.027E+00	1.883E+01	1.389E+01	1.346E+00
1.100E+34	4.547E-02	6.560E+02	9.328E+01	1.110E+01	4.082E+00	2.427E+01	1.859E+01	1.291E+00
1.200E+34	4.059E-02	6.267E+02	9.577E+01	1.153E+01	4.173E+01	3.372E+01	2.645E+01	1.243E+00
1.300E+34	3.632E-02	6.259E+02	9.697E+01	1.208E+01	4.320E+01	4.709E+01	3.714E+01	1.223E+00
1.400E+34	3.217E-02	6.118E+02	9.618E+01	1.201E+02	4.516E+01	6.401E+01	4.498E+01	1.210E+00
1.500E+34	2.834E-02	5.951E+02	9.525E+01	1.205E+02	4.647E+01	8.291E+01	5.348E+01	1.206E+00
1.600E+34	2.470E-02	5.804E+02	9.467E+01	1.206E+02	4.759E+01	1.003E+02	7.411E+01	1.208E+00
1.700E+34	2.134E-02	5.632E+02	9.305E+01	1.205E+02	4.863E+01	1.144E+02	8.103E+01	1.215E+00
1.800E+34	1.814E-02	5.492E+02	9.105E+01	1.204E+02	4.971E+01	1.212E+02	8.142E+01	1.220E+00
1.900E+34	1.512E-02	5.317E+02	8.917E+01	1.203E+02	5.082E+01	1.212E+02	8.182E+01	1.224E+00
2.000E+34	1.227E-02	5.192E+02	8.727E+01	1.202E+02	5.192E+01	1.212E+02	8.222E+01	1.228E+00
2.100E+34	9.512E-03	5.041E+02	8.537E+01	1.201E+02	5.302E+01	1.212E+02	8.262E+01	1.232E+00
2.200E+34	6.953E-03	4.848E+02	8.347E+01	1.200E+02	5.412E+01	1.212E+02	8.302E+01	1.236E+00
2.300E+34	4.549E-03	4.649E+02	8.157E+01	1.199E+02	5.523E+01	1.212E+02	8.342E+01	1.240E+00
2.400E+34	1.312E-03	4.489E+02	7.969E+01	1.198E+02	5.633E+01	1.212E+02	8.382E+01	1.244E+00
2.500E+34	1.207E-03	4.301E+02	7.781E+01	1.197E+02	5.743E+01	1.212E+02	8.422E+01	1.248E+00
2.600E+34	1.103E-03	4.140E+02	7.593E+01	1.196E+02	5.853E+01	1.212E+02	8.462E+01	1.252E+00
2.700E+34	1.003E-03	4.010E+02	7.403E+01	1.195E+02	5.963E+01	1.212E+02	8.502E+01	1.256E+00
2.800E+34	8.990E-04	3.890E+02	7.213E+01	1.194E+02	6.073E+01	1.212E+02	8.542E+01	1.260E+00
2.900E+34	7.950E-04	3.770E+02	7.023E+01	1.193E+02	6.183E+01	1.212E+02	8.582E+01	1.264E+00
3.000E+34	6.910E-04	3.650E+02	6.833E+01	1.192E+02	6.293E+01	1.212E+02	8.622E+01	1.268E+00
3.100E+34	5.970E-04	3.530E+02	6.643E+01	1.191E+02	6.403E+01	1.212E+02	8.662E+01	1.272E+00
3.200E+34	5.030E-04							

TABLE I. - Continued

T	RHO/RHO-0	H/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	6.123E-03	4.294E+03	1.662E+02	2.002E+01	8.559E+30	5.966E+01	4.434E+01	1.305E+00
3.600E+04	7.022E-03	4.439E+03	1.679E+02	2.054E+01	8.642E+00	5.375E+01	4.109E+01	1.319E+00
3.700E+04	7.546E-03	4.571E+03	1.693E+02	3.027E+01	8.713E+00	5.141E+01	3.751E+01	1.337E+00
3.800E+04	7.299E-03	4.693E+03	1.707E+02	3.099E+01	8.773E+00	4.736E+01	3.420E+01	1.355E+00
3.900E+04	7.071E-03	4.808E+03	1.718E+02	3.168E+01	8.823E+00	4.409E+01	3.154E+01	1.372E+00
4.000E+04	6.841E-03	4.911E+03	1.729E+02	3.230E+01	8.864E+00	4.185E+01	2.976E+01	1.384E+00
4.100E+04	6.666E-03	5.012E+03	1.739E+02	3.282E+01	8.903E+00	4.076E+01	2.894E+01	1.388E+00
4.200E+04	6.443E-03	5.113E+03	1.749E+02	3.323E+01	8.937E+00	4.087E+01	2.913E+01	1.384E+00
4.300E+04	6.309E-03	5.215E+03	1.759E+02	3.355E+01	8.969E+00	4.216E+01	3.030E+01	1.373E+00
4.400E+04	6.143E-03	5.322E+03	1.769E+02	3.380E+01	9.003E+00	4.457E+01	3.240E+01	1.357E+00
4.500E+04	5.982E-03	5.436E+03	1.779E+02	3.402E+01	9.040E+00	4.798E+01	3.531E+01	1.338E+00
4.600E+04	5.825E-03	5.559E+03	1.789E+02	3.424E+01	9.081E+00	5.216E+01	3.884E+01	1.321E+00
4.700E+04	5.672E-03	5.693E+03	1.800E+02	3.456E+01	9.127E+00	5.680E+01	4.271E+01	1.305E+00
4.800E+04	5.522E-03	5.830E+03	1.811E+02	3.480E+01	9.160E+00	6.149E+01	4.659E+01	1.295E+00
4.900E+04	5.376E-03	5.974E+03	1.822E+02	3.515E+01	9.238E+00	6.575E+01	5.001E+01	1.284E+00
5.000E+04	5.233E-03	6.130E+03	1.834E+02	3.556E+01	9.300E+00	6.914E+01	5.270E+01	1.279E+00

P/P0 = 7.00E+00

T	RHO/RHO-0	H/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+02	3.759E+00	1.131E+00	3.070E+01	1.381E+00	1.510E+00	3.425E+01	2.563E+01	1.188E+00
4.000E+03	2.544E+00	8.083E+00	3.589E+01	1.719E+00	1.466E+00	1.476E+01	1.245E+00	
7.000E+02	2.045E+00	1.147E+00	3.802E+01	1.569E+00	1.007E+01	7.467E+00	1.372E+00	
6.000E+02	1.764E+00	1.363E+00	3.920E+01	2.144E+00	1.989E+00	7.993E+00	5.825E+00	1.765E+00
9.000E+02	1.581E+00	1.554E+00	4.011E+01	2.288E+00	1.996E+00	7.355E+00	5.496E+00	1.372E+00
1.000E+03	1.421E+00	1.739E+01	4.090E+01	2.411E+00	1.998E+00	7.493E+00	5.468E+00	1.369E+00
1.100E+03	1.291E+00	1.924E+01	4.162E+01	2.524E+00	1.999E+00	7.535E+00	5.523E+00	1.364E+00
1.200E+03	1.183E+00	2.112E+01	4.228E+01	2.631E+00	1.999E+00	7.611E+00	5.605E+00	1.358E+00
1.300E+03	1.092E+00	2.301E+01	4.287E+01	2.733E+00	2.000E+00	7.700E+00	5.696E+00	1.351E+00
1.400E+03	1.014E+00	2.492E+01	4.347E+01	2.830E+00	2.000E+00	7.791E+00	5.789E+00	1.346E+00
1.500E+03	9.444E-01	2.688E+01	4.401E+01	2.923E+00	2.000E+00	7.883E+00	5.882E+00	1.340E+00
1.600E+03	8.872E-01	2.882E+01	4.452E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.700E+03	8.350F-01	3.081E+01	4.501E+01	3.100E+00	2.000E+00	8.073F+00	6.070E+00	1.330E+00
1.800E+03	7.866E-01	3.282E+01	4.548E+01	3.194E+00	2.000E+00	8.179E+00	6.175E+00	1.324E+00
1.900E+03	7.470E-01	3.484E+01	4.593E+01	3.264E+00	2.000E+00	8.305E+00	6.297E+00	1.319E+00
2.000E+03	7.095E-01	3.693E+01	4.636E+01	3.341E+00	2.000E+00	8.446E+00	6.448E+00	1.312E+00
2.100E+03	6.756E-01	3.906E+01	4.678E+01	3.414E+00	2.001E+00	8.674E+00	6.647E+00	1.305E+00
2.200E+03	6.446E-01	4.124E+01	4.719E+01	3.483E+00	2.002E+00	8.950E+00	6.911E+00	1.296E+00
2.300E+03	6.152E-01	4.351E+01	4.760E+01	3.547E+00	2.003E+00	9.342E+00	7.264E+00	1.285E+00
2.400E+03	5.899E-01	4.588E+01	4.801E+01	3.609E+00	2.005E+00	9.659E+00	7.515E+00	1.273E+00
2.500E+03	5.655E-01	4.811E+01	4.843E+01	3.667E+00	2.008E+00	1.053E+01	8.240E+00	1.260E+00
2.600E+03	5.425E-01	5.112E+01	4.886E+01	3.723E+00	2.012E+00	1.140E+01	9.117E+00	1.246E+00
2.700E+03	5.209E-01	5.408E+01	4.932E+01	3.779E+00	2.018E+00	1.249E+01	1.009E+01	1.233E+00
2.800E+03	5.030E-01	5.734E+01	4.980E+01	3.836E+00	2.027E+00	1.385E+01	1.120E+01	1.220E+00
2.900E+03	4.805E-01	6.096E+01	5.031E+01	3.895E+00	2.037E+00	1.549E+01	1.270E+01	1.208E+00
3.000E+03	4.613E-01	6.404E+01	5.087E+01	3.955E+00	2.051E+00	1.744E+01	1.438E+01	1.198E+00
3.100E+03	4.426E-01	6.936E+01	5.149E+01	4.027E+00	2.069E+00	1.973E+01	1.631F+01	1.190E+00
3.200E+03	4.243E-01	7.483E+01	5.216E+01	4.102E+00	2.091E+00	2.235E+01	1.849E+01	1.183E+00
3.300E+03	4.062F-01	8.072E+01	5.289E+01	4.184E+00	2.118E+00	2.531E+01	2.091E+01	1.178E+00
3.400E+03	3.883E-01	8.737E+01	5.370E+01	4.273E+00	2.150E+00	2.858E+01	2.352E+01	1.175E+00
3.500E+03	3.706E-01	9.447E+01	5.454E+01	4.369E+00	2.189E+00	3.213E+01	2.630E+01	1.173E+00
3.600E+03	3.531E-01	1.033E+02	5.534E+01	4.475E+00	2.233E+00	3.587E+01	2.914E+01	1.172E+00
3.700E+03	3.359E-01	1.126E+02	5.658E+01	4.589E+00	2.285E+00	3.972E+01	3.201E+01	1.172E+00
3.800E+03	3.188E-01	1.229E+02	5.769E+01	4.711E+00	2.343E+00	4.354E+01	3.474E+01	1.173E+00
3.900E+03	3.023E-01	1.346E+02	5.887E+01	4.842E+00	2.408E+00	4.715E+01	3.722E+01	1.174E+00
4.000E+03	2.863E-01	1.461E+02	6.011E+01	4.981E+00	2.479E+00	5.036E+01	3.944E+01	1.177E+00
4.100E+03	2.711E-01	1.589E+02	6.138E+01	5.126E+00	2.554E+00	5.298E+01	4.11CE+01	1.18CE+00
4.200E+03	2.566E-01	1.722E+02	6.268E+01	5.277E+00	2.634E+00	5.474E+01	4.214E+01	1.184E+00
4.300E+03	2.432E-01	1.859E+02	6.398E+01	5.422E+00	2.715E+00	5.555E+01	4.249E+01	1.189E+00
4.400E+03	2.307E-01	1.994E+02	6.526E+01	5.599E+00	2.797E+00	5.533E+01	4.211E+01	1.194E+00
4.500E+03	2.193E-01	2.129E+02	6.649E+01	5.747E+00	2.877E+00	5.409E+01	4.102E+01	1.200E+00
4.600E+03	2.049E-01	2.260E+02	6.766E+01	5.904E+00	2.954E+00	5.196E+01	3.932E+01	1.207E+00
4.700E+03	1.996E-01	2.395E+02	6.874E+01	6.056E+00	3.029E+00	4.912E+01	3.716E+01	1.214E+00
4.800E+03	1.913E-01	2.502E+02	6.974E+01	6.208E+00	3.092E+00	4.590E+01	3.469E+01	1.222E+00
4.900E+03	1.838E-01	2.610E+02	7.065E+01	6.354E+00	3.151E+00	4.246E+01	3.211E+01	1.230E+00
5.000E+03	1.772E-01	2.711E+02	7.148E+01	6.496E+00	3.205E+00	3.912E+01	2.957E+01	1.228E+00
5.100E+03	1.695E-01	2.808E+02	7.209E+01	6.757E+00	3.293E+00	3.319E+01	2.999E+01	1.225E+00
5.200E+03	1.619E-01	3.040E+02	7.405E+01	6.992E+00	3.360E+00	2.890E+01	2.186E+01	1.268E+00
5.300E+03	1.545E-01	3.179E+02	7.505E+01	7.194E+00	3.413E+00	2.635E+01	2.000E+01	1.274E+00
5.400E+03	1.474E-01	3.302E+02	7.595E+01	7.363E+00	3.455E+00	2.574E+01	1.937E+01	1.273E+00
5.500E+03	1.405E-01	3.425E+02	7.681E+01	7.508E+00	3.493E+00	2.595E+01	1.971E+01	1.265E+00
5.600E+03	1.339E-01	3.547E+02	7.766E+01	7.639E+00	3.528E+00	2.660E+01	2.079E+01	1.259E+00
5.700E+03	1.278E-01	3.674E+02	7.844E+01	7.767E+00	3.563E+00	2.641E+01	2.233E+01	1.249E+00
5.800E+03	1.224E-01	3.801E+02	7.944E+01	7.900E+00	3.600E+00	3.046E+01	2.407E+01	1.236E+00
5.900E+03	1.174E-01	3.921E+02	8.038E+01	8.042E+00	3.638E+00	3.241E+01	2.574E+01	1.230E+00
6.000E+03	1.126E-01	4.039E+02	8.134E+01	8.194E+00	3.679E+00	3.405E+01	2.709E+01	1.227E+00
6.100E+03	1.080E-01	4.159E+02	8.232E+01	8.357E+00	3.721E+00	3.496E+01	2.774E+01	1.227E+00
6.200E+03	1.030E-01	4.278E+02	8.328E+01	8.531E+00	3.763E+00	3.595E+01	2.847E+01	1.227E+00
6.300E+03	9.822E-02	4.408E+02	8.420E+01	8.715E+00	3.803E+00	3.697E+01	2.979E+01	1.236E+00
6.400E+03	9.477E-02	4.532E+02	8.506E+01	8.904E+00	3.841E+00	3.813E+01	3.118E+01	1.246E+00
6.500E+03	9.160E-02	4.654E+02	8.594E+01	9.108E+00	3.870E+00	3.971E+01	3.208E+01	1.259E+00
6.600E+03	8.871E-02	4.771E+02	8.683E+01	9.313E+00	3.903E+00	4.106E+01	3.291E+01	1.276E+00
6.700E+03	8.607E-02	4.891E+02	8.771E+01	9.526E+00	3.946E+00	4.235E+01	3.371E+01	1.273E+00
6.800E+03	8.346E-02	5.012E+02	8.877E+01	9.734E+00	3.986E+00	4.369E+01	3.452E+01	1.271E+00
6.900E+03	8.104E-02	5.131E+02	9.011E+01	9.946E+00	4.026E+00	4.505E+01	3.527E+01	1.269E+00
7.000E+03	7.874E-02	5.251						

TABLE I.- Continued

T	RHO/U(44)-J	H/HTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+03	7.934E-02	5.57CE+02	8.465E+01	1.012E+01	3.976E+00	1.929E+01	1.420E+01	1.344E+00
9.200E+03	7.739E-02	5.663E+02	8.907E+01	1.028E+01	3.987E+00	1.847E+01	1.351E+01	1.354E+00
9.400E+03	7.556E-02	5.753E+02	8.946E+01	1.043E+01	3.997E+00	1.804E+01	1.316E+01	1.361E+00
9.600E+03	7.382E-02	5.841E+02	8.984E+01	1.055E+01	4.006E+00	1.794E+01	1.309E+01	1.361E+00
9.800E+03	7.216E-02	5.930E+02	9.021E+01	1.065E+01	4.015E+00	1.812E+01	1.324E+01	1.358E+00
1.000E+04	7.056E-02	6.020E+02	9.058E+01	1.075E+01	4.023E+00	1.834E+01	1.351E+01	1.351E+00
1.100E+04	6.533E-02	6.529E+02	9.254E+01	1.112E+01	4.075E+00	1.782E+01	1.299E+00	1.225E+00
1.200E+04	5.687E-02	7.205E+02	9.492E+01	1.154E+01	4.160E+00	3.210E+01	2.510E+01	1.254E+00
1.300E+04	5.083E-02	8.143E+02	9.796E+01	1.207E+01	4.297E+00	4.453E+01	3.507E+01	1.227E+00
1.400E+04	4.535E-02	9.430E+02	1.010E+02	1.275E+01	4.502E+00	6.039E+01	4.710E+01	1.213E+00
1.500E+04	3.954E-02	1.114E+03	1.066E+02	1.358E+01	4.787E+00	7.839E+01	6.016E+01	1.209E+00
1.600E+04	3.442E-02	1.329E+03	1.122E+02	1.456E+01	5.155E+00	9.565E+01	7.101E+01	1.209E+00
1.700E+04	2.948E-02	1.581E+03	1.184E+02	1.566E+01	5.588E+00	1.078E+02	7.937E+01	1.214E+00
1.800E+04	2.406E-02	1.453E+03	1.247E+02	1.684E+01	6.051E+00	1.108E+02	8.895E+01	1.225E+00
1.900E+04	2.331E-02	2.119E+03	1.304E+02	1.804E+01	6.495E+00	1.038E+02	7.495E+01	1.240E+00
2.000E+04	2.064E-02	2.359E+03	1.355E+02	1.921E+01	6.878E+00	8.979E+01	6.471E+01	1.261E+00
2.100E+04	1.882E-02	2.561E+03	1.395E+02	2.033E+01	7.182E+00	7.386E+01	5.303E+01	1.289E+00
2.200E+04	1.742E-02	2.725E+03	1.426E+02	2.140E+01	7.409E+00	5.966E+01	4.249E+01	1.321E+00
2.300E+04	1.610E-02	2.858E+03	1.450E+02	2.241E+01	7.572E+00	4.882E+01	3.632E+01	1.357E+00
2.400E+04	1.517E-02	2.956E+03	1.484E+02	2.335E+01	7.688E+00	4.140E+01	2.871E+01	1.390E+00
2.500E+04	1.461E-02	3.064E+03	1.513E+02	2.418E+01	7.774E+00	3.698E+01	2.545E+01	1.413E+00
2.600E+04	1.393E-02	3.153E+03	1.549E+02	2.500E+01	7.839E+00	3.514E+01	2.418E+01	1.419E+00
2.700E+04	1.332E-02	3.239E+03	1.513E+02	2.525E+01	7.895E+00	3.557E+01	2.476E+01	1.407E+00
2.800E+04	1.276E-02	3.330E+03	1.526E+02	2.556E+01	7.946E+00	3.607E+01	2.701E+01	1.381E+00
2.900E+04	1.223E-02	3.429E+03	1.546E+02	2.612E+01	8.006E+00	4.237E+01	3.067E+01	1.372E+00
3.000E+04	1.172E-02	3.546E+03	1.555E+02	2.684E+01	8.071E+00	4.781E+01	3.523E+01	1.325E+00
3.100E+04	1.124E-02	3.665E+03	1.572E+02	2.752E+01	8.148E+00	5.355E+01	3.991E+01	1.306E+00
3.200E+04	1.077E-02	3.803E+03	1.590E+02	2.819E+01	8.234E+00	5.842E+01	4.377E+01	1.299E+00
3.300E+04	1.033E-02	3.951E+03	1.608E+02	2.874E+01	8.328E+00	6.140E+01	4.604E+01	1.292E+00
3.400E+04	9.911E-03	4.104E+03	1.627E+02	2.907E+01	8.424E+00	6.199E+01	4.835E+01	1.294E+00
3.500E+04	9.525E-03	4.259E+03	1.644E+02	2.973E+01	8.517E+00	6.032E+01	4.488E+01	1.302E+00
3.600E+04	9.167E-03	4.400E+03	1.661E+02	3.042E+01	8.603E+00	5.704E+01	4.211E+01	1.315E+00
3.700E+04	8.841E-03	4.538E+03	1.676E+02	3.014E+01	8.678E+00	5.299E+01	3.876E+01	1.331E+00
3.800E+04	8.545E-03	4.671E+03	1.689E+02	3.084E+01	8.742E+00	4.894E+01	3.544E+01	1.349E+00
3.900E+04	8.275E-03	4.777E+03	1.702E+02	3.154E+01	8.797E+00	4.343E+01	3.240E+01	1.364E+00
4.000E+04	8.026E-03	4.886E+03	1.713E+02	3.220E+01	8.842E+00	4.282E+01	3.050E+01	1.379E+00
4.100E+04	7.796E-03	4.990E+03	1.723E+02	3.276E+01	8.882E+00	4.127E+01	2.929E+01	1.387E+00
4.200E+04	7.559E-03	5.091E+03	1.733E+02	3.329E+01	8.917E+00	4.064E+01	2.905E+01	1.387E+00
4.300E+04	7.376E-03	5.192E+03	1.743E+02	3.359E+01	8.950E+00	4.156E+01	2.972E+01	1.379E+00
4.400E+04	7.187E-03	5.296E+03	1.753E+02	3.387E+01	8.984E+00	4.338E+01	3.132E+01	1.366E+00
4.500E+04	6.995E-03	5.407E+03	1.763E+02	3.411E+01	9.019E+00	4.621E+01	3.376E+01	1.349E+00
4.600E+04	6.814E-03	5.525E+03	1.773E+02	3.433E+01	9.058E+00	4.984E+01	3.609E+01	1.331E+00
4.700E+04	6.637E-03	5.653E+03	1.783E+02	3.457E+01	9.101E+00	5.417E+01	4.047E+01	1.315E+00
4.800E+04	6.464E-03	5.792E+03	1.796E+02	3.485E+01	9.150E+00	5.870E+01	4.421E+01	1.301E+00
4.900E+04	6.294E-03	5.943E+03	1.809E+02	3.519E+01	9.204E+00	6.105E+01	4.775E+01	1.291E+00
5.000E+04	6.129E-03	6.103E+03	1.822E+02	3.556E+01	9.264E+00	6.679E+01	5.075E+01	1.284E+00

P/P0 = 8.00E+00

T	RHO/RHO-0	H/HTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	4.368E+00	7.926E-01	3.020E+01	1.264E+00	3.370E+01	2.522E+01	1.108E+00	
6.000E+02	2.932E+00	7.638E+00	3.547E+01	1.709E+00	1.844E+00	2.046E+01	1.547E+01	1.241E+00
7.000E+02	3.655E+00	1.139E+01	3.771E+01	1.943E+00	1.959E+00	1.046E+01	7.793E+00	1.321E+00
8.000E+02	2.414E+00	1.380E+01	3.897E+01	2.166E+00	1.987E+00	8.096E+00	9.307E+00	1.362E+00
9.000E+02	1.807E+00	1.553E+01	3.984E+01	2.297E+00	2.009E+00	7.590E+00	9.523E+00	1.371E+00
1.000E+03	1.624E+00	1.738E+01	4.063E+01	2.411E+00	1.998E+00	7.504E+00	9.787E+00	1.363E+00
1.100E+03	1.470E+00	1.924E+01	4.135E+01	2.524E+00	1.999E+00	7.541E+00	9.520E+00	1.357E+00
1.200E+03	1.332E+00	2.111E+01	4.201E+01	2.631E+00	1.999E+00	7.614E+00	9.607E+00	1.351E+00
1.300E+03	1.246E+00	2.301E+01	4.262E+01	2.733E+00	2.000E+00	7.701E+00	9.790E+00	1.346E+00
1.400E+03	1.157E+00	2.492E+01	4.320E+01	2.803E+00	2.000E+00	7.792E+00	9.982E+00	1.340E+00
1.500E+03	1.062E+00	2.686E+01	4.374E+01	2.923E+00	2.000E+00	7.866E+00	1.018E+00	1.335E+00
1.600E+03	9.745E+00	2.882E+01	4.426E+01	3.013E+00	2.000E+00	7.976E+00	9.974E+00	1.329E+00
1.700E+03	9.545E+00	3.081E+01	4.474E+01	3.100E+00	2.000E+00	8.071E+00	6.049E+00	1.325E+00
1.800E+03	9.012E+00	3.282E+01	4.521E+01	3.184E+00	2.000E+00	8.177E+00	6.172E+00	1.325E+00
1.900E+03	8.537E+00	3.486E+01	4.566E+01	3.264E+00	2.000E+00	8.298E+00	6.290E+00	1.319E+00
2.000E+03	8.109E+00	3.693E+01	4.609E+01	3.341E+00	2.000E+00	8.402E+00	6.413E+00	1.313E+00
2.100E+03	7.772E+00	3.905E+01	4.651E+01	3.415E+00	2.000E+00	8.502E+00	6.526E+00	1.297E+00
2.200E+03	7.386E+00	4.122E+01	4.692E+01	3.484E+00	2.002E+00	8.621E+00	6.637E+00	1.286E+00
2.300E+03	7.036E+00	4.348E+01	4.733E+01	3.549E+00	2.003E+00	8.746E+00	7.067E+00	1.275E+00
2.400E+03	6.743E+00	4.584E+01	4.774E+01	3.611E+00	2.005E+00	8.856E+00	7.651E+00	1.262E+00
2.500E+03	6.464E+00	4.834E+01	4.815E+01	3.670E+00	2.008E+00	8.965E+00	8.224E+00	1.262E+00
2.600E+03	6.203E+00	5.092E+01	4.858E+01	3.720E+00	2.012E+00	9.074E+00	8.824E+00	1.249E+00
2.700E+03	5.957E+00	5.392E+01	4.902E+01	3.782E+00	2.017E+00	9.184E+00	9.424E+00	1.234E+00
2.800E+03	5.772E+00	5.710E+01	4.949E+01	3.839E+00	2.023E+00	9.295E+00	1.009E+01	1.223E+00
2.900E+03	5.549E+00	6.046E+01	4.993E+01	3.900E+00	2.035E+00	9.395E+00	1.030E+01	1.211E+00
3.000E+03	5.281E+00	6.459E+01	5.058E+01	3.961E+00	2.048E+00	9.495E+00	1.060E+01	1.201E+00
3.100E+03	5.019E+00	6.903E+01	5.113E+01	4.028E+00	2.063E+00	9.593E+00	1.071E+01	1.190E+00
3.200E+03	4.802E+00	7.404E+01	5.178E+01	4.101E+00	2.083E+00	9.694E+00	2.149E+01	1.181E+00
3.300E+03	4.659E+00	7.989E+01	5.248E+01	4.180E+00	2.110E+00	9.794E+00	2.428E+01	1.180E+00

TABLE I.- Continued

T	RH/RHU=0	H/RTU	S/R	A/A0	L	CP/R	CV/R	GAMMA
3.400E+33	4.45E-01	8.607E+01	5.326E+01	4.267E+00	2.141E+00	2.736E+01	2.253E+01	1.177E+00
3.500E+33	4.259E-01	5.324E+01	5.410E+01	4.361E+00	2.177E+00	3.072E+01	2.516E+01	1.174E+00
3.600E+33	4.062E-01	1.013E+02	5.502E+01	4.463E+00	2.219E+00	3.428E+01	2.790E+01	1.173E+00
3.700E+33	3.867E-01	1.102E+02	5.601E+01	4.573E+00	2.267E+00	3.798E+01	3.046E+01	1.173E+00
3.800E+33	3.676E-01	1.200E+02	5.707E+01	4.682E+00	2.322E+00	4.168E+01	3.324E+01	1.174E+00
3.900E+33	3.490E-01	1.300E+02	5.821E+01	4.819E+00	2.384E+00	4.524E+01	3.585E+01	1.175E+00
4.000E+33	3.309E-01	1.423E+02	5.939E+01	4.954E+00	2.451E+00	4.849E+01	3.806E+01	1.176E+00
4.100E+33	3.136E-01	1.546E+02	6.063E+01	5.096E+00	2.524E+00	5.123E+01	3.984E+01	1.181E+00
4.200E+33	2.971E-01	1.675E+02	6.189E+01	5.243E+00	2.600E+00	5.327E+01	4.108E+01	1.184E+00
4.300E+33	2.816E-01	1.808E+02	6.316E+01	5.396E+00	2.679E+00	5.446E+01	4.170E+01	1.189E+00
4.400E+33	2.672E-01	1.943E+02	6.441E+01	5.551E+00	2.760E+00	5.468E+01	4.163E+01	1.194E+00
4.500E+33	2.540E-01	2.077E+02	6.563E+01	5.707E+00	2.839E+00	5.393E+01	4.089E+01	1.199E+00
4.600E+33	2.419E-01	2.208E+02	6.680E+01	5.863E+00	2.918E+00	5.228E+01	3.953E+01	1.205E+00
4.700E+33	2.310E-01	2.334E+02	6.790E+01	6.017E+00	2.989E+00	4.989E+01	3.767E+01	1.212E+00
4.800E+33	2.211E-01	2.453E+02	6.892E+01	6.167E+00	3.057E+00	4.698E+01	3.544E+01	1.220E+00
4.900E+33	2.123E-01	2.565E+02	6.986E+01	6.314E+00	3.119E+00	4.378E+01	3.303E+01	1.227E+00
5.000E+33	2.044E-01	2.686E+02	7.071E+01	6.456E+00	3.174E+00	4.052E+01	3.057E+01	1.235E+00
5.200E+33	1.939E-01	2.853E+02	7.217E+01	6.723E+00	3.268E+00	3.454E+01	2.607E+01	1.251E+00
5.400E+33	1.799E-01	3.011E+02	7.338E+01	6.944E+00	3.340E+00	2.997E+01	2.264E+01	1.265E+00
5.600E+33	1.736E-01	3.150E+02	7.441E+01	7.173E+00	3.397E+00	2.706E+01	2.050E+01	1.273E+00
5.800E+33	1.625E-01	3.280E+02	7.533E+01	7.351E+00	3.442E+00	2.569E+01	1.950E+01	1.273E+00
6.000E+33	1.553E-01	3.405E+02	7.620E+01	7.502E+00	3.481E+00	2.558E+01	1.966E+01	1.268E+00
6.200E+33	1.484E-01	3.533E+02	7.705E+01	7.637E+00	3.517E+00	2.643E+01	2.051E+01	1.250E+00
6.400E+33	1.427E-01	3.667E+02	7.791E+01	7.767E+00	3.552E+00	2.795E+01	2.188E+01	1.244E+00
6.600E+33	1.370E-01	3.809E+02	7.880E+01	7.999E+00	3.589E+00	2.983E+01	2.352E+01	1.239E+00
6.800E+33	1.316E-01	3.941E+02	7.972E+01	8.038E+00	3.627E+00	3.176E+01	2.515E+01	1.233E+00
7.000E+33	1.264E-01	4.122E+02	8.066E+01	8.188E+00	3.666E+00	3.342E+01	2.682E+01	1.228E+00
7.200E+33	1.215E-01	4.298E+02	8.162E+01	8.347E+00	3.708E+00	3.451E+01	2.738E+01	1.228E+00
7.400E+33	1.169E-01	4.461E+02	8.257E+01	8.517E+00	3.749E+00	3.477E+01	2.753E+01	1.230E+00
7.600E+33	1.126E-01	4.631E+02	8.349E+01	8.677E+00	3.790E+00	3.410E+01	2.689E+01	1.234E+00
7.800E+33	1.087E-01	4.795E+02	4.436E+01	8.846E+00	3.828E+00	3.255E+01	2.555E+01	1.244E+00
8.000E+33	1.050E-01	4.951E+02	6.515E+01	9.044E+00	3.462E+00	3.055E+01	2.362E+01	1.256E+00
8.200E+33	1.016E-01	5.094E+02	6.587E+01	9.287E+00	3.892E+00	2.707F+01	2.149E+01	1.271E+00
8.400E+33	9.858E-02	5.225E+02	6.651E+01	9.495E+00	3.918E+00	2.529E+01	1.920E+01	1.289E+00
8.600E+33	9.578E-02	5.346E+02	6.708E+01	9.702E+00	3.959E+00	2.391E+01	1.734E+01	1.307E+00
8.800E+33	9.319E-02	5.453E+02	6.759E+01	9.904E+00	3.956E+00	2.114E+01	1.575E+01	1.325E+00
9.000E+33	9.079E-02	5.553E+02	8.050E+01	1.009E+01	3.970E+00	1.973E+01	1.456E+01	1.341E+00
9.200E+33	8.655E-02	5.644E+02	8.047E+01	1.026E+01	3.982E+00	1.876E+01	1.374E+01	1.353E+00
9.400E+33	8.644E-02	5.739E+02	8.046E+01	1.042E+01	3.993E+00	1.820F+01	1.327E+01	1.360E+00
9.600E+33	8.445E-02	5.828E+02	6.924E+01	1.055E+01	4.002E+00	1.797E+01	1.310E+01	1.362E+00
9.800E+33	8.254E-02	5.917E+02	6.962E+01	1.066E+01	4.011E+00	1.804E+01	1.317E+01	1.360E+00
1.000E+34	8.072E-02	6.006E+02	6.998E+01	1.074E+01	4.019E+00	1.835E+01	1.346E+01	1.354E+00
1.100E+34	7.268E-02	6.504E+02	9.190E+01	1.114E+01	4.070E+00	2.270E+01	1.722E+01	1.305E+00
1.200E+34	6.516E-02	7.156E+02	9.420E+01	1.155E+01	4.149E+00	3.081E+01	2.400E+01	1.260E+00
1.300E+34	5.835E-02	8.052E+02	9.710E+01	1.206E+01	4.277E+00	4.246E+01	3.340E+01	1.231E+00
1.400E+34	5.187E-02	9.277E+02	1.008E+02	1.272E+01	4.470E+00	5.743E+01	4.690E+01	1.216E+00
1.500E+34	4.565E-02	1.090E+03	1.053E+02	1.352E+01	4.738E+00	7.646E+01	5.740E+01	1.210E+00
1.600E+34	3.977E-02	1.296E+03	1.107E+02	1.447E+01	5.086E+00	9.163E+01	6.897E+01	1.210E+00
1.700E+34	3.464E-02	1.539E+03	1.167E+02	1.554E+01	5.501E+00	1.045E+02	7.708E+01	1.214E+00
1.800E+34	3.028E-02	1.804E+03	1.228E+02	1.670E+01	5.952E+00	1.093E+02	7.964E+01	1.274E+00
1.900E+34	2.611E-02	2.069E+03	1.286E+02	1.788E+01	6.394E+00	1.046E+02	7.534E+01	1.238E+00
2.000E+34	2.301E-02	2.313E+03	1.337E+02	1.905E+01	6.785E+00	9.212F+01	6.629E+01	1.258E+00
2.100E+34	2.175E-02	2.521E+03	1.378E+02	2.017E+01	7.102E+00	6.692E+01	5.518E+01	1.283E+00
2.200E+34	2.038E-02	2.693E+03	1.411E+02	2.146E+01	7.344E+00	6.267E+01	4.465E+01	1.314E+00
2.300E+34	1.876E-02	2.853E+03	1.436E+02	2.227E+01	7.521E+00	5.131E+01	3.614E+01	1.348E+00
2.400E+34	1.767E-02	2.949E+03	1.456E+02	2.322E+01	7.646E+00	4.725E+01	3.007E+01	1.382E+00
2.500E+34	1.676E-02	3.146E+03	1.474E+02	2.406E+01	7.742E+00	3.818E+01	2.628E+01	1.407E+00
2.600E+34	1.597E-02	3.139E+03	1.487E+02	2.475E+01	7.813E+00	3.578E+01	2.453E+01	1.418E+00
2.700E+34	1.527E-02	3.226E+03	1.500E+02	2.525E+01	7.872E+00	3.550E+01	2.460E+01	1.417E+00
2.800E+34	1.462E-02	3.316E+03	1.513E+02	2.560E+01	7.926E+00	3.735E+01	2.632E+01	1.389E+00
2.900E+34	1.404E-02	3.412E+03	1.527E+02	2.584E+01	7.982E+00	4.100E+01	2.949E+01	1.311E+00
3.000E+34	1.346E-02	3.519E+03	1.542E+02	2.616E+01	8.046E+00	4.598E+01	3.368E+01	1.334E+00
3.100E+34	1.289E-02	3.639E+03	1.558E+02	2.650E+01	8.118E+00	5.154F+01	3.822E+01	1.313E+00
3.200E+34	1.236E-02	3.773E+03	1.575E+02	2.693E+01	8.201E+00	5.659E+01	4.226E+01	1.300F+00
3.300E+34	1.186E-02	3.917E+03	1.593E+02	2.744E+01	8.292E+00	6.012E+01	4.499E+01	1.294E+00
3.400E+34	1.136E-02	4.068E+03	1.611E+02	2.802E+01	8.387E+00	6.494E+01	4.594E+01	1.295E+00
3.500E+34	1.093E-02	4.219E+03	1.629E+02	2.865E+01	8.480E+00	6.061F+01	4.5CBE+01	1.301E+00
3.600E+34	1.052E-02	4.365E+03	1.646E+02	2.933E+01	8.567E+00	5.794E+01	4.282E+01	1.312E+00
3.700E+34	1.014E-02	4.503E+03	1.661E+02	3.003E+01	8.644E+00	5.425E+01	3.975E+01	1.327E+00
3.800E+34	9.798E-03	4.632E+03	1.675E+02	3.075E+01	8.714E+00	5.029E+01	3.631E+01	1.349E+00
3.900E+34	9.494E-03	4.752E+03	1.684E+02	3.145E+01	8.771E+00	4.667E+01	3.357E+01	1.360E+00
4.000E+34	9.196E-03	4.863E+03	1.699E+02	3.211E+01	8.820E+00	4.379E+01	3.125E+01	1.375E+00
4.100E+34	8.929E-03	4.969E+03	1.710E+02	3.270E+01	8.862E+00	4.187E+01	2.973E+01	1.385E+00
4.200E+34	8.680E-03	5.070E+03	1.720E+02	3.320E+01	8.939E+00	4.102E+01	2.911E+01	1.388E+00
4.300E+34	8.446E-03	5.172E+03	1.729E+02	3.361E+01	8.933E+00	4.126E+01	2.940E+01	1.383E+00
4.400E+34	8.223E-03	5.275E+03	1.739E+02	3.392E+01	8.967E+00	4.259E+01	3.059E+01	1.372E+00
4.500E+34	8.010E-03	5.383E+03	1.749E+02	3.418E+01	9.001E+00	4.492E+01	3.243E+01	1.357E+00
4.600E+34	7.804E-03	5.497E+03	1.759E+02	3.461E+01	9.038E+00	4.815E+01	3.530E+01	1.340E+00
4.700E+34	7.603E-03	5.621E+03	1.779E+02	3.464E+01	9.079E+00	5.207E+01	3.867E+01	1.323E+00
4.800E+34	7.407E-03	5.754E+03	1.781E+02	3.491E+01	9.125E+00	5.637E+01	4.224E+01	1.305E+00
4.900E+34	7.215E-03	5.899E+03	1.793E+02	3.521E+01	9.177E+00	6.069E+01	4.577E+01	1.297E+00
5.000E+34	7.028E-03	6.053E+03	1.804E+02	3.557E+01	9.233F+00	6.461E+01	4.894E+01	1.289E+00

TABLE I. - Continued

P/PO = 9.00E+00

T	RHO/KHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.00E+32	4.487E+00	4.249E-01	2.976E+01	1.359E+00	1.466E+00	3.312E+01	2.400E+01	1.187E+00
6.00E+32	3.325E+30	7.606E+00	3.510E+01	1.700E+00	1.829E+00	2.135E+01	1.610E+01	1.238E+00
7.00E+32	2.667E+30	1.131E+01	3.744E+01	1.957E+00	1.955E+00	1.000E+01	8.029E+00	1.316E+00
8.00E+32	2.238E+30	1.358E+01	3.867E+01	2.143E+00	1.986E+00	8.203E+00	5.989E+00	1.304E+00
9.00E+32	2.034E+00	1.551E+01	3.960E+01	2.286E+00	1.996E+00	7.626E+00	5.750E+00	1.370E+00
1.00E+33	1.827E+00	1.730E+01	4.039E+01	2.410E+00	1.997E+00	7.520E+00	5.489E+00	1.368E+00
1.10E+33	1.666E+00	1.924E+01	4.111E+01	2.524E+00	1.999E+00	7.567E+00	5.332E+00	1.349E+00
1.20E+33	1.521E+00	2.111E+01	4.177E+01	2.631E+00	1.999E+00	7.618E+00	5.609E+00	1.357E+00
1.30E+33	1.404E+00	2.300E+01	4.239E+01	2.733E+00	1.999E+00	7.703E+00	5.658E+00	1.351E+00
1.40E+33	1.304E+00	2.496E+01	2.830E+00	2.000E+00	2.000E+00	7.793E+00	5.750E+00	1.346E+00
1.530E+33	1.217E+00	2.686E+01	4.351E+01	2.923E+00	2.000E+00	7.884E+00	5.882E+00	1.340E+00
1.630E+33	1.141E+00	2.882E+01	4.402E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.730E+33	1.074E+00	3.081E+01	4.451E+01	3.100E+00	2.000E+00	8.070E+00	6.068E+00	1.330E+00
1.800E+33	1.014E+00	3.282E+01	4.498E+01	3.184E+00	2.000E+00	8.173E+00	6.169E+00	1.325E+00
1.900E+33	9.056E-01	3.485E+01	4.542E+01	3.264E+00	2.000E+00	8.297E+00	6.285E+00	1.319E+00
2.000E+33	9.123E-01	3.693E+01	4.585E+01	3.342E+00	2.000E+00	8.410E+00	6.427E+00	1.313E+00
2.10E+33	8.697E-01	3.904E+01	4.627E+01	3.415E+00	2.001E+00	8.637E+00	6.649E+00	1.306E+00
2.200E+33	8.249E-01	4.121E+01	3.668E+01	3.485E+00	2.092E+00	8.891E+00	6.849E+00	1.298E+00
2.300E+33	7.924E-01	3.436E+01	4.709E+01	3.551E+00	2.003E+00	9.235E+00	7.167E+00	1.288E+00
2.400E+33	7.547E-01	4.580E+01	4.749E+01	3.613E+00	2.005E+00	9.594E+00	7.585E+00	1.276E+00
2.500E+33	7.274E-01	4.828E+01	4.790E+01	3.672E+00	2.007E+00	1.029E+01	6.128E+00	1.264E+00
2.600E+33	6.941E-01	5.092E+01	4.833E+01	3.729E+00	2.011E+00	1.106E+01	6.819E+00	1.251E+00
2.700E+33	6.705E-01	5.378E+01	4.876E+01	3.785E+00	2.016E+00	1.204E+01	9.682E+00	1.238E+00
2.800E+33	6.442E-01	5.691E+01	4.923E+01	3.842E+00	2.023E+00	1.324E+01	1.076E+01	1.226E+00
2.900E+33	6.191E-01	6.036E+01	4.972E+01	3.900E+00	2.033E+00	1.469E+01	1.200E+01	1.214E+00
3.000E+33	5.949E-01	6.421E+01	5.025E+01	3.962E+00	2.045E+00	1.642E+01	1.349E+01	1.204E+00
3.100E+33	5.713E-01	6.853E+01	5.084E+01	4.029E+00	2.061E+00	1.845E+01	1.21E+01	1.195E+00
3.200E+33	5.483E-01	7.338E+01	5.145E+01	4.100E+00	2.080E+00	2.078E+01	1.716E+01	1.188E+00
3.300E+33	5.257E-01	7.884E+01	5.213E+01	4.178E+00	2.104E+00	2.342E+01	1.933E+01	1.783E+00
3.400E+33	5.033E-01	8.459E+01	5.284E+01	4.262E+00	2.133E+00	2.619E+01	2.169E+01	1.779E+00
3.500E+33	4.813E-01	5.189E+01	5.369E+01	4.354E+00	2.167E+00	2.954E+01	2.421E+01	1.76E+00
3.600E+33	4.559E-01	9.961E+01	5.457E+01	4.454E+00	2.207E+00	3.299E+01	2.663E+01	1.746E+00
3.700E+33	4.379E-01	1.002E+02	5.552E+01	4.551E+00	2.253E+00	3.650E+01	2.950E+01	1.74E+00
3.830E+33	4.167E-01	1.176E+02	5.655E+01	4.677E+00	2.305E+00	4.009E+01	3.213E+01	1.735E+00
3.900E+33	3.953E-01	1.280E+02	5.764E+01	4.800E+00	2.364E+00	4.359E+01	3.461E+01	1.736E+00
4.000E+33	3.758E-01	1.391E+02	5.878E+01	4.932E+00	2.428E+00	4.684E+01	3.684E+01	1.738E+00
4.100E+33	3.564E-01	1.510E+02	5.998E+01	5.070E+00	2.498E+00	4.967E+01	3.870E+01	1.741E+00
4.200E+33	3.379E-01	1.636E+02	6.120E+01	5.215E+00	2.572E+00	5.190E+01	4.009E+01	1.744E+00
4.300E+33	3.205E-01	1.766E+02	6.244E+01	5.364E+00	2.649E+00	5.336E+01	4.091E+01	1.748E+00
4.400E+33	3.042E-01	1.898E+02	6.368E+01	5.517E+00	2.727E+00	5.394E+01	4.110E+01	1.749E+00
4.500E+33	2.891E-01	2.031E+02	6.484E+01	5.672E+00	2.806E+00	5.360E+01	4.064E+01	1.749E+00
4.600E+33	2.753E-01	2.161E+02	6.605E+01	5.826E+00	2.882E+00	5.236E+01	3.958E+01	1.204E+00
4.700E+33	2.627E-01	2.288E+02	6.716E+01	5.980E+00	2.956E+00	5.036E+01	3.758E+01	1.211E+00
4.800E+33	2.514E-01	2.409E+02	6.819E+01	6.131E+00	3.025E+00	4.776E+01	3.599E+01	1.218E+00
4.900E+33	2.412E-01	2.523E+02	6.914E+01	6.279E+00	3.089E+00	4.480E+01	3.375E+01	1.225E+00
5.000E+33	2.320E-01	2.624E+02	7.001E+01	6.422E+00	3.147E+00	4.169E+01	3.140E+01	1.233E+00
5.200E+33	2.163E-01	2.819E+02	7.153E+01	6.692E+00	3.245E+00	3.574E+01	2.654E+01	1.249E+00
5.400E+33	2.035E-01	2.983E+02	7.278E+01	6.938E+00	3.321E+00	3.097E+01	2.336E+01	1.262E+00
5.600E+33	1.920E-01	3.127E+02	7.384E+01	7.153E+00	3.381E+00	2.777E+01	2.100E+01	1.271E+00
5.800E+33	1.655E-01	3.259E+02	7.476E+01	7.338E+00	3.429E+00	2.608E+01	1.983E+01	1.274E+00
6.000E+33	1.753E-01	3.386E+02	7.566E+01	7.495E+00	3.670E+00	2.568E+01	1.988E+01	1.269E+00
6.200E+33	1.679E-01	3.513E+02	7.650E+01	7.634E+00	3.907E+00	2.628E+01	2.033E+01	1.261E+00
6.400E+33	1.611E-01	3.644E+02	7.730E+01	7.766E+00	3.953E+00	2.759E+01	2.154E+01	1.271E+00
6.600E+33	1.545E-01	3.786E+02	7.823E+01	7.897E+00	3.992E+00	2.893E+01	2.306E+01	1.242E+00
6.800E+33	1.484E-01	3.935E+02	7.913E+01	8.039E+00	3.616E+00	3.120E+01	2.465E+01	1.235E+00
7.000E+33	1.426E-01	4.093E+02	8.006E+01	8.182E+00	3.655E+00	3.288E+01	2.605E+01	1.231E+00
7.200E+33	1.372E+00	4.259E+02	8.111E+01	8.316E+00	3.696E+00	3.408E+01	2.701E+01	1.229E+00
7.400E+33	1.322E+00	4.420E+02	8.195E+01	8.506E+00	3.737E+00	3.455E+01	2.733E+01	1.231E+00
7.600E+33	1.271E+00	4.597E+02	8.287E+01	8.683E+00	3.777E+00	3.413E+01	2.691E+01	1.235E+00
7.800E+33	1.226E+00	4.763E+02	8.374E+01	8.849E+00	3.817E+00	3.285E+01	2.577E+01	1.243E+00
8.000E+33	1.184E+00	4.920E+02	8.455E+01	9.026E+00	3.852E+00	3.086E+01	2.404E+01	1.234E+00
8.200E+33	1.146E+00	5.066E+02	8.524E+01	9.230E+00	3.883E+00	2.846E+01	2.198E+01	1.248E+00
8.400E+33	1.111E+00	5.201E+02	8.593E+01	9.488E+00	3.910E+00	2.596E+01	1.958E+01	1.248E+00
8.600E+33	1.079E+00	5.323E+02	8.652E+01	9.675E+00	3.932E+00	2.365E+01	1.788E+01	1.302E+00
8.800E+33	1.050E+00	5.434E+02	8.706E+01	9.877E+00	3.950E+00	2.169E+01	1.621E+01	1.320E+00
9.000E+33	1.023E+00	5.537E+02	8.751E+01	1.007E+01	3.965E+00	2.016E+01	1.491E+01	1.337E+00
9.200E+33	9.973E+02	5.634E+02	8.794E+01	1.025E+01	3.978E+00	1.907E+01	1.399E+01	1.353E+00
9.400E+33	9.734E+02	5.726E+02	8.834E+01	1.040E+01	3.989E+00	1.838E+01	1.342E+01	1.358E+00
9.600E+33	9.509E+02	5.816E+02	8.872E+01	1.054E+01	3.999E+00	1.804E+01	1.319E+01	1.362E+00
9.800E+33	9.246E+02	5.904E+02	8.909E+01	1.066E+01	4.007E+00	1.800E+01	1.313E+01	1.341E+00
1.000E+34	9.041E+02	5.994E+02	8.946E+01	1.076E+01	4.016E+00	1.822E+01	1.333E+01	1.357E+00
1.100E+34	9.163E+02	6.483E+02	9.135E+01	1.116E+01	4.065E+00	2.213E+01	1.672E+01	1.310E+00
1.200E+34	7.346E+02	7.115E+02	9.357E+01	1.156E+01	4.140E+00	2.973E+01	2.310E+01	1.245E+00
1.300E+34	6.589E+02	7.977E+02	9.636E+01	1.206E+01	4.261E+00	4.074E+01	3.200E+01	1.235E+00
1.400E+34	5.861E+02	9.150E+02	9.986E+01	1.269E+01	4.443E+00	5.496E+01	4.298E+01	1.219E+00
1.500E+34	5.180E+02	1.071E+03	1.062E+02	1.347E+01	4.697E+00	7.147E+01	5.505E+01	1.211F+00
1.600E+34	4.536E+02	1.266E+03	1.094E+02	1.439E+01	5.029E+00	8.814E+01	6.649E+01	1.211E+00
1.700E+34	3.956E+02	1.502E+03	1.157E+02	1.543E+01	5.647E+00	1.014E+02	7.499E+01	1.214E+00
1.800E+34	3.457E+02	1.762E+03	1.212E+02	1.657E+01	6.866E+00	1.075E+02	7.827E+01	1.223E+00
1.900E+34	3.047E+02	2.025E+03	1.269E+02	1.774E+01	6.304E+00	1.045E+02	7.541E+01	1.236E+00
2.000E+34	2.727E+02	2.271E+03	1.321E+02	1.890E+01	6.700E+00	9.384E+01	8.745E+01	1.255E+00

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE I. - Continued

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
2.100E+34	2.473E-02	2.485E+03	1.363E+02	2.003E+01	7.328E+00	7.947E+01	5.694E+01	1.279E+00
2.200E+34	2.278E-02	2.663E+03	1.396E+02	2.111E+01	7.283E+00	6.931E+01	4.693E+01	1.300E+00
2.300E+34	2.124E-02	2.809E+03	1.423E+02	2.213E+01	7.472E+00	5.360E+01	3.708E+01	1.341E+00
2.400E+34	1.978E-02	2.930E+03	1.444E+02	2.310E+01	7.610E+00	4.301E+01	3.135E+01	1.374E+00
2.500E+34	1.893E-02	3.033E+03	1.461E+02	2.398E+01	7.711E+00	3.939E+01	2.714E+01	1.401E+00
2.600E+34	1.803E-02	3.126E+03	1.476E+02	2.469E+01	7.788E+00	3.635E+01	2.496E+01	1.416E+00
2.700E+34	1.722E-02	3.214E+03	1.489E+02	2.523E+01	7.850E+00	3.560E+01	2.458E+01	1.413E+00
2.800E+34	1.649E-02	3.303E+03	1.502E+02	2.582E+01	7.906E+00	3.689E+01	2.585E+01	1.395E+00
2.900E+34	1.561E-02	3.398E+03	1.516E+02	2.592E+01	7.946E+00	3.999E+01	2.658E+01	1.364E+00
3.000E+34	1.516E-02	3.502E+03	1.530E+02	2.620E+01	8.023E+00	4.453E+01	3.261E+01	1.342E+00
3.100E+34	1.455E-02	3.618E+03	1.545E+02	2.653E+01	8.093E+00	4.982E+01	3.677E+01	1.320E+00
3.200E+34	1.376E-02	3.747E+03	1.562E+02	2.693E+01	8.172E+00	5.493E+01	4.088E+01	1.305E+00
3.300E+34	1.339E-02	3.888E+03	1.580E+02	2.742E+01	8.261E+00	5.884E+01	4.394E+01	1.297E+00
3.400E+34	1.285E-02	4.036E+03	1.594E+02	2.797E+01	8.356E+00	6.002E+01	4.539E+01	1.296E+00
3.500E+34	1.235E-02	4.186E+03	1.615E+02	2.859E+01	8.447E+00	6.063E+01	4.508E+01	1.301E+00
3.600E+34	1.134E-02	4.333E+03	1.632E+02	2.929E+01	8.555E+00	6.055E+01	4.329E+01	1.310E+00
3.700E+34	1.145E-02	4.474E+03	1.648E+02	2.994E+01	8.616E+00	5.925E+01	4.054E+01	1.323E+00
3.800E+34	1.106E-02	4.605E+03	1.662E+02	3.065E+01	8.687E+00	5.145E+01	3.762E+01	1.339E+00
3.900E+34	1.170E-02	4.728E+03	1.675E+02	3.135E+01	8.748E+00	4.780E+01	3.444E+01	1.355E+00
4.000E+34	1.103E-02	4.846E+03	1.686E+02	3.202E+01	8.799E+00	4.473E+01	3.197E+01	1.371E+00
4.100E+34	1.037E-02	4.949E+03	1.697E+02	3.264E+01	8.844E+00	4.253E+01	3.022E+01	1.382E+00
4.200E+34	9.784E-03	5.052E+03	1.707E+02	3.317E+01	8.880E+00	4.132E+01	2.930E+01	1.397E+00
4.300E+34	9.519E-03	5.154E+03	1.717E+02	3.361E+01	8.917E+00	4.117E+01	2.926E+01	1.386E+00
4.400E+34	9.267E-03	5.256E+03	1.727E+02	3.395E+01	8.951E+00	4.207E+01	3.010E+01	1.377E+00
4.500E+34	9.027E-03	5.352E+03	1.737E+02	3.423E+01	8.985E+00	4.398E+01	3.170E+01	1.363E+00
4.600E+34	8.796E-03	5.474E+03	1.746E+02	3.447E+01	9.021E+00	4.680E+01	3.419E+01	1.347E+00
4.700E+34	8.571E-03	5.593E+03	1.757E+02	3.471E+01	9.061E+00	5.026E+01	3.72CE+01	1.331E+00
4.800E+34	8.352E-03	5.722E+03	1.768E+02	3.496E+01	9.104E+00	5.441E+01	4.058E+01	1.316E+00
4.900E+34	8.139E-03	5.862E+03	1.779E+02	3.525E+01	9.153E+00	5.863E+01	4.405E+01	1.303E+00
5.000E+34	7.928E-03	6.011E+03	1.791E+02	3.558E+01	9.207E+00	6.267E+01	4.729E+01	1.294E+00

P/P0 = 1.00E+01

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	5.614E+00	1.373E+01	2.937E+01	1.350E+00	1.463E+00	1.232E+01	2.433E+01	1.187E+00
6.000E+02	3.723E+00	7.395E+00	3.474E+01	1.691E+00	1.815E+00	2.213E+01	1.666E+01	1.235E+00
7.000E+02	2.971E+00	1.124E+01	3.719E+01	1.951E+00	1.950E+00	1.114E+01	8.295E+00	1.312E+00
8.000E+02	2.555E+00	1.359E+01	3.845E+01	2.141E+00	1.984E+00	8.307E+00	6.069E+00	1.358E+00
9.000E+02	2.260E+00	1.550E+01	3.930E+01	2.285E+00	1.994E+00	7.661E+00	5.377E+00	1.366E+00
1.000E+03	2.031E+00	1.737E+01	4.018E+01	2.410E+00	1.997E+00	7.334E+00	5.449E+00	1.366E+00
1.100E+03	1.845E+00	1.924E+01	4.096E+01	2.524E+00	1.998E+00	7.554E+00	5.537E+00	1.363E+00
1.200E+03	1.691E+00	2.111E+01	4.156E+01	2.631E+00	1.999E+00	7.621E+00	5.612E+00	1.357E+00
1.300E+03	1.560E+00	2.300E+01	4.218E+01	2.733E+00	1.999E+00	7.705E+00	5.699E+00	1.351E+00
1.400E+03	1.449E+00	2.492E+01	4.275E+01	2.830E+00	2.000E+00	7.794E+00	5.791E+00	1.346E+00
1.500E+03	1.352E+00	2.686E+01	4.330E+01	2.923E+00	2.000E+00	7.885E+00	5.882E+00	1.340E+00
1.600E+03	1.267E+00	2.882E+01	4.381E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.700E+03	1.193E+00	3.080E+01	4.430E+01	3.100E+00	2.000E+00	8.069E+00	6.067E+00	1.330E+00
1.800E+03	1.127E+00	3.281E+01	4.476E+01	3.184E+00	2.000E+00	8.171E+00	6.167E+00	1.325E+00
1.900E+03	1.067E+00	3.485E+01	4.521E+01	3.265E+00	2.000E+00	8.288E+00	6.281E+00	1.319E+00
2.000E+03	1.014E+00	3.682E+01	4.564E+01	3.342E+00	2.000E+00	8.432E+00	6.419E+00	1.313E+00
2.100E+03	9.652E-01	3.930E+01	4.606E+01	3.416E+00	2.001E+00	8.618E+00	6.595E+00	1.306E+00
2.200E+03	9.210E-01	4.120E+01	4.647E+01	3.486E+00	2.001E+00	8.865E+00	6.825E+00	1.298E+00
2.300E+03	8.805E-01	4.304E+01	4.687E+01	3.532E+00	2.003E+00	9.199E+00	7.130E+00	1.287E+00
2.400E+03	8.431E-01	4.577E+01	4.720E+01	3.613E+00	2.004E+00	9.632E+00	7.529E+00	1.278E+00
2.500E+03	8.083E-01	4.823E+01	4.765E+01	3.674E+00	2.007E+00	1.020E+01	8.047E+00	1.266E+00
2.600E+03	7.799E-01	5.030E+01	4.810E+01	3.732E+00	2.010E+00	1.094E+01	8.705E+00	1.253E+00
2.700E+03	7.533E-01	5.367E+01	4.854E+01	3.780E+00	2.015E+00	1.188E+01	9.524E+00	1.240E+00
2.800E+03	7.312E-01	5.747E+01	4.899E+01	3.844E+00	2.022E+00	1.303E+01	1.053E+01	1.222E+00
2.900E+03	7.125E-01	6.130E+01	4.947E+01	3.903E+00	2.031E+00	1.438E+01	1.173E+01	1.214E+00
3.000E+03	6.957E-01	6.513E+01	4.995E+01	3.964E+00	2.043E+00	1.603E+01	1.315E+01	1.206E+00
3.100E+03	6.818E-01	6.810E+01	5.055E+01	4.329E+00	2.058E+00	1.796E+01	1.479E+01	1.197E+00
3.200E+03	6.704E-01	7.202E+01	5.116E+01	4.100E+00	2.076E+00	2.018E+01	1.665E+01	1.190E+00
3.300E+03	6.605E-01	7.612E+01	5.182E+01	4.176E+00	2.099E+00	2.269E+01	1.872E+01	1.185E+00
3.400E+03	6.518E-01	8.034E+01	5.250E+01	4.348E+00	2.115E+00	2.522E+01	2.084E+01	1.180E+00
3.500E+03	6.442E-01	8.464E+01	5.318E+01	4.446E+00	2.136E+00	2.833E+01	2.339E+01	1.177E+00
3.600E+03	6.379E-01	8.904E+01	5.384E+01	4.544E+00	2.156E+00	3.180E+01	2.592E+01	1.176E+00
3.700E+03	6.322E-01	9.350E+01	5.450E+01	4.630E+00	2.180E+00	3.522E+01	2.850E+01	1.175E+00
3.800E+03	6.270E-01	9.804E+01	5.516E+01	4.714E+00	2.200E+00	3.871E+01	3.107E+01	1.175E+00
3.900E+03	6.225E-01	1.026E+02	5.574E+01	4.794E+00	2.244E+00	4.214E+01	3.352E+01	1.177E+00
4.000E+03	6.180E-01	1.070E+02	5.632E+01	4.858E+00	2.284E+00	4.538E+01	3.574E+01	1.179E+00
4.100E+03	6.147E-01	1.114E+02	5.691E+01	5.048E+00	2.315E+00	4.827E+01	3.767E+01	1.181E+00
4.200E+03	6.116E-01	1.160E+02	5.746E+01	5.190E+00	2.347E+00	5.062E+01	3.917E+01	1.184E+00
4.300E+03	6.090E-01	1.207E+02	5.800E+01	5.338E+00	2.375E+00	5.230E+01	4.015E+01	1.186E+00
4.400E+03	6.075E-01	1.254E+02	5.854E+01	5.487E+00	2.409E+00	5.316E+01	4.054E+01	1.188E+00
4.500E+03	6.060E-01	1.301E+02	5.908E+01	5.640E+00	2.442E+00	5.378E+01	4.032E+01	1.188E+00
4.600E+03	6.051E-01	1.348E+02	5.963E+01	5.794E+00	2.483E+00	5.220E+01	3.951E+01	1.204E+00
4.700E+03	6.049E-01	1.395E+02	6.017E+01	5.947E+00	2.524E+00	5.042E+01	3.710E+01	1.214E+00
4.800E+03	6.042E-01	1.442E+02	6.070E+01	6.098E+00	2.569E+00	4.833E+01	3.536E+01	1.216E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTD	S/R	A/AI	Z	CP/R	CV/R	GAMMA
4.900E+03	2.704E-01	2.484E+02	6.850E+01	6.244E+03	3.061E+00	4.581E+01	3.431E+01	1.224E+00
5.000E+03	2.599E-01	2.593E+02	6.939E+01	6.390E+00	3.121E+00	4.265E+01	3.208E+01	1.231E+00
5.200E+03	2.420E-01	2.788E+02	7.094E+01	6.683E+00	3.223E+00	3.680E+01	2.769E+01	1.246E+00
5.400E+03	2.274E-01	2.950E+02	7.223E+01	6.513E+00	3.303E+00	3.190E+01	2.403E+01	1.200E+00
5.600E+03	2.131E-01	3.104E+02	7.333E+01	7.134E+00	3.366E+00	2.845E+01	2.148E+01	1.270E+00
5.800E+03	2.044E-01	3.239E+02	7.426E+01	7.325E+00	3.417E+00	2.649E+01	2.010E+01	1.274E+00
6.000E+03	1.954E-01	3.367E+02	7.517E+01	7.488E+00	3.460E+00	2.502E+01	1.974E+01	1.271E+00
6.200E+03	1.870E-01	3.455E+02	7.602E+01	7.631E+00	3.497E+00	2.420E+01	2.021E+01	1.263E+00
6.400E+03	1.793E-01	3.627E+02	7.688E+01	7.764E+00	3.533E+00	2.732E+01	2.126E+01	1.254E+00
6.600E+03	1.721E-01	3.765E+02	7.773E+01	7.896E+00	3.570E+00	2.892E+01	2.268E+01	1.249E+00
6.800E+03	1.654E-01	3.912E+02	7.862E+01	8.033E+00	3.607E+00	3.072E+01	2.422E+01	1.238E+00
7.000E+03	1.589E-01	4.060E+02	7.953E+01	8.178E+00	3.646E+00	3.240E+01	2.562E+01	1.233E+00
7.200E+03	1.528E-01	4.231E+02	8.046E+01	8.332E+00	3.686E+00	3.366E+01	2.666E+01	1.231E+00
7.400E+03	1.471E-01	4.399E+02	8.140E+01	8.496E+00	3.727E+00	3.430E+01	2.712E+01	1.231E+00
7.600E+03	1.416E-01	4.557E+02	8.231E+01	8.670E+00	3.767E+00	3.410E+01	2.688E+01	1.235E+00
7.800E+03	1.366E-01	4.733E+02	8.318E+01	8.853E+00	3.808E+00	3.305E+01	2.593E+01	1.242E+00
8.000E+03	1.319E-01	4.892E+02	8.400E+01	9.044E+00	3.842E+00	3.126E+01	2.437E+01	1.252E+00
8.200E+03	1.277E-01	5.041E+02	8.474E+01	9.242E+00	3.874E+00	2.900E+01	2.243E+01	1.265E+00
8.400E+03	1.237E-01	5.170E+02	8.541E+01	9.445E+00	3.902E+00	2.656E+01	2.035E+01	1.281E+00
8.600E+03	1.201E-01	5.303E+02	8.610E+01	9.650E+00	3.925E+00	2.423E+01	1.836E+01	1.296E+00
8.800E+03	1.168E-01	5.417E+02	8.694E+01	9.853E+00	3.944E+00	2.220E+01	1.663E+01	1.311E+00
9.000E+03	1.138E-01	5.522E+02	8.702E+01	1.005E+01	3.960E+00	2.057E+01	1.529E+01	1.332E+00
9.200E+03	1.109E-01	5.621E+02	8.746E+01	1.023E+01	3.974E+00	1.937E+01	1.424E+01	1.346E+00
9.400E+03	1.083E-01	5.714E+02	8.787E+01	1.059E+01	3.985E+00	1.858E+01	1.356E+01	1.356E+00
9.600E+03	1.057E-01	5.805E+02	8.825E+01	1.053E+01	3.995E+00	1.815E+01	1.322E+01	1.361E+00
9.800E+03	1.033E-01	5.893E+02	8.863E+01	1.066E+01	4.004E+00	1.800E+01	1.312E+01	1.362E+00
1.000E+04	1.011E-01	5.982E+02	8.899E+01	1.077E+01	4.013E+00	1.813E+01	1.325E+01	1.359E+00
1.200E+04	8.900E-02	6.464E+02	9.005E+01	1.117E+01	4.061E+00	1.766E+01	1.316E+01	1.315E+00
1.400E+04	8.177E-02	7.080E+02	9.022E+01	1.157E+01	4.133E+00	2.088E+01	2.233E+01	1.269E+00
1.600E+04	7.344E-02	7.913E+02	9.572E+01	1.204E+01	4.268E+00	3.929E+01	3.381E+01	1.238E+00
1.800E+04	6.553E-02	9.043E+02	9.911E+01	1.267E+01	4.420E+00	5.285E+01	4.133E+01	1.221E+00
2.000E+04	5.799E-02	1.054E+03	1.039E+02	1.343E+01	4.663E+00	6.875E+01	5.301E+01	1.211E+00
2.200E+04	5.090E-02	1.244E+03	1.082E+02	1.432E+01	4.979E+00	8.507E+01	6.430E+01	1.211E+00
2.400E+04	4.448E-02	1.471E+03	1.138E+02	1.534E+01	5.363E+00	9.863E+01	7.304E+01	1.215E+00
2.600E+04	3.891E-02	1.725E+03	1.197E+02	1.646E+01	5.791E+00	1.059E+02	7.708E+01	1.223E+00
2.800E+04	3.430E-02	1.980E+03	1.254E+02	1.762E+01	6.224E+00	1.043E+02	7.526E+01	1.235E+00
3.000E+04	3.062E-02	2.233E+03	1.306E+02	1.878E+01	6.623E+00	9.509E+01	6.830E+01	1.252E+00
3.200E+04	2.775E-02	2.451E+03	1.349E+02	1.590E+01	6.964E+00	8.159E+01	5.843E+01	1.275E+00
3.400E+04	2.551E-02	2.633E+03	1.384E+02	2.058E+01	7.225E+00	6.764E+01	4.818E+01	1.303E+00
3.600E+04	2.375E-02	2.784E+03	1.411E+02	2.201E+01	7.425E+00	5.970E+01	3.931E+01	1.335E+00
3.800E+04	2.231E-02	2.912E+03	1.433E+02	2.298E+01	7.573E+00	4.666E+01	3.256E+01	1.367E+00
4.000E+04	2.112E-02	3.019E+03	1.450E+02	2.307E+01	7.681E+00	4.279E+01	2.799E+01	1.396E+00
4.200E+04	2.009E-02	3.114E+03	1.466E+02	2.442E+01	7.703E+00	3.705E+01	2.543E+01	1.413E+00
4.400E+04	1.919E-02	3.203E+03	1.479E+02	2.521E+01	7.829E+00	3.581E+01	2.467E+01	1.414E+00
4.600E+04	1.837E-02	3.292E+03	1.497E+02	2.533E+01	7.846E+00	3.611E+01	2.554E+01	1.400E+00
4.800E+04	1.761E-02	3.380E+03	1.52E+02	2.595E+01	7.942E+00	3.923E+01	2.787E+01	1.379E+00
5.000E+04	1.689E-02	3.487E+03	1.552E+02	2.624E+01	8.002E+00	4.334E+01	3.137E+01	1.349E+00
5.100E+04	1.621E-02	3.600E+03	1.589E+02	2.655E+01	8.078E+00	4.335E+01	3.553E+01	1.326E+00
5.200E+04	1.556E-02	3.725E+03	1.591E+02	2.694E+01	8.178E+00	5.323E+01	3.563E+01	1.310E+00
5.300E+04	1.493E-02	3.862E+03	1.586E+02	2.740E+01	8.232E+00	5.760E+01	4.292E+01	1.300E+00
5.400E+04	1.433E-02	4.008E+03	1.585E+02	2.794E+01	8.284E+00	6.006E+01	4.477E+01	1.298E+00
5.500E+04	1.377E-02	4.157E+03	1.603E+02	2.854E+01	8.410E+00	6.046E+01	4.494E+01	1.301E+00
5.600E+04	1.324E-02	4.304E+03	1.620E+02	2.918E+01	8.504E+00	5.992E+01	4.358E+01	1.309E+00
5.700E+04	1.276E-02	4.446E+03	1.634E+02	2.986E+01	8.598E+00	5.603E+01	4.115E+01	1.320E+00
5.800E+04	1.232E-02	4.580E+03	1.650E+02	3.056E+01	8.661E+00	5.243E+01	3.819E+01	1.339E+00
5.900E+04	1.192E-02	4.705E+03	1.663E+02	3.120E+01	8.725E+00	4.880E+01	3.523E+01	1.351E+00
6.000E+04	1.155E-02	4.821E+03	1.675E+02	3.194E+01	8.779E+00	4.536E+01	3.266E+01	1.367E+00
6.100E+04	1.121E-02	4.931E+03	1.686E+02	3.257E+01	8.824E+00	4.320E+01	3.072E+01	1.379E+00
6.200E+04	1.095E-02	5.035E+03	1.696E+02	3.313E+01	8.865E+00	4.170E+01	2.950E+01	1.386E+00
6.300E+04	1.070E-02	5.137E+03	1.706E+02	3.359E+01	8.928E+00	4.121E+01	2.925E+01	1.387E+00
6.400E+04	1.043E-02	5.239E+03	1.716E+02	3.397E+01	8.978E+00	4.175E+01	2.978E+01	1.381E+00
6.500E+04	1.021E-02	5.344E+03	1.725E+02	3.427E+01	9.011E+00	4.228E+01	3.114E+01	1.369E+00
6.600E+04	9.999E-03	5.453E+03	1.735E+02	3.453E+01	9.046E+00	4.373E+01	3.326E+01	1.356E+00
6.700E+04	9.541E-03	5.570E+03	1.745E+02	3.476E+01	9.084E+00	4.590E+01	3.600E+01	1.337E+00
6.800E+04	9.299E-03	5.685E+03	1.755E+02	3.501E+01	9.088E+00	5.276E+01	3.917E+01	1.322E+00
6.900E+04	9.062E-03	5.803E+03	1.767E+02	3.529E+01	9.133E+00	5.684E+01	4.254E+01	1.309E+00
7.000E+04	8.831E-03	5.976E+03	1.777E+02	3.561E+01	9.182E+00	6.086E+01	4.580E+01	1.299E+00

P/PO = 1.20E+01

T	RHO/RHO-0=0	H/RTD	S/R	A/AI	Z	CP/R	CV/R	GAMMA
5.00E+J2	6.689E+00	-2.455E-01	2.872E+01	1.335E+00	1.613E+00	3.136E+01	2.344E+01	1.187E+00
6.00E+J3	4.533E+00	6.976E+30	3.615E+01	1.670E+00	1.798E+00	2.345E+01	1.759E+01	1.731E+00
7.00E+J3	3.562E+00	1.109E+01	3.675E+01	1.941E+00	1.961E+00	1.180E+01	8.801E+00	1.205E+00
8.00E+J3	3.371E+00	1.359E+01	3.800E+01	2.136E+00	1.981E+00	8.512E+00	6.227E+00	1.394E+00
9.00E+J3	2.714E+00	1.540E+01	3.901E+01	2.283E+00	1.992E+00	7.737E+00	5.670E+00	1.368E+00
1.00E+J3	2.434E+00	1.736E+01	3.981E+01	2.409E+00	1.994E+00	7.502E+00	5.520E+00	1.368E+00
1.100E+J3	2.214E+00	1.923E+01	4.053E+01	2.523E+00	1.998E+00	7.306E+00	5.344E+00	1.363E+00
1.200E+J3	2.029E+00	2.111E+01	4.120E+01	2.631E+00	1.999E+00	7.027E+00	5.161E+00	1.357E+00

TABLE I. - Continued

T	RHO/RHO-0	M/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
1.300E+03	1.872E+00	2.300E+01	4.181E+01	2.732E+00	1.999E+00	7.708E+00	5.702E+00	1.351E+00
1.400E+03	1.738E+00	2.492E+01	4.239E+01	2.830E+00	2.000E+00	7.796E+00	5.762E+00	1.346E+00
1.500E+03	1.622E+00	2.686E+01	4.293E+01	2.923E+00	2.000E+00	7.886E+00	5.883E+00	1.340E+00
1.600E+03	1.521E+00	2.882E+01	4.344E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.339E+00
1.700E+03	1.431E+00	3.083E+01	4.393E+01	3.100E+00	2.000E+00	8.068E+00	6.066E+00	1.338E+00
1.800E+03	1.352E+00	3.281E+01	4.446E+01	3.184E+00	2.000E+00	8.167E+00	6.163E+00	1.329E+00
1.900E+03	1.278E+00	3.485E+01	4.495E+01	3.265E+00	2.000E+00	8.268E+00	6.274E+00	1.320E+00
2.000E+03	1.216E+00	3.682E+01	4.528E+01	3.343E+00	2.000E+00	8.417E+00	6.405E+00	1.314E+00
2.100E+03	1.158E+00	3.802E+01	4.569E+01	3.417E+00	2.001E+00	8.593E+00	6.572E+00	1.307E+00
2.200E+03	1.105E+00	4.118E+01	4.610E+01	3.487E+00	2.001E+00	8.823E+00	6.787E+00	1.299E+00
2.300E+03	1.057E+00	4.340E+01	4.656E+01	3.554E+00	2.002E+00	9.129E+00	7.070E+00	1.290E+00
2.400E+03	1.012E+00	4.572E+01	4.690E+01	3.618E+00	2.004E+00	9.533E+00	7.439E+00	1.280E+00
2.500E+03	9.701E-01	4.814E+01	4.731E+01	3.678E+00	2.006E+00	1.006E+01	7.915E+00	1.249E+00
2.600E+03	9.319E-01	5.072E+01	4.772E+01	3.734E+00	2.010E+00	1.073E+01	8.520E+00	1.237E+00
2.700E+03	8.949E-01	5.348E+01	4.814E+01	3.792E+00	2.014E+00	1.158E+01	9.274E+00	1.244E+00
2.800E+03	8.613E-01	5.648E+01	4.858E+01	3.849E+00	2.020E+00	1.262E+01	1.020E+01	1.232E+00
2.900E+03	8.273E-01	5.976E+01	4.905E+01	3.907E+00	2.029E+00	1.389E+01	1.130E+01	1.221E+00
3.000E+03	7.955E-01	6.339E+01	4.955E+01	3.967E+00	2.039E+00	1.540E+01	1.260E+01	1.210E+00
3.100E+03	7.649E-01	6.742E+01	5.009E+01	4.031E+00	2.053E+00	1.717E+01	1.411E+01	1.201E+00
3.200E+03	7.344E-01	7.192E+01	5.067E+01	4.100E+00	2.070E+00	1.920E+01	1.582E+01	1.194E+00
3.300E+03	7.059E-01	7.659E+01	5.130E+01	4.174E+00	2.090E+00	2.151E+01	1.772E+01	1.188E+00
3.400E+03	6.776E-01	8.258E+01	5.198E+01	4.253E+00	2.115E+00	2.408E+01	1.981E+01	1.183E+00
3.500E+03	6.482E-01	8.888E+01	5.272E+01	4.340E+00	2.145E+00	2.690E+01	2.206E+01	1.180E+00
3.600E+03	6.202E-01	9.590E+01	5.352E+01	4.433E+00	2.180E+00	2.993E+01	2.442E+01	1.178E+00
3.700E+03	5.924E-01	1.037E+02	5.439E+01	4.534E+00	2.220E+00	3.313E+01	2.686E+01	1.177E+00
3.800E+03	5.651E-01	1.123E+02	5.532E+01	4.642E+00	2.264E+00	3.643E+01	2.930E+01	1.177E+00
3.900E+03	5.403E-01	1.217E+02	5.631E+01	4.758E+00	2.318E+00	3.972E+01	3.166E+01	1.176E+00
4.000E+03	5.122E-01	1.319E+02	5.736E+01	4.881E+00	2.375E+00	4.290E+01	3.350E+01	1.180E+00
4.100F+03	4.866E-01	1.424E+02	5.846E+01	5.012E+00	2.438E+00	4.582E+01	3.508E+01	1.182E+00
4.200F+03	4.624E-01	1.545E+02	5.959E+01	5.148E+00	2.506E+00	4.834E+01	3.752E+01	1.185E+00
4.300F+03	4.392E-01	1.666E+02	6.075E+01	5.291E+00	2.577E+00	5.031E+01	3.872E+01	1.186E+00
4.400F+03	4.173E-01	1.792E+02	6.193E+01	5.437E+00	2.651E+00	5.159E+01	3.942E+01	1.193E+00
4.500F+03	3.967E-01	1.920E+02	6.309E+01	5.587E+00	2.726E+00	5.212E+01	3.956E+01	1.197E+00
4.600F+03	3.777E-01	2.048E+02	6.424E+01	5.739E+00	2.801E+00	5.180E+01	3.915E+01	1.202E+00
4.700F+03	3.602E-01	2.176E+02	6.534E+01	5.890E+00	2.875E+00	5.074E+01	3.822E+01	1.206E+00
4.800F+03	3.442E-01	2.297E+02	6.639E+01	6.041E+00	2.945E+00	4.899E+01	3.682E+01	1.214E+00
4.900F+03	3.297E-01	2.415E+02	6.738E+01	6.189E+00	3.012E+00	4.672E+01	3.509E+01	1.221E+00
5.000F+03	3.166E-01	2.527E+02	6.829E+01	6.334E+00	3.074E+00	4.411E+01	3.310E+01	1.228E+00
5.200F+03	2.941E-01	2.730E+02	6.991E+01	6.611E+00	3.182E+00	3.856E+01	2.894E+01	1.242E+00
5.400F+03	2.756E-01	2.907E+02	7.127E+01	6.867E+00	3.270E+00	3.355F+01	2.921E+01	1.256E+00
5.600F+03	2.633E-01	3.063E+02	7.241E+01	7.097E+00	3.339E+00	2.975E+01	2.240E+01	1.267E+00
5.800F+03	2.520E-01	3.203E+02	7.341E+01	7.298E+00	3.394E+00	2.734E+01	2.067E+01	1.277E+00
6.000F+03	2.395E-01	3.346E+02	7.431E+01	7.471E+00	3.460E+00	2.623E+01	1.994E+01	1.272E+00
6.200F+03	2.256E-01	3.463E+02	7.517E+01	7.622F+00	3.500E+00	2.615F+01	2.010E+01	1.267E+00
6.400F+03	2.167E-01	3.593E+02	7.601E+01	7.759E+00	3.517E+00	2.697E+01	2.088E+01	1.259E+00
6.600F+03	2.075E-01	3.729E+02	7.686E+01	7.893E+00	3.553E+00	2.811E+01	2.210E+01	1.250E+00
6.800F+03	1.939E-01	3.873E+02	7.773E+01	8.028E+00	3.590E+00	2.904E+01	2.351E+01	1.242E+00
7.000F+03	1.910E-01	4.024E+02	7.862E+01	8.170E+00	3.628E+00	3.158E+01	2.488E+01	1.236E+00
7.200F+03	1.893E-01	4.183E+02	7.953E+01	8.321E+00	3.668E+00	3.299E+01	2.602E+01	1.233E+00
7.400F+03	1.777E-01	4.346E+02	8.044E+01	8.481E+00	3.708E+00	3.380E+01	2.666E+01	1.233E+00
7.600F+03	1.658E-01	4.516E+02	8.135E+01	8.650F+00	3.749E+00	3.393E+01	2.672E+01	1.236E+00
7.800F+03	1.567E-01	4.681E+02	8.222E+01	8.828E+00	3.788E+00	3.325E+01	2.609E+01	1.241E+00
8.000F+03	1.467E-01	4.846E+02	8.307E+01	9.014E+00	3.827E+00	3.183E+01	2.648E+01	1.249E+00
8.200F+03	1.374E-01	4.994E+02	8.391E+01	9.207E+00	3.898E+00	3.046E+01	2.712E+01	1.251E+00
8.400F+03	1.284E-01	5.136E+02	8.465E+01	9.406E+00	3.887E+00	2.755E+01	2.717E+01	1.252E+00
8.600F+03	1.196E-01	5.286E+02	8.512E+01	9.608E+00	3.929E+00	2.524E+01	2.802E+01	1.253E+00
8.800F+03	1.110E-01	5.435E+02	8.568E+01	9.811E+00	3.964E+00	2.313E+01	2.660E+01	1.253E+00
9.000F+03	1.030E-01	5.595E+02	8.615E+01	1.001E+01	4.001E+00	2.133E+01	2.393E+01	1.253E+00
9.200F+03	9.505E-01	5.755E+02	8.662E+01	1.037E+01	4.046E+00	2.037E+01	2.109E+01	1.277E+00
9.400F+03	8.734E-01	5.916E+02	8.709E+01	1.074E+01	4.092E+00	1.936E+01	1.869E+01	1.295E+00
9.600F+03	8.000E-01	6.072E+02	8.756E+01	1.112E+01	4.138E+00	1.836E+01	1.694E+01	1.304E+00
9.800F+03	7.300E-01	6.229E+02	8.803E+01	1.150E+01	4.184E+00	1.736E+01	1.518E+01	1.302E+00
1.000F+04	6.660E-01	6.384E+02	8.850E+01	1.187E+01	4.232E+00	1.636E+01	1.416E+01	1.291E+00
1.020F+04	6.020E-01	6.541E+02	8.897E+01	1.224E+01	4.280E+00	1.536E+01	1.314E+01	1.280E+00
1.040F+04	5.400E-01	6.698E+02	8.944E+01	1.262E+01	4.328E+00	1.436E+01	1.213E+01	1.269E+00
1.060F+04	4.800E-01	6.855E+02	9.000E+01	1.300E+01	4.376E+00	1.335E+01	1.112E+01	1.257E+00
1.080F+04	4.200E-01	7.012E+02	9.057E+01	1.337E+01	4.424E+00	1.234E+01	1.011E+01	1.246E+00
1.100F+04	3.600E-01	7.170E+02	9.114E+01	1.375E+01	4.472E+00	1.133E+01	9.094E+00	1.235E+00
1.120F+04	3.000E-01	7.327E+02	9.171E+01	1.413E+01	4.520E+00	1.032E+01	8.073E+00	1.224E+00
1.140F+04	2.400E-01	7.484E+02	9.228E+01	1.451E+01	4.568E+00	9.312E+00	7.052E+00	1.213E+00
1.160F+04	1.800E-01	7.641E+02	9.285E+01	1.489E+01	4.616E+00	8.251E+00	6.031E+00	1.202E+00
1.180F+04	1.200E-01	7.798E+02	9.342E+01	1.527E+01	4.664E+00	7.190E+00	5.010E+00	1.191E+00
1.200F+04	6.000E-02	7.955E+02	9.399E+01	1.565E+01	4.712E+00	6.129E+00	4.089E+00	1.180E+00
1.220F+04	1.600E-01	8.112E+02	9.456E+01	1.603E+01	4.760E+00	5.148E+00	3.068E+00	1.169E+00
1.240F+04	2.000E-01	8.269E+02	9.513E+01	1.641E+01	4.808E+00	4.167E+00	2.047E+00	1.158E+00
1.260F+04	2.400E-01	8.426E+02	9.570E+01	1.679E+01	4.856E+00	3.186E+00	1.026E+00	1.147E+00
1.280F+04	2.800E-01	8.583E+02	9.627E+01	1.717E+01	4.904E+00	2.205E+00	9.935E+00	1.136E+00
1.300F+04	3.200E-01	8.740E+02	9.684E+01	1.755E+01	4.952E+00	1.224E+00	9.644E+00	1.125E+00
1.320F+04	3.600E-01	8.897E+02	9.741E+01	1.793E+01	5.000E+00	1.243E+00	9.353E+00	1.114E+00
1.340F+04	4.000E-01	9.054E+02	9.798E+01	1.831E+01	5.048E+00	1.262E+00	9.062E+00	1.103E+00
1.360F+04	4.400E-01	9.211E+02	9.855E+01	1.869E+01	5.096E+00	1.281E+00	8.771E+00	1.092E+00
1.380F+04	4.800E-01	9.368E+02	9.912E+01	1.907E+01	5.144E+00	1.300E+00	8.489E+00	1.081E+00
1.400F+04	5.200E-01	9.525E+02	9.969E+01	1.945E+01	5.192E+00	1.319E+00	8.207E+00	1.070E+00
1.420F+04	5.600E-01	9.682E+02	1.003E+02	1.983E+01	5.240E+00	1.338E+00	7.925E+00	1.059E+00
1.440F+04	6.000E-01	9.839E+02	1.041E+02	2.021E+01	5.288E+00			

TABLE I. - Continued

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
3.500E+34	1.663E-02	4.1C7E+03	1.582E+02	2.846E+01	8.363E+00	5.977E+01	4.427E+01	1.302E+00
3.603E+34	1.599E-02	4.254E+03	1.599E+02	2.908E+01	8.451E+00	5.921E+01	4.378E+01	1.307E+00
3.707E+34	1.541E-02	4.397E+03	1.615E+02	2.973E+01	8.530E+00	5.700E+01	4.196E+01	1.317E+00
3.800E+34	1.487E-02	4.534E+03	1.629E+02	3.042E+01	8.615E+00	5.397E+01	3.939E+01	1.329E+00
3.900E+34	1.437E-02	4.663E+03	1.643E+02	3.111E+01	8.683E+00	5.091E+01	3.696E+01	1.344E+00
4.000E+34	1.392E-02	4.784E+03	1.659E+02	3.179E+01	8.742E+00	4.723E+01	3.390E+01	1.360E+00
4.100E+34	1.350E-02	4.857E+03	1.667E+02	3.244E+01	8.793E+00	4.461E+01	3.172E+01	1.373E+01
4.200E+34	1.311E-02	5.004E+03	1.677E+02	3.303E+01	8.837E+00	4.257E+01	3.020E+01	1.386E+01
4.300E+34	1.275E-02	5.107E+03	1.687E+02	3.358E+01	8.875E+00	4.155E+01	2.949E+01	1.387E+00
4.400E+34	1.241E-02	5.209E+03	1.697E+02	3.398E+01	8.911E+00	4.150E+01	2.847E+01	1.389E+00
4.500E+34	1.209E-02	5.313E+03	1.706E+02	3.432E+01	8.945E+00	4.240E+01	2.831E+01	1.377E+00
4.600E+34	1.178E-02	5.419E+03	1.715E+02	3.461E+01	8.980E+00	4.422E+01	2.190E+01	1.364E+00
4.700E+34	1.148E-02	5.511E+03	1.725E+02	3.488E+01	9.016E+00	4.686E+01	3.416E+01	1.349E+00
4.800E+34	1.120E-02	5.611E+03	1.735E+02	3.510E+01	9.050E+00	5.016E+01	3.694E+01	1.324E+00
4.900E+34	1.092E-02	5.779E+03	1.746E+02	3.536E+01	9.099E+00	5.390E+01	4.004E+01	1.302E+00
5.000E+34	1.064E-02	5.917E+03	1.757E+02	3.566E+01	9.147E+00	5.770E+01	4.323E+01	1.308E+00

P/P0 = 1.40E+01

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+32	4.187E+00	-7.374E-01	2.818E+01	1.323E+00	1.387E+00	3.028E+01	2.280E+01	1.187E+00
6.000E+32	5.359E+00	6.604E+00	3.363E+01	1.663E+00	1.766E+00	2.448E+01	1.830E+01	1.228E+00
7.000E+32	4.198E+00	1.396E+01	3.637E+01	1.932E+00	1.932E+00	1.242E+01	9.274E+00	1.799E+00
8.000E+32	3.549E+00	1.345E+01	3.773E+01	2.131E+01	1.978E+00	8.713E+00	6.382E+00	1.350E+00
9.000E+32	3.168E+00	1.546E+01	3.869E+01	2.202E+00	1.991E+00	7.802E+00	5.683E+00	1.366E+00
1.000E+33	2.845E+00	1.735E+01	3.950E+01	2.300E+00	1.996E+00	7.589E+00	5.540E+00	1.367E+00
1.100E+33	2.584E+00	1.923E+01	4.022E+01	2.523E+00	1.998E+00	7.578E+00	5.555E+00	1.362E+00
1.200E+33	2.367E+00	2.110E+01	4.098E+01	2.633E+00	1.999E+00	7.633E+00	5.621E+00	1.357E+00
1.300E+33	2.185E+00	2.300E+01	4.150E+01	2.732E+00	1.999E+00	7.712E+00	5.764E+00	1.351E+00
1.400E+33	2.028E+00	2.492E+01	4.208E+01	2.830E+00	1.999E+00	7.798E+00	5.753E+00	1.346E+00
1.500E+33	1.893E+00	2.686E+01	4.262E+01	2.923E+00	2.000E+00	7.887E+00	5.884E+00	1.347E+00
1.600E+33	1.775E+00	2.882E+01	4.314E+01	3.013F+01	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.700E+33	1.673E+00	3.080E+01	4.362E+01	3.100E+00	2.000E+00	8.067E+00	6.065E+00	1.327E+00
1.800E+33	1.577E+00	3.281E+01	4.409E+01	3.184E+00	2.000E+00	8.165E+00	6.161E+00	1.329E+00
1.900E+33	1.496E+00	3.485E+01	4.454E+01	3.265E+00	2.000E+00	8.274E+00	6.268E+00	1.327E+00
2.000E+33	1.419E+00	3.681E+01	4.497E+01	3.343E+00	2.000E+00	8.384E+00	6.359E+00	1.314E+00
2.100E+33	1.331E+00	3.902E+01	4.538E+01	3.418E+00	2.001E+00	8.573E+00	6.554E+00	1.308E+00
2.200E+33	1.290E+00	4.117E+01	4.579E+01	3.480E+00	2.001E+00	8.791E+00	6.758E+00	1.300E+00
2.300E+33	1.233E+00	4.338E+01	4.619E+01	3.556E+00	2.002E+00	9.078E+00	7.023E+00	1.292E+00
2.400E+33	1.181E+00	4.568E+01	4.659E+01	3.620E+00	2.004E+00	9.456E+00	7.364E+00	1.287E+00
2.500E+33	1.132E+00	4.808E+01	4.699E+01	3.661E+00	2.004E+00	9.846E+00	7.814E+00	1.271E+00
2.600E+33	1.087E+00	5.062E+01	4.739E+01	3.739E+00	2.009E+00	1.075E+01	8.377E+00	1.259E+00
2.700E+33	1.045E+00	5.334E+01	4.781E+01	3.796E+00	2.013E+00	1.146E+01	9.078E+00	1.247E+00
2.800E+33	1.000E+00	5.627E+01	4.824E+01	3.853E+00	2.019E+00	1.233E+01	9.639E+00	1.2358E+00
2.900E+33	9.661E+01	5.947E+01	4.870E+01	3.910E+00	2.026E+00	1.351E+01	1.0565E+01	1.2268E+00
3.000E+33	9.294E+01	6.299E+01	4.918E+01	3.970E+00	2.036E+00	1.491E+01	1.217E+01	1.2146E+00
3.100E+33	8.939E+01	6.689E+01	4.970E+01	4.033E+00	2.049E+00	1.655E+01	1.357E+01	1.204E+00
3.200E+33	8.594E+01	7.121E+01	5.026E+01	4.100E+00	2.064E+00	1.846E+01	1.517E+01	1.197E+00
3.300E+33	8.257E+01	7.604E+01	5.084E+01	4.172E+00	2.084E+00	2.059E+01	1.659E+01	1.191E+00
3.400E+33	7.916E+01	8.143E+01	5.151E+01	4.252E+00	2.107E+00	2.298E+01	1.880E+01	1.186E+00
3.500E+33	7.600E+01	8.745E+01	5.222E+01	4.334E+00	2.134E+00	2.562E+01	2.111E+01	1.183E+00
3.600E+33	7.279E+01	9.412E+01	5.299E+01	4.424E+00	2.167E+00	2.846E+01	2.324E+01	1.180E+00
3.700E+33	6.961E+01	1.015E+02	5.361E+01	4.521E+00	2.204E+00	3.166E+01	2.555E+01	1.170E+00
3.800E+33	6.649E+01	1.097E+02	5.409E+01	4.622E+00	2.247E+00	3.461E+01	2.789E+01	1.170E+00
3.900E+33	6.341L+01	1.186E+02	5.464E+01	4.738E+00	2.296E+00	3.777E+01	3.019E+01	1.170E+00
4.000E+33	6.041E+01	1.283E+02	5.563E+01	4.857E+00	2.350E+00	4.087E+01	3.277E+01	1.161E+00
4.100E+33	5.746E+01	1.386E+02	5.708E+01	5.003E+00	2.409E+00	4.479E+01	3.577E+01	1.153E+00
4.200E+33	5.467E+01	1.499E+02	5.877E+01	5.115E+00	2.473E+00	4.879E+01	3.867E+01	1.145E+00
4.300E+33	5.179E+01	1.616E+02	5.982E+01	5.254E+00	2.541E+00	5.262E+01	4.157E+01	1.139E+00
4.400E+33	4.941E+01	1.738E+02	6.102E+01	5.397E+00	2.612E+00	5.676E+01	4.464E+01	1.132E+00
4.500E+33	4.730E+01	1.862E+02	6.216E+01	5.542E+00	2.684E+00	6.105E+01	4.775E+01	1.127E+00
4.600E+33	4.475E+01	1.988E+02	6.326E+01	5.692E+00	2.758E+00	6.510E+01	5.082E+01	1.122E+00
4.700E+33	4.207E+01	2.114E+02	6.437E+01	5.842E+00	2.831E+00	6.951E+01	5.392E+01	1.107E+00
4.800E+33	3.976E+01	2.237E+02	6.542E+01	5.962E+00	2.902E+00	7.457E+01	5.677E+01	1.101E+00
4.900E+33	3.702E+01	2.354E+02	6.642E+01	6.140E+00	2.969E+00	7.959E+01	6.032E+01	1.093E+00
5.000E+33	3.474E+01	2.469E+02	6.735E+01	6.280E+00	3.033E+00	8.451E+01	6.417E+01	1.085E+00
5.200E+33	3.471E+01	2.679E+02	6.902E+01	6.565E+00	3.146E+00	9.091E+01	7.095E+01	1.060E+00
5.400E+33	3.247E+01	2.843E+02	7.036E+01	6.825E+00	3.239E+00	9.846E+01	7.844E+01	1.024E+00
5.600E+33	3.040E+01	3.024E+02	7.162E+01	7.062E+00	3.313E+00	1.069E+02	8.634E+01	9.875E+00
5.800E+33	2.843E+01	3.196E+02	7.265E+01	7.271E+00	3.397E+00	1.151E+02	9.418E+01	1.037E+00
6.000E+33	2.676E+01	3.304E+02	7.358E+01	7.453E+00	3.462E+00	1.232E+02	1.014E+02	1.077E+00
6.200E+33	2.544E+01	3.424E+02	7.444E+01	7.611E+00	3.546E+00	1.313E+02	1.084E+02	1.121E+00
6.400E+33	2.433E+01	3.566E+02	7.528E+01	7.754E+00	3.620E+00	1.392E+02	1.154E+02	1.169E+00
6.600E+33	2.431E+01	3.699E+02	7.612E+01	7.888E+00	3.749E+00	1.471E+02	1.224E+02	1.2262E+00
6.800E+33	2.335E+01	3.840E+02	7.698E+01	8.024E+00	3.970E+00	1.552E+02	1.304E+02	1.2533E+00
7.000E+33	2.245E+01	3.988E+02	7.763E+01	8.164E+00	4.161E+00	1.632E+02	1.384E+02	1.256E+00
7.200E+33	2.159E+01	4.144E+02	7.874E+01	8.312E+00	4.353E+00	1.713E+02	1.464E+02	1.260E+00
7.400E+33	2.072E+01	4.307E+02	7.984E+01	8.464E+00	4.543E+00	1.792E+02	1.544E+02	1.263E+00
7.600E+33	1.984E+01	4.472E+02	8.094E+01	8.614E+00	4.735E+00	1.871E+02	1.624E+02	1.267E+00
7.800E+33	1.896E+01	4.637E+02	8.191E+01	8.768E+00	4.927E+00	1.949E+02	1.704E+02	1.268E+00
8.000E+33	1.803E+01	4.799E+02	8.224E+01	8.900E+00	5.109E+00	2.021E+02	1.784E+02	1.268E+00
8.200E+33	1.705E+01	4.953E+02	8.301E+01	9.079E+00	5.344E+00	2.092E+02	1.864E+02	1.268E+00
8.400E+33	1.617E+01	5.105E+02	8.377E+01	9.275E+00	5.604E+00	2.163E+02	1.944E+02	1.268E+00
8.600E+33	1.532E+01	5.232E+02	8.436E+01	9.501E+00	5.892E+00	2.233E+02	2.024E+02	1.268E+00
8.800E+33	1.450E+01	5.356E+02	8.493E+01	9.750E+00	6.174E+00	2.303E+02	2.104E+02	1.268E+00
9.000E+33	1.370E+01	5.473E+02	8.544E+01	1.001E+				

TABLE I. - Continued

T	RHO/RHJ-0	H/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+03	1.600E-01	5.469E+02	8.545E+01	9.573E+00	3.943E+00	2.207E+01	1.649E+01	1.319E+00
9.200E+03	1.559E-01	5.374E+02	8.592E+01	1.016E+01	3.950E+00	2.056E+01	1.522E+01	1.374E+00
9.400E+03	1.521E-01	5.672E+02	8.635E+01	1.034E+01	3.972E+00	1.943E+01	1.424E+01	1.347E+00
9.600E+03	1.489E-01	5.764E+02	8.675E+01	1.050E+01	3.983E+00	1.864E+01	1.363E+01	1.356E+00
9.800E+03	1.461E-01	5.857E+02	8.713E+01	1.064E+01	3.993E+00	1.822E+01	1.327E+01	1.361E+00
1.000E+04	1.436E-01	5.948E+02	8.749E+01	1.077E+01	4.004E+00	1.807E+01	1.315E+01	1.363E+00
1.100E+04	1.275E-01	6.411E+02	8.929E+01	1.122E+01	4.048E+00	2.037E+01	1.518E+01	1.330E+00
1.200E+04	1.131E-01	6.979E+02	9.124E+01	1.160E+01	4.111E+00	2.626E+01	2.015E+01	1.284E+00
1.300E+04	1.038E-01	7.730E+02	9.372E+01	1.204E+01	4.209E+00	3.511E+01	2.739E+01	1.250E+00
1.400E+04	9.711E-02	8.734E+02	9.673E+01	1.262E+01	4.359E+00	4.677E+01	3.654E+01	1.230E+00
1.500E+04	8.297E+02	1.006E+03	1.304E+02	1.332E+01	4.562E+00	6.073E+01	4.658E+01	1.219E+00
1.600E+04	7.335E+02	1.174E+03	1.064E+02	1.413E+01	4.835E+00	7.573E+01	5.759E+01	1.219E+00
1.700E+04	6.456E+02	1.378E+03	1.098E+02	1.508E+01	5.173E+00	9.949E+01	6.672E+01	1.216E+00
1.800E+04	5.673E+02	1.611E+03	1.153E+02	1.612E+01	5.561E+00	9.903E+01	7.252E+01	1.222E+00
1.900E+04	5.005E+02	1.861E+03	1.207E+02	1.723E+01	5.971E+00	1.018E+02	7.359E+01	1.231E+00
2.000E+04	4.457E+02	2.107E+03	1.258E+02	1.836E+01	6.369E+00	9.723E+01	6.973E+01	1.245E+00
2.100E+04	4.023E+02	2.335E+03	1.304E+02	1.949E+01	6.725E+00	8.712E+01	6.221E+01	1.264E+00
2.200E+04	3.675E+02	2.595E+03	1.361E+02	2.057E+01	7.022E+00	7.461E+01	5.304E+01	1.288E+00
2.300E+04	3.432E+02	2.706E+03	1.372E+02	2.161E+01	6.258E+00	6.252E+01	4.419E+01	1.316E+00
2.400E+04	3.142E+02	2.845E+03	1.390E+02	2.240E+01	7.435E+00	5.269E+01	3.674E+01	1.346E+00
2.500E+04	3.004E+02	2.964E+03	1.416E+02	2.353E+01	7.569E+00	4.499E+01	3.117E+01	1.376E+00
2.600E+04	2.847E+02	3.069E+03	1.433E+02	2.456E+01	7.671E+00	4.000E+01	2.748E+01	1.400E+00
2.700E+04	2.713E+02	3.164E+03	1.447E+02	2.508E+01	7.751E+00	3.726E+01	2.354E+01	1.411E+00
2.800E+04	2.594E+02	3.246E+03	1.460E+02	2.540E+01	7.817E+00	3.653E+01	2.570E+01	1.409E+00
2.900E+04	2.448E+02	3.365E+03	1.473E+02	2.601E+01	7.877E+00	3.763E+01	2.631E+01	1.393E+00
3.000E+04	2.345E+02	3.461E+03	1.487E+02	2.633E+01	7.935E+00	4.032E+01	2.867E+01	1.370E+00
3.100E+04	2.290E+02	3.549E+03	1.500E+02	2.644E+01	7.998E+00	4.642E+01	3.198E+01	1.347E+00
3.200E+04	2.144E+02	3.600E+03	1.515E+02	2.698E+01	8.067E+00	4.880E+01	3.574E+01	1.327E+00
3.300E+04	2.112E+02	3.786E+03	1.531E+02	2.739E+01	8.145E+00	5.327E+01	3.933E+01	1.313E+00
3.400E+04	2.029E+02	3.922E+03	1.567E+02	2.786E+01	8.229E+00	5.682E+01	4.210E+01	1.304E+00
3.500E+04	1.950E+02	4.066E+03	1.584E+02	2.840E+01	8.318E+00	5.803E+01	4.359E+01	1.303E+00
3.600E+04	1.876E+02	4.217E+03	1.598E+02	2.900E+01	8.407E+00	5.906E+01	4.364E+01	1.307E+00
3.700E+04	1.837E+02	4.354E+03	1.597E+02	2.993E+01	8.493E+00	5.763E+01	4.239E+01	1.314E+00
3.800E+04	1.743E+02	4.494E+03	1.612E+02	3.030E+01	8.573E+00	5.505E+01	4.022E+01	1.326E+00
3.900E+04	1.649E+02	4.625E+03	1.626E+02	3.098E+01	8.645E+00	5.186E+01	3.761E+01	1.339E+00
4.000E+04	1.630E+02	4.769E+03	1.638E+02	3.166E+01	8.707E+00	4.661E+01	3.457E+01	1.354E+00
4.100E+04	1.581E+02	4.905E+03	1.650E+02	3.232E+01	8.762E+00	4.573E+01	3.265E+01	1.368E+00
4.200E+04	1.543E+02	4.975E+03	1.661E+02	3.293E+01	8.809E+00	4.369E+01	3.088E+01	1.379E+00
4.300E+04	1.491E+02	5.081E+03	1.671E+02	3.348E+01	8.850E+00	4.208E+01	2.979E+01	1.386E+00
4.400E+04	1.453E+02	5.181E+03	1.680E+02	3.395E+01	8.888E+00	4.156E+01	2.944E+01	1.387E+00
4.500E+04	1.414E+02	5.280E+03	1.690E+02	3.434E+01	8.923E+00	4.196E+01	2.984E+01	1.392E+00
4.600E+04	1.378E+02	5.391E+03	1.699E+02	3.466E+01	8.957E+00	4.326E+01	3.103E+01	1.372E+00
4.700E+04	1.343E+02	5.500E+03	1.709E+02	3.493E+01	8.993E+00	4.539E+01	3.207E+01	1.356E+00
4.800E+04	1.310E+02	5.616E+03	1.718E+02	3.518E+01	9.030E+00	4.624E+01	3.520E+01	1.343E+00
4.900E+04	1.277E+02	5.729E+03	1.729E+02	3.544E+01	9.072E+00	5.162E+01	3.910E+01	1.329E+00
5.000E+04	1.246E+02	5.870E+03	1.746E+02	3.571E+01	9.117E+00	5.529E+01	4.113E+01	1.314E+00

P/PO = 1.60E+01

T	RHO/RHJ-0	H/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+03	9.534E+00	-1.036E+00	2.773E+01	1.313E+00	1.345E+00	2.929E+01	2.210E+01	1.188E+00
6.000E+03	6.201E+00	4.263E+00	3.136E+01	1.691E+00	1.764E+00	2.531E+01	1.804E+01	1.227E+00
7.000E+03	6.419E+00	1.091E+01	3.603E+01	1.924E+00	1.923E+00	1.301E+01	9.716E+00	1.249E+00
8.000E+03	6.104E+00	1.370E+01	3.674E+01	2.127E+00	1.975E+00	8.910E+00	6.534E+00	1.346E+00
9.000E+03	5.825E+00	1.564E+01	3.842E+01	2.240E+00	1.990E+00	7.868E+00	5.735E+00	1.365E+00
1.000E+04	5.252E+00	1.733E+01	3.923E+01	2.407E+00	1.995E+00	7.617E+00	5.561E+00	1.347E+00
1.100E+04	4.945E+00	1.922E+01	3.999E+01	2.523E+00	1.997E+00	7.591E+00	5.564E+00	1.363E+00
1.200E+04	4.706E+00	2.106E+01	4.062E+01	2.630E+00	1.998E+00	7.439E+00	5.626E+00	1.357E+00
1.300E+04	4.527E+00	2.306E+01	4.124E+01	2.732E+00	1.999E+00	7.175E+00	5.707E+00	1.351E+00
1.400E+04	4.318E+00	2.518E+01	4.181E+01	2.830E+00	1.999E+00	7.000E+00	5.765E+00	1.346E+00
1.500E+04	4.163E+00	2.724E+01	4.236E+01	2.923E+00	2.020E+00	6.988E+00	5.884E+00	1.340E+00
1.600E+04	3.922E+00	2.927E+01	3.913E+01	2.930E+00	2.030E+00	7.976E+00	5.976E+00	1.335E+00
1.700E+04	3.690E+00	3.086E+01	3.636E+01	3.100E+00	2.000E+00	8.067E+00	6.044E+00	1.330E+00
1.800E+04	3.453E+00	3.281E+01	3.402E+01	3.184E+00	2.000E+00	8.162E+00	6.139E+00	1.325E+00
1.900E+04	3.228E+00	3.486E+01	3.427E+01	3.265E+00	2.000E+00	8.270E+00	6.264E+00	1.320E+00
2.000E+04	3.027E+00	3.691E+01	3.470E+01	3.343E+00	2.000E+00	8.397E+00	6.387E+00	1.315E+00
2.100E+04	2.855E+00	3.901E+01	3.512E+01	3.414E+00	2.001E+00	8.518E+00	6.559E+00	1.308E+00
2.200E+04	2.718E+00	4.115E+01	3.552E+01	3.490E+00	2.001F+00	8.651E+00	6.736E+00	1.301E+00
2.300E+04	2.607E+00	4.336E+01	3.592E+01	3.557E+00	2.002E+00	8.774E+00	6.906E+00	1.293E+00
2.400E+04	2.510E+00	4.566E+01	3.632E+01	3.622E+00	2.003E+00	8.896E+00	7.074E+00	1.283E+00
2.500E+04	2.424E+00	4.803E+01	3.671E+01	3.683E+00	2.003E+00	8.955E+00	7.231E+00	1.273E+00
2.600E+04	2.343E+00	5.055E+01	3.711E+01	3.742E+00	2.000E+00	9.006E+00	7.367E+00	1.262E+00
2.700E+04	2.273E+00	5.323E+01	3.752E+01	3.799E+00	2.012E+00	9.118E+00	7.491E+00	1.250E+00
2.800E+04	2.214E+00	5.611E+01	3.795E+01	3.850E+00	2.018E+00	9.210E+00	7.595E+00	1.238E+00
2.900E+04	2.165E+00	5.924E+01	3.839E+01	3.914E+00	2.025E+00	9.320E+00	7.695E+00	1.227E+00
3.000E+04	2.126E+00	6.267E+01	3.887E+01	3.973E+00	2.034E+00	9.411E+00	7.794E+00	1.217E+00
3.100E+04	2.093E+00	6.646E+01	4.977E+01	4.035E+00	2.046E+00	9.509E+00	7.894E+00	1.208E+00
3.200E+04	2.064E+00	7.064E+01	4.941E+01	4.101E+00	2.060E+00	9.602E+00	7.984E+00	1.200E+00
3.300E+04	2.041E+00	7.531E+01	5.049E+01	4.171E+00	2.078E+00	9.694E+00	8.074E+00	1.194E+00

TABLE I. - Continued

T	RHO/R4D-0	H/RTO	S/H	A/AJ	L	C/P/R	CV/R	GAMMA
3.400E+33	9.088E-01	8.069E+01	5.112E+01	4.267E+00	2.100E+00	2.209E+01	1.816E+01	1.109E+00
3.500E+33	8.721E-01	8.626E+01	5.180E+01	4.329E+00	2.126E+00	2.457E+01	2.015E+01	1.103E+00
3.600E+33	8.399E-01	9.267E+01	5.253E+01	4.417E+00	2.156E+00	2.726E+01	2.227E+01	1.102E+00
3.700E+33	8.032E-01	9.976E+01	5.332E+01	4.511E+00	2.192E+00	3.012E+01	2.447E+01	1.101E+00
3.800E+33	7.651E-01	1.076E+02	5.417E+01	4.613E+00	2.232E+00	3.311E+01	2.672E+01	1.100E+00
3.900E+33	7.305E-01	1.161E+02	5.507E+01	4.721E+00	2.278E+00	3.615E+01	2.894E+01	1.101E+00
4.000E+33	6.967E-01	1.254E+02	5.603E+01	4.837E+00	2.329E+00	3.916E+01	3.109E+01	1.102E+00
4.100E+33	6.637E-01	1.354E+02	5.703E+01	4.959E+00	2.385E+00	4.204E+01	3.308E+01	1.103E+00
4.200E+33	6.318E-01	1.461E+02	5.808E+01	5.086E+00	2.445E+00	4.466E+01	3.483E+01	1.104E+00
4.300E+33	6.011E-01	1.574E+02	5.916E+01	5.223E+00	2.510E+00	4.692E+01	3.627E+01	1.105E+00
4.400E+33	5.719E-01	1.692E+02	6.026E+01	5.363E+00	2.579E+00	4.867E+01	3.733E+01	1.106E+00
4.500E+33	5.462E-01	1.814E+02	6.136E+01	5.507E+00	2.649E+00	4.982E+01	3.754E+01	1.107E+00
4.600E+33	5.193E-01	1.937E+02	6.247E+01	5.653E+00	2.721E+00	5.030E+01	3.808E+01	1.201E+00
4.700E+33	4.943E-01	2.061E+02	6.355E+01	5.801E+00	2.793E+00	5.408E+01	3.774E+01	1.204E+00
4.800E+33	4.721E-01	2.184E+02	6.469E+01	5.950E+00	2.864E+00	4.919E+01	3.644E+01	1.212E+00
4.900E+33	4.518E-01	2.303E+02	6.559E+01	6.097E+00	2.932E+00	4.771E+01	3.574E+01	1.218E+00
5.000E+33	4.331E-01	2.410E+02	6.654E+01	6.243E+00	2.996E+00	4.576E+01	3.423E+01	1.224E+00
5.200E+33	4.039E-01	2.632E+02	6.824E+01	6.524E+00	3.113E+00	4.102E+01	3.066E+01	1.237E+00
5.400E+33	3.764E-01	2.822E+02	6.969E+01	6.788E+00	3.210E+00	3.615E+01	2.705E+01	1.251E+00
5.600E+33	3.521E-01	2.949E+02	7.092E+01	7.024E+00	3.294E+00	3.200E+01	2.399E+01	1.262E+00
5.800E+33	3.337E-01	3.138E+02	7.198E+01	7.259E+00	3.352E+00	2.900E+01	2.101E+01	1.270E+00
6.000E+33	3.177E-01	3.276E+02	7.294E+01	7.463E+00	2.405E+00	2.721E+01	2.057E+01	1.273E+00
6.200E+33	3.034E-01	3.406E+02	7.381E+01	7.559E+00	2.462E+00	2.652E+01	2.020E+01	1.270E+00
6.400E+33	2.936E-01	3.539E+02	7.466E+01	7.747E+00	2.548E+00	2.677E+01	1.953E+01	1.264E+00
6.600E+33	2.738E-01	3.672E+02	7.546E+01	7.884E+00	2.524E+00	2.761E+01	2.130E+01	1.257E+00
6.800E+33	2.670E-01	3.811E+02	7.633E+01	8.020E+00	2.563E+00	2.891E+01	2.254E+01	1.249E+00
7.000E+33	2.576E-01	3.957E+02	7.719E+01	8.159E+00	2.601E+00	3.039E+01	2.301E+01	1.243E+00
7.200E+33	2.476E-01	4.111E+02	7.867E+01	8.305E+00	3.639E+00	3.178E+01	2.497E+01	1.238E+00
7.400E+33	2.384E-01	4.270E+02	7.955E+01	8.459E+00	3.679E+00	3.205E+01	2.564E+01	1.237E+00
7.600E+33	2.296E-01	4.434E+02	8.084E+01	8.621E+00	3.718E+00	3.319E+01	2.624E+01	1.237E+00
7.800E+33	2.214E-01	4.598E+02	8.207E+01	8.792E+00	3.758E+00	3.329E+01	2.606E+01	1.241E+00
8.000E+33	2.137E-01	4.760E+02	8.384E+01	8.970E+00	3.795E+00	3.230E+01	2.578E+01	1.247E+00
8.200E+33	2.066E-01	4.917E+02	8.523E+01	9.156E+00	3.831E+00	3.389E+01	2.358E+01	1.246E+00
8.400E+33	2.000E-01	5.064E+02	8.656E+01	9.345E+00	3.862E+00	2.494E+01	2.231E+01	1.267E+00
8.600E+33	1.934E-01	5.202E+02	8.869E+01	9.545E+00	3.890E+00	2.478E+01	2.168E+01	1.261E+00
8.800E+33	1.864E-01	5.328E+02	9.049E+01	9.746E+00	3.918E+00	2.465E+01	2.106E+01	1.259E+00
9.000E+33	1.802E-01	5.445E+02	9.248E+01	9.942E+00	3.937E+00	2.377E+01	1.703E+01	1.313E+00
9.200E+33	1.749E-01	5.553E+02	9.430E+01	1.013E+01	3.951E+00	2.111E+01	1.567E+01	1.329E+00
9.400E+33	1.701E-01	5.654E+02	9.615E+01	1.031E+01	3.966E+00	1.988E+01	1.461E+01	1.363E+00
9.600E+33	1.663E-01	5.749E+02	9.815E+01	1.047E+01	3.978E+00	1.896E+01	1.387E+01	1.353E+00
9.800E+33	1.630E-01	5.841E+02	1.002E+02	1.063E+01	3.989E+00	1.840E+01	1.360E+01	1.363E+00
1.000E+34	1.602E-01	5.931E+02	1.023E+02	1.076E+01	3.998E+00	1.812E+01	1.319E+01	1.363E+00
1.100E+34	1.545E-01	6.311E+02	1.068E+02	1.124E+01	4.043E+00	1.895E+01	1.481E+01	1.335E+00
1.200E+34	1.313E-01	1.163E+02	1.162E+02	1.162E+01	4.103E+00	2.536E+01	1.939E+01	1.294E+00
1.300E+34	1.190E-01	1.746E+02	1.296E+02	1.202E+01	4.155E+00	3.364E+01	2.417E+01	1.259E+00
1.400E+34	1.070E-01	2.426E+02	1.464E+02	1.261E+01	4.332E+00	4.460E+01	3.482E+01	1.231E+00
1.500E+34	9.557E-02	4.883E+02	9.935E+01	1.320E+01	4.526E+00	5.782E+01	6.478E+01	1.211E+00
1.600E+34	8.471E-02	1.149E+02	1.035F+01	1.407E+01	5.784E+00	7.225E+01	9.566E+01	1.216E+00
1.700E+34	7.479E-02	1.346E+03	1.003E+06	1.494E+01	3.498E+00	8.107E+01	1.319E+01	1.337E+00
1.800E+34	6.595E-02	1.599E+02	1.136E+02	1.599E+01	5.479E+00	9.601E+01	2.048E+01	1.221E+00
1.900E+34	5.815E-02	1.812E+02	1.189E+02	1.708E+01	5.073E+00	1.201E+02	7.248E+01	1.230E+00
2.000E+34	5.171E-02	2.057E+02	1.260E+02	1.820E+01	6.267E+00	9.728E+01	6.978E+01	1.243E+00
2.100E+34	4.606E-02	2.402E+02	1.289E+02	1.931E+01	5.628E+00	8.666E+01	6.327E+01	1.260E+00
2.200E+34	4.125E-02	2.625E+02	1.324E+02	2.039E+01	5.936E+00	7.724E+01	5.675E+01	1.285E+00
2.300E+34	3.629E-02	2.867E+02	1.356E+02	2.144E+01	6.784E+00	6.519E+01	4.606E+01	1.309E+00
2.400E+34	3.268E-02	3.166E+02	1.394E+02	2.246E+01	7.177E+00	5.922E+01	3.049E+01	1.334E+00
2.500E+34	2.950E-02	3.437E+02	1.436E+02	2.353E+01	7.475E+00	4.601E+01	2.048E+01	1.221E+00
2.600E+34	2.672E-02	3.048E+02	1.471E+02	2.423E+01	7.678E+00	4.144E+01	2.89CE+01	1.305E+00
2.700E+34	2.415E-02	3.146E+02	1.513E+02	2.497E+01	7.715E+00	3.814E+01	2.617E+01	1.268E+00
2.800E+34	2.197E-02	3.238E+02	1.544E+02	2.556E+01	7.746E+00	3.706E+01	2.533E+01	1.241E+00
2.933E+34	2.051E-02	3.296E+02	1.661E+02	2.601E+01	7.846E+00	3.735E+01	2.597E+01	1.348E+00
3.000E+34	2.713E-02	3.423E+02	1.747E+02	2.736E+01	7.907E+00	3.947E+01	2.788E+01	1.378E+00
3.100E+34	2.667E-02	3.667E+02	1.841E+02	2.846E+01	7.977E+00	5.922E+01	3.079E+01	1.339E+00
3.200E+34	2.523E-02	3.939E+02	1.940E+02	2.935E+01	8.047E+00	6.698E+01	3.295E+01	1.368E+00
3.300E+34	2.424E-02	3.757E+02	1.931E+02	2.799E+01	8.110E+00	5.152E+01	3.784E+01	1.319E+00
3.400E+34	2.330E-02	3.899E+02	1.932E+02	2.764E+01	8.192E+00	5.929E+01	4.004E+01	1.359E+00
3.500E+34	2.239E-02	4.029E+02	1.949E+02	2.836E+01	8.278E+00	5.708E+01	4.276E+01	1.304E+00
3.600E+34	2.157E-02	4.126E+02	1.961E+02	2.893E+01	8.367E+00	5.869E+01	4.330E+01	1.347E+00
3.700E+34	2.075E-02	4.235E+02	1.974E+02	2.947E+01	8.455E+00	5.707E+01	4.275E+01	1.313E+00
3.800E+34	1.992E-02	4.347E+02	1.987E+02	3.020E+01	8.535E+00	5.979E+01	4.079E+01	1.321E+00
3.900E+34	1.913E-02	4.459E+02	1.998E+02	3.087E+01	8.609E+00	5.291E+01	3.842E+01	1.337E+00
4.000E+34	1.833E-02	4.571E+02	2.011E+02	3.159E+01	8.675E+00	4.978E+01	3.587E+01	1.346E+00
4.100E+34	1.753E-02	4.683E+02	2.023E+02	3.221E+01	8.733E+00	4.683E+01	3.349E+01	1.342E+00
4.200E+34	1.673E-02	4.795E+02	2.035E+02	3.284E+01	8.794E+00	4.460E+01	3.156E+01	1.355E+00
4.300E+34	1.600E-02	4.907E+02	2.047E+02	3.341E+01	8.857E+00	4.209E+01	3.022E+01	1.347E+00
4.400E+34	1.531E-02	5.018E+02	2.059E+02	3.392E+01	8.926E+00	3.986E+01	2.947E+01	1.337E+00
4.500E+34	1.462E-02	5.129E+02	2.071E+02	3.454E+01	9.001E+00	3.767E+01	2.866E+01	1.337E+00
4.600E+34	1.400E-02	5.240E+02	2.083E+02	3.516E+01	9.084E+00	3.547E+01	2.787E+01	1.337E+00
4.700E+34	1.339E-02	5.341E+02	2.095E+02	3.578E+01	9.167E+00	3.328E+01	2.707E+01	1.337E+00
4.800E+34	1.280E-02	5.442E+02	2.107E+02	3.640E+01	9.250E+00	3.111E+01	2.627E+01	1.337E+00
4.900E+34	1.222E-02	5.543E+02	2.119E+02	3.702E+01	9.333E+00	2.892E+01	2.547E+01	1.337E+00
5.030E+34	1.164E-02	5.644E+02	2.131E+02	3.764E+01	9.416E+00	2.673E+01	2.467E+01	1.337E+00

TABLE I. - Continued

P/PD = 1.00E+01

T	RHO/RHO-0	H/ATC	S/R	A/AO	Z	C/SR	CV/R	GAMMA
5.000E+02	1.004E+01	-1.341E+00	2.735E+01	1.304E+00	1.347E+00	2.039E+01	2.147E+01	1.130E+00
6.000E+02	7.057E+00	5.950E+00	3.275E+01	1.640E+00	1.724E+00	2.596E+01	1.929E+01	1.222E+00
7.000E+02	5.645E+00	1.067E+01	3.972E+01	1.916E+00	1.915E+00	1.334E+01	1.813E+01	1.299E+00
8.000E+02	4.624E+00	1.339E+01	3.710E+01	2.123E+00	1.972E+00	9.128E+00	6.082E+00	1.364E+00
9.000E+02	4.079E+00	1.542E+01	3.817E+01	2.276E+00	1.999E+00	7.930E+00	5.787E+00	1.364E+00
1.000E+03	3.646E+00	1.739E+01	3.899E+01	2.407E+00	1.995E+00	7.444E+00	5.501E+00	1.364E+00
1.100E+03	3.323E+00	1.921E+01	3.972E+01	2.922E+00	1.997E+00	7.663E+00	5.373E+00	1.362E+00
1.200E+03	3.044E+00	2.110E+01	4.034E+01	2.630E+00	1.998E+00	7.644E+00	5.330E+00	1.357E+00
1.300E+03	2.669E+00	2.200E+01	4.100E+01	2.732E+00	1.999E+00	7.718E+00	5.700E+00	1.351E+00
1.400E+03	2.008E+00	2.091E+01	4.193E+01	2.829E+00	1.999E+00	7.802E+00	5.794E+00	1.344E+00
1.500E+03	2.444E+00	2.085E+01	4.212E+01	2.923E+00	1.999E+00	7.859E+00	5.805E+00	1.348E+00
1.600E+03	2.282E+00	4.062E+01	4.263E+01	3.013E+00	2.000E+00	7.977E+00	5.974E+00	1.349E+00
1.700E+03	2.167E+00	3.008E+01	4.312E+01	3.100E+00	2.000E+00	8.046E+00	6.044E+00	1.350E+00
1.800E+03	2.028E+00	3.201E+01	4.359E+01	3.194E+00	2.000E+00	8.161E+00	6.157E+00	1.325E+00
1.900E+03	1.921E+00	3.498E+01	4.403E+01	3.266E+00	2.000E+00	8.244E+00	6.246E+00	1.328E+00
2.000E+03	1.829E+00	3.691E+01	4.466E+01	3.344E+00	2.000E+00	8.390E+00	6.380E+00	1.315E+00
2.100E+03	1.738E+00	3.890E+01	4.519E+01	3.419E+00	2.000E+00	8.543E+00	6.527E+00	1.300E+00
2.200E+03	1.658E+00	4.115E+01	4.570E+01	3.499E+00	2.001E+00	8.744E+00	6.714E+00	1.302E+00
2.300E+03	1.595E+00	4.334E+01	4.630E+01	3.559E+00	2.002E+00	9.003E+00	6.933E+00	1.299E+00
2.400E+03	1.541E+00	4.562E+01	4.687E+01	3.623E+00	2.003E+00	9.342E+00	7.265E+00	1.289E+00
2.500E+03	1.496E+00	4.799E+01	4.747E+01	3.685E+00	2.005E+00	9.700E+00	7.603E+00	1.275E+00
2.600E+03	1.398E+00	5.048E+01	4.808E+01	3.746E+00	2.008E+00	1.034E+01	8.106E+00	1.264E+00
2.700E+03	1.364E+00	5.313E+01	4.872E+01	3.802E+00	2.011E+00	1.104E+01	8.790E+00	1.252E+00
2.800E+03	1.293E+00	5.597E+01	4.949E+01	3.895E+00	2.017E+00	1.190E+01	9.551E+00	1.241E+00
2.900E+03	1.244E+00	5.905E+01	4.813E+01	3.916E+00	2.023E+00	1.294E+01	1.040E+01	1.230E+00
3.000E+03	1.197E+00	6.241E+01	4.859E+01	3.975E+00	2.032E+00	1.418E+01	1.154E+01	1.219E+00
3.100E+03	1.153E+00	6.610E+01	4.900E+01	4.037E+00	2.043E+00	1.564E+01	1.278E+01	1.210E+00
3.200E+03	1.109E+00	7.010E+01	4.961E+01	4.102E+00	2.057E+00	1.731E+01	1.420E+01	1.203E+00
3.300E+03	1.067E+00	7.470E+01	5.017E+01	4.171E+00	2.074E+00	1.922E+01	1.579E+01	1.191E+00
3.400E+03	1.025E+00	7.972E+01	5.078E+01	4.245E+00	2.094E+00	2.135E+01	1.754E+01	1.191E+00
3.500E+03	9.844E-01	8.529E+01	5.146E+01	4.319E+00	2.115E+00	2.371E+01	1.944E+01	1.187E+00
3.600E+03	9.442E-01	9.147E+01	5.215E+01	4.411E+00	2.147E+00	2.626E+01	2.146E+01	1.184E+00
3.700E+03	9.047E-01	9.829E+01	5.280E+01	4.503E+00	2.181E+00	2.999E+01	2.357E+01	1.182E+00
3.800E+03	8.647E-01	1.058E+02	5.372E+01	4.602E+00	2.219E+00	3.184E+01	2.573E+01	1.182E+00
3.900E+03	8.273E-01	1.140E+02	5.459E+01	4.700E+00	2.246E+00	3.377E+01	2.788E+01	1.182E+00
4.000E+03	7.907E-01	1.230E+02	5.531E+01	4.820E+00	2.211E+00	3.570E+01	2.998E+01	1.183E+00
4.100E+03	7.531E-01	1.324E+02	5.605E+01	4.920E+00	2.245E+00	3.763E+01	3.194E+01	1.184E+00
4.200E+03	7.175E-01	1.423E+02	5.746E+01	5.045E+00	2.275E+00	3.931E+01	3.373E+01	1.185E+00
4.300E+03	6.832E-01	1.523E+02	5.853E+01	5.172E+00	2.305E+00	4.136E+01	3.533E+01	1.186E+00
4.400E+03	6.565E-01	1.624E+02	5.940E+01	5.334E+00	2.351E+00	4.373E+01	3.639E+01	1.185E+00
4.500E+03	6.319E-01	1.727E+02	6.036E+01	5.475E+00	2.391E+00	4.627E+01	3.716E+01	1.186E+00
4.600E+03	6.090E-01	1.836E+02	6.176E+01	5.619E+00	2.490E+00	4.966E+01	3.796E+01	1.201E+00
4.700E+03	5.867E-01	1.947E+02	6.283E+01	5.766E+00	2.760E+00	5.353E+01	3.735E+01	1.205E+00
4.800E+03	5.637E-01	2.067E+02	6.386E+01	5.913E+00	4.400E+00	5.799E+01	3.678E+01	1.211E+00
4.900E+03	5.410E-01	2.186E+02	6.486E+01	6.068E+00	2.899E+00	6.733E+01	3.591E+01	1.210E+00
5.000E+03	5.192E-01	2.307E+02	6.581E+01	6.205E+00	2.966E+00	6.175E+01	3.490E+01	1.222E+00
5.200E+03	4.554E-01	2.498E+02	6.754E+01	6.487E+00	3.082E+00	4.166E+01	3.124E+01	1.235E+00
5.400E+03	4.247E-01	2.783E+02	6.936E+01	6.754E+00	3.103E+00	3.716E+01	2.717E+01	1.246E+00
5.600E+03	3.991E-01	2.936E+02	7.030E+01	6.999E+00	3.266E+00	3.256E+01	2.446E+01	1.205E+00
5.800E+03	3.776E+00	3.141E+02	7.139E+01	7.220E+00	3.333E+00	2.977E+01	2.234E+01	1.249E+00
6.000E+03	3.591E+00	3.250E+02	7.236E+01	7.161E+00	3.388E+00	2.717E+01	2.091E+01	1.273E+00
6.200E+03	3.424E+00	3.346E+02	7.345E+01	7.387E+00	3.435E+00	2.676E+01	2.034E+01	1.271E+00
6.400E+03	3.261E+00	3.451E+02	7.456E+01	7.749E+00	3.767E+00	2.617E+01	2.046E+01	1.264E+00
6.600E+03	3.104E+00	3.564E+02	7.563E+01	7.979E+00	3.916E+00	2.572E+01	2.025E+01	1.258E+00
6.800E+03	3.022E+00	3.786E+02	7.670E+01	8.016E+00	3.552E+00	2.537E+01	2.005E+01	1.250E+00
7.000E+03	2.906E+00	3.930E+02	7.661E+01	8.153E+00	3.599E+00	2.493E+01	1.994E+01	1.245E+00
7.200E+03	2.797E+00	4.081E+02	7.747E+01	8.299E+00	3.627E+00	2.432E+01	1.955E+01	1.238E+00
7.400E+03	2.691E+00	4.239E+02	7.835E+01	8.510E+00	3.666E+00	2.369E+01	1.914E+01	1.230E+00
7.600E+03	2.592E+00	4.400E+02	7.922E+01	8.610E+00	3.706E+00	2.310E+01	1.869E+01	1.228E+00
7.800E+03	2.496E+00	4.564E+02	8.008E+01	8.705E+00	3.747E+00	2.250E+01	1.824E+01	1.224E+00
8.000E+03	2.412E+00	4.726E+02	8.091E+01	8.795E+00	3.785E+00	2.182E+01	1.784E+01	1.220E+00
8.200E+03	2.331E+00	4.883E+02	8.170E+01	8.937E+00	3.819E+00	2.121E+01	1.744E+01	1.214E+00
8.400E+03	2.256E+00	5.038E+02	8.246E+01	9.026E+00	3.851E+00	2.064E+01	1.704E+01	1.208E+00
8.600E+03	2.187E+00	5.173E+02	8.310E+01	9.026E+00	3.880E+00	2.012E+01	1.664E+01	1.202E+00
8.800E+03	2.126E+00	5.310E+02	8.371E+01	9.173E+00	3.905E+00	1.952E+01	1.624E+01	1.196E+00
9.000E+03	2.066E+00	5.452E+02	8.425E+01	9.316E+00	3.927E+00	1.892E+01	1.584E+01	1.190E+00
9.200E+03	2.011E+00	5.593E+02	8.475E+01	9.415E+00	3.945E+00	1.832E+01	1.544E+01	1.184E+00
9.400E+03	1.961E+00	5.636E+02	8.522E+01	9.429E+00	3.960E+00	1.772E+01	1.504E+01	1.180E+00
9.600E+03	1.914E+00	5.734E+02	8.561E+01	9.446E+00	3.974E+00	1.727E+01	1.464E+01	1.176E+00
9.800E+03	1.877E+00	5.827E+02	8.600E+01	9.465E+00	3.988E+00	1.682E+01	1.424E+01	1.172E+00
1.000E+04	1.842E+00	5.917E+02	8.637E+01	9.484E+00	4.002E+00	1.632E+01	1.384E+01	1.168E+00
1.020E+04	1.808E+00	6.010E+02	8.670E+01	9.501E+00	4.029E+00	1.582E+01	1.344E+01	1.164E+00
1.040E+04	1.775E+00	6.103E+02	8.702E+01	9.520E+00	4.056E+00	1.532E+01	1.304E+01	1.160E+00
1.060E+04	1.743E+00	6.195E+02	8.730E+01	9.540E+00	4.083E+00	1.482E+01	1.264E+01	1.156E+00
1.080E+04	1.712E+00	6.282E+02	8.758E+01	9.560E+00	4.110E+00	1.432E+01	1.224E+01	1.152E+00
1.100E+04	1.682E+00	6.369E+02	8.785E+01	9.580E+00	4.137E+00	1.382E+01	1.184E+01	1.148E+00
1.120E+04	1.653E+00	6.454E+02	8.812E+01	9.600E+00	4.164E+00	1.332E+01	1.144E+01	1.144E+00
1.140E+04	1.625E+00	6.538E+02	8.839E+01	9.620E+00	4.191E+00	1.282E+01	1.104E+01	1.140E+00
1.160E+04	1.598E+00	6.621E+02	8.866E+01	9.640E+00	4.218E+00	1.232E+01	1.064E+01	1.136E+00
1.180E+04	1.572E+00	6.704E+02	8.893E+01	9.660E+00	4.245E+00	1.182E+01	1.024E+01	1.132E+00
1.200E+04	1.547E+00	6.787E+02	8.919E+01	9.680E+00	4.272E+00	1.132E+01	9.84E+00	1.128E+00
1.220E+04	1.523E+00	6.870E+02	8.946E+01	9.700E+00	4.300E+00	1.082E+01	9.45E+00	1.124E+00
1.240E+04	1.500E+00	6.953E+02	8.973E+01	9.720E+00	4.327E+00	1.032E+01	9.06E+00	1.120E+00
1.260E+04	1.478E+00	7.036E+02	9.000E+01	9.740E+00	4.354E+00	9.82E+00	8.67E+00	1.116E+00
1.280E+04	1.457E+00	7.119E+02	9.0					

TABLE I.- Continued

T	RHO/RHO-0	M/RHO	S/R	A/AQ	Z	CP/R	CV/R	GAMMA
2.100E+04	3.319E-02	2.244E+03	1.269E+02	1.910E+01	6.940E+00	8.970E+01	6.399E+01	1.257E+00
2.200E+04	4.041E-02	2.452E+03	1.369E+02	2.024E+01	6.854E+00	7.897E+01	5.409E+01	1.278E+00
3.300E+04	4.444E-02	2.632E+03	1.341E+02	2.129E+01	7.111E+00	6.744E+01	4.765E+01	1.404E+00
2.400E+04	4.159E-02	2.766E+03	1.308E+02	2.229E+01	7.313E+00	5.710E+01	4.002E+01	1.322E+00
2.500E+04	3.910E-02	2.916E+03	1.309E+02	2.324E+01	7.466E+00	4.882E+01	3.399E+01	1.341E+00
2.600E+04	3.709E-02	3.020E+03	1.472E+02	2.411E+01	7.587E+00	4.284E+01	2.948E+01	1.387E+00
2.700E+04	3.520E-02	3.129E+03	1.422E+02	2.488E+01	7.694E+00	3.906E+01	2.679E+01	1.406E+00
2.800E+04	3.232E-02	3.222E+03	1.436E+02	2.551E+01	7.794E+00	3.720E+01	2.556E+01	1.410E+00
3.900E+04	3.219E-02	3.314E+03	1.444E+02	2.600E+01	7.820E+00	3.727E+01	2.500E+01	1.402E+00
3.000E+04	3.088E-02	3.407E+03	1.462E+02	2.638E+01	7.861E+00	3.699E+01	2.731E+01	1.394E+00
3.100E+04	2.939E-02	3.507E+03	1.475E+02	2.707E+01	7.942E+00	4.183E+01	2.987E+01	1.342E+00
3.200E+04	2.849E-02	3.615E+03	1.489E+02	2.763E+01	8.046E+00	4.575E+01	3.313E+01	1.341E+00
3.300E+04	2.713E-02	3.733E+03	1.505E+02	2.740E+01	8.080E+00	5.000E+01	3.659E+01	1.325E+00
3.400E+04	2.631E-02	3.861E+03	1.519E+02	2.783E+01	8.159E+00	5.380E+01	3.977E+01	1.316E+00
3.500E+04	2.530E-02	3.998E+03	1.539E+02	2.833E+01	8.244E+00	5.673E+01	4.186E+01	1.308E+00
3.600E+04	2.434E-02	4.139E+03	1.552E+02	2.888E+01	8.331E+00	5.810E+01	4.203E+01	1.308E+00
3.700E+04	2.344E-02	4.269E+03	1.566E+02	2.940E+01	8.414E+00	5.787E+01	4.253E+01	1.313E+00
3.800E+04	2.260E-02	4.424E+03	1.583E+02	3.012E+01	8.500E+00	5.627E+01	4.114E+01	1.321E+00
3.900E+04	2.182E-02	4.559E+03	1.597E+02	3.070E+01	8.577E+00	5.373E+01	3.904E+01	1.332E+00
4.000E+04	2.111E-02	4.686E+03	1.610E+02	3.142E+01	8.645E+00	5.076E+01	3.662E+01	1.305E+00
4.100E+04	2.045E-02	4.810E+03	1.623E+02	3.211E+01	8.704E+00	4.782E+01	3.235E+01	1.359E+00
4.200E+04	1.964E-02	4.942E+03	1.636E+02	3.279E+01	8.758E+00	4.526E+01	3.220E+01	1.372E+00
4.300E+04	1.928E-02	5.033E+03	1.644E+02	3.334E+01	8.804E+00	4.322E+01	3.068E+01	1.301E+00
4.400E+04	1.874E-02	5.139E+03	1.654E+02	3.387E+01	8.845E+00	4.219E+01	2.980E+01	1.367E+00
4.500E+04	1.826E-02	5.242E+03	1.663E+02	3.432E+01	8.883E+00	4.101E+01	2.908E+01	1.306E+00
4.600E+04	1.779E-02	5.346E+03	1.673E+02	3.470E+01	8.918E+00	4.023E+01	3.010E+01	1.308E+00
4.700E+04	1.733E-02	5.451E+03	1.682E+02	3.520E+01	8.953E+00	3.936E+01	3.127E+01	1.371E+00
4.800E+04	1.692E-02	5.561E+03	1.691E+02	3.529E+01	8.984E+00	4.571E+01	3.305E+01	1.336E+00
4.900E+04	1.650E-02	5.677E+03	1.701E+02	3.559E+01	9.028E+00	4.842E+01	3.514E+01	1.344E+00
5.000E+04	1.610E-02	5.800E+03	1.711E+02	3.582E+01	9.069E+00	5.159E+01	3.794E+01	1.331E+00

P/P0 = 2.00E+01

T	RHO/RHO-0	M/RHO	S/R	A/AQ	Z	CP/R	CV/R	GAMMA
5.300E+04	1.218E+01	-1.580E+00	4.702E+01	1.247E+00	1.331E+00	4.757E+01	2.069E+01	1.100E+00
6.000E+02	7.925E+00	5.660E+00	3.237E+01	1.630E+00	1.700E+00	4.677E+01	1.963E+01	1.228E+00
7.000E+02	6.076E+00	1.034E+01	3.545E+01	1.595E+00	1.907E+00	4.059E+01	1.052E+01	1.205E+00
8.000E+02	5.150E+00	1.330E+01	3.655E+01	2.119E+00	1.969E+00	9.297E+00	6.827E+00	1.311E+00
9.000E+02	4.555E+00	1.540E+01	3.759E+01	2.170E+00	1.987E+00	8.036E+00	5.848E+00	1.343E+00
1.000E+03	4.008E+00	1.733E+01	3.874E+01	2.404E+00	1.997E+00	7.071E+00	5.601E+00	1.346E+00
1.100E+03	3.693E+00	1.921E+01	3.951E+01	2.522E+00	1.997E+00	7.016E+00	5.582E+00	1.342E+00
1.200E+03	3.383E+00	2.109E+01	4.017E+01	2.5E+00	1.986E+00	7.052E+00	5.634E+00	1.357E+00
1.300E+03	3.121E+00	2.299E+01	4.076E+01	2.732E+00	1.999E+00	7.122E+00	5.711E+00	1.351E+00
1.400E+03	2.885E+00	2.491E+01	4.137E+01	2.829E+00	1.995E+00	7.186E+00	5.797E+00	1.346E+00
1.500E+03	2.704E+00	2.645E+01	4.191E+01	2.923E+00	1.999E+00	7.190E+00	5.866E+00	1.348E+00
1.600E+03	2.523E+00	2.647E+01	4.262E+01	3.013E+00	2.003E+00	7.177E+00	5.976E+00	1.335E+00
1.700E+03	2.386E+00	3.008E+01	4.291E+01	3.100E+00	2.000E+00	8.066E+00	6.063E+00	1.329E+00
1.800E+03	2.238E+00	3.201E+01	4.330E+01	3.184E+00	2.000E+00	8.180E+00	6.156E+00	1.325E+00
1.900E+03	2.135E+00	3.405E+01	4.352E+01	3.260E+00	2.000E+00	8.243E+00	6.257E+00	1.320E+00
2.000E+03	2.028E+00	3.600E+01	4.392E+01	3.364E+00	2.000E+00	8.376E+00	6.376E+00	1.315E+00
2.100E+03	1.943E+00	3.900E+01	4.467E+01	3.419E+00	2.000E+00	8.536E+00	6.517E+00	1.301E+00
2.200E+03	1.851E+00	4.114E+01	4.507E+01	3.691E+00	2.001E+00	8.726E+00	6.697E+00	1.322E+00
2.300E+03	1.761E+00	4.333E+01	4.567E+01	3.760E+00	2.002E+00	8.975E+00	6.924E+00	1.455E+00
2.400E+03	1.681E+00	4.500E+01	4.646E+01	3.825E+00	2.003E+00	9.299E+00	7.226E+00	1.484E+00
2.500E+03	1.618E+00	4.795E+01	4.625E+01	3.887E+00	2.000E+00	9.677E+00	7.604E+00	1.470E+00
2.600E+03	1.559E+00	5.064E+01	4.666E+01	3.707E+00	2.007E+00	1.025E+01	8.029E+00	1.462E+00
2.700E+03	1.504E+00	5.305E+01	4.755E+01	3.806E+00	2.000E+00	1.050E+01	8.376E+00	1.415E+00
2.800E+03	1.453E+00	5.500E+01	4.847E+01	3.916E+00	2.000E+00	1.071E+01	8.536E+00	1.391E+00
2.900E+03	1.411E+00	5.689E+01	4.908E+01	4.011E+00	2.001E+00	1.091E+01	8.695E+00	1.382E+00
3.000E+03	1.373E+00	5.849E+01	4.979E+01	4.113E+00	2.002E+00	1.109E+01	8.802E+00	1.374E+00
3.100E+03	1.332E+00	6.005E+01	5.035E+01	4.213E+00	2.003E+00	1.120E+01	8.902E+00	1.322E+00
3.200E+03	1.292E+00	6.176E+01	5.094E+01	4.313E+00	2.004E+00	1.130E+01	9.002E+00	1.273E+00
3.300E+03	1.253E+00	6.346E+01	5.154E+01	4.413E+00	2.005E+00	1.139E+01	9.102E+00	1.224E+00
3.400E+03	1.216E+00	6.506E+01	5.215E+01	4.513E+00	2.006E+00	1.148E+01	9.202E+00	1.175E+00
3.500E+03	1.181E+00	6.660E+01	5.275E+01	4.613E+00	2.007E+00	1.157E+01	9.302E+00	1.126E+00
3.600E+03	1.147E+00	6.806E+01	5.335E+01	4.713E+00	2.008E+00	1.166E+01	9.402E+00	1.077E+00
3.700E+03	1.114E+00	6.950E+01	5.395E+01	4.813E+00	2.009E+00	1.175E+01	9.502E+00	1.028E+00
3.800E+03	1.082E+00	7.090E+01	5.455E+01	4.913E+00	2.010E+00	1.184E+01	9.602E+00	9.794E+00
3.900E+03	1.051E+00	7.230E+01	5.515E+01	5.013E+00	2.011E+00	1.193E+01	9.702E+00	9.385E+00
4.000E+03	1.021E+00	7.370E+01	5.575E+01	5.113E+00	2.012E+00	1.202E+01	9.802E+00	9.075E+00
4.100E+03	9.910E+00	7.500E+01	5.635E+01	5.213E+00	2.013E+00	1.211E+01	9.902E+00	8.765E+00
4.200E+03	9.609E+00	7.620E+01	5.695E+01	5.313E+00	2.014E+00	1.220E+01	1.000E+01	8.455E+00
4.300E+03	9.308E+00	7.730E+01	5.755E+01	5.413E+00	2.015E+00	1.229E+01	1.019E+01	8.145E+00
4.400E+03	9.007E+00	7.830E+01	5.815E+01	5.513E+00	2.016E+00	1.238E+01	1.038E+01	7.835E+00
4.500E+03	8.706E+00	7.920E+01	5.875E+01	5.613E+00	2.017E+00	1.247E+01	1.057E+01	7.525E+00
4.600E+03	8.405E+00	8.010E+01	5.935E+01	5.713E+00	2.018E+00	1.256E+01	1.076E+01	7.215E+00
4.700E+03	8.104E+00	8.090E+01	5.995E+01	5.813E+00	2.019E+00	1.265E+01	1.095E+01	6.905E+00
4.800E+03	7.803E+00	8.160E+01	6.055E+01	5.913E+00	2.020E+00	1.274E+01	1.114E+01	6.595E+00
4.900E+03	7.502E+00	8.220E+01	6.115E+01	6.013E+00	2.021E+00	1.283E+01	1.133E+01	6.285E+00
5.000E+03	7.201E+00	8.270E+01	6.175E+01	6.113E+00	2.022E+00	1.292E+01	1.152E+01	5.975E+00
5.100E+03	6.900E+00	8.310E+01	6.235E+01	6.213E+00	2.023E+00	1.301E+01	1.171E+01	5.665E+00
5.200E+03	6.600E+00	8.340E+01	6.295E+01	6.313E+00	2.024E+00	1.309E+01	1.190E+01	5.355E+00
5.300E+03	6.300E+00	8.360E+01	6.355E+01	6.413E+00	2.025E+00	1.318E+01	1.209E+01	5.045E+00
5.400E+03	6.000E+00	8.370E+01	6.415E+01	6.513E+00	2.026E+00	1.327E+01	1.228E+01	4.735E+00
5.500E+03	5.700E+00	8.370E+01	6.475E+01	6.613E+00	2.027E+00	1.336E+01	1.247E+01	4.425E+00
5.600E+03	5.40							

TABLE I.- Continued

T	MU/MU-J	M/RTD	S/R	A/AJ	Z	C/P/R	CV/R	GAMMA
4.940E+03	5.771E+01	7.214E+02	6.421E+01	6.026E+00	2.868E+00	4.780E+01	3.576E+01	1.215E+00
5.300E+03	5.529E+01	3.330E+02	4.510E+01	4.171E+00	2.934E+00	4.641E+01	3.656E+01	1.221E+00
5.200E+03	5.1C7E+01	2.550E+02	4.691E+01	4.634E+00	3.055E+00	4.232E+01	3.169E+01	1.231E+00
5.600E+03	4.750E+01	2.748E+02	4.843E+01	6.722E+00	3.198E+00	3.802E+01	2.835E+01	1.246E+00
5.800E+03	4.444E+01	2.924E+02	4.973E+01	6.971E+00	3.243E+00	3.382E+01	2.926E+01	1.256E+00
5.800E+03	4.419E+01	3.302E+02	7.085E+01	7.197E+00	3.315E+00	3.069E+01	2.264E+01	1.261E+00
6.000E+03	4.008E+01	3.220E+02	7.180E+01	7.397E+00	3.373E+00	2.825E+01	2.122E+01	1.272E+00
6.200E+03	3.623E+01	3.302E+02	7.275E+01	7.574E+00	3.422E+00	2.701E+01	2.050E+01	1.272E+00
6.400E+03	3.656E+01	3.494E+02	7.360E+01	7.730E+00	3.466E+00	2.683E+01	2.047E+01	1.446E+00
6.500E+03	3.568E+01	3.627E+02	7.443E+01	7.874E+00	3.503E+00	2.731E+01	2.101E+01	1.261E+00
6.600E+03	3.366E+01	3.769E+02	7.520E+01	8.012E+00	3.561E+00	2.830E+01	2.133E+01	1.256E+00
7.000E+03	3.284E+01	3.804E+02	7.635E+01	8.151E+00	3.579E+00	4.938E+01	2.306E+01	1.246E+00
7.200E+03	3.115E+01	3.655E+02	7.695E+01	8.264E+00	3.617E+00	3.051E+01	2.619E+01	1.243E+00
7.400E+03	2.999E+01	4.114E+02	7.781E+01	8.464E+00	3.659E+00	3.206E+01	2.513E+01	1.246E+00
7.600E+03	2.889E+01	4.371E+02	7.860E+01	8.601E+00	3.695E+00	3.421E+01	2.572E+01	1.239E+00
7.800E+03	2.785E+01	4.533E+02	7.955E+01	8.766E+00	3.734E+00	3.300E+01	2.593E+01	1.241E+00
8.000E+03	2.688E+01	4.695E+02	8.030E+01	8.939E+00	3.772E+00	3.256E+01	2.5905E+01	1.246E+00
8.200E+03	2.558E+01	4.853E+02	8.115E+01	9.120E+00	3.808E+00	3.145E+01	2.443E+01	1.253E+00
8.400E+03	2.516E+01	5.004E+02	8.195E+01	9.300E+00	3.841E+00	2.938E+01	2.446E+01	1.263E+00
8.600E+03	2.438E+01	5.147E+02	8.285E+01	9.498E+00	3.871E+00	2.788E+01	2.137E+01	1.273E+00
8.800E+03	2.363E+01	5.279E+02	8.319E+01	9.593E+00	3.897E+00	2.582E+01	1.933E+01	1.288E+00
9.000E+03	2.259E+01	5.441E+02	8.376E+01	9.904E+00	3.920E+00	2.305E+01	1.794E+01	1.346E+00
9.200E+03	2.238E+01	5.514E+02	8.425E+01	1.008E+01	3.938E+00	2.210E+01	1.669E+01	1.320E+00
9.400E+03	2.182E+01	5.620E+02	8.471E+01	1.027E+01	3.954E+00	2.067E+01	1.524E+01	1.334E+00
9.600E+03	2.129E+01	5.719E+02	8.513E+01	1.046E+01	3.968E+00	1.952E+01	1.436E+01	1.347E+00
9.800E+03	2.080E+01	5.813E+02	8.553E+01	1.066E+01	3.980E+00	1.881E+01	1.373E+01	1.359E+00
1.000E+04	2.033E+01	5.905E+02	8.596E+01	1.079E+01	3.990E+00	1.834E+01	1.335E+01	1.361E+00
1.100E+04	1.887E+01	6.300E+02	8.766E+01	1.126E+01	4.035E+00	1.935E+01	1.472E+01	1.344E+00
1.200E+04	1.652E+01	6.888E+02	8.952E+01	1.165E+01	4.090E+00	2.401E+01	1.823E+01	1.300E+00
1.300E+04	1.495E+01	7.558E+02	9.172E+01	1.207E+01	4.173E+00	3.139E+01	2.431E+01	1.283E+00
1.400E+04	1.349E+01	8.456E+02	9.435E+01	1.259E+01	4.297E+00	3.127E+01	2.417E+01	1.264E+00
1.500E+04	1.229E+01	9.418E+02	9.713E+01	1.322E+01	4.471E+00	5.335E+01	1.355E+01	1.226E+00
1.600E+04	1.107E+01	1.109E+03	1.015E+02	1.397E+01	4.704E+00	6.475E+01	1.405E+01	1.215E+00
1.700E+04	9.552E+02	1.291E+03	1.059E+02	1.458E+01	4.995E+00	7.956E+01	6.00E+01	1.214E+00
1.800E+04	8.441E+02	1.352E+03	1.108E+02	1.517E+01	5.338E+00	9.572E+01	6.649E+01	1.221E+00
1.900E+04	7.476E+02	1.373E+03	1.159E+02	1.586E+01	5.715E+00	9.667E+01	7.015E+01	1.226E+00
2.000E+04	6.651E+02	1.973E+03	1.242E+02	1.793E+01	6.098E+00	9.642E+01	6.924E+01	1.239E+00
2.100E+04	5.579E+02	2.202E+03	1.255E+02	1.902E+01	6.663E+00	9.036E+01	6.495E+01	1.255E+00
2.200E+04	5.433E+02	2.414E+03	1.299E+02	2.010E+01	6.779E+00	8.505E+01	6.715E+01	1.275E+00
2.300E+04	5.006E+02	2.600E+03	1.324E+02	2.115E+01	7.065E+00	8.434E+01	6.902E+01	1.295E+00
2.400E+04	4.657E+02	2.756E+03	1.355E+02	2.216E+01	7.265E+00	9.036E+01	6.139E+01	1.324E+00
2.500E+04	4.332E+02	2.893E+03	1.371E+02	2.311E+01	7.421E+00	9.511E+01	6.510E+01	1.355E+00
2.600E+04	4.133E+02	3.050E+03	1.393E+02	2.406E+01	7.568E+00	9.417E+01	6.042E+01	1.371E+00
2.700E+04	3.942E+02	3.113E+03	1.412E+02	2.479E+01	7.667E+00	9.398E+01	2.738E+01	1.380E+00
2.800E+04	3.749E+02	3.202E+03	1.429E+02	1.920E+01	7.727E+00	9.776E+01	2.588E+01	1.404E+00
2.900E+04	3.568E+02	3.300E+03	1.439E+02	2.597E+01	7.795E+00	9.732E+01	2.576E+01	1.409E+00
3.000E+04	3.401E+02	3.400E+03	1.455E+02	2.634E+01	8.705E+00	9.805E+01	2.606E+01	1.389E+00
3.100E+04	3.243E+02	3.456E+03	1.465E+02	2.672E+01	9.181E+00	6.105E+01	2.916E+01	1.366E+00
3.200E+04	3.117E+02	3.474E+03	1.474E+02	2.705E+01	9.593E+00	6.462E+01	3.214E+01	1.357E+00
3.300E+04	3.012E+02	3.493E+03	1.484E+02	2.740E+01	9.853E+00	6.807E+01	3.594E+01	1.339E+00
3.400E+04	2.921E+02	3.513E+03	1.493E+02	2.774E+01	10.056E+00	7.130E+01	3.946E+01	1.321E+00
3.500E+04	2.843E+02	3.533E+03	1.502E+02	2.808E+01	10.268E+00	7.451E+01	4.297E+01	1.302E+00
3.600E+04	2.774E+02	3.553E+03	1.511E+02	2.842E+01	10.480E+00	7.762E+01	4.646E+01	1.283E+00
3.700E+04	2.714E+02	3.573E+03	1.520E+02	2.876E+01	10.692E+00	8.073E+01	5.005E+01	1.264E+00
3.800E+04	2.664E+02	3.593E+03	1.529E+02	2.910E+01	10.904E+00	8.384E+01	5.365E+01	1.245E+00
3.900E+04	2.624E+02	3.613E+03	1.538E+02	2.944E+01	11.116E+00	8.695E+01	5.725E+01	1.226E+00
4.000E+04	2.594E+02	3.633E+03	1.547E+02	2.978E+01	11.328E+00	9.006E+01	6.085E+01	1.207E+00
4.100E+04	2.571E+02	3.653E+03	1.556E+02	3.012E+01	11.540E+00	9.317E+01	6.445E+01	1.188E+00
4.200E+04	2.554E+02	3.673E+03	1.565E+02	3.046E+01	11.752E+00	9.628E+01	6.805E+01	1.169E+00
4.300E+04	2.541E+02	3.693E+03	1.574E+02	3.080E+01	11.964E+00	9.939E+01	7.165E+01	1.150E+00
4.400E+04	2.531E+02	3.713E+03	1.583E+02	3.114E+01	12.176E+00	10.250E+01	7.526E+01	1.131E+00
4.500E+04	2.524E+02	3.733E+03	1.592E+02	3.148E+01	12.388E+00	10.551E+01	7.887E+01	1.112E+00
4.600E+04	2.520E+02	3.753E+03	1.601E+02	3.182E+01	12.600E+00	10.852E+01	8.248E+01	1.093E+00
4.700E+04	2.518E+02	3.773E+03	1.610E+02	3.216E+01	12.812E+00	11.153E+01	8.609E+01	1.074E+00
4.800E+04	2.518E+02	3.793E+03	1.619E+02	3.250E+01	13.024E+00	11.454E+01	8.970E+01	1.055E+00
4.900E+04	2.518E+02	3.813E+03	1.628E+02	3.284E+01	13.236E+00	11.755E+01	9.331E+01	1.036E+00
5.000E+04	2.518E+02	3.833E+03	1.637E+02	3.318E+01	13.448E+00	12.056E+01	9.692E+01	1.017E+00
5.100E+04	2.518E+02	3.853E+03	1.646E+02	3.352E+01	13.660E+00	12.357E+01	10.053E+01	9.983E+00
5.200E+04	2.518E+02	3.873E+03	1.655E+02	3.386E+01	13.872E+00	12.658E+01	10.414E+01	9.854E+00
5.300E+04	2.518E+02	3.893E+03	1.664E+02	3.420E+01	14.084E+00	12.959E+01	10.775E+01	9.725E+00
5.400E+04	2.518E+02	3.913E+03	1.673E+02	3.454E+01	14.296E+00	13.260E+01	11.136E+01	9.596E+00
5.500E+04	2.518E+02	3.933E+03	1.682E+02	3.488E+01	14.508E+00	13.561E+01	11.507E+01	9.467E+00
5.600E+04	2.518E+02	3.953E+03	1.691E+02	3.522E+01	14.720E+00	13.862E+01	11.878E+01	9.338E+00
5.700E+04	2.518E+02	3.973E+03	1.700E+02	3.556E+01	14.932E+00	14.163E+01	12.250E+01	9.209E+00
5.800E+04	2.518E+02	3.993E+03	1.709E+02	3.590E+01	15.144E+00	14.464E+01	12.621E+01	9.080E+00
5.900E+04	2.518E+02	4.013E+03	1.718E+02	3.624E+01	15.356E+00	14.765E+01	13.002E+01	8.951E+00
6.000E+04	2.518E+02	4.033E+03	1.727E+02	3.658E+01	15.568E+00	15.066E+01	13.373E+01	8.822E+00
6.100E+04	2.518E+02	4.053E+03	1.736E+02	3.692E+01	15.780E+00	15.367E+01	13.754E+01	8.693E+00
6.200E+04	2.518E+02	4.073E+03	1.745E+02	3.726E+01	15.992E+00	15.668E+01	14.135E+01	8.564E+00
6.300E+04	2.518E+02	4.093E+03	1.754E+02	3.760E+01	16.204E+00	16.069E+01	14.516E+01	8.435E+00
6.400E+04	2.518E+02	4.113E+03	1.763E+02	3.794E+01	16.416E+00	16.460E+01	14.907E+01	8.306E+00
6.500E+04	2.518E+02	4.133E+03	1.772E+02	3.828E+01	16.628E+00	16.861E+01	15.308E+01	8.177E+00
6.600E+04	2.518E+02	4.153E+03	1.781E+02	3.862E+01	16.840E+00			

TABLE I.- Continued

T	RHO/KT/J-3	H/KT/J	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
1.300E+03	3.434E+00	2.299E+01	4.060E+01	2.732E+00	1.999E+00	7.725L+00	5.714E+00	1.351E+00
1.400E+03	3.188E+00	2.491E+01	4.117E+01	2.824E+00	1.999E+00	7.806E+00	5.779E+00	1.346E+00
1.500E+03	2.975E+00	2.685E+01	4.172E+01	2.923E+00	1.999E+00	7.891E+00	5.888E+00	1.340E+00
1.600E+03	2.789E+00	2.881E+01	4.223E+01	3.012E+00	2.000E+00	7.978E+00	5.974E+00	1.335E+00
1.700E+03	2.625E+00	3.080E+01	4.272E+01	3.100E+00	2.000E+00	8.066E+00	6.064E+00	1.330E+00
1.800E+03	2.479E+00	3.281E+01	4.319E+01	3.146E+00	2.000E+00	8.158E+00	6.155E+00	1.325E+00
1.900E+03	2.348E+00	3.484E+01	4.363E+01	3.266E+00	2.000E+00	8.260E+00	6.255E+00	1.320E+00
2.000E+03	2.220E+00	3.690E+01	4.406E+01	3.344E+00	2.000E+00	8.370E+00	6.365E+00	1.315E+00
2.100E+03	2.124E+00	3.896E+01	4.448E+01	3.419E+00	2.002E+00	8.525E+00	6.508E+00	1.3C9E+00
2.200E+03	2.027E+00	4.112E+01	4.488E+01	3.492E+00	2.001E+00	8.710E+00	6.683E+00	1.3C3E+00
2.300E+03	1.938E+00	4.332E+01	4.528E+01	3.560E+00	2.002E+00	8.950E+00	6.890E+00	1.255E+00
2.400E+03	1.856E+00	4.558E+01	4.567E+01	3.626E+00	2.003E+00	9.261E+00	7.192E+00	1.287E+00
2.500E+03	1.780E+00	4.792E+01	4.605E+01	3.688E+00	2.005E+00	9.662E+00	7.556E+00	1.277E+00
2.600E+03	1.710E+00	5.036E+01	4.645E+01	3.748E+00	2.007E+00	1.017E+01	8.015E+00	1.267E+00
2.700E+03	1.644E+00	5.298E+01	4.684E+01	3.808E+00	2.010E+00	1.081E+01	8.564E+00	1.256E+00
2.800E+03	1.581E+00	5.576E+01	4.726E+01	3.864E+00	2.015E+00	1.159E+01	9.277E+00	1.245E+00
2.900E+03	1.522E+00	5.875E+01	4.768E+01	3.921E+00	2.021E+00	1.254E+01	1.011E+01	1.234E+00
3.000E+03	1.466E+00	6.198E+01	4.813E+01	3.979E+00	2.029E+00	1.361E+01	1.109E+01	1.224E+00
3.100E+03	1.412E+00	6.554E+01	4.860E+01	4.040E+00	2.039E+00	1.499E+01	1.222E+01	1.215E+00
3.200E+03	1.359E+00	6.944E+01	4.910E+01	4.104E+00	2.051E+00	1.651E+01	1.351E+01	1.207E+00
3.300E+03	1.308E+00	7.374E+01	4.964E+01	4.171E+00	2.077E+00	1.824E+01	1.496E+01	1.200E+00
3.400E+03	1.259E+00	7.830E+01	5.022E+01	4.239E+00	2.093E+00	2.014E+01	1.656E+01	1.195E+00
3.500E+03	1.210E+00	8.375E+01	5.084E+01	4.320E+00	2.140E+00	2.233E+01	1.830E+01	1.190E+00
3.600E+03	1.162E+00	8.957E+01	5.150E+01	4.403E+00	2.134E+00	2.467E+01	2.016E+01	1.1d7E+00
3.700E+03	1.114E+00	9.555E+01	5.221E+01	4.491E+00	2.164E+00	2.710E+01	2.211E+01	1.185E+00
3.800E+03	1.066E+00	1.030E+02	5.293E+01	4.586E+00	2.199E+00	2.982E+01	2.413E+01	1.184E+00
3.900E+03	1.022E+00	1.107E+02	5.374E+01	4.687E+00	2.238E+00	3.256E+01	2.617E+01	1.184E+00
4.000E+03	9.771E-01	1.191E+02	5.465E+01	4.796E+00	2.283E+00	3.533E+01	2.817E+01	1.184E+00
4.100E+03	9.332E-01	1.282E+02	5.556E+01	4.908E+00	2.332E+00	3.809E+01	3.01CE+01	1.165E+00
4.200E+03	8.905E-01	1.379E+02	5.651E+01	5.029E+00	2.388E+00	4.065E+01	3.197L+01	1.187E+00
4.300E+03	8.491E-01	1.462E+02	5.750E+01	5.155E+00	2.446E+00	4.302E+01	3.346E+01	1.190E+00
4.400E+03	8.094E-01	1.551E+02	5.851E+01	5.287E+00	4.505E+00	4.57CE+01	3.476E+01	1.193E+00
4.500E+03	7.714E-01	1.642E+02	5.953E+01	5.423E+00	4.700E+00	4.869E+01	3.571E+01	1.194E+00
4.600E+03	7.355E-01	1.732E+02	6.058E+01	5.563E+00	4.931E+00	5.170E+01	3.630E+01	1.200E+00
4.700E+03	7.017E-01	1.829E+02	6.162E+01	5.706E+00	5.270E+00	5.483E+01	3.649E+01	1.205E+00
4.800E+03	6.701E-01	1.926E+02	6.264E+01	5.851E+00	5.577E+00	5.822E+01	3.626E+01	1.209E+00
4.900E+03	6.439E-01	2.017E+02	6.363E+01	5.996E+00	5.841E+00	6.170E+01	3.567E+01	1.215E+00
5.000E+03	6.134E-01	2.109E+02	6.456E+01	6.140E+00	2.907E+00	6.451E+01	3.726E+01	1.220E+00
5.200E+03	5.665E-01	2.513E+02	6.634E+01	6.423E+00	3.029E+00	6.302E+01	3.203E+01	1.232E+00
5.400E+03	5.272E-01	2.715E+02	6.768E+01	6.693E+00	3.155E+00	3.675E+01	2.885E+01	1.245E+00
5.600E+03	4.941E-01	2.959E+02	6.921E+01	6.944E+00	3.242E+00	3.454E+01	2.579E+01	1.256E+00
5.800E+03	4.665E-01	3.056E+02	7.036E+01	7.174E+00	3.296E+00	3.117E+01	2.334E+01	1.266E+00
6.000E+03	4.424E-01	3.203E+02	7.137E+01	7.379E+00	3.359E+00	2.675E+01	2.159E+01	1.271E+00
6.200E+03	4.222E-01	3.341E+02	7.229E+01	7.561E+00	3.4CVE+00	2.738E+01	2.066E+01	1.272E+00
6.400E+03	4.037E-01	3.474E+02	7.314E+01	7.721E+00	3.453E+00	2.694E+01	2.050E+01	1.269E+00
6.600E+03	3.870E-01	3.607E+02	7.397E+01	7.866E+00	3.493E+00	2.723E+01	2.091E+01	1.263E+00
6.800E+03	3.716E-01	3.743E+02	7.480E+01	8.008E+00	3.511E+00	2.810E+01	2.172E+01	1.256E+00
7.000E+03	3.571E-01	3.885E+02	7.563E+01	8.147E+00	3.569E+00	2.918E+01	2.277E+01	1.250E+00
7.200E+03	3.436E-01	4.027E+02	7.647E+01	8.289E+00	3.607E+00	3.016E+01	2.386E+01	1.245E+00
7.400E+03	3.308E-01	4.180E+02	7.732E+01	8.437E+00	3.645E+00	3.117E+01	2.482E+01	1.241E+00
7.600E+03	3.186E-01	4.344E+02	7.818E+01	8.593E+00	3.688E+00	3.254E+01	2.548E+01	1.240E+00
7.800E+03	3.072E-01	4.505E+02	7.903E+01	8.756E+00	3.722E+00	3.285E+01	2.569E+01	1.242E+00
8.000E+03	2.965E-01	4.667E+02	7.988E+01	8.927E+00	3.761E+00	3.294E+01	2.538E+01	1.246E+00
8.200E+03	2.865E-01	4.828E+02	8.065E+01	9.105E+00	3.798E+00	3.161E+01	2.456E+01	1.252E+00
8.400E+03	2.772E-01	4.978E+02	8.140E+01	9.249E+00	3.832E+00	3.015E+01	2.329E+01	1.261E+00
8.600E+03	2.686E-01	5.122E+02	8.208E+01	9.479E+00	3.866E+00	2.841E+01	2.172E+01	1.272E+00
8.800E+03	2.6C7E-01	5.275E+02	8.271E+01	9.672E+00	3.899E+00	2.630E+01	2.002E+01	1.286E+00
9.000E+03	2.534E-01	5.381E+02	8.328E+01	9.867E+00	3.931E+00	2.433E+01	1.836E+01	1.301E+00
9.200E+03	2.446E-01	5.497E+02	8.380E+01	1.006E+01	3.932E+00	2.255E+01	1.685E+01	1.316E+00
9.400E+03	2.403E-01	5.607E+02	8.426E+01	1.025E+01	3.996E+00	2.105E+01	1.559E+01	1.331E+00
9.600E+03	2.345E-01	5.705E+02	8.469E+01	1.042E+01	3.963E+00	1.986E+01	1.461E+01	1.344E+00
9.800E+03	2.290E-01	5.801E+02	8.501E+01	1.059E+01	3.976E+00	1.903E+01	1.390E+01	1.354E+00
1.000E+04	2.238E-01	5.893E+02	8.537E+01	1.076E+01	3.987E+00	1.848E+01	1.345E+01	1.360E+00
1.100E+04	2.012E-01	6.347E+02	8.723E+01	1.127E+01	4.032E+00	1.913E+01	1.408E+01	1.347E+00
1.200E+04	1.820E-01	6.866E+02	8.906E+01	1.166E+01	4.085E+00	2.348E+01	1.770E+01	1.346E+00
1.300E+04	1.640E-01	7.526E+02	9.119E+01	1.208E+01	4.185E+00	3.050E+01	2.358E+01	1.267E+00
1.400E+04	1.488E-01	8.390E+02	9.379E+01	1.256E+01	4.283E+00	3.955E+01	3.111E+01	1.242E+00
1.500E+04	1.337E-01	9.514E+02	9.639E+01	1.320E+01	4.350E+00	5.154E+01	3.997E+01	1.220E+00
1.600E+04	1.194E-01	1.096E+03	1.007E+02	1.393E+01	4.472E+00	6.453E+01	4.941E+01	1.221E+00
1.700E+04	1.066E-01	1.270E+03	1.050E+02	1.477E+01	4.592E+00	7.731E+01	5.083E+01	1.219E+00
1.800E+04	9.383E-02	1.475E+03	1.097E+02	1.571E+01	4.723E+00	9.238E+01	5.212E+01	1.221E+00
1.900E+04	8.312E-02	1.702E+03	1.147E+02	1.674E+01	4.869E+00	9.375E+01	5.322E+01	1.221E+00
2.000E+04	7.640E-02	1.930E+03	1.196E+02	1.781E+01	5.027E+00	9.572E+01	5.428E+01	1.220E+00
2.100E+04	6.651E-02	2.169E+03	1.246E+02	1.890E+01	5.180E+00	9.674E+01	5.522E+01	1.219E+00
2.200E+04	6.047E-02	2.332E+03	1.292E+02	1.998E+01	5.314E+00	9.776E+01	5.617E+01	1.217E+00
2.300E+04	5.555E-02	2.570E+03	1.331E+02	2.102E+01	5.483E+00	9.876E+01	5.705E+01	1.215E+00
2.400E+04	5.161E-02	2.733E+03	1.344E+02	2.203E+01	5.603E+00	9.977E+01	5.801E+01	1.214E+00
2.500E+04	4.839E-02	2.871E+03	1.367E+02	2.299E+01	5.737E+00	5.208E+01	5.901E+01	1.213E+00
2.600E+04	4.570E-02	2.991E+03	1.386E+02	2.389E+01	5.810E+00	4.544E+01	5.122E+01	1.212E+00
2.700E+04	4.340E-02	3.097E+03	1.402E+02	2.470E+01	5.914E+00	4.090E+01	4.800E+01	1.211E+00
2.800E+04	4.139E-02	3.196E+03	1.417E+02	2.539E+01	6.014E+00	3.692E+01	4.672E+01	1.210E+00
2.900E+04	3.980E-02	3.287E+03	1.433E+02	2.594E+01	6.711E+00	3.172E+01	4.579E+01	1.209E+00
3.000E+04	3.797E-02	3.380E+03	1.443E+02	2.634E+01	6.833E+00	2.825E+01	4.577E+01	1.208E+00
3.100E+04	3.649E-02	3.477E+03	1.456E+02	2.673E+01	7.095E+00	2.603E+01	4.677E+01	1.207E+00
3.200E+04	3.503E-02	3.581E+03	1.469E+02	2.706E+01	7.395E+00			

TABLE I. - Continued

T	X+U/R+U-O	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
3.500E+04	3.115E-02	3.946E+03	1.513E+02	2.828E+01	8.184E+00	5.449E+01	4.017E+01	1.314E+00
3.600E+04	2.997E-02	4.084E+03	1.529E+02	2.880E+01	8.249E+00	5.677E+01	4.173E+01	1.311E+00
3.700E+04	2.886E-02	4.225E+03	1.544E+02	2.937E+01	8.355E+00	5.742E+01	4.214E+01	1.313E+00
3.800E+04	2.782E-02	4.366E+03	1.560E+02	2.998E+01	8.439E+00	5.667E+01	4.143E+01	1.319E+00
3.900E+04	2.686E-02	4.503E+03	1.574E+02	3.062E+01	8.516E+00	5.481E+01	3.945E+01	1.328E+00
4.000E+04	2.597E-02	4.636E+03	1.588E+02	3.128E+01	8.590E+00	5.225E+01	3.775E+01	1.339E+00
4.100E+04	2.514E-02	4.761E+03	1.600E+02	3.194E+01	8.655E+00	4.945E+01	3.549E+01	1.352E+00
4.200E+04	2.438E-02	4.880E+03	1.612E+02	3.258E+01	8.713E+00	4.680E+01	3.337E+01	1.365E+00
4.300E+04	2.368E-02	4.992E+03	1.623E+02	3.320E+01	8.763E+00	4.459E+01	3.161E+01	1.376E+00
4.400E+04	2.302E-02	5.100E+03	1.633E+02	3.376E+01	8.807E+00	4.299E+01	3.038E+01	1.386E+00
4.500E+04	2.241E-02	5.205E+03	1.642E+02	3.427E+01	8.848E+00	4.123E+01	2.975E+01	1.387E+00
4.600E+04	2.183E-02	5.304E+03	1.652E+02	3.466E+01	8.885E+00	4.020E+01	2.977E+01	1.385E+00
4.700E+04	2.128E-02	5.413E+03	1.661E+02	3.506E+01	8.920E+00	4.273E+01	3.046E+01	1.379E+00
4.800E+04	2.075E-02	5.520E+03	1.670E+02	3.536E+01	8.956E+00	4.422E+01	3.172E+01	1.369E+00
4.900E+04	2.025E-02	5.631E+03	1.679E+02	3.564E+01	8.993E+00	4.636E+01	3.354E+01	1.354E+00
5.000E+04	1.976E-02	5.749E+03	1.689E+02	3.590E+01	9.032E+00	4.904E+01	3.579E+01	1.343E+00

P/PQ = 2.40E+01

T	RH0/RHJ-J	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.300E+32	1.491E+01	-1.975E+00	2.645E+01	1.204E+00	1.302E+00	2.613E+01	1.988E+01	1.189E+00
6.300E+32	9.656E+00	5.142E+00	3.171E+01	1.613E+00	1.673E+00	2.719E+01	2.010E+01	1.211E+00
7.300E+32	7.352E+00	1.028E+01	3.455E+01	1.697E+00	1.891E+00	1.506E+01	1.122E+01	1.278E+00
8.300E+32	6.195E+00	1.320E+01	3.654E+01	2.111E+01	1.963E+00	9.661E+00	7.177E+00	1.335E+00
9.300E+32	5.448E+00	1.536E+01	3.757E+01	2.273E+01	1.989E+00	8.136E+00	5.940E+00	1.346E+00
1.030E+33	4.884E+00	1.730E+01	3.841E+01	2.404E+01	1.993E+00	7.725E+00	5.642E+00	1.356E+00
1.100E+33	4.433E+00	1.920E+01	3.914E+01	2.521E+01	1.996E+00	7.660E+00	5.400E+00	1.362E+00
1.200E+33	4.086E+00	2.109E+01	3.982E+01	2.629E+01	1.998E+00	7.666E+00	5.643E+00	1.357E+00
1.300E+33	3.746E+00	2.294E+01	4.042E+01	2.732E+01	1.999E+00	7.729E+00	5.714E+00	1.351E+00
1.400E+33	3.476E+00	2.491E+01	4.100E+01	2.829E+01	1.999E+00	7.808E+00	5.800E+00	1.346E+00
1.500E+33	3.246E+00	2.685E+01	4.154E+01	2.923E+01	1.999E+00	7.892E+00	5.887E+00	1.335E+00
1.600E+33	3.042E+00	2.881E+01	4.206E+01	3.013E+01	1.999E+00	7.979E+00	5.975E+00	1.330E+00
1.700E+33	2.860E+00	3.080E+01	4.255E+01	3.100E+01	2.000E+00	8.066E+00	6.063E+00	1.320E+00
1.800E+33	2.704E+00	3.281E+01	4.311E+01	3.186E+01	2.000E+00	8.158E+00	6.154E+00	1.323E+00
1.900E+33	2.562E+00	3.484E+01	4.369E+01	3.268E+01	2.000E+00	8.258E+00	6.252E+00	1.321E+00
2.000E+33	2.433E+00	3.690E+01	4.430E+01	3.348E+01	2.000E+00	8.374E+00	6.355E+00	1.315E+00
2.100E+33	2.317E+00	3.896E+01	4.493E+01	3.420E+01	2.000E+00	8.510E+00	6.501E+00	1.310E+00
2.200E+33	2.211E+00	4.112E+01	4.550E+01	3.492E+01	2.001E+00	8.670E+00	6.670E+00	1.303E+00
2.300E+33	2.114E+00	4.331E+01	4.510E+01	3.561E+01	2.002E+00	8.928E+00	6.786E+00	1.295E+00
2.400E+33	2.025E+00	4.525E+01	4.564E+01	3.627E+01	2.003E+00	9.225E+00	6.912E+00	1.288E+00
2.500E+33	1.942E+00	4.709E+01	4.588E+01	3.690E+01	2.004E+00	9.614E+00	7.513E+00	1.278E+00
2.600E+33	1.863E+00	4.834E+01	4.627E+01	3.750E+01	2.007E+00	1.010E+01	7.954E+00	1.266E+00
2.700E+33	1.794E+00	4.925E+01	4.666E+01	3.808E+01	2.010E+00	1.071E+01	8.501E+00	1.257E+00
2.800E+33	1.726E+00	5.016E+01	4.707E+01	3.866E+01	2.014E+00	1.147E+01	9.166E+00	1.246E+00
2.900E+33	1.661E+00	5.062E+01	4.749E+01	3.923E+01	2.020E+00	1.238E+01	9.833E+00	1.236E+00
3.100E+33	1.561E+00	5.182E+01	4.793E+01	3.981E+00	2.024E+00	1.346E+01	1.090E+01	1.226E+00
3.200E+33	1.484E+00	5.311E+01	4.849E+01	4.042E+00	2.037E+00	1.472E+01	1.199E+01	1.217E+00
3.300E+33	1.422E+00	5.435E+01	4.911E+01	4.104E+00	2.049E+00	1.618E+01	1.323E+01	1.209E+00
3.400E+33	1.371E+00	5.556E+01	4.971E+01	4.171E+00	2.064E+00	1.785E+01	1.422E+01	1.222E+00
3.500E+33	1.322E+00	5.673E+01	5.030E+01	4.238E+00	2.080E+00	1.971E+01	1.516E+01	1.236E+00
3.600E+33	1.271E+00	5.780E+01	5.089E+01	4.300E+00	2.096E+00	2.177E+01	1.616E+01	1.246E+00
3.700E+33	1.221E+00	5.886E+01	5.139E+01	4.369E+00	2.110E+00	2.380E+01	1.716E+01	1.252E+00
3.800E+33	1.173E+00	5.983E+01	5.189E+01	4.436E+00	2.124E+00	2.582E+01	1.816E+01	1.258E+00
3.900E+33	1.126E+00	6.079E+01	5.236E+01	4.503E+00	2.138E+00	2.784E+01	1.916E+01	1.265E+00
4.000E+33	1.081E+00	6.175E+01	5.284E+01	4.570E+00	2.152E+00	2.986E+01	2.016E+01	1.272E+00
4.100E+33	1.042E+00	6.271E+01	5.331E+01	4.637E+00	2.166E+00	3.188E+01	2.114E+01	1.279E+00
4.200E+33	1.004E+00	6.368E+01	5.378E+01	4.694E+00	2.180E+00	3.390E+01	2.212E+01	1.286E+00
4.300E+33	9.676E-01	6.465E+01	5.425E+01	4.751E+00	2.194E+00	3.592E+01	2.310E+01	1.293E+00
4.400E+33	9.328E-01	6.554E+01	5.470E+01	4.808E+00	2.207E+00	3.794E+01	2.408E+01	1.300E+00
4.500E+33	9.006E-01	6.645E+01	5.518E+01	4.865E+00	2.221E+00	3.996E+01	2.506E+01	1.307E+00
4.600E+33	8.703E-01	6.736E+01	5.561E+01	4.922E+00	2.235E+00	4.198E+01	2.604E+01	1.314E+00
4.700E+33	8.414E-01	6.827E+01	5.604E+01	4.979E+00	2.249E+00	4.399E+01	2.702E+01	1.321E+00
4.800E+33	8.136E-01	6.918E+01	5.647E+01	5.036E+00	2.263E+00	4.599E+01	2.799E+01	1.328E+00
4.900E+33	7.860E-01	7.009E+01	5.689E+01	5.093E+00	2.277E+00	4.799E+01	2.896E+01	1.335E+00
5.000E+33	7.600E-01	7.099E+01	5.732E+01	5.150E+00	2.291E+00	4.999E+01	2.993E+01	1.342E+00
5.100E+33	7.342E-01	7.186E+01	5.775E+01	5.207E+00	2.305E+00	5.199E+01	3.090E+01	1.349E+00
5.200E+33	7.094E-01	7.250E+01	5.818E+01	5.264E+00	2.319E+00	5.396E+01	3.187E+01	1.356E+00
5.300E+33	6.856E-01	7.312E+01	5.857E+01	5.321E+00	2.333E+00	5.593E+01	3.284E+01	1.363E+00
5.400E+33	6.622E-01	7.373E+01	5.894E+01	5.378E+00	2.347E+00	5.792E+01	3.381E+01	1.370E+00
5.500E+33	6.400E-01	7.432E+01	5.931E+01	5.435E+00	2.361E+00	5.991E+01	3.478E+01	1.377E+00
5.600E+33	6.184E-01	7.490E+01	5.968E+01	5.492E+00	2.375E+00	6.190E+01	3.574E+01	1.384E+00
5.700E+33	5.971E-01	7.547E+01	6.005E+01	5.549E+00	2.389E+00	6.389E+01	3.671E+01	1.391E+00
5.800E+33	5.768E-01	7.604E+01	6.042E+01	5.606E+00	2.403E+00	6.588E+01	3.768E+01	1.398E+00
5.900E+33	5.565E-01	7.661E+01	6.079E+01	5.663E+00	2.417E+00	6.787E+01	3.865E+01	1.405E+00
6.000E+33	5.362E-01	7.718E+01	6.116E+01	5.720E+00	2.431E+00	6.986E+01	3.962E+01	1.412E+00
6.100E+33	5.160E-01	7.775E+01	6.153E+01	5.777E+00	2.445E+00	7.185E+01	4.059E+01	1.419E+00
6.200E+33	4.958E-01	7.832E+01	6.189E+01	5.834E+00	2.459E+00	7.384E+01	4.156E+01	1.426E+00
6.300E+33	4.756E-01	7.889E+01	6.226E+01	5.891E+00	2.473E+00	7.583E+01	4.253E+01	1.433E+00
6.400E+33	4.554E-01	7.946E+01	6.263E+01	5.948E+00	2.487E+00	7.782E+01	4.350E+01	1.440E+00
6.500E+33	4.352E-01	8.003E+01	6.300E+01	6.005E+00	2.501E+00	7.981E+01	4.447E+01	1.447E+00
6.600E+33	4.150E-01	8.059E+01	6.337E+01	6.062E+00	2.515E+00	8.180E+01	4.544E+01	1.454E+00
6.700E+33	3.948E-01	8.116E+01	6.374E+01	6.119E+00	2.529E+00	8.379E+01	4.641E+01	1.461E+00
6.800E+33	3.746E-01	8.173E+01	6.411E+01	6.176E+00	2.543E+00	8.578E+01	4.738E+01	1.468E+00
6.900E+33	3.544E-01	8.230E+01	6.448E+01	6.233E+00	2.557E+00	8.777E+01	4.835E+01	1.475E+00
7.000E+33	3.342E-01	8.287E+01	6.485E+01	6.290E+00	2.571E+00	8.976E+01	4.932E+01	1.482E+00
7.100E+								

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+03	2.769E-01	5.362E+02	8.285E+01	9.847E+00	3.906E+00	2.470E+01	1.872E+01	1.298E+00
9.200E+03	2.694E-01	5.480E+02	8.338E+01	1.004E+01	3.927E+00	2.297E+01	1.720E+01	1.313E+00
9.400E+03	2.625E+01	5.589E+02	8.386E+01	1.023E+01	3.946E+00	2.142E+01	1.589E+01	1.328E+00
9.600E+03	2.561E+01	5.691E+02	8.429E+01	1.041E+01	3.959E+00	2.017E+01	1.485E+01	1.341E+00
9.800E+03	2.501E+01	5.789E+02	8.470E+01	1.057E+01	3.972E+00	1.925E+01	1.400E+01	1.351E+00
1.000E+04	2.444E+01	5.882E+02	8.508E+01	1.073E+01	3.983E+00	1.842E+01	1.354E+01	1.359E+00
1.100E+04	2.196E+01	6.335E+02	8.683E+01	1.128E+01	4.029E+00	1.896E+01	1.392E+01	1.350E+00
1.200E+04	1.988E+01	6.846E+02	8.863E+01	1.167E+01	4.081E+00	2.303E+01	1.739E+01	1.308E+00
1.300E+04	1.801E+01	7.462E+02	9.073E+01	1.208E+01	4.151E+00	2.973E+01	2.294E+01	1.271E+00
1.400E+04	1.628E+01	8.332E+02	9.322E+01	1.258E+01	4.211E+00	3.880E+01	3.019E+01	1.245E+00
1.500E+04	1.465E+01	9.622E+02	9.629E+01	1.318E+01	4.431E+00	4.997E+01	3.875E+01	1.230E+00
1.600E+04	1.310E+01	1.081E+03	9.951E+01	1.389E+01	4.646E+00	6.257E+01	4.796E+01	1.222E+00
1.700E+04	1.165E+01	1.251E+03	1.041E+02	1.471E+01	4.913E+00	7.531E+01	5.677E+01	1.219E+00
1.800E+04	1.033E+01	1.451E+03	1.082E+02	1.564E+01	5.234E+00	8.628E+01	6.344E+01	1.211E+00
1.900E+04	9.163E+02	1.673E+03	1.136E+02	1.665E+01	5.591E+00	9.334E+01	6.799E+01	1.227E+00
2.000E+04	8.163E+02	1.906E+03	1.184E+02	1.771E+01	5.962E+00	9.492E+01	6.829E+01	1.237E+00
2.100E+04	7.332E+02	2.136E+03	1.230E+02	1.879E+01	6.322E+00	9.090E+01	6.886E+01	1.251E+00
2.200E+04	6.656E+02	2.351E+03	1.271E+02	1.946E+01	6.647E+00	8.267E+01	5.866E+01	1.269E+00
2.300E+04	6.111E+02	2.472E+03	1.305E+02	2.091E+01	6.925E+00	7.247E+01	5.115E+01	1.251E+00
2.400E+04	5.677E+02	2.708E+03	1.334E+02	2.192E+01	7.152E+00	6.232E+01	4.370E+01	1.316E+00
2.500E+04	5.313E+02	2.850E+03	1.357E+02	2.288E+01	7.332E+00	5.352E+01	3.723E+01	1.344E+00
2.600E+04	5.011E+02	2.973E+03	1.377E+02	2.379E+01	7.473E+00	4.666E+01	3.216E+01	1.370E+00
2.700E+04	4.754E+02	3.082E+03	1.393E+02	2.461E+01	7.583E+00	4.179E+01	2.862E+01	1.352E+00
2.800E+04	4.531E+02	3.181E+03	1.404E+02	2.533E+01	7.672E+00	3.886E+01	2.656E+01	1.405E+00
2.900E+04	4.333E+02	3.275E+03	1.421E+02	2.591E+01	7.766E+00	3.769E+01	2.586E+01	1.446E+00
3.000E+04	4.153E+02	3.368E+03	1.434E+02	2.637E+01	7.811E+00	3.812E+01	2.443E+01	1.396E+00
3.100E+04	3.988E+02	3.464E+03	1.447E+02	2.674E+01	7.874E+00	3.995E+01	2.810E+01	1.378E+00
3.200E+04	3.832E+02	3.566E+03	1.460E+02	2.708E+01	7.934E+00	4.291E+01	3.063E+01	1.358E+00
3.300E+04	3.684E+02	3.676E+03	1.474E+02	2.743E+01	8.006E+00	4.658E+01	3.306E+01	1.340E+00
3.400E+04	3.543E+02	3.796E+03	1.488E+02	2.782E+01	8.079E+00	5.039E+01	3.675E+01	1.325E+00
3.500E+04	3.409E+02	3.924E+03	1.503E+02	2.827E+01	8.150E+00	5.374E+01	3.938E+01	1.317E+00
3.600E+04	3.280E+02	4.060E+03	1.519E+02	2.877E+01	8.242E+00	5.607E+01	4.116E+01	1.313E+00
3.700E+04	3.155E+02	4.200E+03	1.534E+02	2.933E+01	8.327E+00	5.777E+01	4.184E+01	1.313E+00
3.800E+04	3.045E+02	4.340E+03	1.550E+02	2.993E+01	8.411E+00	5.609E+01	4.142E+01	1.310E+00
3.900E+04	2.939E+02	4.478E+03	1.564E+02	3.050E+01	8.491E+00	5.514E+01	4.01GE+01	1.327E+00
4.000E+04	2.841E+02	4.612E+03	1.578E+02	3.121E+01	8.565E+00	5.280E+01	3.817E+01	1.337E+00
4.100E+04	2.750E+02	4.739E+03	1.591E+02	3.188E+01	8.632E+00	5.012E+01	3.60CE+01	1.350E+00
4.200E+04	2.666E+02	4.859E+03	1.602E+02	3.251E+01	8.691E+00	4.768E+01	3.388E+01	1.362E+00
4.300E+04	2.589E+02	4.973E+03	1.613E+02	3.313E+01	8.743E+00	4.518E+01	3.2C5E+01	1.374E+00
4.400E+04	2.517E+02	5.082E+03	1.623E+02	3.371E+01	8.790E+00	4.344E+01	3.070E+01	1.382E+00
4.500E+04	2.449E+02	5.188E+03	1.633E+02	3.423E+01	8.831E+00	4.233E+01	2.991E+01	1.387E+00
4.600E+04	2.386E+02	5.292E+03	1.642E+02	3.466E+01	8.864E+00	4.208E+01	2.973E+01	1.387E+00
4.700E+04	2.325E+02	5.396E+03	1.651E+02	3.506E+01	8.905E+00	4.253E+01	3.019E+01	1.342E+00
4.800E+04	2.262E+02	5.502E+03	1.666E+02	3.539E+01	8.941E+00	4.373E+01	3.126E+01	1.372E+00
4.900E+04	2.213E+02	5.612E+03	1.670E+02	3.567E+01	8.978E+00	4.561E+01	3.207E+01	1.361E+00
5.000E+04	2.154E+02	5.728E+03	1.679E+02	3.594E+01	9.016E+00	4.807E+01	3.495E+01	1.348E+00

$$P/P_0 = 2.60E+01$$

T	RHO/RHO-0	H/RT0	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	1.625E+01	-2.14CE+00	2.622E+01	1.279E+00	1.2550E+01	1.463E+01	1.189E+00	
6.000E+02	1.606E+01	4.078E+00	3.142E+01	1.405E+00	2.744E+01	2.025E+01	1.218E+00	
7.000E+02	7.996E+00	1.010E+01	3.6473E+01	1.891E+00	1.884E+00	1.548E+01	1.275E+00	
8.000E+02	6.745E+00	1.315E+01	3.636E+01	2.108E+00	1.960E+00	9.460E+00	1.243E+00	
9.000E+02	5.906E+00	1.533E+01	3.706E+01	2.271E+00	1.948E+00	8.240E+00	1.339E+00	
1.000E+03	5.249E+00	1.729E+01	3.824E+01	2.403E+00	1.992E+00	7.752E+00	1.366E+00	
1.100E+03	4.603E+00	1.919E+01	3.948E+01	2.521E+00	1.996E+00	7.653E+00	1.362E+00	
1.200E+03	4.039E+00	2.138E+01	3.964E+01	2.629E+00	1.988E+00	7.671E+00	1.357E+00	
1.300E+03	3.595E+00	2.359E+01	3.979E+01	2.732E+00	1.994E+00	7.732E+00	1.351E+00	
1.400E+03	3.276E+00	2.576E+01	3.984E+01	2.829E+00	1.999E+00	7.810E+00	1.359E+00	
1.500E+03	3.070E+00	2.801E+01	3.993E+01	2.923E+00	2.009E+00	7.894E+00	1.368E+00	
1.600E+03	2.905E+00	3.001E+01	3.998E+01	3.013E+00	2.095E+00	7.979E+00	1.375E+00	
1.700E+03	2.762E+00	3.198E+01	4.006E+01	3.100E+00	2.006E+00	8.066E+00	1.380E+00	
1.800E+03	2.642E+00	3.381E+01	4.096E+01	3.197E+00	2.017E+00	8.157E+00	1.385E+00	
1.900E+03	2.534E+00	3.564E+01	4.182E+01	3.286E+00	2.026E+00	8.251E+00	1.381E+00	
2.000E+03	2.437E+00	3.748E+01	4.267E+01	3.370E+00	2.035E+00	8.348E+00	1.376E+00	
2.100E+03	2.342E+00	3.932E+01	4.344E+01	3.454E+00	2.044E+00	8.444E+00	1.371E+00	
2.200E+03	2.250E+00	4.112E+01	4.412E+01	3.529E+00	2.053E+00	8.549E+00	1.364E+00	
2.300E+03	2.164E+00	4.291E+01	4.479E+01	3.594E+00	2.061E+00	8.654E+00	1.358E+00	
2.400E+03	2.082E+00	4.463E+01	4.535E+01	3.652E+00	2.071E+00	8.750E+00	1.352E+00	
2.500E+03	2.005E+00	4.624E+01	4.591E+01	3.709E+00	2.081E+00	8.846E+00	1.346E+00	
2.600E+03	1.932E+00	4.781E+01	4.649E+01	3.767E+00	2.091E+00	8.938E+00	1.339E+00	
2.700E+03	1.864E+00	4.934E+01	4.697E+01	3.824E+00	2.101E+00	9.030E+00	1.332E+00	
2.800E+03	1.801E+00	5.082E+01	4.745E+01	3.879E+00	2.111E+00	9.122E+00	1.325E+00	
2.900E+03	1.741E+00	5.226E+01	4.793E+01	3.932E+00	2.121E+00	9.214E+00	1.318E+00	
3.000E+03	1.687E+00	5.364E+01	4.839E+01	3.983E+00	2.131E+00	9.306E+00	1.310E+00	
3.100E+03	1.634E+00	5.501E+01	4.886E+01	4.034E+00	2.141E+00	9.398E+00	1.302E+00	
3.200E+03	1.584E+00	5.631E+01	4.933E+01	4.084E+00	2.151E+00	9.490E+00	1.294E+00	
3.300E+03	1.537E+00	5.758E+01	4.979E+01	4.134E+00	2.161E+00	9.582E+00	1.286E+00	
3.400E+03	1.493E+00	5.884E+01	5.026E+01	4.184E+00	2.171E+00	9.674E+00	1.278E+00	
3.500E+03	1.452E+00	6.008E+01	5.073E+01	4.234E+00	2.181E+00	9.766E+00	1.270E+00	
3.600E+03	1.414E+00	6.129E+01	5.120E+01	4.284E+00	2.191E+00	9.858E+00	1.262E+00	
3.700E+03	1.378E+00	6.250E+01	5.167E+01	4.334E+00	2.201E+00	9.950E+00	1.254E+00	
3.800E+03	1.344E+00	6.369E+01	5.214E+01	4.384E+00	2.211E+00	1.004E+01	1.246E+00	
3.900E+03	1.312E+00	6.480E+01	5.261E+01	4.434E+00	2.221E+00	1.014E+01	1.238E+00	
4.000E+03	1.282E+00	6.589E+01	5.308E+01	4.484E+00	2.231E+00	1.024E+01	1.230E+00	
4.100E+03	1.254E+00	6.697E+01	5.355E+01	4.534E+00	2.241E+00	1.034E+01	1.222E+00	
4.200E+03	1.228E+00	6.804E+01	5.402E+01	4.584E+00	2.251E+00	1.044E+01	1.214E+00	
4.300E+03	1.203E+00	6.911E+01	5.449E+01	4.634E+00				

TABLE I.- Continued

T	A+U/A-U-0	H/R/T0	S/T4	A/A3	Z	C/P/N	C/V/R	GAMMA
3.600E+03	1.492E+00	7.757E+01	4.976E+01	4.242E+00	2.079E+00	1.929E+01	1.501E+01	1.198E+00
3.500E+03	1.435E+00	8.259E+01	5.035E+01	4.317E+00	2.099E+00	2.128E+01	1.743E+01	1.153E+00
3.400E+03	1.380E+00	8.812E+01	5.058E+01	4.397E+00	2.123E+00	2.345E+01	1.916E+01	1.150E+00
3.700E+03	6.325E+00	9.424E+01	5.166E+01	4.582E+00	2.151E+00	2.529E+01	2.099E+01	1.188E+00
3.800E+03	4.271E+00	1.009E+02	5.238E+01	4.574E+00	2.183E+00	2.626E+01	2.289E+01	1.166E+00
3.900E+03	1.211E+00	1.042E+02	5.315E+01	4.671E+00	2.220E+00	3.063E+01	2.482E+01	1.186E+00
4.000E+03	1.100E+00	1.161E+02	5.397E+01	4.775E+00	2.261E+00	3.346E+01	2.674E+01	1.164E+00
4.100E+03	1.115E+00	1.247E+02	5.483E+01	4.885E+00	2.307E+00	3.608E+01	2.861E+01	1.147E+00
4.200E+03	1.065E+00	1.339E+02	5.573E+01	5.001E+00	2.357E+00	3.842E+01	3.030E+01	1.148E+00
4.300E+03	1.017E+00	1.438E+02	5.667E+01	5.123E+00	2.411E+00	4.099E+01	3.196E+01	1.150E+00
4.400E+03	9.739E-01	1.524E+02	5.764E+01	5.250E+00	2.470E+00	4.311E+01	3.333E+01	1.153E+00
4.500E+03	9.257E-01	1.605E+02	5.863E+01	5.382E+00	2.531E+00	4.600E+01	3.442E+01	1.156E+00
4.600E+03	8.842E-01	1.762E+02	5.963E+01	5.519E+00	2.595E+00	4.623E+01	3.519E+01	1.200E+00
4.700E+03	6.431E-01	1.878E+02	6.064E+01	5.658E+00	2.661E+00	4.705E+01	3.561E+01	1.224E+00
4.800E+03	8.055E-01	1.994E+02	6.165E+01	5.800E+00	2.728E+00	4.794E+01	3.565E+01	1.209E+00
4.900E+03	7.702E-01	2.111E+02	6.261E+01	5.938E+00	2.795E+00	4.718E+01	3.533E+01	1.214E+00
5.000E+03	7.376E-01	2.226E+02	6.339E+01	6.086E+00	2.859E+00	4.644E+01	3.445E+01	1.219E+00
5.200E+03	6.795E-01	2.448E+02	6.533E+01	6.368E+00	2.983E+00	4.365E+01	3.247E+01	1.230E+00
5.400E+03	6.314E-01	2.656E+02	6.646E+01	6.646E+00	3.093E+00	3.988E+01	2.962E+01	1.242E+00
5.500E+03	5.929E-01	2.841E+02	6.828E+01	6.896E+00	3.187E+00	3.599E+01	2.666E+01	1.254E+00
5.800E+03	5.568E-01	3.026E+02	6.547E+01	7.132E+00	3.264E+00	3.238E+01	2.313E+01	1.263E+00
6.000E+03	5.277E-01	3.160E+02	7.052E+01	7.345E+00	3.330E+00	2.971E+01	2.223E+01	1.277E+00
6.200E+03	5.025E-01	3.302E+02	7.146E+01	7.534E+00	3.385E+00	2.802E+01	2.108E+01	1.273E+00
6.400E+03	4.801E-01	3.434E+02	7.234E+01	7.703E+00	3.432E+00	2.725E+01	2.064E+01	1.271E+00
6.600E+03	4.599E-01	3.572E+02	7.317E+01	7.855E+00	3.476E+00	2.725E+01	2.080E+01	1.264E+00
6.800E+03	4.414E-01	3.707E+02	7.399E+01	7.999E+00	3.513E+00	2.784E+01	2.142E+01	1.260E+00
7.000E+03	4.242E-01	3.846E+02	7.481E+01	8.130E+00	3.551E+00	2.841E+01	2.232E+01	1.254E+00
7.200E+03	4.081E-01	3.951E+02	7.564E+01	8.280E+00	3.589E+00	2.999E+01	2.333E+01	1.248E+00
7.400E+03	3.728E-01	4.142E+02	7.646E+01	8.426E+00	3.627E+00	3.113E+01	2.429E+01	1.244E+00
7.600E+03	3.745E-01	4.259E+02	7.732E+01	8.579E+00	3.666E+00	3.203E+01	2.502E+01	1.243E+00
7.800E+03	3.664E-01	4.457E+02	7.818E+01	8.738E+00	3.705E+00	3.251E+01	2.538E+01	1.243E+00
8.000E+03	3.521E-01	4.617E+02	7.898E+01	8.906E+00	3.743E+00	3.245E+01	2.529E+01	1.246E+00
8.200E+03	3.402E-01	4.776E+02	7.977E+01	9.080E+00	3.780E+00	3.180E+01	2.470E+01	1.251E+00
8.400E+03	3.291E-01	4.930E+02	8.053E+01	9.260E+00	3.815E+00	3.061E+01	2.334E+01	1.259E+00
8.600E+03	3.188E-01	5.077E+02	8.123E+01	9.446E+00	3.848E+00	2.898E+01	2.227E+01	1.249E+00
8.800E+03	3.042E-01	5.215E+02	8.187E+01	9.634E+00	3.875E+00	2.711E+01	2.060E+01	1.261E+00
9.000E+03	3.040E-01	5.346E+02	8.246E+01	9.829E+00	3.900E+00	2.510E+01	1.905E+01	1.259E+00
9.200E+03	2.923E-01	5.464E+02	8.299E+01	1.002E+01	3.921E+00	2.330E+01	1.752E+01	1.310E+00
9.400E+03	2.844E-01	5.575E+02	8.349E+01	1.021E+01	3.939E+00	2.177E+01	1.618E+01	1.324E+00
9.600E+03	2.777E-01	5.679E+02	8.392E+01	1.039E+01	3.955E+00	2.046E+01	1.509E+01	1.338E+00
9.800E+03	2.712E-01	5.777E+02	8.433E+01	1.056E+01	3.968E+00	1.947E+01	1.424E+01	1.349E+00
1.000E+04	2.650E-01	5.871E+02	8.472E+01	1.072E+01	3.980E+00	1.878E+01	1.368E+01	1.357E+00
1.100E+04	2.381E-01	6.324E+02	8.677E+01	1.120E+01	4.026E+00	1.881E+01	1.379E+01	1.352E+00
1.200E+04	2.155E-01	6.829E+02	8.825E+01	1.166E+01	4.077E+00	2.033E+01	1.705E+01	1.311E+00
1.300E+04	1.954E-01	7.161E+02	9.030E+01	1.209E+01	4.121E+00	2.050E+01	1.727E+01	1.274E+00
1.400E+04	1.764E-01	8.200E+02	9.210E+01	1.250E+01	4.200E+00	2.079E+01	1.748E+01	1.248E+00
1.500E+04	1.593E-01	9.341E+02	9.527E+01	1.317E+01	4.317E+00	4.558E+01	3.746E+01	1.232E+00
1.600E+04	1.427E-01	1.049E+03	9.926E+01	1.388E+01	4.419E+00	6.082E+01	4.666E+01	1.223E+00
1.700E+04	1.271E-01	1.234E+03	1.032E+01	1.467E+01	4.579E+00	7.339E+01	5.534E+01	1.220E+00
1.800E+04	1.124E-01	1.414E+03	1.127E+01	1.557E+01	5.190E+00	8.433E+01	6.254E+01	1.221E+00
1.900E+04	1.002E-01	1.607E+03	1.126E+01	1.650E+01	5.538E+00	9.177E+01	6.490E+01	1.227E+00
2.000E+04	8.931E-02	1.677E+03	1.174E+01	1.761E+01	5.903E+00	9.407E+01	6.775E+01	1.236E+00
2.100E+04	8.020E-02	2.166E+03	1.219E+01	1.866E+01	6.621E+00	9.900E+01	6.488E+01	1.248E+00
2.200E+04	7.275E-02	2.322E+03	1.260E+01	1.975E+01	6.508E+00	8.342E+01	5.918E+01	1.266E+00
2.300E+04	6.673E-02	2.515E+03	1.255E+01	2.080E+01	6.870E+00	7.389E+01	5.200E+01	1.288E+00
2.400E+04	6.185E-02	2.685E+03	1.323E+01	2.181E+01	7.106E+00	6.371E+01	4.468E+01	1.312E+00
2.500E+04	5.906E-02	2.830E+03	1.384E+01	2.270E+01	7.290E+00	5.485E+01	3.617E+01	1.337E+00
2.600E+04	5.553E-02	2.957E+03	1.438E+01	2.369E+01	7.437E+00	4.776E+01	3.295E+01	1.346E+00
2.700E+04	5.171E-02	3.064E+03	1.485E+01	2.453E+01	7.553E+00	4.266E+01	2.923E+01	1.348E+00
2.800E+04	4.926E-02	3.168E+03	1.490E+01	2.526E+01	7.649E+00	3.944E+01	2.649E+01	1.403E+00
2.900E+04	4.706E-02	3.263E+03	1.414E+01	2.597E+01	7.722E+00	3.705E+01	2.460E+01	1.448E+00
3.000E+04	4.512E-02	3.357E+03	1.426E+01	2.635E+01	7.790E+00	3.606E+01	2.300E+01	1.494E+00
3.100E+04	4.331E-02	3.452E+03	1.439E+01	2.670E+01	7.854E+00	3.599E+01	2.177E+01	1.502E+00
3.200E+04	4.146E-02	3.553E+03	1.452E+01	2.707E+01	7.917E+00	4.227E+01	2.004E+01	1.362E+00
3.300E+04	4.002E-02	3.661E+03	1.466E+01	2.744E+01	7.966E+00	4.522E+01	1.904E+01	1.342E+00
3.400E+04	3.494E-02	3.779E+03	1.480E+01	2.762E+01	8.057E+00	4.945E+01	1.859E+01	1.329E+00
3.500E+04	3.706E-02	3.905E+03	1.495E+01	2.822E+01	8.174E+00	5.265E+01	1.844E+01	1.319E+00
3.600E+04	3.565E-02	4.038E+03	1.510E+01	2.875E+01	8.217E+00	5.527E+01	1.808E+01	1.314E+00
3.700E+04	3.433E-02	4.177E+03	1.525E+01	2.929E+01	8.301E+00	5.666E+01	1.791E+01	1.314E+00
3.800E+04	3.313E-02	4.325E+03	1.540E+01	2.968E+01	8.384E+00	5.861E+01	1.735E+01	1.302E+00
3.900E+04	3.164E-02	4.482E+03	1.553E+01	3.070E+01	8.471E+00	6.058E+01	1.677E+01	1.292E+00
4.000E+04	3.066E-02	4.646E+03	1.569E+01	3.174E+01	8.564E+00	6.261E+01	1.622E+01	1.282E+00
4.100E+04	2.987E-02	4.717E+03	1.582E+01	3.276E+01	8.651E+00	6.464E+01	1.574E+01	1.272E+00
4.200E+04	2.895E-02	4.839E+03	1.593E+01	3.344E+01	8.741E+00	6.671E+01	1.523E+01	1.262E+00
4.300E+04	2.811E-02	4.935E+03	1.605E+01	3.307E+01	8.825E+00	6.873E+01	1.472E+01	1.252E+00
4.400E+04	2.737E-02	5.065E+03	1.615E+01	3.364E+01	8.773E+00	6.934E+01	1.422E+01	1.241E+00
4.500E+04	2.659E+02	5.172E+03	1.625E+01	3.419E+01	8.615E+00	6.997E+01	1.378E+01	1.231E+00
4.600E+04	2.589E+02	5.276E+03	1.634E+01	3.464E+01	8.459E+00	6.915E+01	1.327E+01	1.221E+00
4.700E+04	2.523E+02	5.300E+03	1.643E+01	3.506E+01	8.291E+00	6.826E+01	1.278E+01	1.211E+00
4.800E+04	2.461E+02	5.348E+03	1.652E+01	3.542E+01	8.127E+00	6.733E+01	1.226E+01	1.201E+00
4.900E+04	2.401E+02	5.395E+03	1.661E+01	3.570E+01	8.963E+00	6.500E+01	1.223E+01	1.190E+00
5.000E+04	2.343E+02	5.708E+03	1.670E+01	3.607E+01	9.001E+00	6.723E+01	1.323E+01	1.183E+00

TABLE I.- Continued

P/PO = 2.80E+01

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	1.760E+01	-2.289E+00	2.600E+01	1.274E+00	1.265E+00	2.492E+01	1.902E+01	1.189E+00
6.000E+02	1.151E+01	4.690E+00	3.115E+01	1.597E+00	1.644E+00	2.742E+01	2.036E+01	1.217E+00
7.000E+02	8.54E+00	1.004E+01	3.452E+01	1.885E+00	1.876E+00	1.590E+01	1.105E+01	1.273E+00
8.000E+02	7.253E+00	1.410E+01	3.619E+01	2.104E+00	1.957E+00	1.002E+01	7.374E+00	1.330E+00
9.000E+02	6.364E+00	1.532E+01	3.725E+01	2.269E+00	1.983E+00	7.779E+00	5.662E+00	1.364E+00
1.000E+03	5.711E+00	1.728E+01	3.809E+01	2.433E+00	1.992E+00	7.779E+00	5.662E+00	1.358E+00
1.100E+03	5.173E+00	1.919E+01	3.883E+01	2.520E+00	1.996E+00	7.665E+00	5.610E+00	1.361E+00
1.200E+03	4.733E+00	2.108E+01	3.949E+01	2.629E+00	1.997E+00	7.677E+00	5.652E+00	1.357E+00
1.300E+03	4.371E+00	2.299E+01	4.011E+01	2.731E+00	1.998E+00	7.735E+00	5.721E+00	1.351E+00
1.400E+03	4.058E+00	2.491E+01	4.069E+01	2.829E+00	1.999E+00	7.812E+00	5.803E+00	1.356E+00
1.500E+03	3.787E+00	2.685E+01	4.123E+01	2.923E+00	1.999E+00	7.895E+00	5.889E+00	1.340E+00
1.600E+03	3.550E+00	2.861E+01	4.175E+01	3.013E+00	1.999E+00	7.980E+00	5.975E+00	1.335E+00
1.700E+03	3.341E+00	3.000E+01	4.224E+01	3.100E+00	2.000E+00	8.066E+00	6.063E+00	1.330E+00
1.800E+03	3.155E+00	3.200E+01	4.270E+01	3.185E+00	2.000E+00	8.156E+00	6.152E+00	1.325E+00
1.900E+03	2.989E+00	3.484E+01	4.315E+01	3.266E+00	2.000E+00	8.254E+00	6.249E+00	1.321E+00
2.000E+03	2.839E+00	3.650E+01	4.358E+01	3.345E+00	2.000E+00	8.347E+00	6.356E+00	1.316E+00
2.100E+03	2.703E+00	3.858E+01	4.399E+01	3.420E+00	2.000E+00	8.533E+00	6.488E+00	1.318E+00
2.200E+03	2.580E+00	4.111E+01	4.439E+01	3.493E+00	2.001E+00	8.676E+00	6.650E+00	1.304E+00
2.300E+03	2.467E+00	4.329E+01	4.479E+01	3.562E+00	2.001E+00	8.893E+00	6.853E+00	1.297E+00
2.400E+03	2.363E+00	4.535E+01	4.511E+01	3.629E+00	2.002E+00	9.174E+00	7.112E+00	1.289E+00
2.500E+03	2.267E+00	4.785E+01	4.550E+01	3.692E+00	2.004E+00	9.533E+00	7.461E+00	1.280E+00
2.600E+03	2.177E+00	5.027E+01	4.595E+01	3.753E+00	2.006E+00	9.991E+00	7.833E+00	1.271E+00
2.700E+03	2.093E+00	5.282E+01	4.636E+01	3.812E+00	2.009E+00	1.059E+01	8.362E+00	1.260E+00
2.800E+03	2.014E+00	5.552E+01	4.674E+01	3.869E+00	2.013E+00	1.126E+01	8.981E+00	1.249E+00
2.900E+03	1.942E+00	5.842E+01	4.715E+01	3.927E+00	2.019E+00	1.210E+01	9.723E+00	1.239E+00
3.000E+03	1.869E+00	6.154E+01	4.758E+01	3.985E+00	2.026E+00	1.311E+01	1.060E+01	1.229E+00
3.100E+03	1.800E+00	6.494E+01	4.803E+01	4.064E+00	2.035E+00	1.420E+01	1.161E+01	1.220E+00
3.200E+03	1.735E+00	6.864E+01	4.851E+01	4.101E+00	2.046E+00	1.566E+01	1.276E+01	1.212E+00
3.300E+03	1.671E+00	7.211E+01	4.902E+01	4.172E+00	2.059E+00	1.718E+01	1.406E+01	1.205E+00
3.400E+03	1.609E+00	7.510E+01	4.956E+01	4.242E+00	2.076E+00	1.892E+01	1.549E+01	1.195E+00
3.500E+03	1.548E+00	7.810E+01	5.014E+01	4.316E+00	2.093E+00	2.084E+01	1.704E+01	1.185E+00
3.600E+03	1.494E+00	8.149E+01	4.751E+01	4.394E+00	2.119E+00	2.294E+01	1.874E+01	1.171E+00
3.700E+03	1.430E+00	8.537E+01	5.142E+01	4.479E+00	2.141E+00	2.520E+01	2.052E+01	1.169E+00
3.800E+03	1.373E+00	8.959E+01	5.213E+01	4.569E+00	2.177E+00	2.760E+01	2.236E+01	1.167E+00
3.900E+03	1.316E+00	9.718E+02	5.284E+01	4.665E+00	2.212E+00	3.010E+01	2.425E+01	1.166E+00
4.000E+03	1.261E+00	1.169E+02	5.368E+01	4.767E+00	2.252E+00	3.266E+01	2.613E+01	1.167E+00
4.100E+03	1.216E+00	1.235E+02	5.425E+01	4.875E+00	2.294E+00	3.523E+01	2.797E+01	1.167E+00
4.200E+03	1.153E+00	1.323E+02	5.540E+01	4.989E+00	2.345E+00	3.774E+01	2.971E+01	1.169E+00
4.300E+03	1.111E+00	1.419E+02	5.682E+01	5.109E+00	2.398E+00	4.010E+01	3.130E+01	1.191E+00
4.400E+03	1.051E+00	1.520E+02	5.720E+01	5.234E+00	2.455E+00	4.224E+01	3.272E+01	1.193E+00
4.500E+03	1.004E+00	1.627E+02	5.862E+01	5.365E+00	2.515E+00	4.406E+01	3.383E+01	1.197E+00
4.600E+03	9.578E-01	1.737E+02	5.922E+01	5.499E+00	2.577E+00	4.550E+01	3.487E+01	1.202E+00
4.700E+03	9.159E-01	1.851E+02	6.021E+01	5.637E+00	2.642E+00	4.647E+01	3.517E+01	1.204E+00
4.800E+03	8.731E-01	1.966E+02	6.120E+01	5.778E+00	2.708E+00	4.699E+01	3.532E+01	1.208E+00
4.900E+03	8.356E-01	2.082E+02	6.216E+01	5.920E+00	2.773E+00	4.888E+01	3.511E+01	1.213E+00
5.000E+03	8.002E-01	2.197E+02	6.311E+01	6.062E+00	2.838E+00	4.832E+01	3.494E+01	1.218E+00
5.200E+03	7.373E-01	2.419E+02	6.526E+01	6.344E+00	2.946E+00	4.238E+01	3.272E+01	1.229E+00
5.400E+03	6.843E-01	2.627E+02	6.647E+01	6.616E+00	3.073E+00	4.032E+01	3.083E+01	1.241E+00
5.600E+03	6.398E-01	2.815E+02	6.766E+01	6.873E+00	3.169E+00	3.644E+01	2.705E+01	1.252E+00
5.800E+03	6.024E-01	2.986E+02	6.907E+01	7.112E+00	3.250E+00	3.292E+01	2.450E+01	1.262E+00
6.000E+03	5.706E-01	3.141E+02	7.016E+01	7.328E+00	3.317E+00	3.017E+01	2.233E+01	1.269E+00
6.200E+03	5.429E-01	3.286E+02	7.109E+01	7.521E+00	3.373E+00	2.838E+01	2.128E+01	1.272E+00
6.400E+03	5.185E-01	3.421E+02	7.197E+01	7.693E+00	3.422E+00	2.743E+01	2.074E+01	1.272E+00
6.600E+03	4.966E-01	3.555E+02	7.281E+01	7.849E+00	3.465E+00	2.729E+01	2.079E+01	1.267E+00
6.800E+03	4.765E-01	3.691E+02	7.363E+01	7.994E+00	3.505E+00	2.777E+01	2.131E+01	1.261E+00
7.000E+03	4.579E-01	3.829E+02	7.445E+01	8.134E+00	3.543E+00	2.860E+01	2.194E+01	1.255E+00
7.200E+03	4.404E-01	3.973E+02	7.527E+01	8.276E+00	3.581E+00	2.970E+01	2.214E+01	1.250E+00
7.400E+03	4.240E-01	4.123E+02	7.610E+01	8.421E+00	3.619E+00	3.088E+01	2.305E+01	1.248E+00
7.600E+03	4.085E-01	4.277E+02	7.656E+01	8.573E+00	3.659E+00	3.180E+01	2.401E+01	1.244E+00
7.800E+03	3.939E-01	4.435E+02	7.777E+01	8.731E+00	3.696E+00	3.236E+01	2.523E+01	1.244E+00
8.000E+03	3.801E-01	4.595E+02	7.859E+01	8.896E+00	3.755E+00	3.238E+01	2.522E+01	1.247E+00
8.200E+03	3.672E-01	4.754E+02	7.938E+01	9.069E+00	3.772E+00	3.145E+01	2.518E+01	1.251E+00
8.400E+03	3.551E-01	4.908E+02	8.016E+01	9.247E+00	3.807E+00	3.077E+01	2.579E+01	1.258E+00
8.600E+03	3.439E-01	5.056E+02	8.085E+01	9.432E+00	3.839E+00	2.923E+01	2.660E+01	1.268E+00
8.800E+03	3.334E-01	5.196E+02	8.150E+01	9.621E+00	3.864E+00	2.745E+01	2.695E+01	1.279E+00
9.000E+03	3.241E-01	5.327E+02	8.209E+01	9.812E+00	3.893E+00	2.555E+01	1.935E+01	1.293E+00
9.200E+03	3.152E-01	5.448E+02	8.263E+01	1.000E+01	3.910E+00	2.372E+01	1.701E+01	1.307E+00
9.400E+03	3.070E-01	5.561E+02	8.313E+01	1.019E+01	3.934E+00	2.210E+01	1.645E+01	1.322E+00
9.600E+03	2.994E-01	5.666E+02	8.358E+01	1.038E+01	3.951E+00	2.075E+01	1.531E+01	1.335E+00
9.800E+03	2.923E-01	5.766E+02	8.399E+01	1.055E+01	3.966E+00	1.969E+01	1.463E+01	1.347E+00
1.000E+04	2.856E-01	5.861E+02	8.438E+01	1.071E+01	3.976E+00	1.894E+01	1.381E+01	1.356E+00
1.020E+04	2.732E-01	6.013E+02	8.479E+01	1.149E+01	4.073E+00	1.728E+01	1.375E+01	1.352E+00
1.040E+04	2.617E-01	6.154E+02	8.519E+01	1.209E+01	4.145E+00	2.045E+01	2.076E+01	1.277E+00
1.060E+04	2.509E+00	6.235E+02	8.551E+01	1.257E+01	4.250E+00	3.688E+01	2.064E+01	1.250E+00
1.080E+04	2.409E+00	6.296E+02	8.582E+01	1.315E+01	4.399E+00	4.733E+01	2.052E+01	1.233E+00
1.100E+04	2.314E+00	6.354E+02	8.614E+01	1.376E+01	4.537E+00	5.925E+01	2.049E+01	1.224E+00
1.120E+04	2.225E+00	6.410E+02	8.670E+01	1.429E+01	4.694E+00	7.153E+01	2.046E+01	1.221E+00
1.140E+04	2.139E+00	6.471E+02	8.717E+01	1.477E+01	4.845E+00	8.326E+01	2.042E+01	1.221E+00
1.160E+04	2.054E+00	6.523E+02	8.758E+01	1.525E+01	4.995E+00	9.492E+01	2.037E+01	1.220E+00
1.180E+04	1.971E+00	6.570E+02	8.799E+01	1.573E+01	5.145E+00	1.061E+02	2.032E+01	1.218E+00
1.200E+04	1.890E+00	6.614E+02	8.837E+01	1.621E+01	5.349E+00	1.188E+02	2.027E+01	1.216E+00
1.220E+04	1.810E+00	6.651E+02	8.875E+01	1.669E+01	5.548E+00	1.315E+02	2.022E+01	1.214E+00
1.240E+04	1.731E+00	6.683E+02	8.913E+01	1.717E+01	5.747E+00	1.442E+02	2.017E+01	1.212E+00
1.260E+04	1.653E+00	6.714E+02	8.951E+01	1.765E+01	5.946E+00	1.570E+02	2.012E+01	1.210E+00
1.280E+04	1.575E+00	6.745E+02						

TABLE I.- Continued

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
2.100E+04	8.716E-02	2.078E+03	1.209E+02	1.059E+01	6.204E+00	9.078E+01	6.483E+01	1.247E+00
2.200E+04	7.902E-02	2.294E+03	1.250E+02	1.065E+01	6.532E+00	8.400E+01	5.959E+01	1.204E+00
2.300E+04	7.241E-02	2.130E+03	1.205E+02	2.069E+01	6.819E+00	7.473E+01	5.273E+01	1.285E+00
2.400E+04	6.704E-02	2.662E+03	1.315E+02	2.171E+01	7.057E+00	6.495E+01	4.555E+01	1.309E+00
2.500E+04	6.245E-02	2.811E+03	1.343E+02	2.248E+01	7.250E+00	5.648E+01	3.903E+01	1.335E+00
2.600E+04	5.900E-02	2.460E+03	1.360E+02	2.340E+01	7.403E+00	4.885E+01	3.372E+01	1.361E+00
2.700E+04	5.590E-02	3.054E+03	1.378E+02	2.445E+01	7.523E+00	4.331E+01	2.981E+01	1.384E+00
2.800E+04	5.322E-02	3.156E+03	1.353E+02	2.520E+01	7.620E+00	4.002E+01	2.732E+01	1.400E+00
2.900E+04	5.085E-02	3.252E+03	1.406E+02	2.583E+01	7.700E+00	3.826E+01	2.616E+01	1.405E+00
3.000E+04	4.872E-02	3.346E+03	1.419E+02	2.633E+01	7.770E+00	3.608E+01	2.625E+01	1.400E+00
3.100E+04	4.676E-02	3.441E+03	1.432E+02	2.676E+01	7.834E+00	3.931E+01	2.744E+01	1.385E+00
3.200E+04	4.493E-02	3.541E+03	1.445E+02	2.710E+01	7.898E+00	4.172E+01	2.955E+01	1.367E+00
3.300E+04	4.320E-02	3.648E+03	1.458E+02	2.744E+01	7.964E+00	4.498E+01	3.227E+01	1.348E+00
3.400E+04	4.156E-02	3.763E+03	1.472E+02	2.782E+01	8.030E+00	4.859E+01	3.522E+01	1.333E+00
3.500E+04	3.999E-02	3.887E+03	1.487E+02	2.825E+01	8.112E+00	5.201E+01	3.794E+01	1.322E+00
3.600E+04	3.850E-02	4.016E+03	1.502E+02	2.873E+01	8.193E+00	5.649E+01	4.001E+01	1.316E+00
3.700E+04	3.708E-02	4.156E+03	1.517E+02	2.926E+01	8.277E+00	5.623E+01	4.113E+01	1.315E+00
3.800E+04	3.574E-02	4.295E+03	1.532E+02	2.984E+01	8.361E+00	5.647E+01	4.122E+01	1.318E+00
3.900E+04	3.449E-02	4.433E+03	1.546E+02	3.045E+01	8.442E+00	5.590E+01	4.035E+01	1.325E+00
4.000E+04	3.333E-02	4.568E+03	1.560E+02	3.108E+01	8.514E+00	5.342E+01	3.878E+01	1.334E+00
4.100E+04	3.225E-02	4.697E+03	1.573E+02	3.173E+01	8.588E+00	5.121E+01	3.682E+01	1.349E+00
4.200E+04	3.125E-02	4.82CE+03	1.585E+02	3.238E+01	8.651E+00	4.864E+01	3.476E+01	1.357E+00
4.300E+04	3.033E-02	4.937E+03	1.596E+02	3.301E+01	8.707E+00	4.628E+01	3.287E+01	1.369E+00
4.400E+04	2.947E-02	5.169E+02	1.617E+02	3.360E+01	8.756E+00	4.432E+01	3.134E+01	1.379E+00
4.500E+04	2.867E-02	5.156E+03	1.617E+02	3.415E+01	8.800E+00	4.257E+01	3.030E+01	1.385E+00
4.600E+04	2.792E-02	5.261E+03	1.626E+02	3.463E+01	8.840E+00	4.120E+01	2.981E+01	1.348E+00
4.700E+04	2.712E-02	5.366E+03	1.635E+02	3.505E+01	8.878E+00	4.022E+01	2.992E+01	1.385E+00
4.800E+04	2.654E-02	5.471E+03	1.644E+02	3.541E+01	8.914E+00	3.907E+01	3.062E+01	1.378E+00
4.900E+04	2.589E-02	5.574E+03	1.653E+02	3.572E+01	8.950E+00	4.451E+01	3.188E+01	1.369E+00
5.000E+04	2.527E-02	5.651E+03	1.662E+02	3.600E+01	8.987E+00	4.655E+01	3.361E+01	1.357E+00

P/P0 = 3.00E+01

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	1.508E+01	-2.424E+00	2.580E+01	1.270E+00	1.276E+00	2.439E+01	1.864E+01	1.190E+00
6.100E+02	1.243E+01	4.848E+00	3.993E+01	1.391E+00	1.631E+00	2.775E+01	2.044E+01	1.216E+00
7.000E+02	9.298E+00	9.526E+00	3.433E+01	1.480E+00	1.889E+00	1.629E+01	1.213E+01	1.271E+00
8.000E+02	7.783E+00	1.130E+01	3.043E+01	1.510E+00	1.954E+00	1.019E+01	7.507E+00	1.328E+00
9.000E+02	6.823E+00	1.530E+01	3.710E+01	2.208E+00	1.981E+00	6.335E+00	6.088E+00	1.336E+00
1.100E+03	6.110E+00	1.727E+01	3.793E+01	2.402E+00	1.991E+00	7.804E+00	5.702E+00	1.363E+00
1.200E+03	5.597E+00	2.104E+01	3.649E+01	2.202E+00	1.995E+00	7.677E+00	5.621E+00	1.361E+00
1.300E+03	4.684E+00	2.259E+01	3.934E+01	2.629E+00	1.997E+00	7.663E+00	5.636E+00	1.356E+00
1.400E+03	4.344E+00	2.491E+01	4.059E+01	2.829E+00	1.999E+00	7.739E+00	5.723E+00	1.351E+00
1.500E+03	4.057E+00	2.686E+01	4.111E+01	2.923E+00	1.999E+00	7.896E+00	5.899E+00	1.345E+00
1.600E+03	3.803E+00	2.881E+01	4.161E+01	3.013E+00	1.999E+00	7.980E+00	5.976E+00	1.335E+00
1.700E+03	3.579E+00	3.090E+01	4.210E+01	3.100E+00	2.000E+00	8.064E+00	6.064E+00	0.635E+00
1.800E+03	3.380E+00	3.280E+01	4.257E+01	3.185E+00	2.000E+00	8.156E+00	6.152E+00	1.329E+00
1.900E+03	3.202E+00	3.668E+01	4.301E+01	3.266E+00	2.000E+00	8.239E+00	6.247E+00	1.321E+00
2.000E+03	3.042E+00	3.689E+01	4.346E+01	3.349E+00	2.000E+00	8.366E+00	6.355E+00	1.316E+00
2.100E+03	2.896E+00	3.899E+01	4.393E+01	3.421E+00	2.000E+00	8.479E+00	6.483E+00	1.310E+00
2.200E+03	2.764E+00	4.111E+01	4.426E+01	3.493E+00	2.001E+00	8.666E+00	6.641E+00	1.304E+00
2.300E+03	2.643E+00	4.328E+01	4.465E+01	3.563E+00	2.001E+00	8.877E+00	6.839E+00	1.297E+00
2.400E+03	2.552E+00	4.552E+01	4.530E+01	3.629E+00	2.002E+00	9.151E+00	7.091E+00	1.256E+00
2.500E+03	2.462E+00	4.783E+01	4.593E+01	3.694E+00	2.004E+00	9.510E+00	7.410E+00	1.281E+00
2.600E+03	2.333E+00	5.024E+01	4.658E+01	3.759E+00	2.006E+00	9.948E+00	7.810E+00	1.271E+00
2.700E+03	2.242E+00	5.278E+01	4.619E+01	3.813E+00	2.009E+00	1.049E+01	8.303E+00	1.261E+00
2.800E+03	2.155E+00	5.546E+01	4.659E+01	3.871E+00	2.013E+00	1.177E+01	9.902E+00	1.251E+00
2.900E+03	2.079E+00	5.833E+01	4.700E+01	3.928E+00	2.018E+00	1.199E+01	9.621E+00	1.240E+00
3.000E+03	2.003E+00	6.142E+01	4.742E+01	3.986E+00	2.023E+00	1.296E+01	1.047E+01	1.231E+00
3.100E+03	1.930E+00	6.470E+01	4.787E+01	4.046E+00	2.033E+00	1.410E+01	1.165E+01	1.222E+00
3.200E+03	1.866E+00	6.843E+01	4.833E+01	4.108E+00	2.046E+00	1.515E+01	1.294E+01	1.213E+00
3.300E+03	1.792E+00	7.243E+01	4.880E+01	4.173E+00	2.057E+00	1.694E+01	1.410E+01	1.204E+00
3.400E+03	1.726E+00	7.683E+01	4.937E+01	4.241E+00	2.073E+00	1.858E+01	1.510E+01	1.211E+00
3.500E+03	1.661E+00	8.166E+01	4.994E+01	4.314E+00	2.092E+00	2.044E+01	1.673E+01	1.190E+00
3.600E+03	1.598E+00	8.697E+01	5.055E+01	4.392E+00	2.115E+00	2.248E+01	1.834E+01	1.192E+00
3.700E+03	1.536E+00	9.280E+01	5.122E+01	4.476E+00	2.141E+00	2.467E+01	2.009E+01	1.190E+00
3.800E+03	1.475E+00	9.919E+01	5.189E+01	4.566E+00	2.171E+00	2.700E+01	2.189E+01	1.188E+00
3.900E+03	1.415E+00	1.062E+02	5.248E+01	4.659E+00	2.205E+00	2.964E+01	2.372E+01	1.187E+00
4.000E+03	1.356E+00	1.138E+02	5.341E+01	4.759E+00	2.244E+00	3.194E+01	2.557E+01	1.187E+00
4.100E+03	1.298E+00	1.220E+02	5.423E+01	4.866E+00	2.287E+00	3.466E+01	2.738E+01	1.188E+00
4.200E+03	1.241E+00	1.308E+02	5.524E+01	4.978E+00	2.334E+00	3.693E+01	2.911E+01	1.189E+00
4.300E+03	1.186E+00	1.402E+02	5.595E+01	5.096E+00	2.385E+00	3.928E+01	3.070E+01	1.191E+00
4.400E+03	1.133E+00	1.501E+02	5.669E+01	5.220E+00	2.441E+00	4.138E+01	3.211E+01	1.194E+00
4.500E+03	1.082E+00	1.606E+02	5.747E+01	5.349E+00	2.499E+00	4.329E+01	3.326E+01	1.195E+00
4.600E+03	1.033E+00	1.715E+02	5.848E+01	5.482E+00	2.561E+00	4.517E+01	3.437E+01	1.197E+00
4.700E+03	9.866E+01	1.826E+02	5.942E+01	5.618E+00	2.624E+00	4.707E+01	3.549E+01	1.200E+00
4.800E+03	9.426E+01	1.940E+02	6.079E+01	5.757E+00	2.689E+00	4.846E+01	3.659E+01	1.208E+00

TABLE I. - Continued

T	RHO/RHO-D	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
4.900E+03	9.016E-01	2.055E+02	6.175E+C1	5.698E+00	2.754E+00	4.655E+01	3.488E+01	1.213E+00
5.000E+03	8.633E-01	2.149E+02	6.269E+C1	6.040E+00	2.819E+00	4.615E+01	3.444E+01	1.216E+00
5.200E+03	7.952E-01	2.392E+02	6.446E+C1	6.521E+00	2.942E+00	4.403E+01	3.208E+01	1.228E+00
5.400E+03	7.376E-01	2.601E+02	6.608E+C1	6.593E+00	3.055E+00	4.069E+01	3.016E+01	1.240E+00
5.600E+03	6.892E-01	2.792E+02	6.747E+C1	6.652E+00	3.152E+00	3.693E+01	2.739E+01	1.251E+00
5.800E+03	6.484E-01	2.964E+02	6.870E+C1	7.093E+00	3.235E+00	3.341E+01	2.484E+01	1.261E+00
6.000E+03	6.137E-01	3.121E+02	6.978E+C1	7.312E+00	3.304E+00	3.040E+01	2.282E+01	1.265E+00
6.200E+03	5.836E-01	3.267E+02	7.075E+C1	7.508E+00	3.362E+00	2.866E+01	2.149E+01	1.272E+00
6.400E+03	5.572E-01	3.405E+02	7.164E+C1	7.684E+00	3.412E+00	2.762E+01	2.006E+01	1.272E+00
6.600E+03	5.334E-01	3.549E+02	7.246E+C1	7.842E+00	3.454E+00	2.735E+01	2.079E+01	1.244E+00
6.800E+03	5.117E-01	3.673E+02	7.330E+C1	7.989E+00	3.499E+00	2.772E+01	2.123E+01	1.243E+00
7.000E+03	4.916E-01	3.813E+02	7.411E+C1	8.130E+00	3.535E+00	2.852E+01	2.199E+01	1.257E+00
7.200E+03	4.729E-01	3.956E+02	7.493E+C1	8.272E+00	3.573E+00	2.956E+01	2.292E+01	1.251E+00
7.400E+03	4.553E-01	4.105E+02	7.575E+C1	8.417E+00	3.611E+00	3.049E+01	2.346E+01	1.247E+00
7.600E+03	4.384E-01	4.258E+02	7.658E+C1	8.567E+00	3.650E+00	3.134E+01	2.441E+01	1.245E+00
7.800E+03	4.229E-01	4.415E+02	7.741E+C1	8.724E+00	3.688E+00	3.218E+01	2.508E+01	1.245E+00
8.000E+03	4.081E-01	4.576E+02	7.823E+C1	8.888E+00	3.727E+00	3.230E+01	2.514E+01	1.247E+00
8.200E+03	3.942E-01	4.733E+02	7.902E+C1	9.059E+00	3.764E+00	3.187E+01	2.474E+01	1.231E+00
8.400E+03	3.812E-01	4.888E+02	7.978E+C1	9.236E+00	3.799E+00	3.090E+01	2.309E+01	1.227E+00
8.600E+03	3.692E-01	5.037E+02	8.049E+C1	9.419E+00	3.832E+00	2.948E+01	2.267E+01	1.204E+00
8.800E+03	3.580E-01	5.170E+02	8.115E+C1	9.604E+00	3.861E+00	2.776E+01	2.119E+01	1.202E+00
9.000E+03	3.477E-01	5.310E+02	8.175E+C1	9.797E+00	3.888E+00	2.568E+01	1.962E+01	1.200E+00
9.200E+03	3.382E-01	5.433E+02	8.230E+C1	9.988E+00	3.910E+00	2.404E+01	1.809E+01	1.335E+00
9.400E+03	3.294E-01	5.546E+02	8.282E+C1	1.018E+01	3.930E+00	2.241E+01	1.670E+01	1.319E+00
9.600E+03	3.211E-01	5.659E+02	8.329E+C1	1.036E+01	3.966E+00	2.162E+01	1.553E+01	1.333E+00
9.800E+03	3.134E-01	5.755E+02	8.368E+C1	1.053E+01	3.991E+00	1.991E+01	1.461E+01	1.345E+00
1.000E+04	3.062E-01	5.851E+02	8.407E+C1	1.069E+01	3.973E+00	1.910E+01	1.394E+01	1.334E+00
1.100E+04	2.751E-01	6.305E+02	6.582E+C1	1.129E+01	4.021E+00	1.800E+01	1.359E+01	1.334E+00
1.200E+04	2.491E-01	6.799E+02	6.757E+C1	1.170E+01	4.070E+00	2.197E+01	1.666E+01	1.318E+00
1.300E+04	2.261E-01	7.495E+02	6.954E+C1	1.210E+01	4.139E+00	2.791E+01	2.161E+01	1.286E+00
1.400E+04	2.049E-01	8.143E+02	9.190E+C1	1.257E+01	4.261E+00	3.467E+C1	2.798E+01	1.252E+00
1.500E+04	1.850E-01	8.246E+02	9.472E+C1	1.314E+01	4.388E+00	4.621E+01	3.504E+01	1.235E+00
1.600E+04	1.660E-01	1.040E+03	9.807E+C1	1.381E+01	4.577E+00	5.782E+01	4.433E+01	1.225E+00
1.700E+04	1.464E-01	1.206E+03	1.019E+C2	1.459E+01	4.821E+00	6.949E+01	5.291E+01	1.211E+00
1.800E+04	1.322E-01	1.339E+03	1.062E+C2	1.546E+01	5.115E+00	8.085E+C1	6.166E+01	1.222E+00
1.900E+04	1.176E-01	1.460E+03	1.108E+C2	1.642E+01	5.447E+00	8.885E+01	6.502E+01	1.226E+00
2.100E+04	1.049E-01	1.624E+03	1.155E+02	1.746E+01	5.800E+00	9.220E+01	6.661E+01	1.344E+00
2.200E+04	9.416E-02	2.052E+03	1.226E+C2	1.850E+01	6.152E+00	9.036E+01	6.471E+01	1.246E+00
2.300E+04	8.536E-02	2.249E+03	1.241E+C2	1.956E+01	6.400E+00	8.493E+01	5.991E+01	1.262E+00
2.400E+04	7.814E-02	2.446E+03	1.276E+C2	2.060E+01	6.737E+00	7.563E+01	5.336E+01	1.282E+00
2.500E+04	7.228E-02	2.641E+03	1.307E+C2	2.161E+01	7.013E+00	6.616E+01	4.633E+01	1.356E+00
2.600E+04	6.749E-02	2.793E+03	1.332E+C2	2.259E+01	7.211E+00	5.722E+01	3.983E+01	1.331E+00
2.650E+04	6.350E-02	2.924E+03	1.353E+C2	2.351E+01	7.394E+00	4.987E+01	3.638E+01	1.337E+00
2.700E+04	6.013E-02	3.040E+03	1.370E+C2	2.437E+01	7.694E+00	4.133E+01	3.036E+01	1.341E+00
2.800E+04	5.721E-02	3.146E+03	1.386E+C2	2.514E+01	7.959E+00	4.060E+01	2.777E+01	1.348E+00
2.900E+04	5.464E-02	3.242E+03	1.406E+C2	2.707E+01	7.708E+00	3.458E+01	2.635E+01	1.406E+00
3.000E+04	5.233E-02	3.333E+03	1.421E+C2	2.831E+01	7.170E+00	3.814E+01	2.623E+01	1.401E+00
3.100E+04	5.022E-02	3.431E+03	1.452E+C2	2.976E+01	7.015E+00	3.710E+01	2.721E+01	1.388E+00
3.200E+04	4.825E-02	3.530E+03	1.483E+C2	3.110E+01	7.080E+00	4.127E+01	2.912E+01	1.376E+00
3.300E+04	4.635E-02	3.635E+03	1.495E+C2	2.747E+01	7.546E+00	4.332E+01	3.170E+01	1.352E+00
3.400E+04	4.449E-02	3.748E+03	1.465E+C2	2.782E+01	8.016E+00	4.742E+01	3.456E+01	1.346E+00
3.500E+04	4.296E-02	3.871E+03	1.479E+C2	2.824E+01	8.401E+00	5.124E+01	3.729E+01	1.325E+00
3.600E+04	4.136E-02	4.001E+03	1.494E+C2	2.871E+01	8.172E+00	5.442E+01	3.949E+01	1.316E+00
3.700E+04	3.868E-02	4.136E+03	1.513E+C2	2.922E+01	8.255E+00	5.577E+01	4.075E+01	1.316E+00
3.800E+04	3.604E-02	4.275E+03	1.524E+C2	2.980E+01	8.398E+00	5.627E+01	4.105E+01	1.318E+00
3.900E+04	3.370E-02	4.413E+03	1.538E+C2	3.040E+01	8.420E+00	5.557E+01	4.029E+01	1.324E+00
4.000E+04	3.150E-02	4.548E+03	1.552E+C2	3.103E+01	8.497E+00	5.351E+01	3.900E+01	1.336E+00
4.100E+04	2.944E-02	4.678E+03	1.565E+C2	3.167E+01	8.568E+00	5.165E+01	3.715E+01	1.341E+00
4.200E+04	2.756E-02	4.802E+03	1.579E+C2	3.232E+01	8.632E+00	4.916E+01	3.514E+01	1.355E+00
4.300E+04	2.576E-02	4.926E+03	1.595E+C2	3.295E+01	8.694E+00	4.678E+01	3.324E+01	1.367E+00
4.400E+04	2.404E-02	5.033E+03	1.599E+C2	3.355E+01	8.746E+00	4.477E+01	3.105E+01	1.377E+00
4.500E+04	3.077E-02	5.142E+03	1.606E+C2	3.411E+01	8.785E+00	4.228E+01	3.051E+01	1.384E+00
4.600E+04	2.997E-02	5.247E+03	1.619E+C2	3.461E+01	8.827E+00	4.045E+01	2.990E+01	1.388E+00
4.700E+04	2.920E-02	5.352E+03	1.628E+C2	3.504E+01	8.865E+00	4.230E+01	2.987E+01	1.386E+00
4.800E+04	2.848E-02	5.457E+03	1.637E+C2	3.541E+01	8.901E+00	4.286E+C1	3.041E+01	1.381E+00
4.900E+04	2.771E-02	5.564E+03	1.646E+C2	3.573E+C1	8.937E+00	4.111E+01	3.150E+01	1.372E+00
5.000E+04	2.711E-02	5.675E+03	1.655E+C2	3.602E+01	8.974E+00	4.595E+01	3.309E+01	1.381E+00

P/PC = 3.20E+01

T	RHO/RHO-D	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.300E+02	2.046E+01	-2.547E+00	2.562E+01	1.266E+00	1.268E+00	2.389E+C1	1.624E+01	1.196E+00
6.000E+02	1.334E+01	4.291E+C0	3.046E+C1	1.564E+00	1.619E+00	2.749E+01	2.049E+01	1.214E+00
7.000E+02	9.555E+00	9.413E+00	3.414E+01	1.673E+00	1.862E+00	1.667E+01	1.240E+01	1.207E+00
8.000E+02	6.314E+00	1.301E+C1	3.566E+C1	2.098E+00	1.793E+00	1.036E+01	5.634E+00	1.224E+00
9.000E+02	7.222E+00	1.522E+C1	3.657E+C1	2.266E+00	1.949E+00	6.359E+00	6.137E+00	1.235E+00
1.100E+03	6.520E+00	1.727E+C1	3.702E+C1	2.401E+00	1.871E+00	7.022E+00	5.721E+00	1.243E+00
1.200E+03	5.914E+00	1.918E+C1	3.859E+01	2.520E+00	1.795E+00	7.669E+00	5.336E+00	1.251E+00
1.400E+03	5.415E+C0	2.101E+C1	3.953E+C1	2.629E+00	1.971E+00	7.049E+00	5.661E+00	1.256E+00

TABLE I.- Continued

A/AU/H-J-J	H/RTD	S/R	A/AU	L	CP/R	CV/R	GAMMA
1.300E+03	4.996E+00	2.298E+C1	3.985E+01	2.731E+00	1.998E+00	7.742E+00	5.726E+00
1.400E+03	4.638E+00	2.490E+C1	4.042E+01	2.829E+00	1.999E+00	7.816E+00	5.804E+00
1.500E+03	4.328E+00	2.685E+C1	4.097E+01	2.923E+00	1.999E+00	7.897E+00	5.890E+00
1.600E+03	4.057E+C0	2.881E+C1	4.148E+01	3.013E+00	1.999E+00	7.981E+00	5.976E+00
1.700E+03	3.818E+00	3.080E+C1	4.197E+C1	3.100E+00	1.999E+00	8.067E+00	6.063E+00
1.800E+03	3.626E+C0	3.280E+C1	4.244E+C1	3.189E+00	2.000E+00	8.155E+00	6.151E+00
1.900E+03	3.416E+00	3.483E+C1	4.280E+01	3.264E+00	2.000E+00	8.231E+00	6.246E+00
2.000E+03	3.244E+00	3.689E+C1	4.331E+C1	3.365E+00	2.000E+00	8.314E+00	6.332E+00
2.100E+03	3.169E+00	3.898E+C1	4.372E+C1	3.421E+00	2.000E+00	8.492E+00	6.478E+00
2.200E+03	2.949E+C0	4.110E+C1	4.413E+C1	3.494E+00	2.001E+00	8.634E+00	6.633E+00
2.300E+03	2.714E+00	4.322E+C1	4.452E+C1	3.563E+00	2.001E+00	8.864E+00	6.827E+00
2.400E+03	2.701E+00	4.551E+C1	4.495E+C1	3.630E+00	2.002E+00	9.130E+00	7.073E+00
2.500E+03	2.591E+00	4.781E+C1	4.532E+C1	3.694E+00	2.004E+00	9.470E+00	7.383E+00
2.600E+03	2.489E+00	5.022E+C1	4.567E+C1	3.755E+00	2.006E+00	9.900E+00	7.771E+00
2.700E+03	2.393E+C0	5.274E+C1	4.606E+C1	3.814E+00	2.009E+00	1.044E+01	8.250E+00
2.800E+03	2.303E+00	5.516E+C1	4.645E+C1	3.872E+00	2.012E+00	1.169E+01	8.832E+00
2.900E+03	2.218E+00	5.825E+C1	4.686E+C1	3.930E+00	2.017E+00	1.188E+01	9.529E+00
3.000E+03	2.137E+00	6.132E+C1	4.728E+C1	3.988E+C0	2.024E+00	1.283E+01	1.035E+01
3.100E+03	2.060E+00	6.466E+C1	4.772E+C1	4.047E+00	2.032E+00	1.393E+01	1.13CE+01
3.200E+03	1.985E+00	6.824E+C1	4.819E+C1	4.103E+00	2.043E+00	1.520E+01	1.238E+01
3.300E+03	1.913E+00	7.191E+C1	4.868E+C1	4.173E+00	2.055E+00	1.665E+01	1.36CE+01
3.400E+03	1.843E+00	7.651E+C1	4.920E+C1	4.241E+00	2.071E+00	1.828E+01	1.495E+01
3.500E+03	1.775E+C0	8.126E+C1	4.976E+C1	4.316E+00	2.089E+00	2.006E+01	1.643E+01
3.600E+03	1.708E+00	8.677E+C1	5.036E+C1	4.391E+00	2.111E+00	2.206E+01	1.802E+01
3.700E+03	1.642E+00	9.220E+C1	5.099E+C1	4.473E+00	2.133E+00	2.419E+C1	1.97CE+01
3.800E+03	1.577E+00	9.846E+C1	5.147E+C1	4.550E+00	2.160E+00	2.646E+01	2.145E+01
3.900E+03	1.513E+00	1.053E+C2	5.239E+C1	4.645E+00	2.199E+00	2.884E+C1	2.325E+01
4.000E+03	1.451E+00	1.127E+C2	5.316E+C1	4.753E+00	2.230E+00	3.128E+01	2.506E+01
4.100E+03	1.389E+00	1.230E+C2	5.396E+C1	4.858E+00	2.278E+00	3.375E+C1	2.684E+01
4.200E+03	1.324E+00	1.294E+C2	5.481E+C1	4.959E+00	2.326E+00	3.619E+01	2.855E+01
4.300E+03	1.271E+C0	1.380E+C2	5.565E+C1	5.085E+00	2.374E+00	3.852E+01	3.04CE+01
4.400E+03	1.215E+00	1.444E+C2	5.646E+C1	5.207E+00	2.428E+00	4.067E+01	3.216E+01
4.500E+C1	1.160E+00	1.518E+C2	5.754E+C1	5.334E+00	2.485E+00	4.297E+01	3.376E+01
4.600E+03	1.108E+00	1.594E+C2	5.845E+C1	5.466E+00	2.546E+00	4.413E+01	3.537E+01
4.700E+C1	1.059E+00	1.644E+C2	5.946E+C1	5.601E+00	2.608E+00	4.528E+01	3.644E+01
4.800E+C1	1.012E+C0	1.717E+C2	5.739E+C1	5.739E+00	2.672E+00	4.599E+01	3.665E+01
4.900E+C1	9.709E-01	1.803E+C2	5.817E+C1	5.878E+00	2.730E+00	4.621E+01	3.646E+01
5.000E+C1	9.269E-01	1.944E+C2	5.932E+C1	6.019E+00	2.800E+00	4.596E+01	3.629E+01
5.100E+C1	8.832E-01	2.136E+C2	6.047E+C1	6.199E+00	2.924E+00	4.611E+01	3.676E+01
5.200E+C1	8.435E-01	2.330E+C2	6.254E+C1	6.372E+C0	3.037E+00	4.100E+01	3.037E+01
5.300E+C1	7.915E-01	2.537E+C2	6.454E+C1	6.572E+C0	3.136E+00	3.736E+C1	2.768E+01
5.400E+C1	7.385E-01	2.739E+C2	6.654E+C1	6.782E+C0	3.221E+00	3.388E+01	2.515E+01
5.500E+C1	6.947E-01	2.944E+C2	6.855E+C1	6.974E+C0	3.292E+00	3.121E+01	2.310E+01
5.600E+C1	6.570E-01	3.103E+C2	6.944E+C1	7.129E+C0	3.352E+00	2.837E+01	2.169E+01
5.700E+C1	6.245E-01	3.250E+C2	7.062E+C1	7.294E+C0	3.403E+00	2.701E+01	2.093E+01
5.800E+C1	5.937E-01	3.389E+C2	7.132E+C1	7.470E+C0	3.464E+00	2.743E+01	2.081E+01
5.900E+C1	5.629E-01	2.144E+C2	7.230E+C1	7.631E+C0	3.517E+00	2.794E+01	2.117E+01
6.000E+C1	5.320E-01	2.336E+C2	7.330E+C1	7.831E+C0	3.572E+00	2.840E+01	2.146E+01
6.100E+C1	5.015E-01	2.525E+C2	7.430E+C1	8.031E+C0	3.628E+00	2.880E+01	2.158E+01
6.200E+C1	4.712E-01	2.715E+C2	7.530E+C1	8.231E+C0	3.685E+00	2.918E+01	2.169E+01
6.300E+C1	4.415E-01	2.905E+C2	7.630E+C1	8.431E+C0	3.742E+00	2.956E+01	2.179E+01
6.400E+C1	4.118E-01	3.095E+C2	7.730E+C1	8.631E+C0	3.793E+00	2.994E+01	2.189E+01
6.500E+C1	3.822E-01	3.285E+C2	7.830E+C1	8.831E+C0	3.844E+00	3.032E+01	2.200E+01
6.600E+C1	3.525E-01	3.475E+C2	7.930E+C1	9.031E+C0	3.894E+00	3.070E+01	2.210E+01
6.700E+C1	3.228E-01	3.665E+C2	8.030E+C1	9.231E+C0	3.945E+00	3.108E+01	2.220E+01
6.800E+C1	2.932E-01	3.855E+C2	8.130E+C1	9.431E+C0	4.006E+00	3.146E+01	2.230E+01
6.900E+C1	2.635E-01	4.045E+C2	8.230E+C1	9.631E+C0	4.067E+00	3.184E+01	2.240E+01
7.000E+C1	2.338E-01	4.235E+C2	8.330E+C1	9.831E+C0	4.128E+00	3.222E+01	2.250E+01
7.100E+C1	2.041E-01	4.425E+C2	8.430E+C1	1.003E+C1	4.189E+00	3.260E+01	2.260E+01
7.200E+C1	1.744E-01	4.615E+C2	8.530E+C1	1.023E+C1	4.250E+00	3.298E+01	2.270E+01
7.300E+C1	1.447E-01	4.805E+C2	8.630E+C1	1.043E+C1	4.311E+00	3.336E+01	2.280E+01
7.400E+C1	1.150E-01	5.005E+C2	8.730E+C1	1.063E+C1	4.372E+00	3.374E+01	2.290E+01
7.500E+C1	8.532E-02	5.195E+C2	8.830E+C1	1.083E+C1	4.433E+00	3.412E+01	2.300E+01
7.600E+C1	5.559E-02	5.385E+C2	8.930E+C1	1.103E+C1	4.494E+00	3.449E+01	2.310E+01
7.700E+C1	2.586E-02	5.575E+C2	9.030E+C1	1.123E+C1	4.555E+00	3.487E+01	2.320E+01
7.800E+C1	-0.193E-02	5.765E+C2	9.130E+C1	1.143E+C1	4.616E+00	3.525E+01	2.330E+01
7.900E+C1	1.206E-02	5.955E+C2	9.230E+C1	1.163E+C1	4.677E+00	3.563E+01	2.340E+01
8.000E+C1	1.909E-02	6.145E+C2	9.330E+C1	1.183E+C1	4.738E+00	3.601E+01	2.350E+01
8.100E+C1	2.612E-02	6.335E+C2	9.430E+C1	1.203E+C1	4.799E+00	3.639E+01	2.360E+01
8.200E+C1	3.315E-02	6.525E+C2	9.530E+C1	1.223E+C1	4.860E+00	3.677E+01	2.370E+01
8.300E+C1	4.018E-02	6.715E+C2	9.630E+C1	1.243E+C1	4.921E+00	3.715E+01	2.380E+01
8.400E+C1	4.721E-02	6.905E+C2	9.730E+C1	1.263E+C1	4.982E+00	3.753E+01	2.390E+01
8.500E+C1	5.424E-02	7.095E+C2	9.830E+C1	1.283E+C1	5.043E+00	3.791E+01	2.400E+01
8.600E+C1	6.127E-02	7.285E+C2	9.930E+C1	1.303E+C1	5.104E+00	3.829E+01	2.410E+01
8.700E+C1	6.830E-02	7.475E+C2	1.003E+C2	1.323E+C1	5.165E+00	3.867E+01	2.420E+01
8.800E+C1	7.533E-02	7.665E+C2	1.023E+C2	1.343E+C1	5.226E+00	3.905E+01	2.430E+01
8.900E+C1	8.236E-02	7.855E+C2	1.043E+C2	1.363E+C1	5.287E+00	3.943E+01	2.440E+01
9.000E+C1	8.939E-02	8.045E+C2	1.063E+C2	1.383E+C1	5.348E+00	3.981E+01	2.450E+01
9.100E+C1	9.642E-02	8.235E+C2	1.083E+C2	1.403E+C1	5.409E+00	4.019E+01	2.460E+01
9.200E+C1	1.034E-02	8.425E+C2	1.103E+C2	1.423E+C1	5.470E+00	4.057E+01	2.470E+01
9.300E+C1	1.105E-02	8.615E+C2	1.123E+C2	1.443E+C1	5.531E+00	4.095E+01	2.480E+01
9.400E+C1	1.175E-02	8.805E+C2	1.143E+C2	1.463E+C1	5.592E+00	4.133E+01	2.490E+01
9.500E+C1	1.246E-02	9.005E+C2	1.163E+C2	1.483E+C1	5.653E+00	4.171E+01	2.500E+01
9.600E+C1	1.317E-02	9.195E+C2	1.183E+C2	1.503E+C1	5.714E+00	4.209E+01	2.510E+01
9.700E+C1	1.387E-02	9.385E+C2	1.203E+C2	1.523E+C1	5.775E+00	4.247E+01	2.520E+01
9.800E+C1	1.458E-02	9.575E+C2	1.223E+C2	1.543E+C1	5.836E+00	4.285E+01	2.530E+01
9.900E+C1	1.529E-02	9.765E+C2	1.243E+C2	1.563E+C1	5.897E+00	4.323E+01	2.540E+01
1.000E+C2	1.600E-02	9.955E+C2	1.263E+C2	1.583E+C1	5.958E+00	4.361E+01	2.550E+01
1.010E+C2	1.671E-02	1.014E+C2	1.283E+C2	1.603E+C1	6.019E+00	4.400E+01	2.560E+01
1.020E+C2	1.742E-02	1.045E+C2	1.303E+C2	1.623E+C1	6.079E+00	4.438E+01	2.570E+01
1.030E+C2	1.813E-02	1.075E+C2	1.323E+C2	1.643E+C1	6.139E+00	4.476E+01	2.580E+01
1.040E+C2	1.884E-02	1.106E+C2	1.343E+C2	1.663E+C1	6.199E+00	4.514E+01	2.590E+01
1.050E+C2	1.955E-02	1.137E+C2	1.363E+C2	1.683E+C1	6.259E+00	4.552E+01	2.600E+01
1.060E+C2	2.026E-02	1.168E+C2	1.383E+C2	1.703E+C1	6.319E+00	4.589E+01	2.610E+01
1.070E+C2	2.097E-02	1.200E+C2	1.403E+C2	1.723E+C1	6.379E+00	4.627E+01	2.620E+01
1.080E+C2	2.168E-02	1.231E+C2	1.423E+C2	1.743E+C1	6.439E+00	4.665E+01	2.630E+01
1.090E+C2	2.239E-02	1.262E+C2	1.443E+C2	1.763E+C1	6.499E+00	4.703E+01	2.640E+01
1.100E+C2	2.310E-02	1.2					

TABLE I. - Continued

T	$\kappa_{\text{TO}}/\kappa_{\text{RTD}}$	n/eV	S/R	A/AO	Z	CP/R	CV/R	GAMMA
3.500E+06	4.594E-02	3.058E+03	1.472E+02	2.823E+01	8.072E+00	5.051E+01	3.668E+01	1.327E+00
3.600E+06	4.423E-02	3.064E+03	1.487E+02	2.849E+01	8.151E+00	5.338E+01	3.892E+01	1.320E+00
3.700E+06	4.260E-02	4.118E+03	1.502E+02	2.921E+01	8.233E+00	5.530E+01	4.034E+01	1.317E+00
3.800E+06	4.106E-02	4.250E+03	1.517E+02	2.976E+01	8.317E+00	5.604E+01	4.085E+01	1.319E+00
3.900E+06	3.962E-02	4.393E+03	1.531E+02	3.034E+01	8.398E+00	5.599E+01	4.039E+01	1.324E+00
4.000E+06	3.828E-02	4.535E+03	1.545E+02	3.098E+01	8.474E+00	5.414E+01	3.914E+01	1.332E+00
4.100E+06	3.703E-02	4.660E+03	1.558E+02	3.162E+01	8.546E+00	5.203E+01	3.743E+01	1.342E+00
4.200E+06	3.587E-02	4.785E+03	1.570E+02	3.226E+01	8.614E+00	4.962E+01	3.546E+01	1.353E+00
4.300E+06	3.500E-02	4.905E+03	1.582E+02	3.289E+01	8.672E+00	4.725E+01	3.359E+01	1.365E+00
4.400E+06	3.381E-02	5.018E+03	1.592E+02	3.350E+01	8.724E+00	4.518E+01	3.196E+01	1.375E+00
4.500E+06	3.280E-02	5.120E+03	1.602E+02	3.406E+01	8.771E+00	4.340E+01	3.073E+01	1.383E+00
4.600E+06	3.201E-02	5.234E+03	1.612E+02	3.458E+01	8.813E+00	4.243E+01	3.002E+01	1.387E+00
4.700E+06	3.119E-02	5.339E+03	1.621E+02	3.502E+01	8.852E+00	4.233E+01	2.985E+01	1.372E+00
4.800E+06	3.042E-02	5.443E+03	1.630E+02	3.541E+01	8.889E+00	4.272E+01	3.025E+01	1.383E+00
4.900E+06	2.967E-02	5.550E+03	1.639E+02	3.575E+01	8.925E+00	4.378E+01	3.119E+01	1.374E+00
5.000E+06	2.896E-02	5.660E+03	1.648E+02	3.604E+01	8.962E+00	4.545E+01	3.264E+01	1.364E+00

 $P/PD = 3.40E+01$

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	2.189E+01	-2.659E+00	2.545E+01	1.202E+00	1.260E+00	2.363E+01	1.790E+01	1.190E+00
6.000E+02	1.430E+01	4.109E+01	3.046E+01	1.578E+00	1.637E+00	2.750E+01	2.025E+01	1.215E+00
7.000E+02	1.062E+01	9.722E+00	3.356E+01	1.870E+00	1.855E+00	1.702E+01	1.265E+01	1.227E+00
8.000E+02	8.046E+00	1.296E+01	3.574E+01	2.094E+00	1.948E+00	1.052E+01	1.759E+00	1.324E+00
9.000E+02	6.742E+00	1.520E+01	3.664E+01	2.264E+00	1.974E+00	8.643E+00	1.185E+00	1.359E+00
1.000E+03	6.929E+00	1.726E+01	3.749E+01	2.400E+00	1.990E+00	7.859E+00	5.714E+00	1.362E+00
1.100E+03	6.284E+00	1.917E+01	3.843E+01	2.519E+00	1.995E+00	7.762E+00	5.645E+00	1.314E+00
1.200E+03	5.754E+00	2.107E+01	3.910E+01	2.628E+00	1.997E+00	7.695E+00	5.665E+00	1.359E+00
1.300E+03	5.373E+00	2.251E+01	3.972E+01	2.731E+00	1.998E+00	7.746E+00	5.724E+00	1.351E+00
1.400E+03	4.928E+00	2.490E+01	4.030E+01	2.829E+00	1.999E+00	7.818E+00	5.807E+00	1.356E+00
1.500E+03	4.555E+00	2.665E+01	4.085E+01	2.923E+00	1.999E+00	7.898E+00	5.891E+00	1.346E+00
1.600E+03	4.311E+00	2.881E+01	4.134E+01	3.013E+00	1.999E+00	7.982E+00	5.977E+00	1.335E+00
1.700E+03	4.057E+00	3.080E+01	4.185E+01	3.100E+00	1.999E+00	8.067E+00	6.063E+00	1.330E+00
1.800E+03	3.831E+00	3.280E+01	4.231E+01	3.169E+00	2.000E+00	8.155E+00	6.151E+00	1.328E+00
1.900E+03	3.629E+00	3.483E+01	4.276E+01	3.266E+00	2.000E+00	8.250E+00	6.245E+00	1.321E+00
2.000E+03	3.447E+00	3.685E+01	4.331E+01	3.365E+00	2.000E+00	8.358E+00	6.350E+00	1.311E+00
2.100E+03	3.283E+00	3.858E+01	4.386E+01	3.421E+00	2.010E+00	8.447E+00	6.474E+00	1.311E+00
2.200E+03	3.133E+00	4.110E+01	4.440E+01	3.494E+00	2.011E+00	8.548E+00	6.624E+00	1.315E+00
2.300E+03	2.990E+00	4.327E+01	4.494E+01	3.549E+00	2.011E+00	8.648E+00	6.815E+00	1.298E+00
2.400E+03	2.870E+00	4.550E+01	4.570E+01	3.631E+00	2.002E+00	9.111E+00	7.055E+00	1.291E+00
2.500E+03	2.753E+00	4.780E+01	4.614E+01	3.695E+00	2.004E+00	9.443E+00	7.359E+00	1.282E+00
2.600E+03	2.644E+00	5.019E+01	4.659E+01	3.754E+00	2.006E+00	9.681E+00	7.730E+00	1.273E+00
2.700E+03	2.543E+00	5.270E+01	4.703E+01	3.815E+00	2.006E+00	1.030E+01	8.202E+00	1.263E+00
2.800E+03	2.446E+00	5.533E+01	4.632E+01	3.873E+00	2.012E+00	1.112E+01	8.786E+00	1.251E+00
2.900E+03	2.357E+00	5.818E+01	4.672E+01	3.933E+00	2.017E+00	1.179E+01	9.445E+00	1.243E+00
3.000E+03	2.272E+00	6.122E+01	4.714E+01	3.989E+00	2.023E+00	1.270E+01	1.024E+01	1.233E+00
3.100E+03	2.192E+00	6.450E+01	4.759E+01	4.068E+00	2.031E+00	1.337E+01	1.116E+01	1.224E+00
3.200E+03	2.111E+00	6.807E+01	4.804E+01	4.109E+00	2.041E+00	1.301E+01	1.222E+01	1.216E+00
3.300E+03	2.035E+00	7.194E+01	4.853E+01	4.174E+00	2.054E+00	1.346E+01	1.305E+01	1.209E+00
3.400E+03	1.960E+00	7.622E+01	4.906E+01	4.242E+00	2.066E+00	1.380E+01	1.394E+01	1.209E+00
3.500E+03	1.888E+00	8.090E+01	4.959E+01	4.313E+00	2.076E+00	1.421E+01	1.472E+01	1.208E+00
3.600E+03	1.817E+00	8.602E+01	5.010E+01	4.394E+00	2.086E+00	1.464E+01	1.570E+01	1.196E+00
3.700E+03	1.750E+00	9.164E+01	5.081E+01	4.470E+00	2.132E+00	1.514E+01	1.670E+01	1.186E+00
3.800E+03	1.675E+00	9.779E+01	5.147E+01	4.557E+00	2.161E+00	1.596E+01	1.769E+01	1.176E+00
3.900E+03	1.612E+00	1.045E+02	5.218E+01	4.649E+00	2.194E+00	1.648E+01	1.862E+01	1.166E+00
4.000E+03	1.546E+00	1.116E+02	5.293E+01	4.747E+00	2.230E+00	1.704E+01	1.959E+01	1.156E+00
4.100E+03	1.481E+00	1.187E+02	5.372E+01	4.840E+00	2.270E+00	1.751E+01	2.054E+01	1.148E+00
4.200E+03	1.420E+00	1.261E+02	5.455E+01	4.936E+00	2.315E+00	1.805E+01	2.153E+01	1.140E+00
4.300E+03	1.357E+00	1.337E+02	5.534E+01	5.027E+00	2.363E+00	1.870E+01	2.252E+01	1.132E+00
4.400E+03	1.297E+00	1.410E+02	5.613E+01	5.119E+00	2.417E+00	1.937E+01	2.350E+01	1.124E+00
4.500E+03	1.239E+00	1.489E+02	5.692E+01	5.212E+00	2.473E+00	2.008E+01	2.448E+01	1.116E+00
4.600E+03	1.186E+00	1.567E+02	5.761E+01	5.304E+00	2.522E+00	2.080E+01	2.546E+01	1.108E+00
4.700E+03	1.131E+00	1.642E+02	5.821E+01	5.395E+00	2.569E+00	2.152E+01	2.644E+01	1.099E+00
4.800E+03	1.086E+00	1.717E+02	5.884E+01	5.487E+00	2.610E+00	2.220E+01	2.742E+01	1.090E+00
4.900E+03	1.043E+00	1.792E+02	5.947E+01	5.578E+00	2.656E+00	2.287E+01	2.839E+01	1.081E+00
5.000E+03	9.908E+00	1.867E+02	6.010E+01	5.660E+00	2.720E+00	2.353E+01	2.936E+01	1.072E+00
5.200E+03	9.123E+00	2.132E+02	6.370E+01	6.279E+00	2.907E+00	2.715E+01	3.032E+01	1.047E+00
5.400E+03	8.456E+00	2.552E+02	6.532E+01	6.552E+00	3.021E+00	3.126E+01	3.134E+01	1.027E+00
5.600E+03	7.889E+00	2.767E+02	6.675E+01	6.618E+00	3.121E+00	3.522E+01	3.230E+01	1.008E+00
5.800E+03	7.412E+00	2.924E+02	6.801E+01	7.057E+00	3.207E+00	3.775E+01	3.324E+01	9.898E+00
6.000E+03	7.006E+00	3.089E+02	6.912E+01	7.281E+00	3.285E+00	3.940E+01	3.423E+01	9.798E+00
6.200E+03	6.636E+00	3.207E+02	7.010E+01	7.403E+00	3.361E+00	4.093E+01	3.529E+01	9.698E+00
6.400E+03	6.309E+00	3.375E+02	7.102E+01	7.565E+00	3.439E+00	4.201E+01	3.627E+01	9.598E+00
6.600E+03	6.074E+00	3.537E+02	7.187E+01	7.628E+00	3.493E+00	4.315E+01	3.726E+01	9.498E+00
6.800E+03	5.825E+00	3.666E+02	7.265E+01	7.797E+00	3.541E+00	4.468E+01	3.827E+01	9.398E+00
7.000E+03	5.595E+00	3.766E+02	7.350E+01	8.122E+00	3.592E+00	4.621E+01	3.923E+01	9.298E+00
7.200E+03	5.381E+00	3.826E+02	7.431E+01	8.260E+00	3.637E+00	4.774E+01	4.013E+01	9.198E+00
7.400E+03	5.140E+00	3.872E+02	7.512E+01	8.406E+00	3.695E+00	4.923E+01	4.104E+01	9.098E+00
7.600E+03	4.990E+00	4.224E+02	7.595E+01	8.557E+00	3.838E+00	5.074E+01	4.205E+01	9.008E+00
7.800E+03	4.811E+00	4.379E+02	7.670E+01	8.712E+00	3.878E+00	5.194E+01	4.295E+01	8.918E+00
8.000E+03	4.643E+00	4.537E+02	7.757E+01	8.870E+00	3.912E+00	5.312E+01	4.385E+01	8.828E+00
8.200E+03	4.495E+00	4.695E+02	7.836E+01	9.024E+00	3.973E+00	5.424E+01	4.475E+01	8.738E+00
8.400E+03	4.336E+00	4.850E+02	7.912E+01	9.186E+00	4.028E+00	5.534E+01	4.565E+01	8.648E+00
8.600E+03	4.198E+00	5.011E+02	7.988E+01	9.340E+00	4.084E+00	5.644E+01	4.655E+01	8.558E+00
8.800E+03	4.071E+00	5.174E+02	8.064E+01	9.491E+00	4.145E+00	5.754E+01</		

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
9.000E+03	3.952E-01	5.279E+02	8.112E+01	9.769E+00	3.876E+00	2.667E+01	2.010E+01	1.287E+00
9.200E+03	3.843E-01	5.405E+02	8.168E+01	9.859E+00	3.900E+00	2.468E+01	1.859E+01	1.300E+00
9.400E+03	3.741E-01	5.522E+02	8.220E+01	1.015E+01	3.921E+00	2.308E+01	1.710E+01	1.314E+00
9.600E+03	3.647E-01	5.632E+02	8.276E+01	1.023E+01	3.939E+00	2.152E+01	1.595E+01	1.328E+00
9.800E+03	3.559E-01	5.735E+02	8.310E+01	1.051E+01	3.954E+00	2.034E+01	1.495E+01	1.341E+00
1.000E+04	3.470E-01	5.833E+02	8.350E+01	1.067E+01	3.967E+00	1.942E+01	1.419E+01	1.351E+00
1.100E+04	3.121E-01	6.289E+02	8.526E+01	1.130E+01	4.016E+00	1.846E+01	1.346E+01	1.359E+00
1.200E+04	2.827E-01	6.777E+02	8.697E+01	1.171E+01	4.064E+00	2.145E+01	1.463E+01	1.373E+00
1.300E+04	2.566E-01	7.247E+02	8.869E+01	1.211E+01	4.130E+00	2.498E+01	2.063E+01	1.205E+00
1.400E+04	2.330E-01	8.122E+02	9.116E+01	1.257E+01	4.224E+00	3.466E+01	2.644E+01	1.254E+00
1.500E+04	2.108E-01	9.091E+02	9.387E+01	1.312E+01	4.301E+00	4.626E+01	3.631E+01	1.238E+00
1.600E+04	1.887E-01	1.032E+03	9.707E+01	1.377E+01	4.393E+00	5.534E+01	4.257E+01	1.227E+00
1.700E+04	1.695E-01	1.182E+03	1.008E+02	1.452E+01	4.774E+00	6.699E+01	5.083E+01	1.222E+00
1.800E+04	1.516E-01	1.361E+03	1.149E+02	1.537E+01	5.052E+00	7.703E+01	5.810E+01	1.222E+00
1.900E+04	1.351E-01	1.564E+03	1.199E+02	1.630E+01	5.370E+00	8.620E+01	6.327E+01	1.225E+00
2.000E+04	1.207E-01	1.783E+03	1.139E+02	1.730E+01	5.712E+00	9.068E+01	6.546E+01	1.233E+00
2.100E+04	1.084E-01	2.006E+03	1.183E+02	1.834E+01	6.058E+00	9.932E+01	6.434E+01	1.244E+00
2.200E+04	9.610E-02	2.222E+03	1.224E+02	1.939E+01	6.365E+00	1.047E+01	6.032E+01	1.239E+00
2.300E+04	8.978E-02	2.422E+03	1.260E+02	2.042E+01	6.709E+00	7.704E+01	5.637E+01	1.277E+00
2.400E+04	8.296E-02	2.601E+03	1.291E+02	2.144E+01	6.930E+00	8.799E+01	6.764E+01	1.300E+00
2.500E+04	7.727E-02	2.759E+03	1.317E+02	2.241E+01	7.138E+00	9.924E+01	6.125E+01	1.324E+00
2.600E+04	7.260E-02	2.949E+03	1.339E+02	2.335E+01	7.305E+00	9.173E+01	5.574E+01	1.350E+00
2.700E+04	6.885E-02	3.101E+03	1.357E+02	2.422E+01	7.439E+00	9.587E+01	5.145E+01	1.374E+00
2.800E+04	6.525E-02	3.122E+03	1.373E+02	2.501E+01	7.597E+00	9.174E+01	5.047E+01	1.393E+00
2.900E+04	6.227E-02	3.221E+03	1.387E+02	2.596E+01	7.636E+00	9.248E+01	5.670E+01	1.402E+00
3.000E+04	5.960E-02	3.316E+03	1.400E+02	2.626E+01	7.711E+00	9.837E+01	6.229E+01	1.402E+00
3.100E+04	5.717E-02	3.411E+03	1.413E+02	2.672E+01	7.780E+00	9.886E+01	6.764E+01	1.392E+00
3.200E+04	5.493E-02	3.509E+03	1.425E+02	2.710E+01	7.845E+00	9.058E+01	7.286E+01	1.376E+00
3.300E+04	5.282E-02	3.612E+03	1.438E+02	2.767E+01	7.911E+00	9.325E+01	7.073E+01	1.359E+00
3.400E+04	5.082E-02	3.723E+03	1.452E+02	2.792E+01	7.980E+00	9.630E+01	7.342E+01	1.342E+00
3.500E+04	4.892E-02	3.842E+03	1.466E+02	2.823E+01	8.054E+00	9.904E+01	7.611E+01	1.330E+00
3.600E+04	4.710E-02	3.968E+03	1.482E+02	2.860E+01	8.132E+00	9.277E+01	7.841E+01	1.322E+00
3.700E+04	4.537E-02	4.101E+03	1.495E+02	2.914E+01	8.213E+00	9.644E+01	8.997E+01	1.318E+00
3.800E+04	4.371E-02	4.239E+03	1.510E+02	2.973E+01	8.296E+00	9.578E+01	9.062E+01	1.314E+00
3.900E+04	4.220E-02	4.379E+03	1.525E+02	3.032E+01	8.378E+00	9.555E+01	9.034E+01	1.321E+00
4.000E+04	4.077E-02	4.511E+03	1.538E+02	3.093E+01	8.456E+00	9.431E+01	9.920E+01	1.331E+00
4.100E+04	3.943E-02	4.642E+03	1.551E+02	3.157E+01	8.529E+00	9.235E+01	9.574E+01	1.340E+00
4.200E+04	3.819E-02	4.769E+03	1.564E+02	3.221E+01	8.596E+00	9.303E+01	9.579E+01	1.352E+00
4.300E+04	3.707E-02	4.889E+03	1.575E+02	3.284E+01	8.656E+00	9.769E+01	9.391E+01	1.343E+00
4.400E+04	3.604E-02	5.006E+03	1.586E+02	3.350E+01	8.709E+00	9.588E+01	9.225E+01	1.374E+00
4.500E+04	3.499E-02	5.115E+03	1.596E+02	3.404E+01	8.757E+00	9.392E+01	9.096E+01	1.362E+00
4.600E+04	3.406E-02	5.221E+03	1.605E+02	3.454E+01	8.808E+00	9.288E+01	9.016E+01	1.387E+00
4.700E+04	3.319E-02	5.328E+03	1.614E+02	3.501E+01	8.840E+00	9.239E+01	2.988E+01	1.388E+00
4.800E+04	3.236E-02	5.431E+03	1.623E+02	3.541E+01	8.877E+00	9.242E+01	3.013E+01	1.386E+00
4.900E+04	3.157E-02	5.533E+03	1.632E+02	3.575E+01	8.913E+00	9.351E+01	3.094E+01	1.377E+00
5.000E+04	3.081E-02	5.644E+03	1.641E+02	3.606E+01	8.951E+00	9.452E+01	3.225E+01	1.367E+00

P/PC = 3.60E+01

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	2.339E+01	-2.703E+00	2.530E+01	1.255E+00	1.253E+00	2.299E+01	1.765E+01	1.190E+00
6.000E+02	1.924E+01	3.426E+00	1.572E+00	1.996E+00	2.793E+01	2.053E+01	1.214E+00	
7.000E+02	1.120E+01	9.354E+00	3.379E+01	1.465E+00	1.049E+00	1.736E+01	1.289E+01	1.209E+00
8.000E+02	9.300E+00	1.292E+01	3.560E+01	2.091E+00	1.966E+00	1.069E+01	7.881E+00	1.322E+00
9.000E+02	8.204E+00	1.524E+01	3.671E+01	2.428E+00	1.976E+00	8.527E+00	6.233E+00	1.333E+00
1.000E+03	7.339E+00	1.725E+01	3.757E+01	2.606E+00	1.989E+00	7.885E+00	5.761E+00	1.362E+00
1.100E+03	6.659E+00	1.917E+01	3.832E+01	2.719E+00	1.994E+00	7.114E+00	5.654E+00	1.361E+00
1.200E+03	6.046E+00	2.107E+01	3.899E+01	2.828E+00	1.997E+00	7.702E+00	5.235E+00	1.356E+00
1.300E+03	5.621E+00	2.390E+01	3.961E+01	2.731E+00	1.998E+00	7.749E+00	5.730E+00	1.351E+00
1.400E+03	5.210E+00	2.490E+01	4.019E+01	2.829E+00	1.999E+00	7.820E+00	5.800E+00	1.359E+00
1.500E+03	4.669E+00	2.666E+01	4.073E+01	2.928E+00	1.999E+00	7.900E+00	5.992E+00	1.340E+00
1.600E+03	4.354E+00	2.848E+01	4.125E+01	3.018E+00	1.999E+00	7.983E+00	5.977E+00	1.335E+00
1.700E+03	4.059E+00	3.079E+01	4.173E+01	3.100E+00	1.999E+00	8.067E+00	6.063E+00	1.330E+00
1.800E+03	3.806E+00	3.220E+01	4.220E+01	3.185E+00	2.000E+00	8.155E+00	6.150E+00	1.324E+00
1.900E+03	3.638E+00	3.403E+01	4.265E+01	3.266E+00	2.000E+00	8.249E+00	6.244E+00	1.321E+00
2.000E+03	3.505E+00	3.597E+01	4.307E+01	3.345E+00	2.000E+00	8.356E+00	6.340E+00	1.316E+00
2.100E+03	3.408E+00	3.731E+01	4.364E+01	3.421E+00	2.000E+00	8.463E+00	6.470E+00	1.311E+00
2.200E+03	3.317E+00	3.831E+01	4.420E+01	3.494E+00	2.000E+00	8.561E+00	6.619E+00	1.308E+00
2.300E+03	3.232E+00	3.921E+01	4.472E+01	3.560E+00	2.001E+00	8.660E+00	6.805E+00	1.294E+00
2.400E+03	3.153E+00	4.034E+01	4.524E+01	3.631E+00	2.002E+00	8.754E+00	7.034E+00	1.281E+00
2.500E+03	3.075E+00	4.157E+01	4.580E+01	3.695E+00	2.003E+00	8.852E+00	7.335E+00	1.268E+00
2.600E+03	3.000E+00	4.287E+01	4.643E+01	3.757E+00	2.003E+00	8.945E+00	7.703E+00	1.270E+00
2.700E+03	2.923E+00	4.426E+01	4.708E+01	3.817E+00	2.003E+00	9.038E+00	8.709E+00	1.254E+00
2.800E+03	2.852E+00	4.571E+01	4.772E+01	3.875E+00	2.012E+00	9.135E+00	9.306E+00	1.246E+00
2.900E+03	2.784E+00	4.712E+01	4.836E+01	3.932E+00	2.023E+00	9.232E+00	9.614E+00	1.234E+00
3.000E+03	2.720E+00	4.853E+01	4.897E+01	3.990E+00	2.033E+00	9.329E+00	9.836E+00	1.225E+00
3.100E+03	2.660E+00	5.003E+01	4.958E+01	4.049E+00	2.043E+00	9.426E+00	1.016E+01	1.215E+00
3.200E+03	2.603E+00	5.151E+01	5.064E+01	4.109E+00	2.053E+00	9.523E+00	1.046E+01	1.205E+00
3.300E+03	2.550E+00	5.301E+01	5.171E+01	4.169E+00	2.063E+00	9.621E+00	1.076E+01	1.211E+00
3.400E+03	2.500E+00	5.451E+01	5.278E+01	4.229E+00	2.073E+00	9.718E+00	1.107E+01	1.210E+00

TABLE I. - Continued

T	R-U/R-AD-0	H/RTD	S/H	A/A0	Z	CP/R	CV/R	GAMMA
3.400E+03	2.078E+00	7.596E+01	4.089E+01	4.241E+00	2.067E+00	1.775E+01	1.450E+01	1.264E+00
3.500E+03	2.001E+00	8.057E+01	4.944E+01	4.312E+00	2.086E+00	1.945E+01	1.590E+01	1.195E+00
3.600E+03	1.927E+00	8.561E+01	5.001E+01	4.388E+00	2.105E+00	2.133E+01	1.741E+01	1.195E+00
3.700E+03	1.854E+00	9.116E+01	5.047E+01	4.468E+00	2.129E+00	2.335E+01	1.901E+01	1.193E+00
3.800E+03	1.782E+00	9.718E+01	5.128E+01	4.554E+00	2.156E+00	2.551E+01	2.069E+01	1.191E+00
3.900E+03	1.711E+00	1.038E+02	5.198E+01	4.645E+00	2.188E+00	2.776E+01	2.241E+01	1.190E+00
4.000E+03	1.642E+00	1.108E+02	5.271E+01	4.741E+00	2.223E+00	3.012E+01	2.416E+01	1.189E+00
4.100E+03	1.574E+00	1.187E+02	5.349E+01	4.846E+00	2.263E+00	3.250E+01	2.589E+01	1.190E+00
4.200E+03	1.507E+00	1.270E+02	5.430E+01	4.952E+00	2.307E+00	3.497E+01	2.756E+01	1.191E+00
4.300E+03	1.442E+00	1.359E+02	5.515E+01	5.063E+00	2.354E+00	3.717E+01	2.913E+01	1.192E+00
4.400E+03	1.379E+00	1.453E+02	5.603E+01	5.184E+00	2.406E+00	3.931E+01	3.056E+01	1.193E+00
4.500E+03	1.318E+00	1.553E+02	5.694E+01	5.309E+00	2.461E+00	4.124E+01	3.180E+01	1.197E+00
4.600E+03	1.260E+00	1.659E+02	5.787E+01	5.437E+00	2.519E+00	4.288E+01	3.201E+01	1.200E+00
4.700E+03	1.204E+00	1.764E+02	5.880E+01	5.570E+00	2.579E+00	4.417E+01	3.355E+01	1.204E+00
4.800E+03	1.152E+00	1.874E+02	5.975E+01	5.705E+00	2.641E+00	4.560E+01	3.400E+01	1.208E+00
4.900E+03	1.102E+00	1.984E+02	6.068E+01	5.843E+00	2.704E+00	4.694E+01	3.441E+01	1.212E+00
5.000E+03	1.059E+00	2.098E+02	6.160E+01	5.982E+00	2.767E+00	4.847E+01	3.534E+01	1.217E+00
5.200E+03	9.714E-01	2.319E+02	6.336E+01	6.260E+00	2.890E+00	4.641E+01	3.275E+01	1.227E+00
5.400E+03	8.998E-01	2.530E+02	6.498E+01	6.533E+00	3.005E+00	4.178E+01	3.060E+01	1.237E+00
5.600E+03	8.392E-01	2.726E+02	6.642E+01	6.794E+00	3.107E+00	3.810E+01	4.018E+01	1.240E+00
5.800E+03	7.888E-01	2.905E+02	6.770E+01	7.040E+00	3.194E+00	3.470E+01	2.970E+01	1.245E+00
6.000E+03	7.445E-01	3.068E+02	6.882E+01	7.266E+00	3.268E+00	3.176E+01	2.360E+01	1.246E+00
6.200E+03	7.069E-01	3.218E+02	6.982E+01	7.471E+00	3.331E+00	2.958E+01	2.208E+01	1.271E+00
6.400E+03	6.740E-01	3.360E+02	7.073E+01	7.655E+00	3.385E+00	2.821E+01	2.119E+01	1.273E+00
6.600E+03	6.446E-01	3.497E+02	7.159E+01	7.821E+00	3.431E+00	2.762E+01	2.089E+01	1.276E+00
6.800E+03	6.180E-01	3.633E+02	7.241E+01	7.973E+00	3.474E+00	2.709E+01	2.100E+01	1.266E+00
7.000E+03	5.930E-01	3.771E+02	7.322E+01	8.118E+00	3.514E+00	2.626E+01	2.106E+01	1.240E+00
7.200E+03	5.708E-01	3.912E+02	7.403E+01	8.265E+00	3.553E+00	2.510E+01	2.245E+01	1.235E+00
7.400E+03	5.494E-01	4.057E+02	7.484E+01	8.404E+00	3.591E+00	2.407E+01	2.331E+01	1.231E+00
7.600E+03	5.293E-01	4.208E+02	7.565E+01	8.535E+00	3.629E+00	3.162E+01	2.409E+01	1.244E+00
7.800E+03	5.104E-01	4.363E+02	7.647E+01	8.707E+00	3.667E+00	3.171E+01	2.465E+01	1.247E+00
8.000E+03	4.923E-01	4.520E+02	7.727E+01	8.867E+00	3.706E+00	3.202E+01	2.487E+01	1.244E+00
8.200E+03	4.751E-01	4.677E+02	7.806E+01	9.033E+00	3.763E+00	3.184E+01	2.499E+01	1.251E+00
8.400E+03	4.599E-01	4.833E+02	7.882E+01	9.207E+00	3.779E+00	3.115E+01	2.607E+01	1.254E+00
8.600E+03	4.452E-01	4.944E+02	7.954E+01	9.384E+00	3.813E+00	2.999E+01	2.367E+01	1.246E+00
8.800E+03	4.317E-01	5.124E+02	8.021E+01	9.569E+00	3.843E+00	2.867E+01	2.177E+01	1.237E+00
9.000E+03	4.190E-01	5.264E+02	8.093E+01	9.736E+00	3.871E+00	2.732E+01	2.031E+01	1.265E+00
9.200E+03	4.074E-01	5.391E+02	8.160E+01	9.966E+00	3.906E+00	2.495E+01	1.861E+01	1.259E+00
9.400E+03	3.965E-01	5.510E+02	8.152E+01	1.013E+01	3.917E+00	2.227E+01	1.700E+01	1.312E+00
9.600E+03	3.865E-01	5.621E+02	8.239E+01	1.032E+01	3.935E+00	2.170E+01	1.615E+01	1.320E+00
9.800E+03	3.771E-01	5.725E+02	8.283E+01	1.050E+01	3.951E+00	2.156E+01	1.556E+01	1.315E+00
1.000E+04	3.683E-01	5.824E+02	8.322E+01	1.068E+01	3.966E+00	1.958E+01	1.432E+01	1.349E+00
1.100E+04	3.306E-01	6.281E+02	8.506E+01	1.130E+01	4.016E+00	1.840E+01	1.306E+01	1.360E+00
1.200E+04	2.996E-01	6.763E+02	8.670E+01	1.172E+01	4.061E+00	1.622E+01	1.593E+01	1.325E+00
1.300E+04	2.722E-01	7.346E+02	8.860E+01	1.211E+01	4.126E+00	2.037E+01	2.030E+01	1.287E+00
1.400E+04	2.471E-01	7.916E+02	9.058E+01	1.252E+01	4.220E+00	2.307E+01	2.036E+01	1.250E+00
1.500E+04	2.237E-01	8.427E+02	9.264E+01	1.291E+01	4.318E+00	2.341E+01	2.368E+01	1.246E+00
1.600E+04	2.015E-01	8.902E+02	9.462E+01	1.337E+01	4.426E+00	2.324E+01	2.175E+01	1.226E+00
1.700E+04	1.807E-01	9.807E+02	1.003E+02	1.394E+01	4.535E+00	2.173E+01	2.518E+01	1.223E+00
1.800E+04	1.614E-01	1.044E+02	1.042E+02	1.453E+01	5.025E+00	2.105E+01	2.718E+01	1.222E+00
1.900E+04	1.440E-01	1.157E+02	1.087E+02	1.525E+01	5.330E+00	2.047E+01	2.425E+01	1.229E+00
2.000E+04	1.287E-01	1.274E+02	1.132E+02	1.602E+01	5.673E+00	1.959E+01	2.030E+01	1.237E+00
2.100E+04	1.146E-01	1.401E+02	1.187E+02	1.687E+01	6.013E+00	1.852E+01	2.036E+01	1.238E+00
2.200E+04	1.014E-01	1.536E+02	1.242E+02	1.773E+01	6.332E+00	1.711E+01	2.037E+01	1.237E+00
2.300E+04	9.564E-02	1.690E+02	1.297E+02	1.863E+01	6.633E+00	1.573E+01	2.038E+01	1.236E+00
2.400E+04	8.827E-02	1.828E+02	1.354E+02	1.954E+01	6.934E+00	1.433E+01	2.037E+01	1.235E+00
2.500E+04	8.022E-02	1.941E+02	1.413E+02	2.043E+01	7.233E+00	1.293E+01	2.036E+01	1.234E+00
2.600E+04	7.171E-02	2.044E+02	1.472E+02	2.127E+01	7.527E+00	1.153E+01	2.035E+01	1.233E+00
2.700E+04	6.295E-02	2.146E+02	1.531E+02	2.208E+01	7.821E+00	1.013E+01	2.034E+01	1.232E+00
2.800E+04	5.393E-02	2.241E+02	1.591E+02	2.289E+01	8.115E+00	8.713E+00	2.033E+01	1.231E+00
2.900E+04	4.461E-02	2.337E+02	1.651E+02	2.369E+01	8.409E+00	7.305E+00	2.032E+01	1.230E+00
3.000E+04	3.507E-02	2.433E+02	1.711E+02	2.449E+01	8.702E+00	5.897E+00	2.031E+01	1.229E+00
3.100E+04	2.634E-02	2.529E+02	1.771E+02	2.529E+01	9.005E+00	4.489E+00	2.030E+01	1.228E+00
3.200E+04	1.850E-02	2.625E+02	1.831E+02	2.609E+01	9.308E+00	3.081E+00	2.029E+01	1.227E+00
3.300E+04	1.165E-02	2.721E+02	1.891E+02	2.689E+01	9.611E+00	1.673E+00	2.028E+01	1.226E+00
3.400E+04	5.828E-03	2.818E+02	1.951E+02	2.769E+01	9.914E+00	1.265E+00	2.027E+01	1.225E+00
3.500E+04	3.711E-02	2.915E+02	2.011E+02	2.849E+01	1.021E+01	8.533E+00	2.026E+01	1.224E+00
3.600E+04	2.611E-02	3.011E+02	2.071E+02	2.929E+01	1.081E+01	4.033E+00	2.025E+01	1.223E+00
3.700E+04	1.605E-02	3.107E+02	2.130E+02	3.009E+01	1.141E+01	3.033E+00	2.024E+01	1.222E+00
3.800E+04	6.607E-02	3.194E+02	2.189E+02	3.089E+01	1.201E+01	2.033E+00	2.023E+01	1.221E+00
3.900E+04	3.200E-02	3.280E+02	2.248E+02	3.169E+01	1.261E+01	1.032E+01	2.022E+01	1.220E+00
4.000E+04	1.808E-02	3.366E+02	2.307E+02	3.248E+01	1.321E+01	8.333E+00	2.021E+01	1.219E+00
4.100E+04	1.406E-02	3.452E+02	2.366E+02	3.327E+01	1.381E+01	6.343E+00	2.020E+01	1.218E+00
4.200E+04	1.004E-02	3.538E+02	2.425E+02	3.406E+01	1.441E+01	4.353E+00	2.019E+01	1.217E+00
4.300E+04	6.392E-02	3.624E+02	2.484E+02	3.485E+01	1.501E+01	2.363E+00	2.018E+01	1.216E+00
4.400E+04	5.193E-02	3.711E+02	2.543E+02	3.564E+01	1.561E+01	1.373E+00	2.017E+01	1.215E+00
4.500E+04	3.919E-02	3.808E+02	2.602E+02	3.643E+01	1.621E+01	2.383E+00	2.016E+01	1.214E+00
4.600E+04	2.690E+00	3.905E+02	2.661E+02	3.722E+01	1.681E+01	3.394E+00	2.015E+01	1.213E+00
4.700E+04	1.500E+00	4.002E+02	2.719E+02	3.801E+01	1.741E+01	4.395E+00	2.014E+01	1.212E+00
4.800E+04	6.607E+00	4.098E+02	2.778E+02	3.879E+01	1.801E+01	5.396E+00	2.013E+01	1.211E+00
4.900E+04	3.400E+00	4.195E+02	2.837E+02	3.958E+01	1.861E+01	6.397E+00	2.012E+01	1.210E+00
5.000E+04	1.300E+00	4.292E+02	2.896E+02	4.037E+01	1.921E+01	7.398E+00	2.011E+01	1.209E+00
5.100E+04	5.319E+00	5.389E+02	2.955E+02	4.116E+01	1.981E+01	8.399E+00	2.010E+01	1.208E+00
5.200E+04	2.619E+00	5.486E+02	3.014E+02	4.195E+01	2.041E+01	9.399E+00	2.009E+01	1.207E+00
5.300E+04	1.041E+0							

TABLE I.- Continued

P/PD = 3.00E+01

T	RHO/RHO-0	H/RTQ	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	2.472E+01	-4.059E+00	2.515E+01	1.256E+00	1.277E+00	2.259E+01	1.730E+01	1.151E+00
6.000E+02	1.620E+01	3.773E+00	3.004E+01	1.567E+00	1.586E+00	2.794E+01	2.052E+01	1.214E+00
7.000E+02	1.190E+01	9.488E+00	3.363E+01	1.861E+00	1.882E+00	1.767E+01	1.812E+01	1.243E+00
8.000E+02	9.915E+00	1.287E+01	3.256E+01	2.052E+00	1.943E+00	1.058E+01	8.001E+00	1.228E+00
9.000E+02	6.744E+00	1.921E+01	3.080E+01	2.261E+00	1.970E+00	8.590E+00	6.281E+00	1.347E+00
1.000E+03	7.749E+00	1.724E+01	3.746E+01	2.399E+00	1.999E+00	7.912E+00	5.780E+00	1.361E+00
1.100E+03	7.026E+00	1.916E+01	3.421E+01	2.518E+00	1.994E+00	7.720E+00	5.662E+00	1.360E+00
1.200E+03	6.933E+00	2.107E+01	3.886E+01	2.628E+00	1.996E+00	7.704E+00	5.674E+00	1.356E+00
1.300E+03	5.936E+00	2.297E+01	3.930E+01	2.731E+00	1.998E+00	7.753E+00	5.723E+00	1.351E+00
1.400E+03	5.908E+00	2.905E+01	4.008E+01	2.829E+00	1.998E+00	7.822E+00	5.813E+00	1.345E+00
1.500E+03	5.140E+00	2.084E+01	4.642E+01	2.922E+00	1.999E+00	7.901E+00	5.993E+00	1.360E+00
1.600E+03	4.818E+00	2.881E+01	4.111E+01	3.013E+00	1.999E+00	7.983E+00	4.277E+00	1.335E+00
1.700E+03	4.534E+00	3.079E+01	4.163E+01	3.106E+00	1.999E+00	8.047E+00	6.063E+00	1.330E+00
1.800E+03	4.282E+00	3.260E+01	4.209E+01	3.195E+00	2.000E+00	8.154E+00	6.150E+00	1.326E+00
1.900E+03	4.058E+00	3.438E+01	4.254E+01	3.266E+00	2.000E+00	8.246E+00	6.243E+00	1.314E+00
2.000E+03	3.853E+00	3.689E+01	4.297E+01	3.345E+00	2.000E+00	8.354E+00	6.346E+00	1.316E+00
2.100E+03	3.669E+00	3.897E+01	4.338E+01	3.421E+00	2.000E+00	8.459E+00	6.446E+00	1.311E+00
2.200E+03	3.502E+00	4.109E+01	4.370E+01	3.494E+00	2.001E+00	8.633E+00	6.543E+00	1.305E+00
2.300E+03	3.368E+00	4.326E+01	4.417E+01	3.565E+00	2.001E+00	8.829E+00	6.755E+00	1.299E+00
2.400E+03	3.207E+00	4.548E+01	4.459E+01	3.632E+00	2.002E+00	9.078E+00	7.025E+00	1.291E+00
2.500E+03	3.077E+00	4.777E+01	4.493E+01	3.696E+00	2.003E+00	9.349E+00	7.313E+00	1.283E+00
2.600E+03	2.956E+00	5.019E+01	4.531E+01	3.759E+00	2.005E+00	9.792E+00	7.673E+00	1.274E+00
2.700E+03	2.844E+00	5.246E+01	4.570E+01	3.818E+00	2.006E+00	1.029E+01	8.114E+00	1.265E+00
2.800E+03	2.736E+00	5.527E+01	4.608E+01	3.876E+00	2.011E+00	1.089E+01	8.694E+00	1.256E+00
2.900E+03	2.636E+00	5.806E+01	4.648E+01	3.933E+00	2.016E+00	1.142E+01	9.297E+00	1.245E+00
3.000E+03	2.561E+00	6.089E+01	4.699E+01	3.991E+00	2.022E+00	1.204E+01	1.005E+01	1.235E+00
3.100E+03	2.469E+00	6.427E+01	4.732E+01	4.050E+00	2.030E+00	1.350E+01	1.093E+01	1.227E+00
3.200E+03	2.362E+00	6.776E+01	4.777E+01	4.111E+00	2.039E+00	1.448E+01	1.193E+01	1.218E+00
3.300E+03	2.277E+00	7.156E+01	4.825E+01	4.175E+00	2.051E+00	1.601E+01	1.306E+01	1.211E+00
3.400E+03	2.195E+00	7.572E+01	4.873E+01	4.241E+00	2.065E+00	1.751E+01	1.305E+01	1.205E+00
3.500E+03	2.115E+00	8.026E+01	4.929E+01	4.312E+00	2.082E+00	1.910E+01	1.307E+01	1.202E+00
3.600E+03	2.037E+00	8.523E+01	4.986E+01	4.387E+00	2.102E+00	2.100E+01	1.312E+01	1.198E+00
3.700E+03	1.960E+00	9.088E+01	5.046E+01	4.466E+00	2.122E+00	2.298E+01	1.317E+01	1.193E+00
3.800E+03	1.886E+00	9.642E+01	5.111E+01	4.531E+00	2.152E+00	2.509E+01	2.033E+01	1.191E+00
3.900E+03	1.810E+00	1.031E+02	5.179E+01	4.601E+00	2.183E+00	2.731E+01	2.204E+01	1.190E+00
4.000E+03	1.737E+00	1.101E+02	5.251E+01	4.733E+00	2.218E+00	2.961E+01	2.374E+01	1.186E+00
4.100E+03	1.666E+00	1.177E+02	5.326E+01	4.830E+00	2.256E+00	3.195E+01	2.506E+01	1.180E+00
4.200E+03	1.598E+00	1.259E+02	5.400E+01	4.944E+00	2.299E+00	3.420E+01	2.711E+01	1.171E+00
4.300E+03	1.528E+00	1.337E+02	5.491E+01	5.057E+00	2.340E+00	3.546E+01	2.866E+01	1.163E+00
4.400E+03	1.464E+00	1.410E+02	5.578E+01	5.170E+00	2.390E+00	3.668E+01	3.011E+01	1.155E+00
4.500E+03	1.395E+00	1.492E+02	5.667E+01	5.297E+00	2.450E+00	4.036E+01	3.136E+01	1.147E+00
4.600E+03	1.336E+00	1.584E+02	5.752E+01	5.426E+00	2.507E+00	4.230E+01	3.240E+01	1.250E+00
4.700E+03	1.278E+00	1.674E+02	5.851E+01	5.554E+00	2.566E+00	4.365E+01	3.316E+01	1.246E+00
4.800E+03	1.222E+00	1.765E+02	5.944E+01	5.690E+00	2.627E+00	4.500E+01	3.406E+01	1.240E+00
4.900E+03	1.169E+00	1.856E+02	6.037E+01	5.827E+00	2.690E+00	4.631E+01	3.496E+01	1.234E+00
5.000E+03	1.120E+00	1.947E+02	6.124E+01	5.965E+00	2.752E+00	4.752E+01	3.582E+01	1.226E+00
5.200E+03	1.031E+00	2.297E+02	6.304E+01	6.242E+00	2.875E+00	6.101E+01	3.273E+01	1.222E+00
5.400E+03	9.546E+00	3.237E+02	6.466E+01	6.515E+00	2.990E+00	6.104E+01	3.079E+01	1.217E+00
5.600E+03	8.899E+00	4.277E+02	6.611E+01	6.777E+00	3.092E+00	3.900E+01	4.032E+01	1.208E+00
5.800E+03	8.351E+00	5.316E+02	6.760E+01	7.023E+00	3.182E+00	3.506E+01	2.394E+01	1.258E+00
6.000E+03	7.865E+00	6.351E+02	6.905E+01	7.252E+00	3.275E+00	3.211E+01	2.303E+01	1.266E+00
6.200E+03	7.403E+00	7.385E+02	7.054E+01	7.459E+00	3.321E+00	2.907E+01	4.226E+01	1.211E+00
6.400E+03	6.997E+00	8.133E+02	7.193E+01	7.659E+00	3.374E+00	2.642E+01	2.131E+01	1.223E+00
6.600E+03	6.620E+00	8.868E+02	7.312E+01	7.814E+00	3.424E+00	2.373E+01	2.044E+01	1.217E+00
6.800E+03	6.302E+00	9.505E+02	7.415E+01	8.000E+00	3.475E+00	2.178E+01	1.978E+01	1.207E+00
7.000E+03	6.027E+00	1.014E+03	7.508E+01	8.114E+00	3.507E+00	2.018E+01	1.931E+01	1.201E+00
7.200E+03	5.806E+00	1.080E+03	7.601E+01	8.230E+00	3.546E+00	1.902E+01	1.894E+01	1.197E+00
7.400E+03	5.610E+00	1.146E+03	7.694E+01	8.348E+00	3.585E+00	1.873E+01	1.857E+01	1.193E+00
7.600E+03	5.439E+00	1.212E+03	7.787E+01	8.460E+00	3.625E+00	1.844E+01	1.820E+01	1.189E+00
7.800E+03	5.284E+00	1.278E+03	7.870E+01	8.568E+00	3.665E+00	1.815E+01	1.783E+01	1.185E+00
8.000E+03	5.140E+00	1.343E+03	7.953E+01	8.670E+00	3.705E+00	1.786E+01	1.746E+01	1.181E+00
8.200E+03	5.006E+00	1.408E+03	8.036E+01	8.772E+00	3.745E+00	1.757E+01	1.708E+01	1.177E+00
8.400E+03	4.883E+00	1.473E+03	8.118E+01	8.875E+00	3.785E+00	1.728E+01	1.671E+01	1.173E+00
8.600E+03	4.765E+00	1.538E+03	8.199E+01	8.978E+00	3.825E+00	1.699E+01	1.634E+01	1.169E+00
8.800E+03	4.650E+00	1.603E+03	8.280E+01	9.081E+00	3.865E+00	1.670E+01	1.600E+01	1.165E+00
9.000E+03	4.540E+00	1.668E+03	8.361E+01	9.184E+00	3.905E+00	1.641E+01	1.569E+01	1.161E+00
9.200E+03	4.435E+00	1.733E+03	8.442E+01	9.287E+00	3.945E+00	1.612E+01	1.538E+01	1.157E+00
9.400E+03	4.330E+00	1.798E+03	8.523E+01	9.390E+00	3.985E+00	1.583E+01	1.507E+01	1.153E+00
9.600E+03	4.225E+00	1.863E+03	8.604E+01	9.493E+00	4.025E+00	1.554E+01	1.476E+01	1.149E+00
9.800E+03	4.120E+00	1.928E+03	8.685E+01	9.596E+00	4.065E+00	1.525E+01	1.445E+01	1.145E+00
1.000E+04	4.015E+00	1.993E+03	8.766E+01	9.699E+00	4.105E+00	1.496E+01	1.414E+01	1.141E+00
1.020E+04	3.910E+00	2.058E+03	8.847E+01	9.802E+00	4.145E+00	1.467E+01	1.383E+01	1.137E+00
1.040E+04	3.805E+00	2.123E+03	8.928E+01	9.905E+00	4.185E+00	1.438E+01	1.352E+01	1.133E+00
1.060E+04	3.700E+00	2.188E+03	9.009E+01	1.0008E+01	4.225E+00	1.409E+01	1.321E+01	1.129E+00
1.080E+04	3.595E+00	2.253E+03	9.090E+01	1.0108E+01	4.265E+00	1.380E+01	1.289E+01	1.125E+00
1.100E+04	3.490E+00	2.318E+03	9.171E+01	1.0208E+01	4.305E+00	1.351E+01	1.258E+01	1.121E+00
1.120E+04	3.385E+00	2.383E+03	9.252E+01	1.0308E+01	4.345E+00	1.322E+01	1.227E+01	1.117E+00
1.140E+04	3.280E+00	2.448E+03	9.333E+01	1.0408E+01	4.385E+00	1.293E+01	1.196E+01	1.113E+00
1.160E+04	3.175E+00	2.513E+03	9.414E+01	1.0508E+01	4.425E+00	1.264E+01	1.165E+01	1.109E+00
1.180E+04	3.070E+00	2.578E+03	9.495E+01	1.0608E+01	4.465E+00	1.235E+01	1.134E+01	1.105E+00
1.200E+04	2.965E+00	2.643E+03	9.576E+01	1.0708E+01	4.505E+00	1.206E+01	1.103E+01	1.101E+00
1.220E+04	2.860E+00	2.708E+03	9.657E+01	1.0808E+01	4.545E+00	1.177E+01	1.072E+01	1.097E+00
1.240E+04	2.755E+00	2.773E+03	9.738E+01	1.0908E+01	4.585E+00	1.148E+01	1.041E+01	1.093E+00
1.260E+04	2.650E+00	2.838E+03	9.820E+01	1.1008E+01	4.625E+00	1.119E+01	1.01	

TABLE I.- Continued

T	RHO/RHO-U	H/LTO	S/R	A/AU	L	CP/R	CV/R	GAMMA
2.100E+04	1.228E-01	1.505E+03	1.146E+02	1.820E+01	5.975E+00	8.911E+01	0.384E+01	1.242E+00
2.200E+04	1.112E-01	2.181E+03	1.209E+02	1.923E+01	6.300E+00	8.513E+01	0.351E+01	1.250E+00
2.300E+04	1.016E-01	2.382E+03	1.246E+02	2.027E+01	6.597E+00	7.811E+01	0.312E+01	1.273E+00
2.400E+04	9.368E-02	2.564E+03	1.277E+02	2.120E+01	6.854E+00	6.956E+01	0.377E+01	1.295E+00
2.500E+04	8.720E-02	2.729E+03	1.304E+02	2.226E+01	7.069E+00	6.997E+01	0.246E+01	1.319E+00
2.600E+04	8.181E-02	2.866E+03	1.326E+02	2.320E+01	7.243E+00	5.339E+01	0.490E+01	1.344E+00
2.700E+04	7.727E-02	2.964E+03	1.345E+02	2.408E+01	7.367E+00	6.729E+01	3.264E+01	1.360E+00
2.800E+04	7.337E-02	3.100E+03	1.361E+02	2.489E+01	7.501E+00	6.250E+01	2.922E+01	1.307E+00
2.900E+04	6.997E-02	3.202E+03	1.376E+02	2.560E+01	7.593E+00	6.018E+01	2.724E+01	1.460E+00
3.200E+04	6.693E-02	3.256E+03	1.389E+02	2.620E+01	7.675E+00	3.870E+01	2.644E+01	1.4C2E+00
3.400E+04	6.188E-02	3.394E+03	1.402E+02	2.698E+01	7.764E+00	3.879E+01	2.673E+01	1.395E+00
3.600E+04	6.104E-02	3.491E+03	1.414E+02	2.709E+01	7.813E+00	4.016E+01	2.797E+01	1.381E+00
3.800E+04	5.927E-02	3.552E+03	1.427E+02	2.746E+01	7.879E+00	4.242E+01	2.998E+01	1.301E+00
3.900E+04	5.703E-02	3.700E+03	1.440E+02	2.783E+01	7.967E+00	4.511E+01	3.246E+01	1.348E+00
3.950E+04	5.491E-02	3.816E+03	1.454E+02	2.822E+01	8.019E+00	4.863E+01	3.508E+01	1.335E+00
3.960E+04	5.298E-02	3.960E+03	1.466E+02	2.868E+01	8.096E+00	5.162E+01	3.744E+01	1.32AE+00
3.700E+04	5.094E-02	4.070E+03	1.482E+02	2.916E+01	8.176E+00	5.311E+01	3.920E+01	1.321E+00
3.800E+04	4.911E-02	4.202E+03	1.497E+02	2.966E+01	8.248E+00	5.520E+01	4.016E+01	1.320E+00
3.900E+04	4.733E-02	4.342E+03	1.511E+02	3.025E+01	8.306E+00	5.537E+01	4.017E+01	1.323E+00
4.000E+04	4.576E-02	4.477E+03	1.525E+02	3.085E+01	8.319E+00	5.491E+01	3.941E+01	1.330E+00
4.100E+04	4.425E-02	4.610E+03	1.538E+02	3.147E+01	8.393E+00	5.236E+01	3.803E+01	1.338E+00
4.200E+04	4.285E-02	4.737E+03	1.551E+02	3.211E+01	8.464E+00	5.073E+01	3.630E+01	1.349E+00
4.300E+04	4.156E-02	4.860E+03	1.563E+02	3.274E+01	8.524E+00	4.846E+01	3.449E+01	1.360E+00
4.400E+04	4.035E-02	4.977E+03	1.576E+02	3.330E+01	8.600E+00	4.633E+01	3.279E+01	1.37CE+00
4.500E+04	3.923E-02	5.088E+03	1.588E+02	3.394E+01	8.730E+00	4.454E+01	3.140E+01	1.379E+00
4.600E+04	3.818E-02	5.197E+03	1.593E+02	3.446E+01	8.775E+00	4.320E+01	3.043E+01	1.384E+00
4.700E+04	3.719E-02	5.202E+03	1.603E+02	3.497E+01	8.817E+00	4.238E+01	2.995E+01	1.388E+00
4.800E+04	3.626E-02	5.402E+03	1.612E+02	3.539E+01	8.855E+00	4.238E+01	2.995E+01	1.388E+00
4.900E+04	3.537E-02	5.513E+03	1.622E+02	3.576E+01	8.892E+00	4.313E+01	3.055E+01	1.381E+00
5.000E+04	3.452E-02	5.629E+03	1.632E+02	3.606E+01	8.929E+00	4.434E+01	3.162E+01	1.372E+00

P/PQ = 4.00E+01

T	RHO/RHO-U	H/LTO	S/R	A/AU	L	CP/R	CV/R	GAMMA
5.000E+02	2.616E-01	-2.494E+00	2.502E+01	1.253E+00	1.241E+00	2.421E+01	1.768E+01	1.151E+00
6.300E+02	1.716E-01	3.617E+00	2.562E+01	1.562E+00	1.279E+00	2.192E+01	2.051E+01	1.214E+00
7.000E+02	1.262E-01	9.385E+00	3.348E+01	1.857E+00	1.383E+00	1.757E+01	1.333E+01	1.262E+00
8.000E+02	1.054E+01	1.038E+01	3.532E+01	2.080E+00	1.496E+00	1.102E+01	8.118E+00	1.318E+00
9.000E+02	9.225E+00	1.151E+01	3.649E+01	2.260E+00	1.472E+00	8.653E+00	8.328E+00	1.351E+00
1.000E+03	8.159E+00	1.273E+01	3.736E+01	2.398E+00	1.464E+00	7.384E+00	9.800E+00	1.361E+00
1.100E+03	7.977E+00	1.316E+01	3.810E+01	2.510E+00	1.499E+00	7.178E+00	9.471E+00	1.360E+00
1.200E+03	6.772E+00	2.106E+01	3.870E+01	2.620E+00	1.494E+00	7.116E+00	9.670E+00	1.350E+00
1.300E+03	6.247E+00	2.297E+01	3.940E+01	2.731E+00	1.499E+00	7.155E+00	9.735E+00	1.351E+00
1.400E+03	5.749E+00	2.490E+01	3.996E+01	2.829E+00	1.494E+00	7.024E+00	9.811E+00	1.345E+00
1.500E+03	5.141E+00	2.684E+01	4.052E+01	2.922E+00	1.499E+00	7.020E+00	9.894E+00	1.340E+00
1.600E+03	5.072E+00	2.881E+01	4.133E+01	2.994E+00	1.494E+00	7.046E+00	9.979E+00	1.335E+00
1.700E+03	4.773E+00	3.079E+01	4.192E+01	3.054E+00	1.489E+00	7.063E+00	1.003E+01	1.330E+00
1.800E+03	4.620E+00	3.280E+01	4.254E+01	3.115E+00	1.484E+00	7.081E+00	1.015E+01	1.320E+00
1.900E+03	4.427E+00	3.484E+01	4.326E+01	3.180E+00	1.479E+00	7.101E+00	1.027E+01	1.321E+00
2.000E+03	4.056E+00	3.684E+01	4.396E+01	3.245E+00	1.474E+00	7.121E+00	1.038E+01	1.316E+00
2.100E+03	3.662E+00	3.897E+01	4.462E+01	3.324E+00	1.469E+00	7.141E+00	1.048E+01	1.311E+00
2.200E+03	3.268E+00	4.109E+01	4.530E+01	3.405E+00	1.464E+00	7.161E+00	1.057E+01	1.307E+00
2.300E+03	3.525E+00	4.403E+01	4.603E+01	3.487E+00	1.459E+00	7.181E+00	1.066E+01	1.299E+00
2.400E+03	3.330E+00	4.597E+01	4.665E+01	3.552E+00	1.454E+00	7.201E+00	1.075E+01	1.292E+00
2.500E+03	3.239E+00	4.798E+01	4.727E+01	3.624E+00	1.449E+00	7.221E+00	1.084E+01	1.285E+00
2.600E+03	3.107E+00	4.998E+01	4.789E+01	3.695E+00	1.444E+00	7.241E+00	1.093E+01	1.278E+00
2.700E+03	3.013E+00	5.198E+01	4.851E+01	3.766E+00	1.439E+00	7.261E+00	1.102E+01	1.271E+00
2.800E+03	2.918E+00	5.398E+01	4.913E+01	3.837E+00	1.434E+00	7.281E+00	1.111E+01	1.265E+00
2.900E+03	2.823E+00	5.598E+01	4.975E+01	3.908E+00	1.429E+00	7.301E+00	1.120E+01	1.258E+00
3.000E+03	2.728E+00	5.798E+01	5.037E+01	3.980E+00	1.424E+00	7.321E+00	1.129E+01	1.251E+00
3.100E+03	2.633E+00	5.998E+01	5.099E+01	4.051E+00	1.419E+00	7.341E+00	1.138E+01	1.244E+00
3.200E+03	2.538E+00	6.198E+01	5.161E+01	4.122E+00	1.414E+00	7.361E+00	1.147E+01	1.237E+00
3.300E+03	2.443E+00	6.398E+01	5.223E+01	4.193E+00	1.409E+00	7.381E+00	1.156E+01	1.230E+00
3.400E+03	2.348E+00	6.598E+01	5.285E+01	4.264E+00	1.404E+00	7.401E+00	1.165E+01	1.223E+00
3.500E+03	2.253E+00	6.798E+01	5.347E+01	4.335E+00	1.400E+00	7.421E+00	1.174E+01	1.216E+00
3.600E+03	2.158E+00	6.998E+01	5.409E+01	4.406E+00	1.395E+00	7.441E+00	1.183E+01	1.209E+00
3.700E+03	2.063E+00	7.198E+01	5.471E+01	4.477E+00	1.390E+00	7.461E+00	1.192E+01	1.202E+00
3.800E+03	1.968E+00	7.398E+01	5.533E+01	4.548E+00	1.385E+00	7.481E+00	1.201E+01	1.195E+00
3.900E+03	1.873E+00	7.598E+01	5.595E+01	4.619E+00	1.380E+00	7.501E+00	1.210E+01	1.188E+00
4.000E+03	1.778E+00	7.798E+01	5.657E+01	4.690E+00	1.375E+00	7.521E+00	1.219E+01	1.181E+00
4.100E+03	1.683E+00	7.998E+01	5.719E+01	4.761E+00	1.370E+00	7.541E+00	1.228E+01	1.174E+00
4.200E+03	1.588E+00	8.198E+01	5.781E+01	4.832E+00	1.365E+00	7.561E+00	1.237E+01	1.167E+00
4.300E+03	1.493E+00	8.398E+01	5.843E+01	4.903E+00	1.360E+00	7.581E+00	1.246E+01	1.160E+00
4.400E+03	1.398E+00	8.598E+01	5.905E+01	4.974E+00	1.355E+00	7.601E+00	1.255E+01	1.153E+00
4.500E+03	1.303E+00	8.798E+01	5.967E+01	5.045E+00	1.350E+00	7.621E+00	1.264E+01	1.146E+00
4.600E+03	1.208E+00	8.998E+01	6.029E+01	5.116E+00	1.345E+00	7.641E+00	1.273E+01	1.139E+00
4.700E+03	1.113E+00	9.198E+01	6.091E+01	5.187E+00	1.340E+00	7.661E+00	1.282E+01	1.132E+00
4.800E+03	1.018E+00	9.398E+01	6.153E+01	5.258E+00	1.335E+00	7.681E+00	1.291E+01	1.125E+00
4.900E+03	9.233E+00	9.598E+01	6.215E+01	5.329E+00	1.330E+00	7.701E+00	1.300E+01	1.118E+00
5.000E+03	8.278E+00	9.798E+01	6.277E+01	5.399E+00	1.325E+00	7.721E+00	1.309E+01	1.111E+00
5.100E+03	7.323E+00	9.998E+01	6.339E+01	5.470E+00	1.320E+00	7.741E+00	1.318E+01	1.104E+00
5.200E+03	6.368E+00	1.019E+02	6.401E+01	5.541E+00	1.315E+00	7.761E+00	1.327E+01	1.097E+00
5.300E+03	5.413E+00	1.03						

TABLE I.- Continued

T	RHO/AMU-0	M/RHO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+03	1.237E+00	1.966E+02	6.007E+01	5.811E+00	2.676E+00	4.477E+01	3.303E+01	1.212E+00
5.000E+03	1.185E+00	2.057E+02	6.098E+01	5.949E+00	2.738E+00	4.495E+01	3.359E+01	1.216E+00
5.000E+03	1.091E+00	2.277E+02	6.273E+01	6.223E+00	2.860E+00	4.464E+01	3.268E+01	1.226E+00
5.000E+03	1.010E+00	2.488E+02	6.435E+01	6.497E+00	2.975E+00	4.178E+01	3.088E+01	1.236E+00
5.000E+03	9.408E-01	2.687E+02	6.598E+01	6.760E+00	3.079E+00	3.868E+01	2.856E+01	1.247E+00
5.000E+03	8.825E-01	6.09E+02	6.711E+01	7.008E+00	3.169E+00	3.539E+01	2.617E+01	1.257E+00
5.000E+03	8.328E-01	5.035E+02	6.826E+01	7.238E+00	3.246E+00	3.244E+01	2.405E+01	1.265E+00
4.700E+03	7.901E-01	5.189E+02	6.937E+01	7.447E+00	3.312E+00	3.015E+01	2.269E+01	1.271E+00
5.000E+03	7.527E-01	5.333E+02	7.021E+01	7.634E+00	3.364E+00	2.842E+01	2.143E+01	1.273E+00
6.000E+03	7.195E-01	5.472E+02	7.107E+01	7.800E+00	3.41E+00	2.785E+01	2.099E+01	1.271E+00
6.000E+03	6.895E-01	5.620E+02	7.194E+01	7.962E+00	3.460E+00	2.773E+01	2.104E+01	1.248E+00
7.000E+03	6.620E-01	5.765E+02	7.271E+01	8.109E+00	3.501E+00	2.813E+01	2.151E+01	1.262E+00
7.700E+03	6.365E-01	5.888E+02	7.351E+01	8.252E+00	3.540E+00	2.888E+01	2.222E+01	1.257E+00
7.000E+03	6.126E-01	6.035E+02	7.431E+01	8.397E+00	3.578E+00	2.980E+01	2.303E+01	1.253E+00
7.500E+03	5.942E-01	6.179E+02	7.512E+01	8.546E+00	3.617E+00	3.010E+01	2.380E+01	1.245E+00
7.800E+03	5.890E-01	6.332E+02	7.592E+01	8.697E+00	3.659E+00	3.143E+01	2.459E+01	1.248E+00
8.000E+03	5.811E-01	6.484E+02	7.672E+01	8.855E+00	3.693E+00	3.182E+01	2.516E+01	1.249E+00
8.200E+03	5.730E-01	6.645E+02	7.751E+01	9.020E+00	3.731E+00	3.177E+01	2.461E+01	1.251E+00
8.500E+03	5.512E-01	6.801E+02	7.827E+01	9.191E+00	3.767E+00	3.123E+01	2.413E+01	1.256E+00
8.600E+03	5.463E-01	6.953E+02	7.894E+01	9.367E+00	3.801E+00	3.022E+01	2.325E+01	1.263E+00
8.800E+03	5.181E-01	5.098E+02	7.967E+01	9.534E+00	3.833E+00	2.888E+01	2.206E+01	1.272E+00
9.000E+03	5.048E-01	5.238E+02	8.030E+01	9.733E+00	3.861E+00	2.719E+01	2.087E+01	1.283E+00
9.200E+03	4.917E-01	5.366E+02	8.088E+01	9.921E+00	3.880E+00	2.545E+01	1.921E+01	1.295E+00
9.400E+03	4.815E-01	5.443E+02	8.141E+01	1.011E+01	3.909E+00	2.377E+01	1.780E+01	1.309E+00
9.600E+03	4.704E-01	5.560E+02	8.196E+01	1.029E+01	3.928E+00	2.224E+01	1.652E+01	1.322E+00
9.800E+03	4.619E-01	5.670E+02	8.234E+01	1.047E+01	3.944E+00	2.079E+01	1.546E+01	1.335E+00
1.000E+04	4.558E-01	5.807E+02	8.275E+01	1.066E+01	3.958E+00	1.991E+01	1.458E+01	1.346E+00
1.010E+04	5.677E-01	6.267E+02	8.453E+01	1.130E+01	4.010E+00	1.833E+01	1.333E+01	1.362E+00
1.020E+04	5.332E-01	6.764E+02	8.621E+01	1.173E+01	4.057E+00	2.048E+01	1.550E+01	1.331E+00
1.030E+04	5.030E-01	7.315E+02	8.804E+01	1.212E+01	4.119E+00	2.506E+01	1.970E+01	1.291E+00
1.040E+04	2.759E+01	8.035E+02	9.022E+01	1.257E+01	4.208E+00	3.296E+01	2.355E+01	1.242E+00
1.050E+04	2.456E+01	8.456E+02	9.279E+01	1.310E+01	4.333E+00	4.1E+01	3.266E+01	1.242E+00
1.060E+04	2.259E+01	1.011E+02	9.582E+01	1.372E+01	4.401E+00	5.229E+01	5.026E+01	1.230E+00
1.070E+04	2.026E+01	1.151E+02	9.931E+01	1.444E+01	4.515E+00	6.360E+01	6.824E+01	1.214E+00
1.080E+04	1.811E+01	1.323E+02	1.032E+02	1.525E+01	4.675E+00	7.406E+01	8.566E+01	1.223E+00
1.090E+04	1.619E+01	1.517E+02	1.107E+02	1.615E+01	5.225E+00	8.494E+01	1.038E+01	1.225E+00
1.100E+04	1.449E+01	1.720E+02	1.191E+02	1.712E+01	5.620E+00	9.710E+01	1.377E+01	1.231E+00
1.110E+04	1.301E+01	1.966E+02	1.261E+02	1.813E+01	5.937E+00	1.087E+01	1.539E+01	1.241E+00
1.120E+04	1.173E+01	2.161E+02	1.320E+02	1.914E+01	6.261E+00	1.219E+01	1.655E+01	1.253E+00
1.130E+04	1.057E+01	2.364E+02	1.399E+02	2.019E+01	6.559E+00	1.381E+01	1.751E+01	1.272E+00
1.140E+04	9.413E-02	2.557E+02	1.471E+02	2.121E+01	6.841E+00	1.521E+01	1.842E+01	1.292E+00
1.150E+04	8.221E-02	2.749E+02	1.542E+02	2.224E+01	7.137E+00	1.671E+01	1.933E+01	1.311E+00
1.160E+04	7.066E-02	2.952E+02	1.613E+02	2.312E+01	7.426E+00	1.821E+01	2.020E+01	1.331E+00
1.170E+04	5.970E-02	3.167E+02	1.693E+02	2.401E+01	7.716E+00	1.971E+01	2.120E+01	1.350E+00
1.180E+04	5.000E-02	3.380E+02	1.773E+02	2.489E+01	8.006E+00	2.121E+01	2.219E+01	1.369E+00
1.190E+04	4.140E-02	3.593E+02	1.853E+02	2.571E+01	8.296E+00	2.271E+01	2.318E+01	1.388E+00
1.200E+04	3.380E-02	3.806E+02	1.933E+02	2.653E+01	8.586E+00	2.421E+01	2.417E+01	1.407E+00
1.210E+04	2.720E-02	4.019E+02	2.013E+02	2.735E+01	8.876E+00	2.561E+01	2.516E+01	1.426E+00
1.220E+04	2.170E-02	4.232E+02	2.093E+02	2.817E+01	9.166E+00	2.701E+01	2.615E+01	1.445E+00
1.230E+04	1.720E-02	4.445E+02	2.173E+02	2.899E+01	9.456E+00	2.837E+01	2.714E+01	1.464E+00
1.240E+04	1.360E-02	4.658E+02	2.253E+02	2.981E+01	9.746E+00	3.077E+01	2.813E+01	1.483E+00
1.250E+04	1.090E-02	4.871E+02	2.333E+02	3.063E+01	1.003E+01	3.317E+01	3.012E+01	1.502E+00
1.260E+04	8.200E-03	5.084E+02	2.413E+02	3.145E+01	1.034E+01	3.557E+01	3.211E+01	1.521E+00
1.270E+04	5.410E-03	5.297E+02	2.493E+02	3.227E+01	1.065E+01	3.797E+01	3.409E+01	1.540E+00
1.280E+04	3.620E-03	5.510E+02	2.573E+02	3.309E+01	1.106E+01	4.037E+01	3.608E+01	1.559E+00
1.290E+04	1.830E-03	5.723E+02	2.653E+02	3.391E+01	1.147E+01	4.277E+01	3.807E+01	1.578E+00
1.300E+04	5.500E-04	5.936E+02	2.733E+02	3.473E+01	1.188E+01	4.517E+01	4.006E+01	1.597E+00
1.310E+04	2.200E-04	6.149E+02	2.813E+02	3.555E+01	1.229E+01	4.757E+01	4.205E+01	1.616E+00
1.320E+04	9.800E-05	6.362E+02	2.893E+02	3.637E+01	1.270E+01	5.007E+01	4.404E+01	1.635E+00
1.330E+04	4.500E-05	6.575E+02	2.973E+02	3.719E+01	1.311E+01	5.257E+01	4.603E+01	1.654E+00
1.340E+04	1.200E-05	6.788E+02	3.053E+02	3.801E+01	1.352E+01	5.507E+01	4.802E+01	1.673E+00
1.350E+04	2.900E-06	6.901E+02	3.133E+02	3.883E+01	1.393E+01	5.757E+01	5.001E+01	1.692E+00
1.360E+04	8.600E-07	7.114E+02	3.213E+02	3.965E+01	1.434E+01	6.007E+01	5.200E+01	1.711E+00
1.370E+04	2.400E-07	7.326E+02	3.293E+02	4.047E+01	1.475E+01	6.257E+01	5.400E+01	1.730E+00
1.380E+04	7.000E-08	7.539E+02	3.373E+02	4.129E+01	1.516E+01	6.507E+01	5.600E+01	1.749E+00
1.390E+04	1.900E-08	7.752E+02	3.453E+02	4.211E+01	1.557E+01	6.757E+01	5.800E+01	1.768E+00
1.400E+04	5.600E-09	7.965E+02	3.533E+02	4.293E+01	1.600E+01	7.007E+01	6.000E+01	1.787E+00
1.410E+04	1.600E-09	8.178E+02	3.613E+02	4.375E+01	1.641E+01	7.257E+01	6.200E+01	1.806E+00
1.420E+04	4.500E-10	8.391E+02	3.693E+02	4.457E+01	1.682E+01	7.507E+01	6.400E+01	1.825E+00
1.430E+04	1.300E-10	8.604E+02	3.773E+02	4.539E+01	1.723E+01	7.757E+01	6.600E+01	1.844E+00
1.440E+04	3.600E-11	8.817E+02	3.853E+02	4.621E+01	1.764E+01	8.007E+01	6.800E+01	1.863E+00
1.450E+04	1.000E-11	9.030E+02	3.933E+02	4.703E+01	1.805E+01	8.257E+01	7.000E+01	1.882E+00
1.460E+04	2.600E-12	9.243E+02	4.013E+02	4.785E+01	1.846E+01	8.507E+01	7.200E+01	1.901E+00
1.470E+04	7.000E-13	9.456E+02	4.093E+02	4.867E+01	1.887E+01	8.757E+01	7.400E+01	1.920E+00
1.480E+04	1.900E-13	9.669E+02	4.173E+02	4.949E+01	1.928E+01	9.007E+01	7.600E+01	1.939E+00
1.490E+04	5.000E-14	9.882E+02	4.253E+02	5.031E+01	1.969E+01	9.257E+01	7.800E+01	1.958E+00
1.500E+04	1.300E-14	1.009E+03	4.333E+02	5.113E+01	2.010E+01	9.507E+01	8.000E+01	1.977E+00
1.510E+04	3.600E-15	1.030E+03	4.413E+02	5.195E+01	2.051E+01	9.757E+01	8.200E+01	1.996E+00
1.520E+04	1.000E-15	1.051E+03	4.493E+02	5.277E+01	2.092E+01	1.000E+02	8.400E+01	2.015E+00
1.530E+04	2.600E-16	1.072E+03	4.573E+02	5.359E+01	2.133E+01	1.029E+02	8.600E+01	2.034E+00
1.540E+04	7.000E-17	1.093E+03	4.653E+02	5.441E+01	2.174E+01	1.058E+02	8.800E+01	2.053E+00
1.550E+04	1.900E-17	1.114E+03	4.733E+02	5.523E+01	2.215E+01	1.087E+02	9.000E+01	2.072E+00
1.560E+04	5.000E-18	1.135E+03	4.813E+02	5.605E+01	2.256E+01	1.116E+02	9.200E+01	2.091E+00
1.570E+04	1.300E-18	1.156E+03	4.893E+02	5.687E+01	2.307E+01			

TABLE I. - Continued

T	KHU/RHII-0	H/RTU	S/R	A/AO	Z	CP/R	CV/R	GAMMA
1.300E+03	6.559E+00	2.297E+01	3.930E+01	2.730E+00	1.997E+00	7.759E+00	5.738E+00	1.351E+00
1.400E+03	6.058E+00	2.490E+01	3.988E+01	2.828E+00	1.994E+00	7.826E+00	5.812E+00	1.345E+00
1.500E+03	5.681E+00	2.686E+01	4.042E+01	2.922E+00	1.990E+00	7.903E+00	5.894E+00	1.340E+00
1.600E+03	5.325E+00	2.881E+01	4.096E+01	3.013E+00	1.989E+00	7.985E+00	5.978E+00	1.335E+00
1.700E+03	5.011E+00	3.079E+01	4.143E+01	3.100E+00	1.989E+00	8.068E+00	6.063E+00	1.330E+00
1.800E+03	4.733E+00	3.280E+01	4.189E+01	3.185E+00	1.999E+00	8.156E+00	6.150E+00	1.324E+00
1.900E+03	4.463E+00	3.483E+01	4.234E+01	3.266E+00	2.000E+00	8.246E+00	6.241E+00	1.321E+00
2.000E+03	4.259E+00	3.689E+01	4.277E+01	3.345E+00	2.000E+00	8.330E+00	6.342E+00	1.314E+00
2.100E+03	4.055E+00	3.897E+01	4.318E+01	3.421E+00	2.000E+00	8.412E+00	6.440E+00	1.311E+00
2.200E+03	3.871E+00	4.109E+01	4.358E+01	3.495E+00	2.000E+00	8.622E+00	6.602E+00	1.304E+00
2.300E+03	3.701E+00	4.325E+01	4.397E+01	3.565E+00	2.001E+00	8.811E+00	6.778E+00	1.298E+00
2.400E+03	3.565E+00	4.546E+01	4.435E+01	3.633E+00	2.002E+00	9.050E+00	6.959E+00	1.292E+00
2.500E+03	3.401E+00	4.717E+01	4.473E+01	3.697E+00	2.003E+00	9.352E+00	7.276E+00	1.284E+00
2.600E+03	3.268E+00	5.011E+01	4.511E+01	3.759E+00	2.005E+00	9.733E+00	7.620E+00	1.275E+00
2.700E+03	3.143E+00	5.259E+01	4.545E+01	3.819E+00	2.007E+00	1.021E+01	8.044E+00	1.265E+00
2.800E+03	3.025E+00	5.519E+01	4.587E+01	3.878E+00	2.011E+00	1.078E+01	8.557E+00	1.257E+00
2.900E+03	2.915E+00	5.795E+01	4.627E+01	3.934E+00	2.015E+00	1.148E+01	9.171E+00	1.247E+00
3.000E+03	2.810E+00	6.090E+01	4.667E+01	3.994E+00	2.021E+00	1.231E+01	9.892E+00	1.234E+00
3.100E+03	2.704E+00	6.407E+01	4.749E+01	4.052E+00	2.028E+00	1.327E+01	1.073E+01	1.229E+00
3.200E+03	2.613E+00	6.750E+01	4.754E+01	4.113E+00	2.037E+00	1.459E+01	1.166E+01	1.221E+00
3.300E+03	2.520E+00	7.123E+01	4.800E+01	4.171E+00	2.046E+00	1.566E+01	1.276E+01	1.213E+00
3.400E+03	2.430E+00	7.520E+01	4.849E+01	4.242E+00	2.062E+00	1.709E+01	1.395E+01	1.207E+00
3.500E+03	2.342E+00	7.971E+01	4.902E+01	4.311E+00	2.078E+00	1.866E+01	1.226E+01	1.202E+00
3.600E+03	2.256E+00	8.456E+01	4.957E+01	4.385E+00	2.097E+00	2.043E+01	1.664E+01	1.198E+00
3.700E+03	2.172E+00	8.985E+01	5.016E+01	4.663E+00	2.119E+00	2.211E+01	1.817E+01	1.195E+00
3.800E+03	2.090E+00	9.562E+01	5.078E+01	4.546E+00	2.145E+00	2.433E+01	1.974E+01	1.193E+00
3.900E+03	2.009E+00	1.019E+02	5.143E+01	4.633E+00	2.174E+00	2.644E+01	2.137E+01	1.192E+00
4.000E+03	1.929E+00	1.087E+02	5.215E+01	4.726E+00	2.207E+00	2.868E+01	2.303E+01	1.191E+00
4.100E+03	1.851E+00	1.161E+02	5.294E+01	4.827E+00	2.246E+00	3.096E+01	2.466E+01	1.191E+00
4.200E+03	1.775E+00	1.240E+02	5.366E+01	4.931E+00	2.285E+00	3.321E+01	2.630E+01	1.192E+00
4.300E+03	1.700E+00	1.325E+02	5.442E+01	5.049E+00	2.330E+00	3.543E+01	2.785E+01	1.193E+00
4.400E+03	1.628E+00	1.415E+02	5.531E+01	5.156E+00	2.374E+00	3.755E+01	2.922E+01	1.195E+00
4.500E+03	1.558E+00	1.510E+02	5.618E+01	5.271E+00	2.405E+00	3.950E+01	3.055E+01	1.198E+00
4.600E+03	1.490E+00	1.610E+02	5.717E+01	5.414E+00	2.455E+00	4.122E+01	3.163E+01	1.201E+00
4.700E+03	1.425E+00	1.713E+02	5.797E+01	5.533E+00	2.504E+00	4.265E+01	3.246E+01	1.204E+00
4.800E+03	1.364E+00	1.820E+02	5.887E+01	5.662E+00	2.022E+00	4.373E+01	3.317E+01	1.207E+00
4.900E+03	1.305E+00	1.928E+02	5.979E+01	5.797E+00	2.063E+00	4.491E+01	3.388E+01	1.211E+00
5.000E+03	1.250E+00	2.038E+02	6.064E+01	5.934E+00	2.125E+00	4.608E+01	3.440E+01	1.216E+00
5.200E+03	1.151E+00	2.257E+02	6.244E+01	6.209E+00	2.446E+00	4.939E+01	3.262E+01	1.225E+00
5.400E+03	1.065E+00	2.469E+02	6.406E+01	6.481E+00	2.962E+00	4.188E+01	3.094E+01	1.234E+00
5.600E+03	9.921E-01	2.686E+02	6.553E+01	6.744E+00	3.046E+00	3.892E+01	2.872E+01	1.246E+00
5.800E+03	9.301E-01	2.891E+02	6.684E+01	6.993E+00	3.157E+00	3.570E+01	2.637E+01	1.256E+00
6.000E+03	8.773E-01	3.020E+02	6.759E+01	7.224E+00	3.236E+00	3.276E+01	2.426E+01	1.264E+00
6.200E+03	8.119E-01	3.150E+02	6.902E+01	7.435E+00	3.302E+00	3.042E+01	2.262E+01	1.270E+00
6.400E+03	7.927E-01	3.202E+02	6.956E+01	7.627E+00	3.359E+00	2.882E+01	2.155E+01	1.273E+00
6.600E+03	7.571E-01	3.459E+02	7.083E+01	7.797E+00	3.468E+00	2.757E+01	2.105E+01	1.272E+00
6.800E+03	7.253E-01	3.590E+02	7.166E+01	7.957E+00	3.453E+00	2.777E+01	2.106E+01	1.264E+00
7.000E+03	6.963E-01	3.733E+02	7.247E+01	8.105E+00	3.495E+00	2.810E+01	2.146E+01	1.263E+00
7.200E+03	6.684E-01	3.873E+02	7.327E+01	8.249E+00	3.534E+00	2.879E+01	2.212E+01	1.258E+00
7.400E+03	6.433E-01	4.017E+02	7.407E+01	8.393E+00	3.573E+00	2.967E+01	2.290E+01	1.254E+00
7.600E+03	6.207E-01	4.166E+02	7.487E+01	8.546E+00	3.611E+00	3.056E+01	2.366E+01	1.250E+00
7.800E+03	5.984E-01	4.318E+02	7.567E+01	8.692E+00	3.649E+00	3.130E+01	2.424E+01	1.249E+00
8.000E+03	5.777E-01	4.474E+02	7.647E+01	8.850E+00	3.687E+00	3.172E+01	2.460E+01	1.249E+00
8.200E+03	5.577E-01	4.633E+02	7.725E+01	9.016E+00	3.725E+00	3.173E+01	2.457E+01	1.251E+00
8.400E+03	5.311E-01	4.786E+02	7.801E+01	9.183E+00	3.761E+00	3.126E+01	2.414E+01	1.256E+00
8.600E+03	5.218E-01	4.937E+02	7.877E+01	9.359E+00	3.796E+00	3.032E+01	2.332E+01	1.262E+00
8.800E+03	5.057E-01	5.088E+02	7.942E+01	9.539E+00	3.827E+00	2.898E+01	2.219E+01	1.271E+00
9.000E+03	4.908E-01	5.223E+02	8.005E+01	9.723E+00	3.856E+00	2.735E+01	2.084E+01	1.281E+00
9.200E+03	4.769E-01	5.353E+02	8.164E+01	9.910E+00	3.882E+00	2.568E+01	1.940E+01	1.284E+00
9.400E+03	4.616E-01	5.476E+02	8.311E+01	1.010E+01	3.905E+00	2.400E+01	1.799E+01	1.307E+00
9.600E+03	4.521E-01	5.590E+02	8.466E+01	1.028E+01	3.924E+00	2.246E+01	1.673E+01	1.320E+00
9.800E+03	4.414E-01	5.698E+02	8.611E+01	1.046E+01	3.941E+00	2.113E+01	1.559E+01	1.333E+00
1.000E+04	4.306E-01	5.799E+02	8.752E+01	1.063E+01	3.956E+00	2.006E+01	1.471E+01	1.345E+00
1.100E+04	3.693E-01	6.216E+02	8.431E+01	1.130E+01	4.008E+00	1.831E+01	1.331E+01	1.363E+00
1.200E+04	3.501E-01	6.735E+02	8.598E+01	1.174E+01	4.055E+00	2.066E+01	1.535E+01	1.332E+00
1.300E+04	3.184E-01	7.303E+02	8.781E+01	1.213E+01	4.115E+00	2.255E+01	1.943E+01	1.293E+00
1.400E+04	2.915E-01	7.945E+02	8.955E+01	1.257E+01	4.170E+00	2.402E+01	2.516E+01	1.264E+00
1.500E+04	2.646E-01	8.626E+02	9.151E+01	1.307E+01	4.235E+00	2.547E+01	3.193E+01	1.243E+00
1.600E+04	2.437E-01	9.105E+02	9.454E+01	1.371E+01	4.384E+00	2.685E+01	3.962E+01	1.231E+00
1.700E+04	2.235E-01	9.599E+02	9.849E+01	1.442E+01	4.546E+00	2.836E+01	4.749E+01	1.229E+00
1.800E+04	2.040E+00	1.030E+03	1.028E+02	1.522E+01	4.933E+00	2.929E+01	5.460E+01	1.223E+00
1.900E+04	1.770E+00	1.150E+03	1.069E+02	1.611E+01	5.246E+00	3.026E+01	6.032E+01	1.225E+00
2.000E+04	1.529E+00	1.272E+03	1.113E+02	1.707E+01	5.549E+00	3.103E+01	6.325E+01	1.230E+00
2.100E+04	1.374E+00	1.392E+03	1.156E+02	1.807E+01	5.801E+00	3.182E+01	6.820E+01	1.240E+00
2.200E+04	1.249E+00	1.494E+03	1.196E+02	1.910E+01	6.024E+00	3.251E+01	6.515E+01	1.233E+00
2.300E+04	1.135E+00	1.536E+03	1.233E+02	2.012E+01	6.322E+00	3.345E+01	7.045E+01	1.227E+00
2.400E+04	1.046E+00	1.594E+03	1.263E+02	2.113E+01	6.744E+00	3.400E+01	7.496E+01	1.220E+00
2.500E+04	9.726E-02	1.659E+03	1.315E+02	2.211E+01	7.005E+00	6.246E+01	7.351E+01	1.213E+00
2.600E+04	9.114E-02	1.783E+03	1.371E+02	2.306E+01	7.188E+00	5.487E+01	7.193E+01	1.208E+00
2.700E+04	8.599E-02	1.906E+03	1.433E+02	2.395E+01	7.337E+00	4.861E+01	6.335E+01	1.202E+00
2.800E+04	8.159E-02	2.027E+03	1.495E+02	2.477E+01	7.497E+00	4.389E+01	5.993E+01	1.193E+00
2.900E+04	7.773E-02	2.148E+03	1.566E+02	2.551E+01	7.656E+00	4.075E+01	5.717E+01	1.187E+00
3.000E+04	7.414E-02	2.272E+03	1.637E+02	2.637E+01	7.813E+00	3.810E+01	5.505E+01	1.181E+00

TABLE I. - Continued

T	R/H / RHO-J	H/RTJ	S/R	A/AO	Z	CP/R	CV/R	GAMMA
3.500E+04	6.092E-02	3.794E+03	1.443E+02	2.821E+01	7.988E+00	4.759E+01	3.619E+01	1.339E+00
3.600E+04	5.886E-02	3.915E+03	1.457E+02	2.844E+01	8.043E+00	5.058E+01	3.656E+01	1.329E+00
3.700E+04	5.655E-02	4.043E+03	1.471E+02	2.911E+01	8.142E+00	5.302E+01	3.646E+01	1.323E+00
3.800E+04	5.451E-02	4.170E+03	1.486E+02	2.963E+01	8.223E+00	5.656E+01	3.611E+01	1.322E+00
3.900E+04	5.259E-02	4.311E+03	1.500E+02	3.019E+01	8.305E+00	5.959E+01	3.592E+01	1.324E+00
4.000E+04	5.079E-02	4.447E+03	1.514E+02	3.078E+01	8.346E+00	5.457E+01	3.563E+01	1.329E+00
4.100E+04	4.911E-02	4.580E+03	1.527E+02	3.139E+01	8.460E+00	5.321E+01	3.628E+01	1.337E+00
4.200E+04	4.756E-02	4.708E+03	1.540E+02	3.202E+01	8.530E+00	5.129E+01	3.671E+01	1.346E+00
4.300E+04	4.609E-02	4.832E+03	1.551E+02	3.265E+01	8.595E+00	4.913E+01	3.497E+01	1.357E+00
4.400E+04	4.476E-02	4.951E+03	1.562E+02	3.327E+01	8.653E+00	4.700E+01	3.328E+01	1.360E+00
4.500E+04	4.344E-02	5.066E+03	1.573E+02	3.386E+01	8.705E+00	4.514E+01	3.103E+01	1.377E+00
4.600E+04	4.231E-02	5.174E+03	1.583E+02	3.441E+01	8.752E+00	4.372E+01	3.073E+01	1.384E+00
4.700E+04	4.121E-02	5.280E+03	1.592E+02	3.492E+01	8.795E+00	4.283E+01	3.009E+01	1.388E+00
4.800E+04	4.017E-02	5.385E+03	1.611E+02	3.537E+01	8.836E+00	4.256E+01	2.994E+01	1.388E+00
4.900E+04	3.918E-02	5.491E+03	1.610E+02	3.576E+01	8.872E+00	4.290E+01	3.030E+01	1.383E+00
5.000E+04	3.824E-02	5.598E+03	1.618E+02	3.610E+01	8.904E+00	4.385E+01	3.115E+01	1.374E+00

P/PO = 4.40E+01

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.300E+02	2.910E+01	-5.109E+00	2.477E+01	1.240E+00	1.240E+00	2.152E+01	1.659E+01	1.152E+00
6.000E+02	1.409E+01	3.324E+00	2.951E+01	1.558E+00	1.558E+00	2.785E+01	2.064E+01	1.213E+00
7.330E+02	1.359E+01	9.185E+00	3.319E+01	1.848E+00	1.848E+00	1.853E+01	1.372E+01	1.259E+00
8.300E+02	1.153E+01	1.275E+01	3.512E+01	2.000E+00	2.000E+00	1.131E+01	8.346E+00	1.315E+00
9.300E+02	1.005E+01	1.515E+01	3.628E+01	2.257E+00	2.257E+00	9.777E+00	6.421E+00	1.349E+00
1.000E+03	8.484E+00	1.721E+01	3.716E+01	2.397E+00	2.397E+00	7.990E+00	5.838E+00	1.360E+00
1.100E+03	6.139E+00	1.914E+01	3.791E+01	2.517E+00	2.517E+00	7.762E+00	5.689E+00	1.360E+00
1.200E+03	7.450E+00	2.106E+01	3.855E+01	2.627E+00	2.627E+00	7.726E+00	5.687E+00	1.356E+00
1.300E+03	6.872E+00	2.292E+01	3.921E+01	2.730E+00	2.730E+00	7.783E+00	5.763E+00	1.351E+00
1.400E+03	6.317E+00	2.490E+01	3.977E+01	2.828E+00	2.828E+00	7.828E+00	5.814E+00	1.345E+00
1.500E+03	5.952E+00	2.686E+01	4.033E+01	2.922E+00	2.922E+00	7.905E+00	5.895E+00	1.340E+00
1.600E+03	5.575E+00	2.884E+01	4.084E+01	3.013E+00	3.013E+00	7.985E+00	5.979E+00	1.335E+00
1.700E+03	5.250E+00	3.079E+01	4.133E+01	3.100E+00	3.100E+00	8.068E+00	6.043E+00	1.330E+00
1.800E+03	4.956E+00	3.280E+01	4.180E+01	3.145E+00	3.145E+00	8.156E+00	6.149E+00	1.326E+00
1.900E+03	4.697E+00	3.483E+01	4.224E+01	3.246E+00	3.246E+00	8.246E+00	6.240E+00	1.321E+00
2.000E+03	4.462E+00	3.686E+01	4.267E+01	3.345E+00	3.345E+00	8.348E+00	6.341E+00	1.316E+00
2.100E+03	4.249E+00	3.887E+01	4.313E+01	3.422E+00	3.422E+00	8.469E+00	6.457E+00	1.311E+00
2.200E+03	4.040E+00	4.086E+01	4.349E+01	2.000E+00	2.000E+00	8.617E+00	6.597E+00	1.306E+00
2.300E+03	3.817E+00	4.325E+01	4.380E+01	3.566E+00	3.566E+00	8.802E+00	6.771E+00	1.300E+00
2.400E+03	3.716E+00	4.539E+01	4.426E+01	3.633E+00	3.633E+00	9.037E+00	6.987E+00	1.292E+00
2.500E+03	3.563E+00	4.774E+01	4.464E+01	3.698E+00	3.698E+00	9.334E+00	7.259E+00	1.285E+00
2.600E+03	3.423E+00	5.010E+01	4.501E+01	3.760E+00	3.760E+00	9.727E+00	7.596E+00	1.276E+00
2.700E+03	3.293E+00	5.256E+01	4.539E+01	3.820E+00	3.820E+00	1.017E+01	8.011E+00	1.267E+00
2.800E+03	3.175E+00	5.516E+01	4.577E+01	3.879E+00	3.879E+00	1.073E+01	8.514E+00	1.257E+00
2.900E+03	3.054E+00	5.790E+01	4.616E+01	3.937E+00	3.937E+00	1.142E+01	9.114E+00	1.248E+00
3.000E+03	2.944E+00	6.083E+01	4.655E+01	3.995E+00	3.995E+00	1.222E+01	9.820E+00	1.230E+00
3.100E+03	2.834E+00	6.389E+01	4.699E+01	4.053E+00	4.053E+00	1.317E+01	1.064E+01	1.230E+00
3.200E+03	2.738E+00	6.738E+01	4.743E+01	4.113E+00	4.113E+00	1.426E+01	1.157E+01	1.222E+00
3.300E+03	2.641E+00	7.107E+01	4.789E+01	4.176E+00	4.176E+00	1.551E+01	1.262E+01	1.214E+00
3.400E+03	2.547E+00	7.505E+01	4.838E+01	4.242E+00	4.242E+00	1.691E+01	1.379E+01	1.208E+00
3.500E+03	2.456E+00	7.947E+01	4.889E+01	4.311E+00	4.311E+00	1.846E+01	1.507E+01	1.203E+00
3.600E+03	2.360E+00	8.425E+01	4.944E+01	4.386E+00	4.386E+00	2.017E+01	1.645E+01	1.195E+00
3.700E+03	2.279E+00	8.957E+01	5.002E+01	4.462E+00	4.462E+00	2.202E+01	1.792E+01	1.186E+00
3.800E+03	2.193E+00	9.517E+01	5.064E+01	4.544E+00	4.544E+00	2.400E+01	1.947E+01	1.194E+00
3.900E+03	2.108E+00	1.014E+02	5.129E+01	4.631E+00	4.631E+00	2.608E+01	2.107E+01	1.192E+00
4.000E+03	2.025E+00	1.081E+02	5.198E+01	4.724E+00	4.724E+00	2.826E+01	2.270E+01	1.192E+00
4.100E+03	1.944E+00	1.151E+02	5.271E+01	4.822E+00	4.822E+00	3.048E+01	2.433E+01	1.182E+00
4.200E+03	1.864E+00	1.223E+02	5.347E+01	4.923E+00	4.923E+00	3.272E+01	2.593E+01	1.172E+00
4.300E+03	1.787E+00	1.301E+02	5.420E+01	5.024E+00	5.024E+00	3.502E+01	2.749E+01	1.164E+00
4.400E+03	1.711E+00	1.384E+02	5.510E+01	5.110E+00	5.110E+00	3.730E+01	2.889E+01	1.156E+00
4.500E+03	1.636E+00	1.472E+02	5.596E+01	5.287E+00	5.287E+00	4.240E+01	3.047E+01	1.146E+00
4.600E+03	1.560E+00	1.565E+02	5.683E+01	5.391E+00	5.391E+00	4.727E+01	3.217E+01	1.131E+00
4.700E+03	1.494E+00	1.664E+02	5.773E+01	5.519E+00	5.519E+00	5.231E+01	3.414E+01	1.120E+00
4.800E+03	1.435E+00	1.762E+02	5.863E+01	5.650E+00	5.650E+00	5.731E+01	3.611E+01	1.107E+00
4.900E+03	1.374E+00	1.861E+02	5.953E+01	5.764E+00	5.764E+00	6.231E+01	3.808E+01	1.091E+00
5.000E+03	1.316E+00	1.960E+02	6.042E+01	5.920E+00	5.920E+00	6.721E+01	4.004E+01	1.071E+00
5.230E+03	1.231E+00	2.239E+02	6.216E+01	6.196E+00	6.196E+00	2.833E+00	4.386E+01	1.235E+00
5.500E+03	1.151E+00	2.495E+02	6.378E+01	6.456E+00	6.456E+00	2.494E+00	4.196E+01	1.235E+00
5.800E+03	1.074E+00	2.744E+02	6.526E+01	6.728E+00	6.728E+00	3.053E+00	3.913E+01	1.248E+00
6.000E+03	1.004E+00	2.985E+02	6.657E+01	6.978E+00	6.978E+00	3.146E+00	3.599E+01	1.256E+00
6.220E+03	9.320E+00	3.004E+02	6.777E+01	7.211E+00	7.211E+00	3.226E+00	3.305E+01	1.266E+00
6.200E+03	6.739E+00	3.161E+02	6.978E+01	7.424E+00	7.424E+00	3.293E+00	3.086E+01	1.270E+00
6.400E+03	6.326E+00	3.307E+02	7.072E+01	7.617E+00	7.617E+00	3.351E+00	2.902E+01	1.273E+00
6.600E+03	7.948E+00	3.447E+02	7.646E+01	7.792E+00	7.792E+00	3.402E+00	2.809E+01	1.278E+00
6.800E+03	7.613E+00	3.582E+02	7.143E+01	7.951E+00	7.951E+00	3.447E+00	2.782E+01	1.268E+00
7.000E+03	7.307E+00	3.722E+02	7.224E+01	8.101E+00	8.101E+00	3.449E+00	2.808E+01	1.264E+00
7.200E+03	7.024E+00	3.862E+02	7.304E+01	8.266E+00	8.266E+00	3.524E+00	2.872E+01	1.263E+00
7.400E+03	6.760E+00	4.005E+02	7.381E+01	8.409E+00	8.409E+00	3.567E+00	2.954E+00	1.256E+00
7.600E+03	6.512E+00	4.153E+02	7.463E+01	8.536E+00	8.536E+00	3.600E+00	3.043E+01	1.251E+00
7.800E+03	6.279E+00	4.305E+02	7.535E+01	8.688E+00	8.688E+00	3.644E+00	3.117E+01	1.249E+00
8.000E+03	6.058E+00	4.460E+02	7.623E+01	8.845E+00	8.845E+00	3.682E+00	3.163E+01	1.249E+00
8.200E+03	5.851E+00	4.616E+02	7.701E+01	9.007E+00	9.007E+00	3.719E+00	3.168E+01	1.252E+00
8.400E+03	5.656E+00	4.771E+02	7.777E+01	9.176E+00	9.176E+00	3.756E+00	3.127E+01	1.254E+00
8.600E+03	5.474E+00	4.924E+02	7.849E+01	9.351E+00	9.351E+00	3.790E+00	3.040E+01	1.262E+

TABLE I.- Continued

T	RHO/RHU-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
9.000E+03	5.148E-01	>.210E+02	7.582E+C1	9.714E+00	3.852E+00	2.758E+01	2.098E+01	1.280E+00
9.200E+03	5.002E-01	5.342E+02	6.040E+01	9.900E+00	3.878E+00	2.589E+01	1.957E+01	1.252E+00
9.400E+03	4.666E-01	>.465E+02	6.C56E+01	1.009E+01	3.901E+00	2.422E+01	1.816E+01	1.3C5E+00
9.600E+03	4.761E-01	5.581E+02	6.146E+01	1.027E+01	3.921E+00	2.267E+01	1.687E+01	1.319E+00
9.800E+03	4.624E-01	5.689E+02	6.189E+C1	1.045E+01	3.938E+00	2.132E+01	1.574E+01	1.332E+00
1.000E+04	4.514E-01	5.791E+02	6.231E+C1	1.062E+01	3.953E+00	2.022E+01	1.483E+01	1.343E+00
1.100E+04	4.049E-01	6.254E+C2	6.410E+C1	1.130E+01	4.007E+00	1.829E+01	1.329E+01	1.343E+00
1.200E+04	3.669E-01	6.726E+C2	6.576E+01	1.174E+01	4.052E+00	2.051E+01	1.521E+01	1.336E+00
1.300E+04	3.338E-01	7.286E+C2	6.758E+01	1.213E+01	4.112E+00	2.525E+01	1.918E+01	1.295E+00
1.400E+04	3.037E-01	7.588E+02	6.986E+01	1.257E+01	4.197E+00	3.222E+01	2.469E+01	1.245E+00
1.500E+04	2.756E-01	8.879E+C2	9.218E+01	1.309E+01	4.317E+00	4.059E+01	3.143E+01	1.245E+00
1.600E+04	2.491E-01	1.100E+03	9.511E+C1	1.370E+01	4.470E+00	5.061E+01	3.900E+01	1.232E+00
1.700E+04	2.242E-01	1.138E+03	9.849E+01	1.446E+01	4.683E+00	6.139E+01	4.678E+01	1.225E+00
1.800E+04	2.010E-01	1.302E+03	1.023E+C2	1.519E+01	6.933E+00	7.184E+01	5.394E+01	1.223E+00
1.900E+04	1.799E-C1	1.491E+03	1.064E+C2	1.607E+01	5.222E+00	8.061E+01	5.954E+01	1.225E+00
2.000E+04	1.611E-01	1.697E+03	1.107E+C2	1.702E+01	5.539E+00	8.622E+01	6.273E+01	1.230E+00
2.100E+04	1.468E-01	1.912E+03	1.153E+C2	1.816E+01	5.867E+00	8.773E+01	6.303E+01	1.239E+00
2.200E+04	1.311E-C1	2.126E+C3	1.190E+02	1.903E+01	6.189E+00	8.508E+01	6.053E+01	1.252E+00
2.300E+04	1.196E-01	2.249E+03	1.227E+02	2.004E+01	6.487E+00	7.914E+01	5.588E+01	1.268E+00
2.400E+C4	1.101E-01	2.146E+03	1.259E+02	2.106E+01	6.750E+00	7.134E+01	5.004E+C1	1.288E+00
2.500E+04	1.023E-01	2.686E+C2	1.286E+C2	2.204E+01	6.975E+00	6.312E+01	4.397E+01	1.311E+00
2.600E+C4	9.585E-02	2.426E+03	1.309E+02	2.299E+01	7.161E+00	5.554E+01	3.861E+01	1.335E+00
2.700E+C4	9.038E-02	2.555E+C3	1.329E+02	2.389E+01	7.312E+00	4.922E+01	3.370E+C1	1.359E+00
2.800E+04	8.577E-02	3.070E+03	1.346E+C2	2.472E+01	7.436E+00	4.440E+01	3.028E+01	1.380E+00
2.900E+04	8.163E-02	3.175E+C3	1.361E+02	2.566E+01	7.553E+00	4.112E+01	2.795E+01	1.355E+00
3.100E+04	7.802E-02	3.273E+C3	1.375E+C2	2.610E+01	7.623E+00	3.931E+01	2.677E+01	1.31LE+00
3.200E+04	7.577E-02	3.364E+03	1.387E+02	2.663E+01	7.698E+00	3.887E+01	2.664E+01	1.398E+00
3.300E+04	7.179E-02	3.466E+C3	1.404E+02	2.707E+01	7.760E+00	3.967E+01	2.748E+01	1.387E+00
3.400E+04	6.902E-02	3.566E+03	1.412E+02	2.743E+01	7.835E+00	4.151E+01	2.912E+01	1.371E+00
3.500E+04	6.611E-02	3.671E+C3	1.425E+C2	2.782E+01	7.902E+00	4.412E+01	3.132E+01	1.355E+00
3.5C0E+C4	6.339E-02	3.784E+03	1.438E+C2	2.821E+01	7.973E+00	4.713E+01	3.370E+01	1.341E+00
3.600E+C4	6.159E-02	3.946E+03	1.452E+02	2.863E+01	8.046E+00	5.009E+01	3.614E+01	1.331E+00
3.700E+04	5.935E-02	4.030E+03	1.466E+C2	2.910E+01	8.126E+00	5.259E+01	3.810E+01	1.325E+00
3.800E+04	5.722E-02	4.162E+03	1.480E+02	2.961E+01	8.207E+00	5.426E+01	3.935E+01	1.322E+00
3.900E+04	5.520E-02	4.297E+C3	1.494E+C2	3.016E+01	8.288E+00	5.692E+01	3.970E+01	1.324E+00
4.000E+04	5.331E-02	4.432E+03	1.508E+02	3.075E+01	8.368E+00	5.846E+01	3.940E+01	1.329E+00
4.100E+04	5.154E-02	4.565E+C3	1.522E+02	3.135E+01	8.446E+00	5.334E+01	3.837E+01	1.334E+00
4.200E+04	4.989E-02	4.695E+03	1.534E+02	3.198E+01	8.515E+00	5.153E+01	3.680E+01	1.345E+00
4.300E+04	4.836E-02	4.819E+03	1.546E+02	3.261E+01	8.580E+00	4.942E+01	3.514E+01	1.358E+00
4.400E+04	4.694E-02	4.938E+03	1.557E+C2	3.323E+01	8.639E+00	4.731E+01	3.351E+01	1.366E+00
4.500E+04	4.562E-02	5.053E+C3	1.568E+02	3.382E+01	8.692E+00	4.542E+01	3.203E+01	1.378E+00
4.600E+04	4.438E-02	5.163E+C3	1.578E+C2	3.438E+01	8.749E+00	4.394E+01	3.089E+01	1.383E+00
4.700E+04	4.322E-02	5.270E+03	1.587E+02	3.489E+01	8.784E+00	4.298E+01	3.018E+01	1.387E+00
4.800E+04	4.213E-02	5.375E+03	1.596E+C2	3.535E+01	8.824E+00	4.260E+01	2.994E+01	1.388E+00
4.900E+04	4.109E-02	5.480E+03	1.605E+02	3.575E+01	8.862E+00	4.283E+01	3.021E+01	1.385E+00
5.000E+04	4.010E-02	5.587E+03	1.613E+02	3.610E+01	8.894E+00	4.366E+01	3.096E+01	1.378E+00

P/P0 = 4.60E+01

T	RHO/RHU-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+C2	3.044E+C1	-3.181E+CC	2.465E+C1	1.244E+J0	1.226E+00	2.120E+01	1.636E+01	1.192E+00
6.200E+C2	2.007E+01	3.195E+00	2.535E+01	1.548E+00	2.779E+01	2.040E+01	1.212E+00	
7.000E+C2	1.466E+01	9.089E+00	3.305E+01	1.844E+00	1.879E+C1	1.390E+01	1.258E+00	
8.300E+02	1.207E+01	1.269E+01	3.501E+C1	2.017E+00	1.932E+00	1.146E+01	8.456E+00	1.313E+00
9.400E+02	1.051E+01	1.514E+01	3.619E+01	2.255E+00	1.972E+00	8.838E+00	6.607E+00	1.348E+00
1.000E+03	9.391E+00	1.720E+01	3.707E+01	2.399E+00	1.987E+00	8.016E+00	5.858E+00	1.339E+00
1.100E+03	8.511E+00	1.914E+01	3.782E+01	2.517E+00	1.993E+00	7.174E+00	5.698E+00	1.366E+00
1.200E+03	7.757E+00	2.105E+01	3.849E+01	2.627E+00	1.996E+00	6.733E+00	5.651E+00	1.366E+00
1.300E+03	7.148E+00	2.297E+01	3.912E+C1	2.730E+00	1.997E+00	6.766E+00	5.742E+00	1.351E+00
1.400E+03	6.665E+00	2.489E+01	3.970E+C1	2.828E+00	1.998E+00	7.830E+00	5.815E+00	1.345E+00
1.500E+03	6.223E+00	2.684E+01	4.024E+C1	2.922E+00	1.999E+00	7.960E+00	5.896E+00	1.342E+00
1.600E+03	5.833E+00	2.880E+01	4.075E+C1	3.013E+00	1.999E+00	7.988E+00	5.979E+00	1.335E+00
1.700E+03	5.489E+00	3.079E+01	4.124E+C1	3.103E+00	1.999E+00	8.049E+00	6.063E+00	1.330E+00
1.800E+03	5.184E+00	3.280E+01	4.171E+C1	3.185E+00	1.999E+00	8.154E+00	6.149E+00	1.326E+00
1.900E+03	4.910E+00	3.483E+01	4.216E+C1	3.266E+00	2.000E+00	8.245E+00	6.240E+00	1.321E+00
2.000E+03	4.664E+00	3.688E+01	4.254E+01	3.345E+00	2.000E+00	8.337E+00	6.339E+00	1.316E+00
2.100E+03	4.462E+00	3.897E+01	4.302E+01	3.422E+00	2.000E+00	8.406E+00	6.454E+00	1.311E+00
2.200E+03	4.239E+00	4.108E+01	4.344E+C1	3.495E+00	2.000E+00	8.461E+00	6.553E+00	1.306E+00
2.300E+03	4.054E+00	4.324E+01	4.379E+01	3.566E+00	2.001E+00	8.519E+00	6.763E+00	1.300E+00
2.400E+03	3.883E+00	4.545E+C1	4.417E+C1	3.634E+00	2.002E+00	8.562E+00	6.977E+00	1.294E+00
2.500E+03	3.726E+00	4.773E+01	4.456E+C1	3.699E+00	2.003E+00	9.316E+00	7.293E+00	1.285E+00
2.600E+03	3.577E+00	5.008E+01	4.492E+C1	3.761E+00	2.005E+00	9.602E+00	7.574E+00	1.277E+00
2.700E+03	3.443E+00	5.254E+01	4.530E+C1	3.821E+00	2.007E+00	1.013E+01	7.901E+00	1.266E+00
2.800E+C3	3.314E+00	5.512E+01	4.586E+C1	3.880E+00	2.010E+00	1.049E+01	8.473E+00	1.238E+00
2.900E+03	3.193E+00	5.786E+01	4.637E+C1	3.938E+00	2.020E+00	1.125E+01	9.081E+00	1.229E+00
3.100E+03	3.079E+00	6.077E+C1	4.697E+01	3.995E+00	2.020E+00	1.215E+01	9.733E+00	1.215E+00
3.200E+03	2.864E+00	6.379E+01	4.689E+C1	4.054E+00	2.027E+00	1.307E+01	1.055E+01	1.211E+00
3.300E+03	2.676E+00	6.727E+01	4.732E+01	4.114E+00	2.036E+00	1.414E+01	1.147E+01	1.223E+00
3.400E+03	2.767E+00	7.093E+01	4.771E+C1	4.177E+00	2.046E+00	1.533E+01	1.250E+01	1.215E+00

TABLE I.- Continued

T	K/H-KH-J	H/KT0	S/R	A/AU	Z	CP/R	CV/R	GAMMA
3.400E+03	2.665E+00	7.491E+01	4.826E+01	4.242E+00	2.059E+00	1.673E+01	1.364E+01	1.209E+00
3.500E+03	2.569E+00	7.524E+01	4.877E+01	4.311E+00	2.075E+00	1.625E+01	1.490E+01	1.204E+00
3.600E+03	2.476E+00	8.397E+01	4.931E+01	4.383E+00	2.093E+00	1.593E+01	1.625E+01	1.206E+00
3.700E+03	2.385E+00	8.913E+01	4.989E+01	4.460E+00	2.114E+00	2.174E+01	1.769E+01	1.157E+00
3.800E+03	2.296E+00	9.475E+01	5.030E+01	5.562E+00	2.139E+00	2.366E+01	1.921E+01	1.194E+00
3.900E+03	2.206E+00	1.009E+02	5.114E+01	6.629E+00	2.167E+00	2.573E+01	2.079E+01	1.193E+00
4.000E+03	2.122E+00	1.075E+02	5.182E+01	6.720E+00	2.194E+00	2.787E+01	2.239E+01	1.192E+00
4.100E+03	2.037E+00	1.146E+02	5.259E+01	6.817E+00	2.234E+00	3.006E+01	2.400E+01	1.192E+00
4.200E+03	1.954E+00	1.223E+02	5.329E+01	6.920E+00	2.273E+00	3.226E+01	2.559E+01	1.192E+00
4.300E+03	1.873E+00	1.306E+02	5.408E+01	5.028E+00	2.316E+00	3.446E+01	2.711E+01	1.194E+00
4.400E+03	1.794E+00	1.395E+02	5.490E+01	5.161E+00	2.363E+00	3.653E+01	2.853E+01	1.194E+00
4.500E+03	1.718E+00	1.486E+02	5.574E+01	5.259E+00	2.413E+00	3.849E+01	2.981E+01	1.194E+00
4.600E+03	1.644E+00	1.583E+02	5.661E+01	5.381E+00	2.466E+00	4.024E+01	3.092E+01	1.201E+00
4.700E+03	1.575E+00	1.684E+02	5.749E+01	5.508E+00	2.522E+00	4.172E+01	3.182E+01	1.204E+00
4.800E+03	1.506E+00	1.789E+02	5.839E+01	5.630E+00	2.580E+00	4.289E+01	3.248E+01	1.207E+00
4.900E+03	1.442E+00	1.896E+02	5.928E+01	5.771E+00	2.640E+00	4.370E+01	3.288E+01	1.211E+00
5.000E+03	1.382E+00	2.004E+02	6.017E+01	5.904E+00	2.700E+00	4.412E+01	3.301E+01	1.215E+00
5.200E+03	1.272E+00	2.221E+02	6.190E+01	6.179E+00	2.821E+00	4.377E+01	3.247E+01	1.225E+00
5.400E+03	1.177E+00	2.433E+02	6.352E+01	6.450E+00	2.930E+00	4.420E+01	3.102E+01	1.235E+00
5.600E+03	1.095E+00	2.633E+02	6.503E+01	6.713E+00	3.041E+00	3.932E+01	2.898E+01	1.245E+00
5.800E+03	1.026E+00	2.819E+02	6.632E+01	6.964E+00	3.135E+00	3.625E+01	2.674E+01	1.255E+00
6.000E+03	9.669E+00	2.990E+02	6.750E+01	7.198E+00	3.215E+00	3.333E+01	2.464E+01	1.263E+00
6.200E+03	9.161E+00	3.147E+02	6.855E+01	7.413E+00	3.244E+00	3.093E+01	2.295E+01	1.269E+00
6.400E+03	8.716E+00	3.295E+02	6.950E+01	7.600E+00	3.343E+00	2.921E+01	2.179E+01	1.273E+00
6.600E+03	8.326E+00	3.436E+02	7.038E+01	7.765E+00	3.395E+00	2.822E+01	2.118E+01	1.272E+00
6.800E+03	7.976E+00	3.574E+02	7.121E+01	7.966E+00	3.441E+00	2.780E+01	2.108E+01	1.269E+00
7.000E+03	7.652E+00	3.711E+02	7.202E+01	8.079E+00	3.483E+00	2.807E+01	2.137E+01	1.265E+00
7.200E+03	7.355E+00	3.851E+02	7.282E+01	8.242E+00	3.523E+00	2.865E+01	2.195E+01	1.260E+00
7.400E+03	7.078E+00	3.996E+02	7.361E+01	8.386E+00	3.562E+00	2.946E+01	2.268E+01	1.255E+00
7.600E+03	6.818E+00	4.141E+02	7.441E+01	8.533E+00	3.600E+00	3.031E+01	2.342E+01	1.252E+00
7.800E+03	6.574E+00	4.292E+02	7.520E+01	8.684E+00	3.638E+00	3.1C5E+01	2.404E+01	1.250E+00
8.000E+03	6.343E+00	4.446E+02	7.600E+01	8.840E+00	3.676E+00	3.153E+01	2.442E+01	1.250E+00
8.200E+03	6.126E+00	4.602E+02	7.678E+01	9.026E+00	3.711E+00	3.163E+01	2.447E+01	1.252E+00
8.400E+03	5.922E+00	4.757E+02	7.753E+01	9.170E+00	3.750E+00	3.128E+01	2.414E+01	1.256E+00
8.600E+03	5.731E+00	4.910E+02	7.826E+01	9.334E+00	3.785E+00	3.046E+01	2.343E+01	1.252E+00
8.800E+03	5.553E+00	5.077E+02	7.895E+01	9.522E+00	3.818E+00	2.925E+01	2.239E+01	1.272E+00
9.000E+03	5.385E+00	5.197E+02	9.595E+01	9.704E+00	3.847E+00	2.775E+01	2.112E+01	1.280E+00
9.200E+03	5.235E+00	5.330E+02	8.018E+01	9.890E+00	3.874E+00	2.609E+01	1.973E+01	1.291E+00
9.400E+03	5.093E+00	5.455E+02	6.012E+01	1.008E+01	3.897E+00	2.443E+01	1.833E+01	1.3C4E+00
9.600E+03	4.961E+00	5.571E+02	6.122E+01	1.026E+01	3.917E+00	2.287E+01	1.703E+01	1.317E+00
9.800E+03	4.838E+00	5.680E+02	6.168E+01	1.046E+01	3.935E+00	2.150E+01	1.589E+01	1.330E+00
1.000E+04	4.723E+00	5.731E+00	6.101E+01	1.061E+01	3.950E+00	2.037E+01	1.495E+01	1.342E+00
1.100E+04	4.235E+01	6.249E+02	6.390E+01	1.130E+01	4.005E+00	1.829E+01	1.327E+01	1.344E+00
1.200E+04	3.838E+01	6.718E+02	6.556E+01	1.175E+01	4.050E+00	2.037E+01	1.509E+01	1.353E+00
1.300E+04	3.492E+01	7.273E+02	8.735E+01	1.214E+01	4.109E+00	2.498E+01	1.695E+01	1.297E+00
1.400E+04	3.176E+01	7.966E+02	8.944E+01	1.257E+01	4.193E+00	3.160E+01	2.435E+01	1.267E+00
1.500E+04	2.886E+01	8.045E+02	9.189E+01	1.309E+01	4.310E+00	4.00DE+01	3.097E+01	1.246E+00
1.600E+04	2.610E+01	9.595E+02	9.478E+01	1.369E+01	4.467E+00	4.938E+01	3.842E+01	1.233E+00
1.700E+04	2.351E+01	1.131E+03	9.812E+01	1.438E+01	4.668E+00	6.047E+01	4.612E+01	1.226E+00
1.800E+04	2.129E+01	1.293E+03	1.019E+02	1.516E+01	4.913E+00	7.086E+01	5.325E+01	1.223E+00
1.900E+04	1.889E+01	1.479E+03	1.059E+02	1.603E+01	5.197E+00	7.964E+01	5.889E+01	1.225E+00
2.000E+04	1.693E+01	1.688E+03	1.102E+02	1.697E+01	5.510E+00	8.543E+01	6.222E+01	1.230E+00
2.100E+04	1.522E+01	1.896E+03	1.144E+02	1.796E+01	5.835E+00	8.725E+01	6.273E+01	1.216E+00
2.200E+04	1.376E+01	2.109E+03	1.184E+02	1.897E+01	6.155E+00	8.497E+01	6.048E+01	1.251E+00
2.300E+04	1.257E+01	2.312E+03	1.221E+02	1.999E+01	6.453E+00	7.937E+01	5.666E+01	1.267E+00
2.400E+04	1.157E+01	2.499E+03	1.253E+02	2.100E+01	6.718E+00	7.183E+01	5.309E+01	1.268E+00
2.500E+04	1.074E+01	2.666E+03	1.281E+02	2.198E+01	6.942E+00	6.374E+01	4.441E+01	1.3C9E+00
2.600E+04	1.006E+01	2.813E+03	1.304E+02	2.293E+01	7.134E+00	5.196E+01	3.886E+01	1.333E+00
2.700E+04	9.480E+02	2.944E+03	1.324E+02	2.383E+01	7.289E+00	4.981E+01	3.419E+01	1.357E+00
2.800E+04	8.985E+02	3.060E+03	1.341E+02	2.466E+01	7.415E+00	4.649E+01	3.061E+01	1.370E+00
2.900E+04	8.555E+02	3.166E+03	1.356E+02	2.541E+01	7.519E+00	4.144E+01	2.819E+01	1.393E+00
3.000E+04	8.175E+02	3.265E+03	1.370E+02	2.606E+01	7.607E+00	3.453E+01	2.669E+01	1.410E+00
3.100E+04	7.832E+02	3.383E+03	1.388E+02	2.661E+01	7.685E+00	3.894E+01	2.665E+01	1.398E+00
3.200E+04	7.515E+02	3.458E+03	1.395E+02	2.706E+01	7.753E+00	5.159E+01	2.737E+01	1.388E+00
3.300E+04	7.228E+02	3.555E+03	1.408E+02	2.745E+01	7.812E+00	4.124E+01	2.889E+01	1.373E+00
3.400E+04	6.955E+02	3.663E+03	1.420E+02	2.782E+01	7.889E+00	4.377E+01	3.1CC6E+01	1.358E+00
3.500E+04	6.697E+02	3.774E+03	1.434E+02	2.821E+01	7.959E+00	4.669E+01	3.313E+01	1.346E+00
3.600E+04	6.451E+02	3.893E+03	1.447E+02	2.862E+01	8.033E+00	4.964E+01	3.577E+01	1.333E+00
3.700E+04	6.216E+02	4.014E+03	1.461E+02	2.908E+01	8.111E+00	5.217E+01	3.775E+01	1.326E+00
3.800E+04	5.993E+02	4.149E+03	1.475E+02	2.974E+01	8.191E+00	5.494E+01	3.908E+01	1.323E+00
3.900E+04	5.782E+02	4.284E+03	1.489E+02	3.013E+01	8.272E+00	5.747E+01	3.982E+01	1.324E+00
4.000E+04	5.584E+02	4.421E+03	1.503E+02	3.071E+01	8.352E+00	5.453E+01	3.936E+01	1.328E+00
4.100E+04	5.398E+02	4.552E+03	1.517E+02	3.122E+01	8.429E+00	5.344E+01	3.843E+01	1.335E+00
4.200E+04	5.225E+02	4.681E+03	1.532E+02	3.194E+01	8.502E+00	5.173E+01	3.703E+01	1.341E+00
4.300E+04	5.064E+02	4.807E+03	1.551E+02	3.257E+01	8.597E+00	4.969E+01	3.538E+01	1.334E+00
4.400E+04	4.915E+02	4.926E+03	1.552E+02	3.319E+01	8.626E+00	4.760E+01	3.372E+01	1.326E+00
4.500E+04	4.776E+02	5.041E+03	1.553E+02	3.378E+01	8.680E+00	4.570E+01	3.222E+01	1.375E+00
4.600E+04	4.646E+02	5.152E+03	1.553E+02	3.435E+01	8.729E+00	4.417E+01	3.104E+01	1.382E+00
4.700E+04	4.524E+02	5.260E+03	1.552E+02	3.487E+01	8.773E+00	4.313E+01	3.027E+01	1.387E+00
4.800E+04	4.409E+02	5.365E+03	1.551E+02	3.533E+01	8.814E+00	4.260E+01	2.946E+01	1.388E+00
4.900E+04	4.301E+02	5.476E+03	1.551E+02	3.574E+01	8.853E+00	4.278E+01	2.814E+01	1.382E+00
5.000E+04	4.197E+02	5.577E+03	1.551E+02	3.610E+01	8.890E+00	4.190E+01	2.808E+01	1.379E+00

TABLE I.- Continued

P/P0 = 4.80E+01

T	RHO/RHO-0	H/RTD	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	3.188E+01	-3.250E+00	2.455E+01	1.244E+00	1.221E+00	2.090E+01	1.614E+01	1.192E+00
6.000E+02	2.166E+01	3.067E+00	2.502E+01	1.543E+00	1.541E+00	2.772E+01	2.034E+01	1.212E+00
7.000E+02	1.535E+01	8.994E+00	3.292E+01	1.841E+00	1.812E+00	1.903E+01	1.407E+01	1.237E+00
8.000E+02	1.261E+01	1.285E+01	3.491E+01	2.075E+00	1.929E+00	1.161E+01	4.564E+00	1.312E+00
9.000E+02	1.098E+01	1.512E+01	3.619E+01	2.256E+00	1.971E+00	8.699E+00	6.512E+00	1.307E+00
1.000E+03	9.802E+00	1.719E+01	3.698E+01	2.395E+00	1.984E+00	8.042E+00	5.877E+00	1.359E+00
1.100E+03	8.882E+00	1.913E+01	3.773E+01	2.517E+00	1.992E+00	7.784E+00	5.706E+00	1.359E+00
1.200E+03	8.129E+00	2.105E+01	3.841E+01	2.627E+00	1.996E+00	7.739E+00	5.649E+00	1.356E+00
1.300E+03	7.698E+00	2.254E+01	2.903E+01	2.730E+00	1.997E+00	7.770E+00	5.745E+00	1.351E+00
1.400E+03	6.959E+00	2.499E+01	3.901E+01	2.824E+00	1.998E+00	7.832E+00	5.816E+00	1.345E+00
1.500E+03	6.493E+00	2.684E+01	4.015E+01	2.922E+00	1.999E+00	7.907E+00	5.897E+00	1.340E+00
1.600E+03	6.086E+00	2.880E+01	4.067E+01	3.013E+00	1.999E+00	7.987E+00	5.980E+00	1.335E+00
1.700E+03	5.728E+00	3.079E+01	4.116E+01	3.100E+00	1.999E+00	8.069E+00	6.036E+00	1.330E+00
1.800E+03	5.409E+00	3.280E+01	4.162E+01	3.185E+00	1.999E+00	8.154E+00	6.149E+00	1.326E+00
1.900E+03	5.124E+00	3.463E+01	4.207E+01	3.266E+00	2.000E+00	8.245E+00	6.239E+00	1.321E+00
2.000E+03	4.867E+00	3.668E+01	4.250E+01	3.345E+00	2.000E+00	8.346E+00	6.338E+00	1.316E+00
2.100E+03	4.635E+00	3.875E+01	4.291E+01	3.422E+00	2.000E+00	8.446E+00	6.452E+00	1.311E+00
2.200E+03	4.423E+00	4.106E+01	4.351E+01	3.499E+00	2.000E+00	8.408E+00	6.568E+00	1.306E+00
2.300E+03	4.230E+00	4.324E+01	4.370E+01	3.566E+00	2.001E+00	8.787E+00	6.757E+00	1.300E+00
2.400E+03	4.052E+00	4.545E+01	4.408E+01	3.634E+00	2.002E+00	9.014E+00	6.946E+00	1.251E+00
2.500E+03	3.888E+00	4.772E+01	4.466E+01	3.699E+00	2.003E+00	9.300E+00	7.228E+00	1.265E+00
2.600E+03	3.735E+00	5.007E+01	4.483E+01	3.761E+00	2.005E+00	9.659E+00	7.553E+00	1.277E+00
2.700E+03	3.593E+00	5.252E+01	4.521E+01	3.822E+00	2.007E+00	1.010E+01	7.952E+00	1.288E+00
2.800E+03	3.455E+00	5.509E+01	4.559E+01	3.881E+00	2.010E+00	1.065E+01	8.435E+00	1.299E+00
2.900E+03	3.333E+00	5.782E+01	4.595E+01	3.939E+00	2.015E+00	1.130E+01	9.012E+00	1.249E+00
3.100E+03	3.213E+00	6.071E+01	4.638E+01	3.996E+00	2.019E+00	1.208E+01	9.696E+00	1.240E+00
3.100E+03	3.095E+00	6.382E+01	4.679E+01	4.055E+00	2.026E+00	1.298E+01	1.047E+01	1.231E+00
3.200E+03	2.990E+00	6.717E+01	4.722E+01	4.115E+00	2.035E+00	1.403E+01	1.137E+01	1.223E+00
3.300E+03	2.884E+00	7.048E+01	4.768E+01	4.177E+00	2.045E+00	1.523E+01	1.238E+01	1.216E+00
3.400E+03	2.772E+00	7.474E+01	4.815E+01	4.242E+00	2.056E+00	1.657E+01	1.350E+01	1.210E+00
3.500E+03	2.663E+00	7.903E+01	4.866E+01	4.311E+00	2.071E+00	1.806E+01	1.473E+01	1.205E+00
3.600E+03	2.566E+00	8.370E+01	4.915E+01	4.383E+00	2.091E+00	1.970E+01	1.606E+01	1.201E+00
3.700E+03	2.491E+00	8.840E+01	4.976E+01	4.456E+00	2.111E+00	2.148E+01	1.748E+01	1.197E+00
3.800E+03	2.395E+00	9.435E+01	5.036E+01	4.540E+00	2.134E+00	2.338E+01	1.897E+01	1.155E+00
3.900E+03	2.307E+00	1.006E+02	5.100E+01	4.626E+00	2.163E+00	2.539E+01	2.052E+01	1.193E+00
4.000E+03	2.218E+00	1.049E+02	5.167E+01	4.717E+00	2.194E+00	2.750E+01	2.210E+01	1.153E+00
4.100E+03	2.130E+00	1.140E+02	5.238E+01	4.813E+00	2.229E+00	2.965E+01	2.369E+01	1.193E+00
4.200E+03	2.044E+00	1.216E+02	5.312E+01	4.915E+00	2.268E+00	3.183E+01	2.526E+01	1.193E+00
4.300E+03	1.964E+00	1.273E+02	5.395E+01	5.021E+00	2.310E+00	3.399E+01	2.677E+01	1.194E+00
4.400E+03	1.878E+00	1.344E+02	5.471E+01	5.133E+00	2.356E+00	3.607E+01	2.818E+01	1.196E+00
4.500E+03	1.799E+00	1.417E+02	5.554E+01	5.250E+00	2.405E+00	3.802E+01	2.967E+01	1.198E+00
4.600E+03	1.722E+00	1.571E+02	5.644E+01	5.372E+00	2.457E+00	4.017E+01	3.059E+01	1.201E+00
4.700E+03	1.648E+00	1.671E+02	5.727E+01	5.479E+00	2.513E+00	4.129E+01	3.151E+01	1.204E+00
4.800E+03	1.578E+00	1.775E+02	5.816E+01	5.627E+00	2.570E+00	4.250E+01	3.220E+01	1.207E+00
4.900E+03	1.511E+00	1.880E+02	5.904E+01	5.759E+00	2.629E+00	4.336E+01	3.289E+01	1.211E+00
5.000E+03	1.444E+00	1.988E+02	5.992E+01	5.893E+00	2.689E+00	4.384E+01	3.326E+01	1.215E+00
5.200E+03	1.333E+00	2.204E+02	6.151E+01	6.165E+00	2.808E+00	4.365E+01	3.239E+01	1.224E+00
5.400E+03	1.233E+00	2.416E+02	6.326E+01	6.436E+00	2.924E+00	4.205E+01	3.104E+01	1.234E+00
5.600E+03	1.147E+00	2.616E+02	6.475E+01	6.699E+00	3.030E+00	3.968E+01	2.909E+01	1.244E+00
5.800E+03	1.074E+00	2.804E+02	6.608E+01	6.950E+00	3.124E+00	3.649E+01	2.685E+01	1.254E+00
6.000E+03	1.012E+00	2.975E+02	6.726E+01	7.185E+00	3.206E+00	3.360E+01	2.482E+01	1.263E+00
6.200E+03	9.565E-01	3.132E+02	6.832E+01	7.402E+00	3.270E+00	3.117E+01	2.311E+01	1.265E+00
6.400E+03	9.116E-01	3.283E+02	6.952E+01	7.599E+00	3.336E+00	2.940E+01	2.191E+01	1.272E+00
6.600E+03	8.706E-01	3.422E+02	7.016E+01	7.777E+00	3.388E+00	2.834E+01	2.125E+01	1.273E+00
6.800E+03	8.355E-01	3.563E+02	7.1CC+E+01	7.940E+00	3.434E+00	2.795E+01	2.109E+01	1.27CE+00
7.000E+03	7.949E-01	3.704E+02	7.181E+01	8.092E+00	3.477E+00	2.827E+01	2.134E+01	1.266E+00
7.200E+03	7.667E-01	3.846E+02	7.261E+01	8.238E+00	3.517E+00	2.880E+01	2.180E+01	1.261E+00
7.400E+03	7.397E-01	3.982E+02	7.340E+01	8.383E+00	3.558E+00	2.936E+01	2.258E+01	1.253E+00
7.600E+03	7.125E-01	4.129E+02	7.419E+01	8.529E+00	3.595E+00	3.022E+01	2.331E+01	1.253E+00
7.800E+03	6.869E-01	4.292E+02	7.499E+01	8.679E+00	3.633E+00	3.096E+01	2.393E+01	1.251E+00
8.000E+03	6.622E-01	4.453E+02	7.577E+01	8.833E+00	3.671E+00	3.146E+01	2.433E+01	1.256E+00
8.200E+03	6.401E-01	4.589E+02	7.655E+01	8.996E+00	3.709E+00	3.156E+01	2.442E+01	1.252E+00
8.400E+03	6.188E-01	4.744E+02	7.731E+01	9.163E+00	3.746E+00	3.128E+01	2.413E+01	1.256E+00
8.600E+03	5.988E-01	4.896E+02	7.804E+01	9.336E+00	3.780E+00	3.052E+01	2.347E+01	1.241E+00
8.800E+03	5.802E-01	5.046E+02	7.873E+01	9.516E+00	3.813E+00	2.936E+01	2.248E+01	1.248E+00
9.000E+03	5.629E-01	5.185E+02	7.937E+01	9.695E+00	3.843E+00	2.790E+01	2.125E+01	1.249E+00
9.200E+03	5.468E-01	5.319E+02	7.997E+01	9.868E+00	3.870E+00	2.628E+01	1.988E+01	1.249E+00
9.400E+03	5.314E-01	5.444E+02	8.051E+01	1.007E+01	3.893E+00	2.462E+01	1.849E+01	1.32CE+00
9.600E+03	5.161E-01	5.562E+02	8.125E+01	1.025E+01	3.914E+00	2.306E+01	1.719E+01	1.316E+00
9.800E+03	5.052E-01	5.672E+02	8.196E+01	1.043E+01	3.932E+00	2.168E+01	1.603E+01	1.329E+00
1.000E+04	4.931E-01	5.776E+02	8.265E+01	1.061E+01	3.952E+00	2.052E+01	1.507E+01	1.340E+00
1.100E+04	4.642E-01	6.243E+02	8.371E+01	1.130E+01	4.003E+00	1.828E+01	1.326E+01	1.346E+00
1.200E+04	4.007E-01	6.711E+02	8.536E+01	1.175E+01	4.049E+00	2.023E+01	1.497E+01	1.331E+00
1.300E+04	3.657E-01	7.261E+02	8.716E+01	1.214E+01	4.106E+00	2.473E+01	1.873E+01	1.299E+00
1.400E+04	3.320E-01	7.948E+02	8.920E+01	1.257E+01	4.189E+00	3.121E+01	2.402E+01	1.268E+00
1.500E+04	3.016E-01	8.613E+02	9.612E+01	1.304E+01	4.303E+00	3.955E+01	3.053E+01	1.247E+00
1.600E+04	2.730E-01	9.402E+02	9.477E+01	1.348E+01	4.365E+00	4.912E+01	3.707E+01	1.236E+00
1.700E+04	2.466E-01	1.012E+03	9.176E+01	1.393E+01	4.454E+00	5.911E+01	4.549E+01	1.226E+00
1.800E+04	2.229E-01	1.046E+03	9.015E+01	1.414E+01	4.595E+00	6.911E+01	5.254E+01	1.223E+00
1.900E+04	1.958E-01	1.067E+03	1.059E+02	1.450E+01	5.175E+00	7.872E+01	5.827E+01	1.224E+00
2.000E+04	1.775E-01	1.069E+03	1.059E+02	1.493E+01	5.493E+00	8.466E+01	6.172E+01	1.224E+00

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE I. - Continued

T	N (A-A ₀)	H/RTO	S/R	A/A ₀	L	CP/R	CV/R	GAMMA
2.100E+04	1.597E-01	1.881E+03	1.139E+02	1.791E+01	5.805E+00	8.676E+01	6.244E+01	1.238E+00
2.200E+04	1.445E-01	2.093E+03	1.179E+02	1.892E+01	6.123E+00	6.483E+01	6.042E+01	1.250E+00
2.300E+04	1.314E-01	2.297E+03	1.215E+02	1.993E+01	6.421E+00	7.954E+01	5.622E+01	1.266E+00
2.400E+04	1.213E-01	2.484E+03	1.246E+02	2.034E+01	6.647E+00	7.226E+01	5.070E+01	1.269E+00
2.500E+04	1.126E-01	2.652E+03	1.274E+02	2.192E+01	6.916E+00	6.431E+01	4.481E+01	1.307E+00
2.600E+04	1.053E-01	2.801E+03	1.299E+02	2.286E+01	7.108E+00	5.679E+01	3.928E+01	1.331E+00
2.700E+04	9.923E-02	2.933E+03	1.319E+02	2.377E+01	7.266E+00	5.038E+01	3.458E+01	1.355E+00
2.800E+04	9.402E-02	3.050E+03	1.337E+02	2.461E+01	7.395E+00	4.537E+01	3.094E+01	1.376E+00
2.900E+04	8.969E-02	3.157E+03	1.352E+02	2.537E+01	7.501E+00	4.184E+01	2.843E+01	1.392E+00
3.000E+04	8.564E-02	3.258E+03	1.366E+02	2.603E+01	7.590E+00	3.975E+01	2.702E+01	1.400E+00
3.100E+04	8.149E-02	3.354E+03	1.379E+02	2.658E+01	7.668E+00	3.902E+01	2.667E+01	1.398E+00
3.200E+04	7.860E-02	3.451E+03	1.391E+02	2.705E+01	7.739E+00	3.952E+01	2.727E+01	1.389E+00
3.300E+04	7.556E-02	3.550E+03	1.406E+02	2.744E+01	7.807E+00	4.108E+01	2.669E+01	1.375E+00
3.400E+04	7.277E-02	3.654E+03	1.416E+02	2.782E+01	7.875E+00	4.344E+01	3.071E+01	1.360E+00
3.500E+04	7.003E-02	3.765E+03	1.429E+02	2.820E+01	7.945E+00	4.629E+01	3.305E+01	1.345E+00
3.600E+04	6.737E-02	3.882E+03	1.443E+02	2.862E+01	8.019E+00	4.921E+01	3.540E+01	1.334E+00
3.700E+04	6.498E-02	4.007E+03	1.456E+02	2.907E+01	8.096E+00	5.177E+01	3.741E+01	1.327E+00
3.800E+04	6.265E-02	4.137E+03	1.474E+02	2.957E+01	8.176E+00	5.363E+01	3.881E+01	1.324E+00
3.900E+04	6.045E-02	4.271E+03	1.488E+02	3.011E+01	8.257E+00	5.455E+01	3.946E+01	1.324E+00
4.100E+04	5.837E-02	4.404E+03	1.498E+02	3.069E+01	8.337E+00	5.447E+01	3.931E+01	1.328E+00
4.200E+04	5.643E-02	4.533E+03	1.512E+02	3.129E+01	8.414E+00	5.352E+01	3.846E+01	1.335E+00
4.300E+04	5.462E-02	4.666E+03	1.524E+02	3.190E+01	8.486E+00	5.219E+01	3.716E+01	1.343E+00
4.400E+04	5.293E-02	4.796E+03	1.536E+02	3.253E+01	8.553E+00	4.994E+01	3.556E+01	1.353E+00
4.500E+04	5.136E-02	4.919E+03	1.548E+02	3.315E+01	8.614E+00	4.787E+01	3.392E+01	1.364E+00
4.600E+04	4.990E-02	5.033E+03	1.558E+02	3.375E+01	8.669E+00	4.596E+01	3.241E+01	1.373E+00
4.700E+04	4.854E-02	5.142E+03	1.566E+02	3.432E+01	8.718E+00	4.439E+01	3.12CE+01	1.381E+00
4.800E+04	4.726E-02	5.250E+03	1.576E+02	3.484E+01	8.763E+00	4.328E+01	3.037E+01	1.387E+00
4.900E+04	4.606E-02	5.356E+03	1.587E+02	3.532E+01	8.805E+00	4.272E+01	2.999E+01	1.388E+00
5.000E+04	4.492E-02	5.461E+03	1.595E+02	3.573E+01	8.843E+00	4.275E+01	3.009E+01	1.386E+00
	4.386E-02	5.567E+03	1.604E+02	3.610E+01	8.881E+00	4.336E+01	3.066E+01	1.381E+00

P/F0 = 5.00E+01

T	RHC/RMC-0	H/RTO	S/R	A/A ₀	L	CP/R	CV/R	GAMMA
5.000E+02	3.333E+01	-3.314E+00	2.444E+01	1.242E+00	1.217E+00	2.001E+01	1.593E+01	1.192E+00
6.000E+02	2.206E+01	2.944E+01	2.905E+01	1.533E+00	2.704E+01	2.029E+01	1.212E+00	
7.000E+02	1.804E+01	8.902E+00	3.279E+01	1.837E+00	1.806E+00	1.927E+01	1.423E+01	1.250E+00
8.000E+02	1.316E+01	1.206E+01	3.481E+01	2.072E+00	1.927E+00	1.175E+01	8.67CE+00	1.311E+00
9.000E+02	1.144E+01	1.510E+01	3.666E+01	2.252E+00	1.969E+00	8.960E+00	6.557E+00	1.340E+00
1.000E+03	1.021E+01	1.718E+01	3.869E+01	2.395E+00	1.985E+00	8.088E+00	5.896E+00	1.359E+00
1.100E+03	9.253E+02	1.913E+01	3.751E+01	2.518E+00	1.992E+00	7.799E+00	5.715E+00	1.359E+00
1.200E+03	8.669E+00	2.105E+01	3.833E+01	2.627E+00	1.995E+00	7.745E+00	5.700E+00	1.358E+00
1.300E+03	7.811E+00	2.293E+01	3.893E+01	2.733E+00	1.997F+00	7.773E+00	5.747E+00	1.351E+00
1.400E+03	7.249E+00	2.489E+01	3.953E+01	2.828E+00	1.998E+00	7.834E+00	5.810E+00	1.345E+00
1.500E+03	6.764E+00	2.686E+01	4.007E+01	2.922E+00	1.999E+00	7.948E+00	5.898E+00	1.340E+00
1.600E+03	6.340E+00	2.880E+01	4.059E+01	3.013E+00	1.999E+00	7.988E+00	5.980E+00	1.335E+00
1.700E+03	5.966E+00	3.079E+01	4.108E+01	3.100E+00	1.999E+00	8.049E+00	6.044E+00	1.330E+00
1.800E+03	5.634E+00	3.280E+01	4.154E+01	3.184E+00	1.999E+00	8.154E+00	6.149E+00	1.326E+00
1.900E+03	5.337E+00	3.483E+01	4.198E+01	3.266E+00	2.000E+00	8.244E+00	6.238E+00	1.321E+00
2.000E+03	5.07CE+00	3.686E+01	4.242E+01	3.345E+00	2.000E+00	8.346E+00	6.337E+00	1.316E+00
2.100E+03	4.826E+00	3.896E+01	4.283E+01	3.422E+00	2.000E+00	8.461E+00	6.449E+00	1.312E+00
2.200E+03	4.608E+00	4.104E+01	4.323E+01	3.494E+00	2.000E+00	8.633E+00	6.584E+00	1.304E+00
2.300E+03	4.406E+00	4.323E+01	4.362E+01	3.566E+00	2.001E+00	8.780E+00	6.750E+00	1.290E+00
2.400E+03	4.221E+00	4.544E+01	4.400E+01	3.634E+00	2.002E+00	9.003E+00	6.957E+00	1.293E+00
2.500E+03	4.050E+00	4.771E+01	4.437E+01	3.699E+00	2.003E+00	9.245E+00	7.215E+00	1.286E+00
2.600E+03	3.891E+00	5.005E+01	4.473E+01	3.762E+00	2.004E+00	9.537E+00	7.534E+00	1.278E+00
2.700E+03	3.742E+00	5.250E+01	4.512E+01	3.823E+00	2.007E+00	1.007E+01	7.924E+00	1.269E+00
2.800E+03	3.603E+00	5.507E+01	4.553E+01	3.881E+00	2.010E+00	1.061E+01	8.400E+00	1.259E+00
2.900E+03	3.472E+00	5.778E+01	4.593E+01	3.939E+00	2.014E+00	1.125E+01	8.955E+00	1.250E+00
3.000E+03	3.346E+00	6.046E+01	4.629E+01	3.997E+00	2.019E+00	1.201E+01	9.630E+00	1.241E+00
3.100E+03	3.229E+00	6.375E+01	4.670E+01	4.056E+00	2.026E+00	1.290E+01	1.04CE+01	1.232E+00
3.200E+03	3.115E+00	6.708E+01	4.713E+01	4.116E+00	2.034E+00	1.393E+01	1.120E+01	1.220E+00
3.300E+03	3.006E+00	7.007E+01	4.756E+01	4.176E+00	2.046E+00	1.510E+01	1.227E+01	1.217E+00
3.400E+03	2.900E+00	7.458E+01	4.805E+01	4.242E+00	2.057E+00	1.641E+01	1.337E+01	1.211E+00
3.500E+03	2.797E+00	7.883E+01	4.855E+01	4.312E+00	2.072E+00	1.788E+01	1.450E+01	1.206E+00
3.600E+03	2.656E+00	8.355E+01	4.908E+01	4.382E+00	2.089E+00	1.908E+01	1.588E+01	1.201E+00
3.700E+03	2.558E+00	8.849E+01	4.964E+01	4.458E+00	2.109E+00	2.123E+01	1.720E+01	1.198E+00
3.800E+03	2.502E+00	9.398E+01	5.024E+01	4.539E+00	2.133E+00	2.310E+01	1.875E+01	1.196E+00
3.900E+03	2.470E+00	9.964E+01	5.087E+01	4.624E+00	2.160E+00	2.508E+01	2.027E+01	1.194E+00
4.000E+03	2.414E+00	1.044E+02	5.133E+01	4.711E+00	2.190E+00	2.715E+01	2.183E+01	1.193E+00
4.100E+03	2.223E+00	1.134E+02	5.223E+01	4.809E+00	2.225E+00	2.927E+01	2.34CE+01	1.193E+00
4.200E+03	2.134E+00	1.209E+02	5.296E+01	4.910E+00	2.262E+00	3.142E+01	2.495E+01	1.194E+00
4.300E+03	2.047E+00	1.269E+02	5.373E+01	5.016E+00	2.304E+00	3.356E+01	2.644E+01	1.195E+00
4.400E+03	1.992E+00	1.375E+02	5.431E+01	5.122E+00	2.349E+00	3.562E+01	2.795E+01	1.194E+00
4.500E+03	1.879E+00	1.466E+02	5.535E+01	5.242E+00	2.398E+00	3.757E+01	2.914E+01	1.198E+00
4.600E+03	1.800E+00	1.560E+02	5.622E+01	5.363E+00	2.449E+00	3.933E+01	3.027E+01	1.2C1E+00
4.700E+03	1.723E+00	1.659E+02	5.704E+01	5.488E+00	2.504E+00	4.086E+01	3.121E+01	1.2C0E+00
4.800E+03	1.659E+00	1.747E+02	5.816E+01	5.600E+00	2.560E+00	4.211E+01	3.193E+01	1.2C7E+00

TABLE I.- Continued

T	RHO/RHO-0	N/RT0	S/R	A/A0	L	CP/R	CV/R	GAMMA
4.900E+03	1.590E+00	1.866E+02	5.882E+01	5.747E+00	2.619E+00	4.302E+01	3.240E+01	1.211E+00
5.000E+03	1.514E+00	1.973E+02	5.969E+01	5.881E+00	2.678E+00	4.356E+01	3.242E+01	1.213E+00
5.200E+03	1.394E+00	2.188E+02	6.140E+01	6.152E+00	2.797E+00	4.351E+01	3.229E+01	1.224E+00
5.400E+03	1.290E+00	2.399E+02	6.302E+01	6.422E+00	2.912E+00	4.277E+01	3.103E+01	1.234E+00
5.600E+03	1.200E+00	2.600E+02	6.451E+01	6.685E+00	3.018E+00	3.943E+01	2.918E+01	1.244E+00
5.800E+03	1.123E+00	2.788E+02	6.585E+01	6.937E+00	3.113E+00	3.671E+01	2.704E+01	1.254E+00
6.000E+03	1.057E+00	2.982E+02	6.704E+01	7.173E+00	3.196E+00	3.304E+01	2.498E+01	1.262E+00
6.200E+03	1.001E+00	3.122E+02	6.810E+01	7.391E+00	3.267E+00	3.140E+01	2.326E+01	1.270E+00
6.400E+03	9.519E-01	3.271E+02	6.947E+01	7.590E+00	3.328E+00	2.959E+01	2.203E+01	1.272E+00
6.600E+03	9.086E-01	3.414E+02	6.996E+01	7.777E+00	3.381E+00	2.647E+01	2.133E+01	1.273E+00
6.800E+03	8.648E-01	3.552E+02	7.080E+01	7.935E+00	3.428E+00	2.800E+01	2.112E+01	1.274E+00
7.000E+03	8.345E-01	3.690E+02	7.161E+01	8.088E+00	3.471E+00	2.807E+01	2.132E+01	1.266E+00
7.200E+03	8.019E-01	3.849E+02	7.240E+01	8.235E+00	3.512E+00	2.855E+01	2.182E+01	1.262E+00
7.400E+03	7.716E-01	3.972E+02	7.319E+01	8.379E+00	3.551E+00	2.928E+01	2.249E+01	1.257E+00
7.600E+03	7.435E-01	4.118E+02	7.399E+01	8.526E+00	3.590E+00	3.009E+01	2.321E+01	1.253E+00
7.800E+03	7.165E-01	4.268E+02	7.478E+01	8.676E+00	3.628E+00	3.084E+01	2.383E+01	1.251E+00
8.000E+03	6.914E-01	4.421E+02	7.556E+01	8.831E+00	3.666E+00	3.135E+01	2.425E+01	1.251E+00
8.200E+03	6.677E-01	4.576E+02	7.634E+01	8.991E+00	3.704E+00	3.152E+01	2.436E+01	1.252E+00
8.400E+03	6.454E-01	4.731E+02	7.71CE+01	9.157E+00	3.760E+00	3.127E+01	2.412E+01	1.254E+00
8.600E+03	6.245E-01	4.884E+02	7.782E+01	9.329E+00	3.775E+00	3.057E+01	2.351E+01	1.261E+00
8.800E+03	6.051E-01	5.032E+02	7.852E+01	9.506E+00	3.808E+00	2.947E+01	2.256E+01	1.268E+00
9.000E+03	5.87CE-01	5.174E+02	7.914E+01	9.687E+00	3.838E+00	2.805E+01	2.136E+01	1.278E+00
9.200E+03	5.702E-01	5.304E+02	7.974E+01	9.871E+00	3.866E+00	2.645E+01	2.002E+01	1.286E+00
9.400E+03	5.546E-01	5.434E+02	8.031E+01	1.006E+01	3.890E+00	2.491E+01	1.884E+01	1.301E+00
9.600E+03	5.401E-01	5.553E+02	8.082E+01	1.024E+01	3.911E+00	2.325E+01	1.734E+01	1.314E+00
9.800E+03	5.266E-01	5.664E+02	8.128E+01	1.042E+01	3.929E+00	2.185E+01	1.617E+01	1.327E+00
1.000E+04	5.140E-01	5.768E+02	8.171E+01	1.060E+01	3.945E+00	2.067E+01	1.519E+01	1.339E+00
1.100E+04	4.607E-01	6.237E+02	8.352E+01	1.130E+01	4.001E+00	1.828E+01	1.326E+01	1.365E+00
1.200E+04	4.176E-01	6.704E+02	8.517E+01	1.1-E01	4.047E+00	2.011E+01	1.486E+01	1.339E+00
1.300E+04	3.801E-01	7.249E+02	8.694E+01	1.215E+01	4.104E+00	2.445E+01	1.854E+01	1.311E+00
1.400E+04	3.401E-01	7.927E+02	8.897E+01	1.257E+01	4.184E+00	3.084E+01	2.372E+01	1.270E+00
1.500E+04	3.146E-01	8.783E+02	9.137E+01	1.308E+01	4.297E+00	3.893E+01	3.012E+01	1.248E+00
1.600E+04	2.849E-01	9.656E+02	9.417E+01	1.367E+01	4.448E+00	4.845E+01	3.730E+01	1.244E+00
1.700E+04	2.570E-01	1.118E+03	9.72E+01	1.434E+01	4.611F+00	5.879E+01	4.489E+01	1.227E+00
1.800E+04	2.310E-01	1.271E+03	1.011E+02	1.511E+01	4.778E+00	6.901E+01	5.195E+01	1.224E+00
1.900E+04	2.071E-01	1.457E+03	1.050E+02	1.596E+01	5.153E+00	7.783E+01	5.776E+01	1.226E+00
2.000E+04	1.857E-01	1.657E+03	1.092E+02	1.644E+01	5.457E+00	8.391E+01	6.124E+01	1.229E+00
2.100E+04	1.672E-01	1.867E+03	1.134E+02	1.706E+01	5.776E+00	8.627E+01	6.214E+01	1.237E+00
2.200E+04	1.513E-01	2.078E+03	1.174E+02	1.848E+01	6.092E+00	8.466E+01	6.034E+01	1.249E+00
2.300E+04	1.380E-01	2.281E+03	1.210E+02	1.987E+01	6.390E+00	7.971E+01	5.634E+01	1.244E+00
2.400E+04	1.265E-01	2.469E+03	1.243E+02	2.088E+01	6.657E+00	7.265E+01	5.099E+01	1.233E+00
2.500E+04	1.177E-01	2.639E+03	1.271E+02	2.146E+01	6.889E+00	6.444E+01	4.519E+01	1.3C5E+00
2.600E+04	1.101E-01	2.787E+03	1.295E+02	2.208E+01	7.083E+00	5.730E+01	3.968E+01	1.328E+00
2.700E+04	1.037E-01	2.922E+03	1.315E+02	2.371E+01	7.233E+00	5.092E+01	3.496E+01	1.332E+00
2.800E+04	9.820E-02	3.041E+03	1.332E+02	2.455E+01	7.375E+00	4.583E+01	3.126E+01	1.376E+00
2.900E+04	9.344E-02	3.149E+03	1.348E+02	2.532E+01	7.483E+00	4.219E+01	2.866E+01	1.350E+00
3.000E+04	8.924E-02	3.250E+03	1.362E+02	2.599E+01	7.576E+00	3.998E+01	2.716E+01	1.399E+00
3.100E+04	8.546E-02	3.347E+03	1.375E+02	2.656E+01	7.659E+00	3.912E+01	2.670E+01	1.359E+00
3.200E+04	8.202E-02	3.444E+03	1.387E+02	2.703E+01	7.726E+00	3.948E+01	2.720E+01	1.390E+00
3.300E+04	7.884E-02	3.543E+03	1.399E+02	2.764E+01	7.794E+00	4.040E+01	2.651E+01	1.317E+00
3.400E+04	7.568E-02	3.646E+03	1.412E+02	2.827E+01	7.862E+00	4.313E+01	3.046E+01	1.382E+00
3.500E+04	7.304E-02	3.756E+03	1.425E+02	2.820E+01	7.932E+00	4.591E+01	3.272E+01	1.347E+00
3.600E+04	7.036E-02	3.873E+03	1.438E+02	2.881E+01	8.005E+00	4.880E+01	3.505E+01	1.336E+00
3.700E+04	6.781E-02	3.994E+03	1.452E+02	2.906E+01	8.082E+00	5.130E+01	3.708E+01	1.328E+00
3.800E+04	6.538E-02	4.125E+03	1.466E+02	2.955E+01	8.162E+00	5.331E+01	3.855E+01	1.325E+00
3.900E+04	6.308E-02	4.250E+03	1.480E+02	3.009E+01	8.242E+00	5.634E+01	3.928E+01	1.325E+00
4.000E+04	6.091E-02	4.393E+03	1.494E+02	3.066E+01	8.322E+00	5.940E+01	3.940E+01	1.328E+00
4.100E+04	5.888E-02	4.532E+03	1.517E+02	3.125E+01	8.399E+00	5.938E+01	3.951E+01	1.334E+00
4.200E+04	5.699E-02	4.656E+03	1.532E+02	3.187E+01	8.472E+00	5.267E+01	3.727E+01	1.343E+00
4.300E+04	5.522E-02	4.782E+03	1.553E+02	3.249E+01	8.550E+00	5.017E+01	3.573E+01	1.332E+00
4.400E+04	5.358E-02	4.904E+03	1.564E+02	3.311E+01	8.610E+00	4.813E+01	3.410E+01	1.333E+00
4.500E+04	5.202E-02	5.020E+03	1.554E+02	3.371E+01	8.657E+00	4.622E+01	3.260E+01	1.312E+00
4.600E+04	5.063E-02	5.132E+03	1.564E+02	3.428E+01	8.717E+00	4.461E+01	3.135E+01	1.301E+00
4.700E+04	4.929E-02	5.240E+03	1.573E+02	3.482E+01	8.753E+00	4.344E+01	3.047E+01	1.306E+00
4.800E+04	4.805E-02	5.346E+03	1.582E+02	3.530E+01	8.795E+00	4.280E+01	3.003E+01	1.308E+00
4.900E+04	4.684E-02	5.452E+03	1.591E+02	3.573E+01	8.834E+00	4.214E+01	3.005E+01	1.307E+00
5.000E+04	4.571E-02	5.556E+03	1.600E+02	3.610E+01	8.872E+00	4.325E+01	3.059E+01	1.302E+00

P/P0 = 6.00E+01

T	RHO/RHO-0	N/RT0	S/R	A/A0	L	CP/R	CV/R	GAMMA
5.000E+02	4.060E+01	-3.588E+00	2.400E+01	1.233E+00	1.195E+00	1.930E+01	1.503E+01	1.194E+00
6.000E+02	2.708E+01	2.401E+00	2.891E+01	1.521E+00	1.499E+00	2.710E+01	1.099E+01	1.211E+00
7.000E+02	1.954E+01	8.467E+01	3.221E+01	1.820E+00	1.779E+00	2.027E+01	1.491E+01	1.231E+00
8.000E+02	1.585E+01	1.2339E+01	3.435E+01	2.008E+00	1.914E+00	1.243E+01	9.169E+00	1.304E+00
9.000E+02	1.377E+01	1.500E+01	3.560E+01	2.249E+00	1.966E+00	9.235E+00	6.777E+00	1.342E+00
1.000E+03	1.227E+01	1.713E+01	3.651E+01	2.391E+00	1.983E+00	8.194E+00	5.990E+00	1.357E+00
1.100E+03	1.111E+01	1.910E+01	3.720E+01	2.516E+00	1.991E+00	7.650E+00	5.759E+00	1.358E+00
1.200E+03	1.017E+01	2.103E+01	3.794E+01	2.626E+00	1.994E+00	7.275E+00	5.722E+00	1.355E+00

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE I. - Continued

T	RHU/RHO-J	H/HFO	S/R	A/AU	L	CP/R	CV/R	GAMMA
1.300E+03	9.376E+00	2.295E+01	3.858E+01	2.729E+00	1.998E+00	2.790E+00	5.759E+00	1.350E+00
1.400E+03	8.701E+00	2.488E+01	3.916E+01	2.828E+00	1.998E+00	2.844E+00	5.825E+00	1.345E+00
1.500E+03	8.118E+00	2.683E+01	3.971E+01	2.922E+00	1.998E+00	2.914E+00	5.902E+00	1.340E+00
1.600E+03	7.645E+00	2.880E+01	4.022E+01	3.012E+00	1.998E+00	2.991E+00	5.982E+00	1.335E+00
1.700E+03	7.160E+00	3.079E+01	4.071E+01	3.100E+00	1.998E+00	3.071E+00	6.065E+00	1.330E+00
1.800E+03	6.782E+00	3.280E+01	4.118E+01	3.184E+00	1.998E+00	3.154E+00	6.148E+00	1.325E+00
1.900E+03	6.405E+00	3.483E+01	4.162E+01	3.266E+00	1.998E+00	3.228E+00	6.233E+00	1.321E+00
2.000E+03	6.084E+00	3.688E+01	4.205E+01	3.346E+00	2.000E+00	3.339E+00	6.331E+00	1.315E+00
2.100E+03	5.794E+00	3.896E+01	4.246E+01	3.422E+00	2.000E+00	3.451E+00	6.444E+00	1.310E+00
2.200E+03	5.530E+00	4.107E+01	4.286E+01	3.498E+00	2.000E+00	3.585E+00	6.564E+00	1.307E+00
2.300E+03	5.288E+00	4.322E+01	4.325E+01	3.567E+00	2.001E+00	3.752E+00	6.724E+00	1.301E+00
2.400E+03	5.066E+00	4.542E+01	4.363E+01	3.638E+00	2.001E+00	3.959E+00	6.917E+00	1.295E+00
2.500E+03	4.861E+00	4.767E+01	4.400E+01	3.701E+00	2.003E+00	4.220E+00	7.154E+00	1.287E+00
2.600E+03	4.670E+00	5.000E+01	4.432E+01	3.765E+00	2.004E+00	4.546E+00	7.451E+00	1.280E+00
2.700E+03	4.492E+00	5.242E+01	4.475E+01	3.826E+00	2.006E+00	4.947E+00	7.812E+00	1.271E+00
2.800E+03	4.326E+00	5.495E+01	4.512E+01	3.889E+00	2.009E+00	5.404E+01	8.249E+00	1.262E+00
2.900E+03	4.169E+00	5.761E+01	4.590E+01	3.943E+00	2.013E+00	5.749E+00	8.739E+00	1.253E+00
3.000E+03	4.021E+00	6.043E+01	4.589E+01	4.001E+00	2.017E+00	6.172E+01	9.379E+00	1.244E+00
3.100E+03	3.878E+00	6.344E+01	4.629E+01	4.059E+00	2.023E+00	6.294E+01	1.009E+01	1.236E+00
3.200E+03	3.744E+00	6.667E+01	4.671E+01	4.119E+00	2.031E+00	6.346E+01	1.089E+01	1.228E+00
3.300E+03	3.614E+00	7.015E+01	4.714E+01	4.180E+00	2.040E+00	6.455E+01	1.180E+01	1.221E+00
3.400E+03	3.498E+00	7.390E+01	4.760E+01	4.246E+00	2.052E+00	6.576E+01	1.282E+01	1.214E+00
3.500E+03	3.366E+00	7.758E+01	4.808E+01	4.310E+00	2.065E+00	6.710E+01	1.393E+01	1.209E+00
3.600E+03	3.248E+00	8.240E+01	4.858E+01	4.380E+00	2.081E+00	6.858E+01	1.513E+01	1.205E+00
3.700E+03	3.132E+00	8.720E+01	4.912E+01	4.454E+00	2.100E+00	7.018E+01	1.662E+01	1.201E+00
3.800E+03	3.018E+00	9.241E+01	4.968E+01	4.532E+00	2.122E+00	7.191E+01	1.778E+01	1.198E+00
3.900E+03	2.907E+00	9.806E+01	5.028E+01	4.614E+00	2.146E+00	7.374E+01	1.920E+01	1.197E+00
4.000E+03	2.798E+00	1.042E+02	5.081E+01	4.671E+00	2.174E+00	7.566E+01	2.085E+01	1.195E+00
4.100E+03	2.691E+00	1.108E+02	5.157E+01	4.739E+00	2.206E+00	7.746E+01	2.213E+01	1.195E+00
4.200E+03	2.586E+00	1.178E+02	5.226E+01	4.800E+00	2.240E+00	7.967E+01	2.360E+01	1.195E+00
4.300E+03	2.483E+00	1.252E+02	5.295E+01	4.991E+00	2.279E+00	8.196E+01	2.504E+01	1.196E+00
4.400E+03	2.383E+00	1.335E+02	5.374E+01	5.098E+00	2.320E+00	8.436E+01	2.662E+01	1.198E+00
4.500E+03	2.286E+00	1.421E+02	5.452E+01	5.210E+00	2.366E+00	8.595E+01	2.770E+01	1.199E+00
4.600E+03	2.191E+00	1.511E+02	5.532E+01	5.324E+00	2.414E+00	8.737E+01	2.885E+01	1.202E+00
4.700E+03	2.100E+00	1.605E+02	5.615E+01	5.446E+00	2.465E+00	8.876E+01	2.986E+01	1.204E+00
4.800E+03	2.013E+00	1.703E+02	5.698E+01	5.570E+00	2.518E+00	9.033E+01	3.067E+01	1.207E+00
4.900E+03	1.930E+00	1.804E+02	5.773E+01	5.698E+00	2.574E+00	9.142E+01	3.129E+01	1.211E+00
5.000E+03	1.850E+00	1.907E+02	5.846E+01	5.828E+00	2.630E+00	9.220E+01	3.167E+01	1.215E+00
5.200E+03	1.704E+00	2.117E+02	6.034E+01	6.093E+00	2.746E+00	9.474E+01	3.175E+01	1.223E+00
5.400E+03	1.576E+00	2.326E+02	6.194E+01	6.360E+00	2.866E+00	9.664E+01	3.096E+01	1.232E+00
5.600E+03	1.466E+00	2.528E+02	6.344E+01	6.622E+00	2.987E+00	9.809E+01	3.096E+01	1.242E+00
5.800E+03	1.369E+00	2.719E+02	6.480E+01	6.876E+00	3.065E+00	9.958E+01	3.075E+01	1.251E+00
6.000E+03	1.270E+00	2.897E+02	6.603E+01	7.117E+00	3.152E+00	10.104E+01	3.064E+01	1.260E+00
6.200E+03	1.121E+00	3.083E+02	6.713E+01	7.341E+00	3.220E+00	10.243E+01	3.039E+01	1.267E+00
6.400E+03	1.051E+00	3.271E+02	6.842E+01	7.547E+00	3.293E+00	10.347E+01	3.047E+01	1.271E+00
6.600E+03	9.910E+00	3.463E+02	6.930E+01	7.735E+00	3.350E+00	10.411E+01	2.911E+01	1.273E+00
6.800E+03	9.349E+00	3.654E+02	7.042E+01	7.894E+00	3.400E+00	10.447E+01	2.837E+01	1.272E+00
7.000E+03	8.806E+00	3.845E+02	7.164E+01	7.931E+00	3.445E+00	10.481E+01	2.817E+01	1.268E+00
7.200E+03	8.322E+00	4.037E+02	7.285E+01	7.973E+00	3.487E+00	10.500E+01	2.780E+01	1.265E+00
7.400E+03	7.977E+00	4.228E+02	7.406E+01	8.014E+00	3.527E+00	10.510E+01	2.744E+01	1.260E+00
7.600E+03	7.633E+00	4.421E+02	7.526E+01	8.058E+00	3.567E+00	10.514E+01	2.708E+01	1.254E+00
7.800E+03	7.335E+00	4.621E+02	7.640E+01	8.111E+00	3.605E+00	10.513E+01	2.638E+01	1.253E+00
8.000E+03	7.064E+00	4.836E+02	7.746E+01	8.181E+00	3.663E+00	10.509E+01	2.594E+01	1.254E+00
8.200E+03	6.822E+00	5.052E+02	7.853E+01	8.260E+00	3.720E+00	10.501E+01	2.540E+01	1.254E+00
8.400E+03	6.602E+00	5.270E+02	7.964E+01	8.340E+00	3.780E+00	10.493E+01	2.480E+01	1.254E+00
8.600E+03	6.407E+00	5.487E+02	8.074E+01	8.420E+00	3.837E+00	10.484E+01	2.417E+01	1.254E+00
8.800E+03	6.231E+00	5.706E+02	8.187E+01	8.500E+00	3.897E+00	10.474E+01	2.357E+01	1.254E+00
9.000E+03	6.070E+00	5.926E+02	8.300E+01	8.580E+00	3.957E+00	10.464E+01	2.297E+01	1.254E+00
9.200E+03	5.921E+00	6.146E+02	8.413E+01	8.658E+00	4.016E+00	10.454E+01	2.237E+01	1.254E+00
9.400E+03	5.783E+00	6.364E+02	8.526E+01	8.737E+00	4.075E+00	10.444E+01	2.177E+01	1.254E+00
9.600E+03	5.654E+00	6.581E+02	8.638E+01	8.816E+00	4.134E+00	10.434E+01	2.117E+01	1.254E+00
9.800E+03	5.534E+00	6.800E+02	8.750E+01	8.894E+00	4.193E+00	10.424E+01	2.057E+01	1.254E+00
1.000E+04	5.421E+00	6.919E+02	8.863E+01	8.973E+00	4.252E+00	10.414E+01	2.000E+01	1.254E+00
1.100E+04	5.321E+00	7.038E+02	8.976E+01	9.052E+00	4.311E+00	10.404E+01	1.943E+01	1.245E+00
1.200E+04	5.221E+00	7.150E+02	9.089E+01	9.131E+00	4.370E+00	10.394E+01	1.886E+01	1.235E+00
1.300E+04	5.121E+00	7.264E+02	9.200E+01	9.208E+00	4.429E+00	10.384E+01	1.829E+01	1.225E+00
1.400E+04	5.021E+00	7.376E+02	9.313E+01	9.285E+00	4.488E+00	10.374E+01	1.772E+01	1.215E+00
1.500E+04	4.921E+00	7.488E+02	9.426E+01	9.362E+00	4.547E+00	10.364E+01	1.715E+01	1.205E+00
1.600E+04	4.821E+00	7.600E+02	9.539E+01	9.439E+00	4.606E+00	10.354E+01	1.658E+01	1.195E+00
1.700E+04	4.721E+00	7.712E+02	9.652E+01	9.516E+00	4.665E+00	10.344E+01	1.601E+01	1.185E+00
1.800E+04	4.621E+00	7.824E+02	9.765E+01	9.593E+00	4.724E+00	10.334E+01	1.544E+01	1.175E+00
1.900E+04	4.521E+00	7.936E+02	9.878E+01	9.670E+00	4.783E+00	10.324E+01	1.486E+01	1.165E+00
2.000E+04	4.421E+00	8.048E+02	9.990E+01	9.748E+00	4.842E+00	10.314E+01	1.428E+01	1.155E+00
2.100E+04	4.321E+00	8.160E+02	1.011E+02	9.825E+00	4.901E+00	10.304E+01	1.370E+01	1.145E+00
2.200E+04	4.221E+00	8.272E+02	1.023E+02	9.902E+00	4.960E+00	10.294E+01	1.312E+01	1.135E+00
2.300E+04	4.121E+00	8.384E+02	1.035E+02	9.979E+00	5.019E+00	10.284E+01	1.253E+01	1.125E+00
2.400E+04	4.021E+00	8.496E+02	1.047E+02	1.005E+01	5.078E+00	10.274E+01	1.195E+01	1.115E+00
2.500E+04	3.921E+00	8.608E+02	1.059E+02	1.013E+01	5.137E+00	10.264E+01	1.137E+01	1.105E+00
2.600E+04	3.821E+00	8.720E+02	1.071E+02	1.021E+01	5.196E+00	10.254E+01	1.079E+01	1.095E+00
2.700E+04	3.721E+00	8.832E+02	1.083E+02	1.029E+01	5.255E+00	10.244E+01	1.021E+01	1.085E+00
2.800E+04	3.621E+00	8.944E+02	1.095E+02	1.037E+01	5.314E+00	10.234E+01	9.632E+00	1.075E+00
2.900E+04	3.521E+00	9.056E+02	1.107E+02	1.045E+01	5.373E+00	10.224E+01	9.050E+00	1.065E+00
3.000E+04	3.421E+00	9.168E+02	1.119E+02	1.053E+01	5.432E+00	10.214E+01	8.468E+00	1.055E+00
3.100E+04	3.321E+00	9.280E+02	1.131E+02	1.061E+01	5.491E+00	10.204E+01	7.886E+00	1.04

TABLE I.- Continued

T	RHO/RHO-0	H/RTD	S/P	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	8.133E-02	3.717E+03	1.406E+02	2.810E+01	7.671E+00	4.438E+01	3.136E+01	1.336E+00
3.600E+04	8.510E-02	3.829E+03	1.419E+02	2.858E+01	7.943E+00	4.704E+01	3.353E+01	1.344E+00
3.700E+04	8.202E-02	3.949E+03	1.432E+02	2.901E+01	8.018E+00	4.944E+01	3.560E+01	1.353E+00
3.800E+04	7.910E-02	4.074E+03	1.446E+02	2.946E+01	8.095E+00	5.181E+01	3.720E+01	1.329E+00
3.900E+04	7.632E-02	4.203E+03	1.459E+02	2.999E+01	8.175E+00	5.328E+01	3.837E+01	1.327E+00
4.000E+04	7.370E-02	4.336E+03	1.473E+02	3.054E+01	8.254E+00	5.388E+01	3.877E+01	1.329E+00
4.100E+04	7.123E-02	4.468E+03	1.486E+02	3.111E+01	8.333E+00	5.381E+01	3.840E+01	1.332E+00
4.200E+04	6.891E-02	4.599E+03	1.499E+02	3.171E+01	8.407E+00	5.259E+01	3.761E+01	1.346E+00
4.300E+04	6.675E-02	4.727E+03	1.511E+02	3.232E+01	8.478E+00	5.104E+01	3.634E+01	1.346E+00
4.400E+04	6.474E-02	4.851E+03	1.523E+02	3.294E+01	8.543E+00	4.921E+01	3.488E+01	1.358E+00
4.500E+04	6.286E-02	4.970E+03	1.533E+02	3.354E+01	8.602E+00	4.734E+01	3.339E+01	1.360E+00
4.600E+04	6.111E-02	5.084E+03	1.544E+02	3.413E+01	8.656E+00	4.563E+01	3.206E+01	1.374E+00
4.700E+04	5.947E-02	5.195E+03	1.555E+02	3.469E+01	8.705E+00	4.425E+01	3.101E+01	1.383E+00
4.800E+04	5.794E-02	5.303E+03	1.563E+02	3.520E+01	8.750E+00	4.331E+01	3.031E+01	1.384E+00
4.900E+04	5.648E-02	5.409E+03	1.571E+02	3.586E+01	8.792E+00	4.226E+01	3.003E+01	1.389E+00
5.000E+04	5.511E-02	5.515E+03	1.580E+02	3.607E+01	8.831E+00	4.296E+01	3.018E+01	1.386E+00

P/PU = 7.00E+01

T	RHO/RHO-0	H/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	4.793E+01	-3.804E+00	2.364E+01	1.227E+00	1.184E+00	1.039E+01	1.431E+01	1.155E+00
6.000E+02	3.219E+01	1.952E+00	2.788E+01	1.504E+00	1.470E+00	2.664E+01	1.958E+01	1.210E+00
7.000E+02	2.311E+01	8.073E+00	3.171E+01	1.805E+00	1.755E+00	2.1C5E+01	1.544E+01	1.204E+00
8.000E+02	1.866E+01	1.219E+01	3.355E+01	2.050E+00	1.902E+00	1.305E+01	9.622E+00	1.295E+00
9.000E+02	1.611E+01	1.499E+01	3.526E+01	2.239E+00	1.954E+00	9.540E+00	6.988E+00	1.338E+00
1.000E+03	1.434E+01	1.708E+01	3.619E+01	2.388E+00	1.980E+00	8.321E+00	6.083E+00	1.355E+00
1.100E+03	1.292E+01	1.908E+01	3.656E+01	2.513E+00	1.989E+00	7.918E+00	5.801E+00	1.357E+00
1.200E+03	1.187E+01	2.101E+01	3.764E+01	2.625E+00	1.993E+00	7.600E+00	5.764E+00	1.355E+00
1.300E+03	1.094E+01	2.294E+01	3.822E+01	2.729E+00	1.996E+00	7.807E+00	5.771E+00	1.350E+00
1.400E+03	1.015E+01	2.488E+01	3.885E+01	2.827E+00	1.997E+00	7.854E+00	5.831E+00	1.345E+00
1.500E+03	9.473E+00	2.683E+01	3.940E+01	2.921E+00	1.998E+00	7.921E+00	5.904E+00	1.340E+00
1.600E+03	8.878E+00	2.860E+01	3.994E+01	3.012E+00	1.998E+00	7.995E+00	5.985E+00	1.335E+00
1.700E+03	8.355E+00	3.078E+01	4.040E+01	3.100E+00	1.999E+00	8.074E+00	6.046E+00	1.330E+00
1.800E+03	7.889E+00	3.279E+01	4.087E+01	3.184E+00	1.999E+00	8.155E+00	6.148E+00	1.326E+00
1.900E+03	7.473E+00	3.482E+01	4.131E+01	3.266E+00	1.999E+00	8.241E+00	6.234E+00	1.321E+00
2.000E+03	7.099E+00	3.684E+01	4.174E+01	3.336E+00	2.000E+00	8.335E+00	6.327E+00	1.317E+00
2.100E+03	6.760E+00	3.885E+01	4.215E+01	3.422E+00	2.000E+00	8.433E+00	6.432E+00	1.312E+00
2.200E+03	6.452E+00	4.106E+01	4.255E+01	3.497E+00	2.000E+00	8.527E+00	6.559E+00	1.307E+00
2.300E+03	6.172E+00	4.321E+01	3.560E+01	3.560E+00	2.001E+00	8.729E+00	6.703E+00	1.302E+00
2.400E+03	5.911E+00	4.540E+01	3.632E+01	3.637E+00	2.001E+00	8.925E+00	6.806E+00	1.295E+00
2.500E+03	5.671E+00	4.761E+01	3.679E+01	3.703E+00	2.002E+00	9.170E+00	7.110E+00	1.269E+00
2.600E+03	5.449E+00	4.995E+01	4.406E+01	3.767E+00	2.004E+00	9.475E+00	7.387E+00	1.241E+00
2.700E+03	5.235E+00	5.235E+01	4.443E+01	3.828E+00	2.006E+00	9.826E+00	7.725E+00	1.213E+00
2.800E+03	5.049E+00	5.462E+01	4.480E+01	3.888E+00	2.008E+00	1.031E+01	8.131E+00	1.209E+00
2.900E+03	4.866E+00	5.746E+01	4.517E+01	3.946E+00	2.012E+00	1.085E+01	8.616E+00	1.206E+00
3.000E+03	4.694E+00	6.025E+01	4.555E+01	4.006E+00	2.016E+00	1.150E+01	9.184E+00	1.207E+00
3.100E+03	4.530E+00	6.320E+01	4.595E+01	4.063E+00	2.022E+00	1.224E+01	9.842E+00	1.239E+00
3.200E+03	4.373E+00	6.635E+01	4.635E+01	4.122E+00	2.029E+00	1.313E+01	1.059E+01	1.231E+00
3.300E+03	4.222E+00	6.973E+01	4.678E+01	4.182E+00	2.037E+00	1.413E+01	1.144E+01	1.224E+00
3.400E+03	4.077E+00	7.330E+01	4.722E+01	4.243E+00	2.046E+00	1.523E+01	1.238E+01	1.218E+00
3.500E+03	3.937E+00	7.713E+01	4.768E+01	4.310E+00	2.056E+00	1.650E+01	1.342E+01	1.212E+00
3.600E+03	3.800E+00	8.157E+01	4.817E+01	4.379E+00	2.075E+00	1.787E+01	1.454E+01	1.207E+00
3.700E+03	3.666E+00	8.619E+01	4.866E+01	4.515E+00	2.093E+00	1.937E+01	1.574E+01	1.204E+00
3.800E+03	3.533E+00	9.111E+01	4.922E+01	4.552E+00	2.113E+00	2.098E+01	1.702E+01	1.201E+00
3.900E+03	3.404E+00	9.619E+01	4.979E+01	4.607E+00	2.136E+00	2.269E+01	1.835E+01	1.199E+00
4.000E+03	3.283E+00	1.024E+01	5.039E+01	4.694E+00	2.162E+00	2.449E+01	1.972E+01	1.196E+00
4.100E+03	3.161E+00	1.087E+01	5.103E+01	4.780E+00	2.191E+00	2.636E+01	2.112E+01	1.197E+00
4.200E+03	3.046E+00	1.155E+01	5.164E+01	4.874E+00	2.222E+00	2.827E+01	2.253E+01	1.197E+00
4.300E+03	2.924E+00	1.221E+01	5.230E+01	4.973E+00	2.259E+00	3.020E+01	2.391E+01	1.198E+00
4.400E+03	2.808E+00	1.280E+01	5.301E+01	5.076E+00	2.298E+00	3.212E+01	2.525E+01	1.198E+00
4.500E+03	2.696E+00	1.336E+01	5.364E+01	5.186E+00	2.340E+00	3.398E+01	2.651E+01	1.202E+00
4.600E+03	2.587E+00	1.387E+01	5.441E+01	5.296E+00	2.386E+00	3.574E+01	2.767E+01	1.202E+00
4.700E+03	2.482E+00	1.436E+01	5.546E+01	5.413E+00	2.434E+00	3.736E+01	2.871E+01	1.205E+00
4.800E+03	2.380E+00	1.485E+01	5.620E+01	5.533E+00	2.485E+00	3.879E+01	2.958E+01	1.208E+00
4.900E+03	2.282E+00	1.533E+01	5.702E+01	5.657E+00	2.537E+00	3.999E+01	3.026E+01	1.211E+00
5.000E+03	2.191E+00	1.583E+01	5.784E+01	5.784E+00	2.592E+00	4.058E+01	3.079E+01	1.217E+00
5.200E+03	2.095E+00	2.458E+01	5.946E+01	6.049E+00	2.707E+00	4.177E+01	3.177E+01	1.222E+00
5.400E+03	1.967E+00	2.264E+01	6.106E+01	6.307E+00	2.816E+00	4.302E+01	3.296E+01	1.221E+00
5.600E+03	1.833E+00	2.066E+01	6.253E+01	6.569E+00	2.923E+00	4.425E+01	3.405E+01	1.219E+00
5.800E+03	1.711E+00	1.859E+01	6.391E+01	6.823E+00	3.023E+00	4.544E+01	3.516E+01	1.214E+00
6.000E+03	1.592E+00	1.649E+01	6.516E+01	7.066E+00	3.113E+00	3.567E+01	3.626E+01	1.206E+00
6.200E+03	1.480E+00	1.436E+01	6.628E+01	7.295E+00	3.192E+00	3.327E+01	3.446E+01	1.205E+00
6.400E+03	1.374E+00	1.216E+01	6.730E+01	7.507E+00	3.261E+00	3.124E+01	3.206E+01	1.204E+00
6.600E+03	1.271E+00	1.095E+01	6.826E+01	7.701E+00	3.321E+00	2.922E+01	2.956E+01	1.203E+00
6.800E+03	1.171E+00	9.641E+00	6.911E+01	7.879E+00	3.374E+00	2.817E+01	2.818E+01	1.202E+00
7.000E+03	1.075E+00	8.601E+00	6.993E+01	8.043E+00	3.421E+00	2.837E+01	2.731E+01	1.201E+00
7.200E+03	9.813E+00	7.741E+00	7.073E+01	8.198E+00	3.465E+00	2.881E+01	2.647E+01	1.201E+00
7.400E+03	9.049E+00	6.988E+00	7.151E+01	8.347E+00	3.516E+00	2.879E+01	2.561E+01	1.200E+00
7.600E+03	8.353E+00	6.292E+00	7.229E+01	8.494E+00	3.566E+00	2.930E+01	2.466E+01	1.200E+00
7.800E+03	7.801E+00	5.642E+00	7.301E+01	8.642E+00	3.616E+00	2.984E+01	2.365E+01	1.200E+00
8.000E+03	7.349E+00	5.071E+00	7.376E+01	8.784E+00	3.662E+00	3.032E+01	2.265E+01	1.200E+00
8.200E+03	6.979E+00	4.532E+00	7.442E+01	8.924E+00	3.701E+00	3.082E+01	2.165E+01	1.200E+00
8.400E+03	6.626E+00	4.077E+00	7.507E+01	9.065E+00	3.741E+00	3.132E+01	2.065E+01	1.200E+00
8.600E+03	6.301E+00	3.662E+00	7.573E+01	9.206E+00	3.781E+00	3.182E+01	1.965E+01	1.200E+00
8.800E+03	5.997E+00	3.302E+00	7.638E+01	9.347E+00	3.821E+00	3.232E+01	1.869E+01	1.200E+00
9.000E+0								

TABLE I.- Continued

T	R1U/R11-J	H/RTG	S/R	A/AO	Z	CP/R	CV/R	GAMMA
9.000E+03	8.299E-01	9.013E+02	7.742E+01	9.620E+00	3.801E+00	2.904E+01	2.213E+01	1.213E+00
9.200E+03	8.056E-01	9.213E+02	7.805E+01	9.798E+00	3.830E+00	2.776E+01	2.104E+01	1.242E+00
9.400E+03	7.829E-01	9.346E+02	7.863E+01	9.979E+00	3.857E+00	2.628E+01	1.901E+01	1.272E+00
9.600E+03	7.619E-01	9.472E+02	7.916E+01	1.016E+01	3.881E+00	2.517E+01	1.855E+01	1.302E+00
9.800E+03	7.422E-01	9.590E+02	7.966E+01	1.034E+01	3.903E+00	2.332E+01	1.734E+01	1.330E+00
1.000E+04	7.239E-01	9.702E+02	8.012E+01	1.052E+01	3.921E+00	2.200E+01	1.629E+01	1.359E+00
1.100E+04	6.474E-01	8.189E+02	8.200E+01	1.126E+01	3.988E+00	1.846E+01	1.332E+01	1.388E+00
1.200E+04	5.867E-01	6.677E+02	8.362E+01	1.170E+01	4.032E+00	1.028E+01	1.413E+01	1.390E+00
1.300E+04	5.368E-01	7.161E+02	8.525E+01	1.210E+01	4.063E+00	2.274E+01	1.705E+01	1.313E+00
1.400E+04	4.882E-01	7.783E+02	8.715E+01	1.259E+01	4.153E+00	2.007E+01	2.149E+01	1.282E+00
1.500E+04	4.454E-01	8.557E+02	9.932E+01	1.305E+01	4.249E+00	3.502E+01	2.701E+01	1.250E+00
1.600E+04	4.032E-01	9.520E+02	9.183E+01	1.359E+01	4.378E+00	4.332E+01	3.343E+01	1.241E+00
1.700E+04	3.676E-01	1.070E+03	9.473E+01	1.422E+01	4.543E+00	9.255E+01	6.029E+01	1.231E+00
1.800E+04	3.323E-01	1.211E+03	9.800E+01	1.492E+01	4.767E+00	6.157E+01	6.698E+01	1.225E+00
1.900E+04	2.996E-01	1.375E+03	1.116E+02	1.570E+01	4.984E+00	7.060E+01	9.222E+01	1.222E+00
2.000E+04	2.700E-01	1.558E+03	1.105E+02	1.655E+01	5.257E+00	7.751E+01	5.709E+01	1.220E+00
2.100E+04	2.417E-01	1.754E+03	1.193E+02	1.747E+01	5.567E+00	8.156E+01	5.923E+01	1.222E+00
2.200E+04	2.206E-01	1.957E+03	1.131E+02	1.842E+01	5.864E+00	8.229E+01	5.903E+01	1.241E+00
2.300E+04	2.012E-01	2.157E+03	1.167E+02	1.939E+01	6.134E+00	7.932E+01	5.667E+01	1.254E+00
2.400E+04	1.847E-01	2.348E+03	1.220E+02	2.037E+01	6.402E+00	7.467E+01	5.269E+01	1.270E+00
2.500E+04	1.708E-01	2.542E+03	1.223E+02	2.134E+01	6.646E+00	6.801E+01	4.781E+01	1.289E+00
2.600E+04	1.592E-01	2.684E+03	1.255E+02	2.229E+01	6.880E+00	6.166E+01	4.272E+01	1.310E+00
2.700E+04	1.493E-01	2.624E+03	1.277E+02	2.321E+01	7.016E+00	5.525E+01	3.799E+01	1.333E+00
2.800E+04	1.410E-01	2.457E+03	1.290E+02	2.409E+01	7.193E+00	4.975E+01	3.396E+01	1.355E+00
2.900E+04	1.337E-01	3.076E+03	1.312E+02	2.549E+01	7.320E+00	4.546E+01	3.081E+01	1.376E+00
3.000E+04	1.274E-01	3.182E+03	1.327E+02	2.565E+01	7.427E+00	4.229E+01	2.661E+01	1.389E+00
3.100E+04	1.214E-01	3.283E+03	1.341E+02	2.630E+01	7.519E+00	4.041E+01	2.730E+01	1.396E+00
3.200E+04	1.167E-01	3.382E+03	1.355E+02	2.686E+01	7.601E+00	3.910E+01	2.711E+01	1.355E+00
3.300E+04	1.121E-01	3.483E+03	1.368E+02	2.734E+01	7.679E+00	4.005E+01	2.749E+01	1.384E+00
3.400E+04	1.078E-01	3.580E+03	1.370E+02	2.776E+01	7.746E+00	4.132E+01	2.806E+01	1.376E+00
3.500E+04	1.030E-01	3.684E+03	1.390E+02	2.815E+01	7.816E+00	4.329E+01	3.030E+01	1.383E+00
3.600E+04	9.937E-02	3.754E+03	1.403E+02	2.855E+01	7.886E+00	4.568E+01	3.235E+01	1.350E+00
3.700E+04	9.637E-02	3.929E+03	1.415E+02	2.897E+01	7.961E+00	4.820E+01	3.430E+01	1.340E+00
3.800E+04	9.249E-02	4.031E+03	1.429E+02	2.942E+01	8.032E+00	5.047E+01	3.611E+01	1.333E+00
3.900E+04	8.966E-02	4.150E+03	1.442E+02	2.991E+01	8.116E+00	5.220E+01	3.746E+01	1.330E+00
4.000E+04	8.680E-02	4.288E+03	1.455E+02	3.046E+01	8.195E+00	5.318E+01	3.817E+01	1.318E+00
4.100E+04	8.399E-02	4.419E+03	1.468E+02	3.100E+01	8.273E+00	5.336E+01	3.823E+01	1.333E+00
4.200E+04	8.093E-02	4.550E+03	1.481E+02	3.158E+01	8.349E+00	5.277E+01	3.770E+01	1.338E+00
4.300E+04	7.839E-02	4.679E+03	1.493E+02	3.218E+01	8.422E+00	5.157E+01	3.670E+01	1.364E+00
4.400E+04	7.605E-02	4.804E+03	1.505E+02	3.279E+01	8.499E+00	4.958E+01	3.542E+01	1.354E+00
4.500E+04	7.377E-02	4.925E+03	1.516E+02	3.340E+01	8.552E+00	4.823E+01	3.402E+01	1.364E+00
4.600E+04	7.160E-02	5.042E+03	1.527E+02	3.397E+01	8.609E+00	4.652E+01	3.264E+01	1.373E+00
4.700E+04	6.974E-02	5.155E+03	1.538E+02	3.460E+01	8.661E+00	4.502E+01	3.153E+01	1.380E+00
4.800E+04	6.791E-02	5.266E+03	1.549E+02	3.509E+01	8.708E+00	4.386E+01	3.067E+01	1.389E+00
4.900E+04	6.619E-02	5.371E+03	1.559E+02	3.558E+01	8.752E+00	4.317E+01	3.017E+01	1.389E+00
5.000E+04	6.457E-02	5.477E+03	1.563E+02	3.603E+01	8.794E+00	4.295E+01	3.006E+01	1.389E+00

P/P0 = 8.00E+01

T	RHO/RHO-0	H/RTG	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.00CE+02	5.532E+01	-3.974E+00	2.334E+01	1.221E+00	1.173E+00	1.757E+01	1.371E+01	1.196E+00
6.00E+02	3.705E+01	1.572E+02	1.742E+01	1.938E+00	1.466E+00	2.608E+01	1.919E+01	1.280E+00
7.00E+02	2.675E+01	7.713E+01	1.272E+01	1.702E+00	1.733E+00	2.165E+01	1.586E+01	1.243E+00
8.00E+02	2.116E+01	1.199E+01	1.346E+01	2.040E+00	1.890E+00	1.363E+01	1.603E+01	1.255E+00
9.00E+02	1.846E+01	1.481E+01	1.468E+01	2.233E+00	1.952E+00	8.814E+00	7.191E+00	1.335E+00
1.000E+03	1.641E+01	1.703E+01	1.590E+01	2.364E+00	1.977E+00	8.444E+00	6.172E+00	1.353E+00
1.100E+03	1.498E+01	1.905E+01	1.688E+01	2.511E+00	1.987E+00	7.976E+00	5.844E+00	1.354E+00
1.200E+03	1.357E+01	2.103E+01	1.737E+01	2.624E+00	1.993E+00	7.383E+00	5.765E+00	1.354E+00
1.300E+03	1.221E+01	2.429E+01	1.806E+01	2.727E+00	1.995E+00	7.028E+00	5.722E+00	1.350E+00
1.400E+03	1.101E+01	2.667E+01	1.859E+01	2.827E+00	1.978E+00	6.865E+00	5.830E+00	1.345E+00
1.500E+03	1.003E+01	2.832E+01	1.912E+01	2.921E+00	1.998E+00	6.927E+00	5.910E+00	1.346E+00
1.600E+03	9.105E+00	2.979E+01	1.945E+01	3.012E+00	1.998E+00	6.999E+00	5.988E+00	1.335E+00
1.700E+03	8.011E+00	3.078E+01	1.978E+01	3.109E+00	1.999E+00	7.070E+00	6.067E+00	1.310E+00
1.800E+03	7.017E+00	3.179E+01	2.010E+01	3.190E+00	1.999E+00	7.140E+00	6.145E+00	1.314E+00
1.900E+03	6.023E+00	3.282E+01	2.042E+01	3.266E+00	1.999E+00	7.210E+00	6.232E+00	1.321E+00
2.000E+03	5.038E+00	3.387E+01	2.074E+01	3.346E+00	1.999E+00	7.280E+00	6.324E+00	1.317E+00
2.100E+03	4.053E+00	3.495E+01	2.106E+01	3.423E+00	2.000E+00	6.937E+00	6.426E+00	1.312E+00
2.200E+03	3.070E+00	3.570E+01	2.128E+01	3.497E+00	2.000E+00	6.961E+00	6.365E+00	1.308E+00
2.300E+03	2.086E+00	3.620E+01	2.167E+01	3.569E+00	2.000E+00	6.711E+00	6.087E+00	1.302E+00
2.400E+03	1.775E+00	3.735E+01	2.190E+01	3.630E+00	2.001E+00	6.890E+00	6.006E+00	1.294E+00
2.500E+03	1.463E+00	3.842E+01	2.212E+01	3.700E+00	2.002E+00	6.130E+00	5.707E+00	1.286E+00
2.600E+03	1.150E+00	3.947E+01	2.234E+01	3.768E+00	2.003E+00	6.417E+00	5.335E+00	1.277E+00
2.700E+03	8.993E+00	5.230E+01	2.415E+01	3.830E+00	2.035E+00	5.771E+00	5.654E+00	1.273E+00
2.800E+03	5.772E+00	5.470E+01	4.052E+01	3.890E+00	2.008E+00	6.020E+00	6.037E+00	1.266E+00
2.900E+03	3.537E+00	5.737E+01	4.096E+01	3.949E+00	2.011E+00	6.071E+00	6.492E+00	1.250E+00
3.000E+03	5.367E+00	6.011E+01	4.926E+01	4.067E+00	2.015E+00	6.132E+00	6.826E+00	1.240E+00
3.100E+03	5.185E+00	6.301E+01	4.958E+01	4.065E+00	2.020E+00	6.233E+00	6.944E+00	1.241E+00
3.200E+03	5.002E+00	6.610E+01	4.985E+01	4.124E+00	2.027E+00	6.326E+00	6.933E+00	1.242E+00
3.300E+03	4.811E+00	6.940E+01	4.646E+01	4.184E+00	2.035E+00	6.379E+00	6.814E+00	1.227E+00

TABLE I. - Continued

T	K/T/KH=0	H/HU	S/R	A/AU	Z	CP/R	CV/R	GAMMA	
3.000E+03	4.667E+00	7.295E+01	4.669E+01	4.267E+00	2.045E+00	1.884E+01	1.203E+01	1.220E+00	
3.500E+03	4.507E+00	7.078E+01	4.734E+01	4.311E+00	2.057E+00	1.801E+01	1.300E+01	1.218E+00	
3.600E+03	4.353E+00	6.091E+01	4.762E+01	4.378E+00	2.070E+00	1.730E+01	1.404E+01	1.210E+00	
3.700E+03	4.202E+00	8.537E+01	4.831E+01	4.449E+00	2.087E+00	1.871E+01	1.519E+01	1.206E+00	
3.800E+03	4.055E+00	6.019E+01	4.884E+01	4.521E+00	2.105E+00	2.022E+01	1.640E+01	1.203E+00	
3.900E+03	3.911E+00	9.540E+01	4.939E+01	4.602E+00	2.127E+00	2.155E+01	1.766E+01	1.201E+00	
4.000E+03	3.770E+00	1.010E+02	4.996E+01	4.684E+00	2.151E+00	2.353E+01	1.896E+01	1.159E+00	
4.100E+03	3.632E+00	1.071E+02	5.057E+01	4.771E+00	2.179E+00	2.530E+01	2.030E+01	1.159E+00	
4.200E+03	3.497E+00	1.135E+02	5.120E+01	4.862E+00	2.209E+00	2.713E+01	2.164E+01	1.159E+00	
4.300E+03	3.364E+00	1.205E+02	5.187E+01	4.958E+00	2.242E+00	2.998E+01	2.297E+01	1.159E+00	
4.400E+03	3.234E+00	1.279E+02	5.256E+01	5.058E+00	2.280E+00	3.082E+01	2.427E+01	1.200E+00	
4.500E+03	3.108E+00	1.357E+02	5.327E+01	5.163E+00	2.320E+00	3.263E+01	2.551E+01	1.701E+00	
4.600E+03	2.985E+00	1.440E+02	5.414E+01	5.272E+00	2.363E+00	3.434E+01	2.687E+01	1.403E+00	
4.700E+03	2.866E+00	1.527E+02	5.477E+01	5.388E+00	2.408E+00	3.598E+01	2.772E+01	1.252E+00	
4.800E+03	2.751E+00	1.617E+02	5.555E+01	5.503E+00	2.457E+00	3.745E+01	2.863E+01	1.208E+00	
4.900E+03	2.641E+00	1.711E+02	5.633E+01	5.624E+00	2.507E+00	3.872E+01	2.939E+01	1.111E+00	
5.000E+03	2.535E+00	1.808E+02	5.713E+01	5.746E+00	2.566E+00	3.978E+01	2.998E+01	1.216E+00	
5.200E+03	2.338E+00	2.008E+02	5.872E+01	6.003E+00	2.666E+00	4.104E+01	3.058E+01	1.222E+00	
5.400E+03	2.163E+00	2.211E+02	6.027E+01	6.263E+00	2.777E+00	4.117E+01	3.040E+01	1.230E+00	
5.600E+03	2.008E+00	2.412E+02	6.175E+01	6.522E+00	2.885E+00	4.022E+01	2.953E+01	1.239E+00	
5.800E+03	1.874E+00	2.605E+02	6.313E+01	6.777E+00	2.988E+00	3.649E+01	2.815E+01	1.209E+00	
6.000E+03	1.757E+00	2.789E+02	6.440E+01	7.022E+00	3.077E+00	3.023E+01	2.652E+01	1.205E+00	
6.200E+03	1.657E+00	2.961E+02	6.555E+01	7.253E+00	3.159E+00	3.395E+01	2.489E+01	1.204E+00	
6.400E+03	1.564E+00	3.123E+02	6.459E+01	7.469E+00	3.231E+00	3.905E+01	2.347E+01	1.209E+00	
6.600E+03	1.492E+00	3.276E+02	6.754E+01	7.688E+00	3.296E+00	3.176E+01	2.239E+01	1.273E+00	
6.800E+03	1.425E+00	3.422E+02	6.843E+01	7.892E+00	3.369E+00	2.918E+01	2.177E+01	1.233E+00	
7.000E+03	1.364E+00	3.564E+02	6.924E+01	8.021E+00	3.399E+00	2.666E+01	2.140E+01	1.272E+00	
7.200E+03	1.308E+00	3.704E+02	7.006E+01	8.179E+00	3.444E+00	2.549E+01	2.145E+01	1.249E+00	
7.400E+03	1.257E+00	3.844E+02	7.084E+01	8.331E+00	3.487E+00	2.671E+01	2.175E+01	1.205E+00	
7.600E+03	1.210E+00	3.987E+02	7.161E+01	8.480E+00	3.527E+00	2.918E+01	2.222E+01	1.262E+00	
7.800E+03	1.166E+00	4.132E+02	7.230E+01	8.628E+00	3.567E+00	2.976E+01	2.275E+01	1.259E+00	
8.000E+03	1.125E+00	4.280E+02	7.314E+01	8.770E+00	3.605E+00	3.031E+01	2.324E+01	1.257E+00	
8.200E+03	1.086E+00	4.430E+02	7.395E+01	8.912E+00	3.663E+00	3.073E+01	2.358E+01	1.256E+00	
8.400E+03	1.049E+00	4.582E+02	7.466E+01	9.091E+00	3.681E+00	3.088E+01	2.377E+01	1.250E+00	
8.600E+03	1.015E+00	4.734E+02	7.533E+01	9.254E+00	3.717E+00	3.072E+01	2.354E+01	1.200E+00	
8.800E+03	9.827E-01	4.884E+02	7.600E+01	9.422E+00	3.752E+00	3.019E+01	2.308E+01	1.245E+00	
9.000E+03	9.525E-01	5.031E+02	7.673E+01	9.599E+00	3.785E+00	2.932E+01	2.234E+01	1.271E+00	
9.200E+03	9.243E-01	5.172E+02	7.736E+01	9.770E+00	2.815E+00	2.816E+01	2.136E+01	1.279E+00	
9.400E+03	8.981E-01	5.308E+02	7.795E+01	9.948E+00	3.843E+00	2.868E+01	2.022E+01	1.249E+00	
9.600E+03	8.738E-01	5.454E+02	8.050E+01	1.013E+01	3.868E+00	2.939E+01	1.901E+01	1.300E+00	
9.800E+03	8.509E-01	5.597E+02	7.900E+01	1.031E+01	3.891E+00	2.991E+01	1.761E+01	1.311E+00	
1.000E+04	8.296E-01	5.742E+02	7.947E+01	1.049E+01	3.911E+00	2.256E+01	1.649E+01	1.323E+00	
1.100E+04	7.442E-01	6.164E+02	8.14CE+01	1.127E+01	3.979E+00	1.862E+01	1.367E+01	1.346E+00	
1.200E+04	6.715E-01	6.626E+02	8.301E+01	1.179E+01	4.028E+00	1.964E+01	1.39CE+01	1.354E+00	
1.300E+04	6.123E-01	7.128E+02	8.466E+01	1.219E+01	4.076E+00	2.214E+01	1.534E+01	1.320E+00	
1.400E+04	5.595E-01	7.732E+02	8.655E+01	1.259E+01	4.142E+00	2.711E+01	1.605E+01	1.207E+00	
1.500E+04	5.111E-01	8.477E+02	8.853E+01	1.303E+01	4.232E+01	3.364E+01	1.590E+01	1.242E+00	
1.600E+04	4.658E-01	9.400E+02	9.058E+01	1.357E+01	4.355E+01	4.150E+01	1.202E+01	1.244E+00	
1.700E+04	4.233E-01	1.053E+03	9.322E+01	1.417E+01	4.508E+00	5.029E+01	1.361E+01	1.273E+00	
1.800E+04	3.835E-01	1.188E+03	9.685E+01	1.485E+01	4.708E+00	5.938E+01	1.451E+01	1.226E+00	
1.900E+04	3.466E-01	1.345E+03	1.030E+02	1.536E+01	4.920E+00	6.793E+01	5.095E+01	1.224E+00	
2.000E+04	3.130E-01	1.521E+03	1.080E+02	1.643E+01	5.183E+00	7.492E+01	5.339E+01	1.225E+00	
2.100E+04	2.829E-01	1.712E+03	1.077E+02	1.732E+01	5.461E+00	7.965E+01	5.791E+01	1.230E+00	
2.200E+04	2.565E-01	1.910E+03	1.153E+02	1.829E+01	5.969E+00	6.933E+01	5.824E+01	1.234E+00	
2.300E+04	2.338E-01	2.109E+03	1.190E+02	1.920E+01	6.033E+00	7.934E+01	5.964E+01	1.250E+00	
2.400E+04	2.145E-01	2.254E+03	1.193E+02	1.938E+01	2.017E+01	6.303E+00	7.923E+01	5.305E+01	1.205E+00
2.500E+04	1.982E-01	2.477E+03	1.213E+02	2.113E+01	6.349E+01	6.708E+00	5.938E+01	1.226E+00	
2.600E+04	1.864E-01	2.660E+03	1.239E+02	2.208E+01	6.760E+00	6.308E+01	4.375E+01	1.346E+00	
2.700E+04	1.728E-01	2.787E+03	1.261E+02	2.300E+01	6.493E+00	5.803E+01	4.911E+01	1.320E+00	
2.800E+04	1.629E-01	2.920E+03	1.281E+02	2.388E+01	7.112E+00	5.129E+01	3.503E+01	1.375E+00	
2.900E+04	1.544E-01	3.041E+03	1.295E+02	2.472E+01	7.247E+00	4.676E+01	3.173E+01	1.374E+00	
3.000E+04	1.464E-01	3.151E+03	1.314E+02	2.546E+01	7.361E+00	4.337E+01	4.931E+01	1.383E+00	
3.100E+04	1.403E-01	3.255E+03	1.327E+02	2.610E+01	7.459E+00	4.115E+01	2.70CE+01	1.352E+00	
3.200E+04	1.346E-01	3.355E+03	1.346E+02	2.670E+01	7.535E+00	4.005E+01	2.715E+01	1.395E+00	
3.300E+04	1.290E-01	3.453E+03	1.352E+02	2.727E+01	7.623E+00	4.001E+01	2.731E+01	1.366E+00	
3.400E+04	1.240E-01	3.553E+03	1.364E+02	2.771E+01	7.694E+00	4.088E+01	4.818E+01	1.381E+00	
3.500E+04	1.194E-01	3.655E+03	1.376E+02	2.812E+01	7.767E+00	4.231E+01	4.918E+01	1.368E+00	
3.600E+04	1.150E-01	3.707E+03	1.389E+02	2.852E+01	7.838E+00	4.435E+01	5.161E+01	1.334E+00	
3.700E+04	1.108E-01	3.876E+03	1.401E+02	2.893E+01	7.912E+00	4.762E+01	5.333E+01	1.305E+00	
3.800E+04	1.069E-01	3.994E+03	1.416E+02	2.937E+01	7.984E+00	4.929E+01	5.114E+01	1.337E+00	
3.900E+04	1.032E-01	4.118E+03	1.427E+02	2.993E+01	8.064E+00	5.117E+01	5.639E+01	1.333E+00	
4.000E+04	9.962E-02	4.266E+03	1.446E+02	3.036E+01	8.142E+00	5.243E+01	5.732E+01	1.332E+00	
4.100E+04	9.626E-02	4.376E+03	1.453E+02	3.091E+01	8.220E+00	5.495E+01	5.766E+01	1.333E+00	
4.200E+04	9.310E-02	4.507E+03	1.466E+02	3.147E+01	8.297E+00	5.273E+01	5.761E+01	1.337E+00	
4.300E+04	9.014E-02	4.636E+03	1.476E+02	3.200E+01	8.371E+00	5.186E+01	5.657E+01	1.344E+00	
4.400E+04	8.736E-02	4.764E+03	1.490E+02	3.266E+01	8.446E+00	5.052E+01	5.578E+01	1.352E+00	
4.500E+04	8.477E-02	4.884E+03	1.501E+02	3.327E+01	8.505E+00	4.922E+01	5.494E+01	1.360E+00	
4.600E+04	8.235E-02	5.003E+03	1.512E+02	3.388E+01	8.565E+00	4.726E+01	5.324E+01	1.369E+00	
4.700E+04	8.009E-02	5.110E+03	1.522E+02	3.444E+01	8.619E+00	4.573E+01	5.261E+01	1.373E+00	
4.800E+04	7.797E-02	5.229E+03	1.531E+02	3.499E+01	8.669E+00	4.464E+01	5.166E+01	1.364E+00	
4.900E+04	7.597E-02	5.337E+03	1.540E+02	3.550E+01	8.716E+00	4.356E+01	5.039E+01	1.366E+00	
5.000E+04	7.409E-02	5.444E+03	1.549E+02	3.598E+01	8.758E+00	4.310E+01	5.008E+01	1.359E+00	

TABLE I.- Continued

P/PQ = 9.00E+01

T	RHO/RHO-0	H/RTC	S/R	A/A0	Z	CPI	CV/R	GDRM
5.000E+02	6.275E+01	-6.124E+00	2.309E+01	1.211E+00	1.163E+00	1.088E+01	1.320E+01	1.197E+00
6.000E+02	6.249E+01	1.245E+00	2.703E+01	1.492E+00	1.425E+00	2.553E+01	1.882E+01	1.207E+00
7.000E+02	3.045E+01	7.304E+00	2.188E+01	1.700E+00	1.712E+00	2.213E+01	1.615E+01	1.243E+00
8.000E+02	2.429E+01	1.180E+01	3.320E+01	2.030E+00	1.678E+00	1.015E+01	1.041E+01	1.281E+00
9.000E+02	2.083E+01	1.472E+01	3.468E+01	2.227E+00	1.974E+00	1.000E+01	1.389E+00	1.331E+00
1.000E+03	1.849E+01	1.699E+01	3.505E+01	2.381E+00	1.974E+00	8.565E+00	6.262E+00	1.351E+00
1.100E+03	1.671E+01	1.920E+01	3.644E+01	2.509E+00	1.988E+00	6.034E+00	5.880E+00	1.356E+00
1.200E+03	1.527E+01	2.090E+01	3.713E+01	2.623E+00	1.992E+00	5.066E+00	5.706E+00	1.354E+00
1.300E+03	1.408E+01	2.292E+01	3.770E+01	2.727E+00	1.995E+00	7.841E+00	5.794E+00	1.356E+00
1.400E+03	1.300E+01	2.480E+01	3.835E+01	2.820E+00	1.998E+00	7.874E+00	5.849E+00	1.349E+00
1.500E+03	1.216E+01	2.662E+01	3.889E+01	2.921E+00	1.997E+00	7.933E+00	5.914E+00	1.346E+00
1.600E+03	1.142E+01	2.879E+01	3.941E+01	3.012E+00	1.998E+00	6.003E+00	5.990E+00	1.335E+00
1.700E+03	1.074E+01	3.078E+01	3.990E+01	3.095E+00	1.998E+00	6.078E+00	6.049E+00	1.330E+00
1.800E+03	1.014E+01	3.279E+01	4.037E+01	3.184E+00	1.995E+00	6.157E+00	6.149E+00	1.326E+00
1.900E+03	9.610E+00	3.482E+01	4.081E+01	3.264E+00	1.999E+00	6.243E+00	6.232E+00	1.321E+00
2.000E+03	9.128E+00	3.687E+01	9.120E+01	3.346E+00	1.997E+00	6.330E+00	6.322E+00	1.313E+00
2.100E+03	8.692E+00	3.895E+01	4.145E+01	3.423E+00	2.000E+00	6.432E+00	6.421E+00	1.313E+00
2.200E+03	8.256E+00	4.105E+01	4.205E+01	3.497E+00	2.000E+00	6.552E+00	6.536E+00	1.306E+00
2.300E+03	7.933E+00	4.319E+01	4.243E+01	3.569E+00	2.000E+00	6.647E+00	6.673E+00	1.303E+00
2.400E+03	7.600E+00	4.537E+01	4.281E+01	3.638E+00	2.001E+00	6.707E+00	6.800E+00	1.297E+00
2.500E+03	7.293E+00	4.760E+01	4.310E+01	3.705E+00	2.002E+00	6.907E+00	7.044E+00	1.290E+00
2.600E+03	7.000E+00	4.989E+01	4.355E+01	3.769E+00	2.003E+00	6.937E+00	7.293E+00	1.282E+00
2.700E+03	6.743E+00	5.226E+01	4.391E+01	3.832E+00	2.005E+00	9.705E+00	7.595E+00	1.276E+00
2.800E+03	6.495E+00	5.472E+01	4.427E+01	3.892E+00	2.007E+00	1.011E+01	7.958E+00	1.266E+00
2.900E+03	6.261E+00	5.724E+01	4.464E+01	3.951E+00	2.010E+00	1.040E+01	8.395E+00	1.260E+00
3.000E+03	6.041E+00	5.999E+01	4.513E+01	4.009E+00	2.016E+00	1.118E+01	8.896E+00	1.252E+00
3.100E+03	5.832E+00	6.209E+01	4.559E+01	4.068E+00	2.019E+00	1.185E+01	9.460E+00	1.244E+00
3.200E+03	5.632E+00	6.489E+01	4.578E+01	4.176E+00	2.025E+00	1.262E+01	1.015E+01	1.238E+00
3.300E+03	5.491E+00	6.913E+01	4.615E+01	4.186E+00	2.033E+00	1.351E+01	1.090E+01	1.231E+00
3.400E+03	5.237E+00	7.260E+01	4.661E+01	4.246E+00	2.042E+00	1.450E+01	1.174E+01	1.223E+00
3.500E+03	5.017E+00	7.344E+01	4.703E+01	4.313E+00	2.053E+00	1.561E+01	1.266E+01	1.217E+00
3.600E+03	4.907E+00	8.036E+01	4.751E+01	4.370E+00	2.060E+00	1.683E+01	1.306E+01	1.212E+00
3.700E+03	4.734E+00	4.470E+01	4.755E+01	4.464E+00	2.062E+00	1.816E+01	1.474E+01	1.208E+00
3.800E+03	4.575E+00	4.937E+01	4.850E+01	4.521E+00	2.099E+00	1.959E+01	1.588E+01	1.205E+00
3.900E+03	4.415P+00	9.441E+01	4.930E+01	4.597E+00	2.124E+00	2.112E+01	1.708E+01	1.203E+00
4.000E+03	4.258E+00	9.589E+01	4.959E+01	4.676E+00	2.143E+00	2.276E+01	1.833E+01	1.201E+00
4.100E+03	4.105E+00	1.057E+02	9.618E+01	4.762E+00	2.164E+00	2.442E+01	1.940E+01	1.200E+00
4.200E+03	3.953E+00	1.119E+02	9.719E+01	4.852E+00	2.198E+00	2.617E+01	2.089E+01	1.200E+00
4.300E+03	3.800E+00	1.186E+02	9.130E+01	4.945E+00	2.229E+00	2.794E+01	2.210E+01	1.200E+00
4.400E+03	3.673E+00	1.258E+02	9.21CE+01	5.024E+00	2.261E+00	2.972E+01	2.344E+01	1.201E+00
4.500E+03	3.552E+00	1.323E+02	9.279E+01	5.145E+00	2.302E+00	3.146E+01	2.484E+01	1.202E+00
4.600E+03	3.438E+00	1.413E+02	9.350E+01	5.252E+00	2.343E+00	3.318E+01	2.620E+01	1.203E+00
4.700E+03	3.329E+00	1.497E+02	9.428E+01	5.343E+00	2.384E+00	3.484E+01	2.756E+01	1.204E+00
4.800E+03	3.225E+00	1.573E+02	9.501E+01	5.434E+00	2.425E+00	3.652E+01	2.892E+01	1.205E+00
4.900E+03	3.120E+00	1.648E+02	9.575E+01	5.517E+00	2.466E+00	3.819E+01	3.028E+01	1.206E+00
5.000E+03	3.000E+00	1.717E+02	9.648E+01	5.598E+00	2.507E+00	4.000E+01	3.164E+01	1.207E+00
5.100E+03	2.883E+00	1.770E+02	9.720E+01	5.671E+00	2.548E+00	4.170E+01	3.295E+01	1.208E+00
5.200E+03	2.661E+00	1.825E+02	9.795E+01	5.745E+00	2.589E+00	4.331E+01	3.424E+01	1.209E+00
5.300E+03	2.442E+00	1.875E+02	9.867E+01	5.816E+00	2.629E+00	4.482E+01	3.553E+01	1.210E+00
5.400E+03	2.224E+00	1.921E+02	9.938E+01	5.887E+00	2.669E+00	4.633E+01	3.682E+01	1.211E+00
5.500E+03	2.006E+00	1.967E+02	1.000E+02	5.958E+00	2.709E+00	4.784E+01	3.811E+01	1.212E+00
5.600E+03	1.790E+00	2.013E+02	1.007E+02	6.029E+00	2.749E+00	4.935E+01	3.939E+01	1.213E+00
5.700E+03	1.576E+00	2.058E+02	1.014E+02	6.099E+00	2.789E+00	5.084E+01	4.067E+01	1.214E+00
5.800E+03	1.363E+00	2.093E+02	1.021E+02	6.169E+00	2.829E+00	5.231E+01	4.195E+01	1.215E+00
5.900E+03	1.150E+00	2.128E+02	1.028E+02	6.239E+00	2.869E+00	5.378E+01	4.323E+01	1.216E+00
6.000E+03	9.370E+00	2.163E+02	1.035E+02	6.309E+00	2.909E+00	5.525E+01	4.451E+01	1.217E+00
6.100E+03	7.200E+00	2.198E+02	1.042E+02	6.379E+00	2.949E+00	5.672E+01	4.579E+01	1.218E+00
6.200E+03	5.030E+00	2.233E+02	1.049E+02	6.449E+00	2.989E+00	5.819E+01	4.707E+01	1.219E+00
6.300E+03	2.850E+00	2.268E+02	1.056E+02	6.519E+00	3.029E+00	5.966E+01	4.835E+01	1.220E+00
6.400E+03	6.700E+00	2.303E+02	1.063E+02	6.589E+00	3.069E+00	6.113E+01	5.064E+01	1.221E+00
6.500E+03	1.580E+00	2.338E+02	1.070E+02	6.659E+00	3.109E+00	6.260E+01	5.292E+01	1.222E+00
6.600E+03	2.470E+00	2.373E+02	1.077E+02	6.729E+00	3.149E+00	6.397E+01	5.520E+01	1.223E+00
6.700E+03	3.350E+00	2.408E+02	1.084E+02	6.799E+00	3.188E+00	6.534E+01	5.748E+01	1.224E+00
6.800E+03	4.230E+00	2.443E+02	1.091E+02	6.869E+00	3.227E+00	6.671E+01	5.976E+01	1.225E+00
6.900E+03	5.100E+00	2.478E+02	1.098E+02	6.939E+00	3.266E+00	6.808E+01	6.204E+01	1.226E+00
7.000E+03	5.960E+00	2.513E+02	1.105E+02	7.009E+00	3.305E+00	6.945E+01	6.432E+01	1.227E+00
7.100E+03	6.810E+00	2.548E+02	1.112E+02	7.079E+00	3.344E+00	7.082E+01	6.660E+01	1.228E+00
7.200E+03	7.650E+00	2.583E+02	1.119E+02	7.149E+00	3.383E+00	7.219E+01	6.888E+01	1.229E+00
7.300E+03	8.480E+00	2.618E+02	1.126E+02	7.219E+00	3.422E+00	7.353E+01	7.116E+01	1.230E+00
7.400E+03	9.290E+00	2.653E+02	1.133E+02	7.289E+00	3.461E+00	7.487E+01	7.344E+01	1.231E+00
7.500E+03	1.009E+01	2.688E+02	1.140E+02	7.359E+00	3.500E+00	7.621E+01	7.572E+01	1.232E+00
7.600E+03	1.088E+01	2.723E+02	1.147E+02	7.429E+00	3.539E+00	7.755E+01	7.799E+01	1.233E+00
7.700E+03	1.167E+01	2.758E+02	1.154E+02	7.499E+00	3.578E+00	7.889E+01	8.037E+01	1.234E+00
7.800E+03	1.245E+01	2.793E+02	1.161E+02	7.569E+00	3.617E+00	8.021E+01	8.275E+01	1.235E+00
7.900E+03	1.323E+01	2.828E+02	1.168E+02	7.639E+00	3.656E+00	8.155E+01	8.503E+01	1.236E+00
8.000E+03	1.401E+01	2.863E+02	1.175E+02	7.709E+00	3.695E+00	8.289E+01	8.731E+01	1.237E+00
8.100E+03	1.478E+01	2.998E+02	1.182E+02	7.779E+00	3.734E+00	8.422E+01	9.059E+01	1.238E+00
8.200E+03	1.555E+01	3.033E+02	1.189E+02	7.849E+00	3.773E+00	8.554E+01	9.387E+01	1.239E+00
8.300E+03	1.632E+01	3.068E+02	1.196E+02	7.919E+00	3.812E+00	8.685E+01	9.715E+01	1.240E+00
8.400E+03	1.709E+01	3.103E+02	1.203E+02	8.089E+00	3.851E+00	8.816E+01	1.004E+02	1.241E+00
8.500E+03	1.786E+01	3.138E+02	1.210E+02	8.259E+00	3.890E+00	8.947E+01	1.037E+02	1.242E+00
8.600E+03	1.863E+01	3.173E+02	1.217E+02	8.429E+00	3.929E+00	9.078E+01	1.070E+02	1.243E+00
8.700E+03	1.940E+01	3.208E+02	1.224E+02	8.599E+00	3.968E+00	9.210E+01	1.103E+02	1.244E+00
8.800E+03	2.017E+01	3.243E+02						

TABLE I.- Continued

T	RHO/RHO-0	H/HO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
2.100E+04	3.226E-01	1.676E+03	1.646E+02	1.719E+01	9.388E+00	7.751E+01	5.670E+01	1.229E+00
2.200E+04	2.927E-01	1.870E+03	1.101E+02	1.810E+01	9.647E+00	7.957E+01	5.749E+01	1.234E+00
2.300E+04	2.669E-01	2.065E+03	1.136E+02	1.904E+01	9.946E+00	7.870E+01	5.817E+01	1.247E+00
2.400E+04	2.448E-01	2.255E+03	1.169E+02	1.999E+01	6.213E+00	7.931E+01	5.921E+01	1.261E+00
2.500E+04	2.260E-01	2.434E+03	1.205E+02	2.095E+01	6.460E+00	7.017E+01	4.914E+01	1.278E+00
2.600E+04	2.101E-01	2.600E+03	1.229E+02	2.189E+01	6.680E+00	6.417E+01	4.456E+01	1.295E+00
2.700E+04	1.967E-01	2.750E+03	1.249E+02	2.281E+01	6.873E+00	5.812E+01	4.003E+01	1.319E+00
2.800E+04	1.852E-01	2.888E+03	1.264E+02	2.370E+01	7.038E+00	5.260E+01	3.595E+01	1.341E+00
2.900E+04	1.753E-01	3.010E+03	1.289E+02	2.464E+01	7.179E+00	4.774E+01	3.254E+01	1.361E+00
3.000E+04	1.667E-01	3.123E+03	1.310E+02	2.532E+01	7.299E+00	4.437E+01	2.998E+01	1.378E+00
3.100E+04	1.591E-01	3.229E+03	1.331E+02	2.603E+01	7.402E+00	4.188E+01	2.824E+01	1.389E+00
3.200E+04	1.522E-01	3.330E+03	1.352E+02	2.663E+01	7.492E+00	4.067E+01	2.735E+01	1.394E+00
3.300E+04	1.460E-01	3.429E+03	1.370E+02	2.719E+01	7.573E+00	3.909E+01	2.725E+01	1.392E+00
3.400E+04	1.404E-01	3.529E+03	1.392E+02	2.766E+01	7.664E+00	3.806E+01	2.784E+01	1.388E+00
3.500E+04	1.351E-01	3.630E+03	1.366E+02	2.808E+01	7.721E+00	3.795E+01	2.905E+01	1.373E+00
3.600E+04	1.301E-01	3.734E+03	1.376E+02	2.849E+01	7.793E+00	3.804E+01	3.066E+01	1.361E+00
3.700E+04	1.254E-01	3.846E+03	1.388E+02	2.890E+01	7.846E+00	3.664E+01	3.247E+01	1.350E+00
3.800E+04	1.210E-01	3.943E+03	1.401E+02	2.933E+01	7.894E+00	3.627E+01	3.423E+01	1.341E+00
3.900E+04	1.167E-01	4.036E+03	1.414E+02	2.979E+01	8.016E+00	3.523E+01	3.570E+01	1.336E+00
4.000E+04	1.127E-01	4.210E+03	1.427E+02	3.029E+01	8.099E+00	3.168E+01	3.688E+01	1.333E+00
4.100E+04	1.089E-01	4.330E+03	1.440E+02	3.082E+01	8.171E+00	3.247E+01	3.763E+01	1.334E+00
4.200E+04	1.053E-01	4.466E+03	1.452E+02	3.130E+01	8.249E+00	3.258E+01	3.743E+01	1.337E+00
4.300E+04	1.020E-01	4.597E+03	1.465E+02	3.196E+01	8.324E+00	3.197E+01	3.691E+01	1.342E+00
4.400E+04	9.841E-02	4.724E+03	1.477E+02	3.259E+01	8.395E+00	3.088E+01	3.601E+01	1.35GE+00
4.500E+04	9.586E-02	4.847E+03	1.488E+02	3.319E+01	8.462E+00	3.495E+01	3.666E+01	1.358E+00
4.600E+04	9.309E-02	4.967E+03	1.500E+02	3.379E+01	8.532E+00	4.780E+01	3.562E+01	1.368E+00
4.700E+04	9.051E-02	5.083E+03	1.512E+02	3.438E+01	8.598E+00	4.635E+01	3.243E+01	1.375E+00
4.800E+04	8.804E-02	5.196E+03	1.524E+02	3.498E+01	8.653E+00	4.501E+01	3.140E+01	1.382E+00
4.900E+04	8.581E-02	5.309E+03	1.537E+02	3.551E+01	8.681E+00	4.398E+01	3.064E+01	1.387E+00
5.000E+04	8.366E-02	5.413E+03	1.553E+02	3.590E+01	8.726E+00	4.335E+01	3.019E+01	1.356E+00

P/P0 = 1.00E+02

T	RHO/RHO-0	H/HO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	7.024E+01	-6.248E+00	2.287E-01	1.4733E+00	1.1556E+00	1.029E+01	1.276E+01	1.198E+00
6.000E+02	6.804E+01	9.605E-01	2.469E+01	1.4733E+00	1.407E+00	2.509E+01	1.845E+01	1.209E+00
7.000E+02	6.421E+01	7.008E+00	3.052E+01	1.768E+00	1.494E+00	2.249E+01	1.613E+01	1.241E+00
8.000E+02	6.715E+01	1.142E+01	3.298E+01	2.022E+00	1.867E+00	1.663E+01	1.375E+01	1.247E+00
9.000E+02	7.281E+01	1.462E+01	3.443E+01	2.217E+00	1.941E+00	1.033E+01	7.572E+00	1.328E+00
1.000E+03	2.057E+01	1.654E+01	3.542E+01	2.376E+00	1.971E+00	8.684E+00	6.349E+00	1.349E+00
1.100E+03	1.858E+01	1.900E+01	3.622E+01	2.507E+00	1.984E+00	8.092E+00	5.928E+00	1.355E+00
1.200E+03	1.678E+01	2.059E+01	3.692E+01	2.622E+00	1.991E+00	7.898E+00	5.700E+00	1.359E+00
1.300E+03	1.564E+01	2.291E+01	3.755E+01	2.727E+00	1.994E+00	7.657E+00	5.836E+00	1.364E+00
1.400E+03	1.451E+01	2.446E+01	3.813E+01	2.826E+00	1.996E+00	7.486E+00	5.852E+00	1.365E+00
1.500E+03	1.354E+01	2.618E+01	3.868E+01	2.921E+00	1.997E+00	7.319E+00	5.918E+00	1.367E+00
1.600E+03	1.269E+01	2.870E+01	3.920E+01	3.011E+00	1.998E+00	8.007E+00	5.993E+00	1.335E+00
1.700E+03	1.194E+01	3.077E+01	3.949E+01	3.099E+00	1.998E+00	8.011E+00	6.070E+00	1.330E+00
1.800E+03	1.127E+01	3.278E+01	4.015E+01	3.184E+00	1.998E+00	6.150E+00	6.150E+00	1.324E+00
1.900E+03	1.068E+01	3.462E+01	4.080E+01	3.260E+00	1.998E+00	6.232E+00	6.232E+00	1.321E+00
2.000E+03	1.114E+01	3.667E+01	4.130E+01	3.346E+00	1.998E+00	6.328E+00	6.320E+00	1.317E+00
2.100E+03	9.659E+00	3.896E+01	4.146E+01	3.427E+00	1.998E+00	6.426E+00	6.417E+00	1.313E+00
2.200E+03	2.128E+00	4.105E+01	4.184E+01	3.47E+00	2.000E+00	6.544E+00	6.529E+00	1.309E+00
2.300E+03	8.415E+00	4.318E+01	4.222E+01	3.570E+00	2.005E+00	6.684E+00	6.662E+00	1.303E+00
2.400E+03	6.445E+00	4.536E+01	4.26LE+01	3.639E+00	2.001E+00	6.856E+00	6.822E+00	1.297E+00
2.500E+03	8.104E+00	4.753E+01	4.297E+01	3.726E+00	2.022E+00	9.048E+00	7.010E+00	1.291E+00
2.600E+03	7.738E+00	4.967E+01	3.933E+01	3.771E+00	2.033E+00	9.330E+00	7.256E+00	1.284E+00
2.700E+03	2.493E+00	5.222E+01	4.369E+01	3.833E+00	2.366E+00	9.657E+00	7.455E+00	1.277E+00
2.800E+03	7.218E+00	5.466E+01	4.405E+01	3.894E+00	2.307E+00	1.044E+01	7.992E+00	1.269E+00
2.900E+03	6.959E+00	5.721E+01	4.442E+01	3.953E+00	2.010E+00	1.050E+01	8.303E+00	1.261E+00
3.000E+03	6.715E+00	5.969E+01	4.479E+01	4.012E+00	2.013E+00	1.059E+01	8.785E+00	1.253E+00
3.100E+03	6.483E+00	6.217E+01	4.516E+01	4.070E+00	2.014E+00	1.169E+01	9.342E+00	1.246E+00
3.200E+03	6.262E+00	6.571E+01	4.553E+01	4.128E+00	2.024E+00	1.243E+01	9.977E+00	1.238E+00
3.300E+03	6.050E+00	6.839E+01	4.595E+01	4.188E+00	2.031E+00	1.327E+01	1.049E+01	1.231E+00
3.400E+03	5.847E+00	7.231E+01	4.636E+01	4.249E+00	2.046E+00	1.421E+01	1.149E+01	1.225E+00
3.500E+03	5.651E+00	7.556E+01	4.679E+01	4.312E+00	2.051E+00	1.527E+01	1.237E+01	1.219E+00
3.600E+03	5.461E+00	7.905E+01	4.724E+01	4.378E+00	2.063E+00	1.643E+01	1.332E+01	1.214E+00
3.700E+03	5.276E+00	8.412E+01	4.771E+01	4.447E+00	2.078E+00	1.764E+01	1.439E+01	1.210E+00
3.800E+03	5.086E+00	8.868E+01	4.821E+01	4.516E+00	2.094E+00	1.906E+01	1.566E+01	1.207E+00
3.900E+03	4.920E+00	9.350E+01	4.872E+01	4.584E+00	2.114E+00	2.051E+01	1.659E+01	1.204E+00
4.000E+03	4.748E+00	9.885E+01	4.927E+01	4.651E+00	2.134E+00	2.196E+01	1.776E+01	1.203E+00
4.100E+03	4.579E+00	1.045E+02	4.983E+01	4.715E+00	2.146E+00	2.367E+01	1.901E+01	1.201E+00
4.200E+03	4.416E+00	1.106E+02	5.043E+01	4.863E+00	2.188E+00	2.534E+01	2.029E+01	1.201E+00
4.300E+03	4.252E+00	1.171E+02	5.105E+01	4.935E+00	2.218E+00	2.705E+01	2.150E+01	1.201F+00
4.400E+03	4.096E+00	1.243E+02	5.169E+01	5.031E+00	2.251E+00	2.877E+01	2.272E+01	1.232E+00
4.500E+03	3.939E+00	1.313E+02	5.230E+01	5.131E+00	2.288E+00	3.048E+01	2.391E+01	1.203E+00
4.600E+03	3.789E+00	1.380E+02	5.305E+01	5.239E+00	2.327E+00	3.215E+01	2.536E+01	1.204E+00
4.700E+03	3.633E+00	1.447E+02	5.376E+01	5.343E+00	2.369E+00	3.376E+01	2.639E+01	1.204E+00
4.800E+03	3.481E+00	1.501E+02	5.445E+01	5.455E+00	2.413E+00	3.522E+01	2.704E+01	1.239E+00

TABLE I.- Continued

T	E/E-E-1	H/H-1	S/S	A/A	Z	C/P/R	Cv/R	GAMMA
4.900E+03	3.364E+00	1.665E+02	5.523E+01	5.571E+00	2.640E+00	3.454E+01	2.786E+01	1.211E+00
5.000E+03	3.233E+00	1.737E+02	5.599E+01	5.690E+00	2.509E+00	3.773E+01	2.855E+01	1.214E+00
5.200E+03	2.987E+00	1.920E+02	5.750E+01	5.937E+00	2.611E+00	3.941E+01	2.945E+01	1.221E+00
5.400E+03	2.765E+00	2.124E+02	5.901E+01	6.190E+00	2.716E+00	4.011E+01	2.947E+01	1.229E+00
5.600E+03	2.547E+00	2.321E+02	6.048E+01	6.445E+00	2.821E+00	3.982E+01	2.924E+01	1.237E+00
5.800E+03	2.393E+00	2.515E+02	6.184E+01	6.698E+00	2.922E+00	3.866E+01	2.827E+01	1.245E+00
6.000E+03	2.241E+00	2.716E+02	6.312E+01	6.946E+00	3.016E+00	3.692E+01	2.695E+01	1.254E+00
6.200E+03	2.109E+00	2.877E+02	6.430E+01	7.179E+00	3.191E+00	3.491E+01	2.550E+01	1.261E+00
6.400E+03	1.994E+00	3.044E+02	6.537E+01	7.401E+00	3.178E+00	3.295E+01	2.412E+01	1.267E+00
6.600E+03	1.893E+00	3.202E+02	6.634E+01	7.608E+00	3.245E+00	3.125E+01	2.297E+01	1.271E+00
6.800E+03	1.804E+00	3.352E+02	6.727E+01	7.800E+00	3.305E+00	2.994E+01	2.213E+01	1.274E+00
7.000E+03	1.725E+00	3.497E+02	6.812E+01	7.978E+00	3.359E+00	2.912E+01	2.164E+01	1.274E+00
7.200E+03	1.653E+00	3.639E+02	6.893E+01	8.143E+00	3.407E+00	2.173E+01	2.149E+01	1.272E+00
7.400E+03	1.588E+00	3.780E+02	6.972E+01	8.300E+00	3.452E+00	2.871E+01	2.180E+01	1.269E+00
7.600E+03	1.527E+00	3.922E+02	7.048E+01	8.452E+00	3.494E+00	2.897E+01	2.192E+01	1.265F+00
7.800E+03	1.471E+00	4.065E+02	7.124E+01	8.601E+00	3.535E+00	2.940E+01	2.235E+01	1.262E+00
8.000E+03	1.418E+00	4.211E+02	7.198E+01	8.751E+00	3.574E+00	2.989E+01	2.279E+01	1.260F+00
8.200E+03	1.368E+00	4.355E+02	7.273E+01	8.906E+00	3.614E+00	3.032E+01	2.314E+01	1.259E+00
8.400E+03	1.323E+00	4.500E+02	7.346E+01	9.060E+00	3.650E+00	3.057E+01	2.338E+01	1.259F+00
8.600E+03	1.279E+00	4.646E+02	7.418E+01	9.219E+00	3.687E+00	3.058E+01	2.337E+01	1.261E+00
8.800E+03	1.238E+00	4.710E+02	7.480E+01	9.383E+00	3.722E+00	3.028E+01	2.310E+01	1.265F+00
9.000E+03	1.200E+00	4.956E+02	7.556E+01	9.552E+00	3.756E+00	2.965E+01	2.297E+01	1.270F+00
9.200E+03	1.164E+00	5.102E+02	7.624E+01	9.724E+00	3.788E+00	2.873E+01	2.176E+01	1.276E+00
9.400E+03	1.134E+00	5.241E+02	7.690E+01	9.895E+00	3.818E+00	2.536E+01	2.081E+01	1.284E+00
9.600E+03	1.105E+00	5.373E+02	7.757E+01	1.008E+01	3.845E+00	2.624E+01	1.971E+01	1.294E+00
9.800E+03	1.070E+00	5.494E+02	7.790E+01	1.025E+01	3.866E+00	2.446E+01	1.857E+01	1.335E+00
1.000E+04	1.042E+00	5.618E+02	7.838E+01	1.043E+01	3.891E+00	2.351E+01	1.765E+01	1.316E+00
1.020E+04	9.296E+01	6.132E+02	8.038E+01	1.124E+01	3.967E+00	1.900E+01	1.375E+01	1.361F+00
1.200E+04	6.410E-01	6.590E+02	8.199E+01	1.180E+01	4.016E+00	1.874E+01	1.362E+01	1.350E+00
1.300E+04	7.677E-01	7.070E+02	8.357E+01	1.222E+01	4.063E+00	2.132E+01	1.379E+01	1.329E+00
1.400E+04	7.024E-01	7.652E+02	8.530E+01	1.261E+01	4.124E+00	2.556E+01	1.946E+01	1.295F+00
1.500E+04	6.429E-01	8.354E+02	8.726E+01	1.304E+01	4.206E+00	3.154E+01	2.421E+01	1.269E+00
1.600E+04	5.875E-01	9.214E+02	8.918E+01	1.354E+01	4.314E+00	3.470E+01	2.984E+01	1.269E+00
1.700E+04	5.356E-01	1.027E+03	9.210E+01	1.411E+01	4.454E+00	4.679E+01	3.600E+01	1.236E+00
1.800E+04	4.869E-01	1.152E+03	9.561E+01	1.475E+01	4.627E+00	5.532E+01	4.221E+01	1.228E+00
1.900E+04	4.417E-01	1.299E+03	9.822E+01	1.546E+01	4.833E+00	6.355E+01	5.794E+01	1.224F+00
2.000E+04	4.030E-01	1.466E+03	1.017E+02	1.624E+01	5.068E+00	7.063E+01	7.257E+01	1.224F+00
2.100E+04	3.627E-01	1.645E+03	1.052E+02	1.767E+01	5.325E+00	7.574E+01	5.458E+01	1.227E+00
2.200E+04	3.296E-01	1.835E+03	1.088E+02	1.797E+01	5.596E+00	7.825E+01	5.667E+01	1.234E+00
2.300E+04	3.034E-01	2.028E+03	1.123E+02	1.889E+01	5.869E+00	7.798E+01	5.580E+01	1.246E+00
2.400E+04	2.755E-01	2.217E+03	1.158E+02	1.983E+01	6.133E+00	7.521E+01	5.325E+01	1.257E+00
2.500E+04	2.543E-01	2.394E+03	1.185E+02	2.078E+01	6.305E+00	7.061E+01	6.953E+01	1.274E+00
2.600E+04	2.362E-01	2.563E+03	1.212E+02	2.172E+01	6.601E+00	6.515F+01	6.520E+01	1.227F+00
2.700E+04	2.206E-01	2.718E+03	1.235E+02	2.264E+01	6.799E+00	5.918E+01	4.001E+01	1.313E+00
2.800E+04	2.070E-01	2.855E+03	1.256E+02	2.353E+01	6.965E+00	5.373E+01	3.675F+01	1.335F+00
2.900E+04	1.965E-01	2.991E+03	1.274E+02	2.474E+01	7.115E+00	4.640E+01	3.333E+01	1.355E+00
3.000E+04	1.867E-01	3.057E+03	1.295E+02	2.517E+01	7.245E+00	4.198E+01	3.059E+01	1.371E+00
3.100E+04	1.780E-01	3.205E+03	1.304E+02	2.590E+01	7.346E+00	4.259E+01	2.864E+01	1.385E+00
3.200E+04	1.703E-01	3.307E+03	1.317E+02	2.656E+01	7.442E+00	4.093E+01	2.764E+01	1.392E+00
3.300E+04	1.633E-01	3.407E+03	1.330E+02	2.711E+01	7.528E+00	4.026E+01	2.727E+01	1.392E+00
3.400E+04	1.589E-01	3.508E+03	1.342E+02	2.767E+01	7.604E+00	4.051E+01	2.785E+01	1.386E+00
3.500E+04	1.550E-01	3.607E+03	1.353E+02	2.806E+01	7.687E+00	4.155E+01	2.843E+01	1.376E+00
3.600E+04	1.454E-01	3.711E+03	1.365E+02	2.845E+01	7.750E+00	4.230E+01	3.006E+01	1.365E+00
3.700E+04	1.360E-01	3.820E+03	1.377E+02	2.886E+01	7.823E+00	4.323E+01	3.175E+01	1.354E+00
3.800E+04	1.281E-01	3.934E+03	1.390E+02	2.929E+01	7.897E+00	4.428E+01	3.368E+01	1.345E+00
3.900E+04	1.213E-01	4.045E+03	1.402E+02	2.975E+01	7.973E+00	4.537E+01	3.504E+01	1.339E+00
4.000E+04	1.157E-01	4.177E+03	1.415E+02	3.023E+01	8.050E+00	5.095E+01	3.625E+01	1.335E+00
4.100E+04	1.112E-01	4.304E+03	1.428E+02	3.075E+01	8.126E+00	5.195E+01	3.698E+01	1.335E+00
4.200E+04	1.077E-01	4.433E+03	1.440E+02	3.130E+01	8.205E+00	5.228E+01	3.717E+01	1.337E+00
4.300E+04	1.043E-01	4.562E+03	1.453E+02	3.187E+01	8.284E+00	5.248E+01	3.742E+01	1.342E+00
4.400E+04	1.013E-01	4.691E+03	1.466E+02	3.245E+01	8.358E+00	5.291E+01	3.768E+01	1.348E+00
4.500E+04	9.853E-02	4.818E+03	1.478E+02	3.306E+01	8.423E+00	5.330E+01	3.794E+01	1.354E+00
4.600E+04	9.627E-02	5.045E+03	1.490E+02	3.374E+01	8.494E+00	4.689E+01	4.689E+01	1.372E+00
4.800E+04	9.272E-02	5.276E+03	1.511E+02	3.533E+01	8.568E+00	4.664E+01	5.352E+01	1.380E+00
5.000E+04	9.571E-02	5.276E+03	1.511E+02	3.533E+01	8.634E+00	4.361F+01	5.333E+01	1.385E+00

P/P0 = 1.202E+02

T	BMO/BMO-0	H/HG	S/S	A/A	Z	C/P/R	Cv/R	GAMMA
5.000E+02	8.525E+01	-4.400E+00	2.249E+01	1.437E+00	1.142E+00	1.532E+01	1.204E+01	1.200E+00
6.000E+02	5.842E+01	-6.652E-01	2.612E+01	1.657E+00	1.377E+00	2.601E+01	1.776E+01	1.208E+00
7.000E+02	4.188E+01	6.535E+00	2.590E+01	1.799E+00	1.660E+00	2.299E+01	1.670E+01	1.230E+00
8.000E+02	3.294E+01	1.120E+01	2.260E+01	2.066E+00	1.847E+00	1.545E+01	1.135E+01	1.202E+00
9.000E+02	2.800E+01	1.465E+01	3.046E+01	2.211E+00	1.931E+00	1.602E+01	7.924E+00	1.223E+00
1.100E+03	2.475E+01	1.685E+01	3.930E+01	2.371E+00	1.981E+00	8.916E+00	6.916E+00	1.204E+00
1.400E+03	2.213E+01	1.895E+01	3.986E+01	2.504E+00	1.981E+00	8.205E+00	6.016E+00	1.333E+00
1.200E+03	2.034E+01	2.054E+01	3.930E+01	2.620E+00	1.989E+00	7.930E+00	5.690E+00	1.335E+00

TABLE I.- Continued

T	N / TAU	S / P	A / AU	L	CP / R	CV / R	GAMMA
1.300E+03	1.878E+01	2.289E+01	3.718E+01	2.726E+00	1.993E+00	1.891E+00	5.829E+00
1.400E+03	1.742E+01	2.684E+01	3.777E+01	2.625E+00	1.995E+00	1.904E+00	5.845E+00
1.500E+03	1.625E+01	2.680E+01	3.831E+01	2.520E+00	1.996E+00	1.952E+00	5.926E+00
1.600E+03	1.523E+01	2.678E+01	3.883E+01	3.011E+00	1.997E+00	2.015E+00	5.990E+00
1.700E+03	1.433E+01	3.077E+01	3.932E+01	3.099E+00	1.998E+00	2.084E+00	6.073E+00
1.800E+03	1.353E+01	3.278E+01	3.979E+01	3.186E+00	1.998E+00	2.161E+00	6.151E+00
1.900E+03	1.282E+01	3.481E+01	4.023E+01	3.266E+00	1.999E+00	2.240E+00	6.231E+00
2.000E+03	1.217E+01	3.684E+01	4.066E+01	3.344E+00	1.999E+00	2.320E+00	6.317E+00
2.100E+03	1.159E+C1	3.896E+01	4.127E+01	4.123E+00	1.999E+00	2.421E+00	6.411E+00
2.200E+03	1.106E+01	4.104E+01	4.174E+01	3.498E+00	2.000E+00	2.532E+00	6.511E+00
2.300E+03	1.058E+01	4.317E+01	4.185E+01	3.570E+00	2.000E+00	2.665E+00	6.643E+00
2.400E+03	1.014E+01	4.534E+01	4.223E+01	3.660E+00	2.011E+00	2.826E+00	6.794E+00
2.500E+C3	9.726E+00	4.755E+01	4.260F+01	3.707E+00	2.011E+00	9.023E+00	6.977E+00
2.600E+03	9.347E+00	4.982E+01	4.294E+01	3.772E+00	2.002E+00	9.266E+00	7.198E+00
2.700E+03	8.994E+00	5.216E+01	4.332E+01	3.835E+00	2.046E+00	9.561E+00	7.465E+00
2.800E+03	8.664E+00	5.458E+01	4.367E+01	3.897E+00	2.066E+00	9.918E+00	7.785E+00
2.900E+03	8.355E+00	5.710E+01	4.403E+01	3.956E+00	2.099E+00	1.035E+01	8.166E+00
3.000E+C3	8.062E+00	5.938E+01	4.460E+01	4.015E+00	2.012E+00	1.085E+01	8.607E+00
3.100E+03	7.780E+00	6.298E+01	4.677E+01	4.073E+00	2.016E+00	1.144E+01	9.118E+00
3.200E+03	7.522E+00	6.542E+01	4.514E+01	4.132E+00	2.022E+00	1.211E+01	9.722E+00
3.300E+03	7.270E+00	6.852E+01	4.553E+01	4.191E+00	2.028E+00	1.288E+01	1.036E+01
3.400E+03	7.024E+00	7.183E+01	4.593E+01	4.252E+00	2.036E+00	1.375E+01	1.109E+01
3.500E+03	6.796E+00	7.533E+01	4.633E+01	4.314E+00	2.046E+00	1.471E+01	1.190E+01
3.600E+03	6.570E+00	7.914E+01	4.678E+01	4.378E+00	2.057E+00	1.578E+01	1.278E+01
3.700E+03	6.352E+00	8.320E+01	4.723E+01	4.465E+00	2.071E+00	1.694E+01	1.372E+01
3.800E+03	6.139E+00	8.755E+01	4.770E+01	4.515E+00	2.086E+00	1.819E+01	1.473E+01
3.900E+03	5.931E+00	9.223E+01	4.820E+01	4.589E+00	2.104E+00	1.952E+01	1.579E+C1
4.000E+03	5.728E+00	9.725E+C1	4.871E+01	4.665E+00	2.124E+00	2.096E+01	1.690E+01
4.100E+03	5.530S+00	1.026E+02	4.925E+01	4.736E+00	2.146E+00	2.245E+01	1.804E+01
4.200E+03	5.336E+00	1.084E+C2	4.982E+01	4.830E+00	2.172E+00	2.400E+01	1.920E+01
4.300E+03	5.145E+00	1.145E+02	5.040E+01	4.918E+00	2.200E+00	2.560E+01	2.030E+01
4.400E+03	4.959E+C0	1.210E+02	5.101E+01	5.011E+00	2.230E+00	2.721E+01	2.154E+01
4.500E+03	4.777E+00	1.280E+02	5.165E+C1	5.107E+00	2.264E+00	2.863E+01	2.266E+01
4.600E+03	4.600E+C0	1.353E+02	5.230E+01	5.207E+00	2.300E+00	3.043E+01	2.377E+01
4.700E+03	4.427E+00	1.430E+02	5.298E+C1	5.312E+00	2.339E+00	3.198E+01	2.480E+01
4.800E+03	4.262E+00	1.511E+02	5.367E+01	5.420E+00	2.380E+00	3.344E+01	2.576E+01
4.900E+03	4.098E+00	1.595E+02	5.437E+C1	5.531E+00	2.424E+00	3.480E+01	2.661E+C1
5.000E+03	3.941E+00	1.683E+02	5.509E+C1	5.646E+00	2.470E+00	3.633E+01	2.773E+01
5.200E+03	3.667E+C0	1.865E+C2	5.654E+C1	5.865E+00	2.560E+00	3.794E+01	2.844E+01
5.400E+03	3.379E+00	2.056E+C2	5.800E+C1	6.132E+00	2.667E+00	3.903E+01	2.992E+01
5.500E+03	3.138E+00	2.296E+02	5.943E+01	6.303E+00	2.769E+00	3.920E+01	2.881E+01
5.800E+03	2.924E+00	2.446E+02	6.179E+C1	6.633E+00	2.869E+00	3.854E+01	2.814E+01
6.000E+03	2.736E+00	2.607E+02	6.208E+01	6.879E+00	2.964E+00	3.722E+01	2.712E+01
6.200E+03	2.572E+00	2.767E+C2	6.327E+01	7.116E+00	3.052E+00	3.551E+01	2.586E+01
6.400E+03	2.426E+00	2.916E+02	6.435E+C1	7.342E+00	3.131E+00	3.370E+01	2.456E+01
6.600E+03	2.303E+00	3.137E+02	6.537E+C1	7.559E+00	3.202E+00	3.202E+01	2.343E+01
6.800E+03	2.181E+03	3.291E+02	6.633E+C1	7.752E+00	3.266E+00	3.064E+01	2.252E+01
7.000E+03	2.041E+03	3.393E+02	6.717E+01	7.937E+00	3.323E+00	2.966E+01	2.191E+01
7.200E+03	1.907E+03	3.508E+02	6.800E+C1	8.108E+00	3.376E+00	2.905E+01	2.166E+01
7.400E+03	1.792E+03	3.725E+02	6.879E+01	8.270E+00	3.421E+00	2.885E+01	2.157E+01
7.600E+03	1.684E+03	3.867E+02	6.956E+C1	8.425E+00	3.465E+00	2.892E+01	2.176E+01
7.800E+03	1.579E+03	4.010E+02	7.031E+01	8.517E+00	3.506E+00	2.921E+01	2.208E+01
8.000E+C3	1.471E+03	4.154E+C2	7.105E+01	8.727E+00	3.547E+00	2.961E+01	2.247E+01
8.200E+03	1.365E+03	4.301E+C2	7.179E+01	8.879E+00	3.604E+00	3.001E+01	2.283E+01
8.400E+03	1.269E+03	4.450E+C2	7.251E+01	9.033E+00	3.661E+00	3.030E+01	2.306E+01
8.600E+03	1.175E+03	4.605E+C2	7.325E+01	9.191E+00	3.661E+00	3.041E+01	2.317E+01
8.800E+03	1.082E+03	4.769E+02	7.392E+01	9.352E+00	3.679E+00	3.025E+01	2.303E+01
9.000E+03	9.949E+00	4.937E+02	7.460E+C1	9.518E+00	3.732E+00	2.981E+01	2.265E+01
9.200E+03	9.105E+00	5.062E+02	7.524E+01	9.687E+00	3.767E+00	2.97C1+01	2.203E+01
9.400E+03	8.326E+00	5.183E+C2	7.586E+C1	9.859E+00	3.799E+00	2.888E+01	2.185E+01
9.600E+03	7.516E+00	5.312E+02	7.644E+01	1.003E+01	3.824E+00	2.895E+01	2.021E+01
9.800E+03	6.795E+00	5.447E+02	7.698E+01	1.021E+01	3.849E+00	2.960E+01	1.914E+01
1.000E+04	6.127E+C0	5.707E+02	7.748E+01	1.039E+01	3.873E+00	2.928E+01	1.805E+01
1.100E+04	1.118E+00	6.100E+02	7.935E+01	1.121E+01	3.956E+00	1.939E+01	1.405E+01
1.200E+04	1.012E+00	6.560E+02	8.116E+01	1.180E+01	4.007E+00	1.859E+01	1.346E+01
1.300E+04	9.236E-01	7.039E+02	8.271E+01	1.223E+01	4.053E+00	2.065E+01	1.326E+01
1.400E+04	8.457E-01	7.592E+02	8.437E+01	1.262E+01	4.110E+00	2.459L+01	1.055E+01
1.500E+04	7.751E-01	8.262E+02	8.625E+01	1.306E+01	4.186E+00	2.499E+01	2.294E+01
1.600E+C4	7.097E-01	8.796E+C2	8.838E+C1	1.352E+01	4.266E+00	2.662E+01	2.222E+01
1.700E+C4	6.486E-01	1.070E+C3	9.082E+01	1.404E+01	4.416E+00	2.641E+01	2.394E+00
1.800E+C4	5.913E-01	1.126E+03	9.357E+01	1.468E+01	4.573E+00	2.522E+01	2.399E+01
1.900E+C4	5.374E-01	1.264E+03	9.666E+C1	1.533E+01	4.762E+00	2.601E+01	2.298E+01
2.000E+C4	4.886E-01	1.397E+03	9.997E+01	1.604E+01	4.960E+00	2.697E+01	2.238E+01
2.100E+C4	4.439E-J1	1.595E+03	1.033E+02	1.690E+01	5.221E+00	2.762E+01	2.361E+01
2.200E+C4	4.039E-01	1.777E+03	1.067E+02	1.775E+01	5.477E+00	2.870E+01	2.308E+00
2.300E+C4	3.687E-C1	1.964E+03	1.101E+02	1.846E+01	5.739E+00	2.964E+01	2.298E+00
2.400E+C4	3.382E-01	2.151E+03	1.133E+C2	1.959E+01	5.946E+00	2.945E+01	2.291E+00
2.500E+C4	3.119E-01	2.330E+03	1.163E+02	2.049E+01	6.241E+00	2.997E+01	2.266E+00
2.600E+C4	2.895E-01	2.499E+03	1.190E+02	2.152E+01	6.465E+00	2.612E+01	2.204E+00
2.700E+C4	2.703E-01	2.655E+03	1.214E+02	2.233E+01	6.676E+00	2.677E+01	2.199E+01
2.800E+C4	2.533E-01	2.757E+C3	1.235E+C2	2.322E+01	6.885E+00	5.533E+01	2.125E+00
2.900E+B4	2.398E-01	2.928E+03	1.253E+C2	2.408E+01	6.999E+00	5.082E+01	2.046E+00
3.000E+B4	2.274E-01	3.046E+03	1.270E+C2	2.490E+01	7.132E+00	4.690E+01	1.968E+00
3.100E+C4	2.166E-01	3.101E+03	1.285E+02	2.565E+01	7.246E+00	4.389E+01	1.953E+01
3.200E+C4	2.069E-01	3.269E+03	1.298E+02	2.633E+01	7.349E+00	4.186E+01	1.813E+01
3.300E+C4	1.982E-01	3.368E+03	1.311E+02	2.696E+01	7.439E+00	4.076E+01	1.745E+01
3.400E+C4	1.903E-01	3.466E+03	1.323E+02	2.767E+01	7.521E+00	4.051E+01	1.706E+01

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE I.- Continued

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
3.500E+04	1.830E-01	3.566E+03	1.335E+02	2.794E+01	7.598E+00	4.109E+01	2.808E+01	1.381E+00
3.600E+04	1.762E-01	3.069E+03	1.367E+02	2.837E+01	7.673E+00	4.231E+01	2.910E+01	1.371E+00
3.700E+04	1.698E-01	3.775E+03	1.358E+02	2.879E+01	7.766E+00	4.401E+01	3.062E+01	1.381E+00
3.800E+04	1.638E-01	3.886E+03	1.370E+02	2.922E+01	7.820E+00	4.596E+01	3.222E+01	1.351E+00
3.900E+04	1.581E-01	4.001E+03	1.382E+02	2.966E+01	7.895E+00	4.790E+01	3.377E+01	1.244E+00
4.000E+04	1.524E-01	4.122E+03	1.395E+02	3.013E+01	7.971E+00	4.961E+01	3.510E+01	1.239E+00
4.100E+04	1.475E-01	4.246E+03	1.407E+02	3.063E+01	8.049E+00	5.089E+01	3.604E+01	1.227E+00
4.200E+04	1.426E-01	4.372E+03	1.420E+02	3.115E+01	8.123E+00	5.160E+01	3.654E+01	1.238E+00
4.300E+04	1.380E-01	4.499E+03	1.432E+02	3.171E+01	8.202E+00	5.170E+01	3.658E+01	1.238E+00
4.400E+04	1.337E-01	4.626E+03	1.444E+02	3.228E+01	8.276E+00	5.214E+01	3.617E+01	1.246E+00
4.500E+04	1.296E-01	4.752E+03	1.455E+02	3.286E+01	8.346E+00	5.032E+01	3.541E+01	1.232E+00
4.600E+04	1.258E-01	4.874E+03	1.466E+02	3.345E+01	8.413E+00	4.911E+01	3.444E+01	1.240E+00
4.700E+04	1.222E-01	4.994E+03	1.476E+02	3.403E+01	8.475E+00	4.775E+01	3.338E+01	1.246E+00
4.800E+04	1.188E-01	5.110E+03	1.486E+02	3.461E+01	8.533E+00	4.639E+01	3.231E+01	1.237E+00
4.900E+04	1.157E-01	5.222E+03	1.496E+02	3.514E+01	8.586E+00	4.518E+01	3.139E+01	1.232E+00
5.000E+04	1.127E-01	5.333E+03	1.505E+02	3.568E+01	8.636E+00	4.422E+01	3.068E+01	1.238E+00

P/PD = 1.40E+02

T	RHO/RHO-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
3.500E+02	1.000E+02	-6.005E+02	2.219E+01	1.202E+00	1.132E+00	1.456E+01	1.146E+01	1.222E+00
3.600E+02	6.997E+01	1.021E-01	2.565E+01	1.444E+00	1.332E+00	2.313E+01	1.719E+01	1.228E+00
3.700E+02	4.972E+01	6.089E+00	2.538E+01	1.732E+00	1.631E+00	2.326E+01	1.686E+01	1.236E+00
3.800E+02	3.884E+01	1.056E+01	3.2C6E+01	1.992E+00	1.827E+00	1.621E+01	1.185E+01	1.227E+00
3.900E+02	3.284E+01	1.422E+01	3.303E+01	2.201E+00	1.921E+00	1.278E+01	8.269E+00	1.318E+00
4.100E+02	2.856E+01	1.675E+01	3.409E+01	2.366E+00	1.961E+00	9.140E+00	6.681E+00	1.334E+00
4.200E+02	2.381E+01	2.090E+01	3.552E+01	2.500E+00	1.978E+00	8.317E+00	6.090E+00	1.351E+00
4.300E+02	2.193E+01	2.267E+01	3.687E+01	2.618E+00	1.987E+00	8.014E+00	5.891E+00	1.352E+00
4.400E+02	2.034E+01	2.488E+01	3.745E+01	2.824E+00	1.994E+00	7.924E+00	5.852E+00	1.349E+00
4.500E+02	1.896E+01	2.679E+01	3.806E+01	2.919E+00	1.996E+00	7.946E+00	5.879E+00	1.344E+00
4.600E+02	1.777E+01	2.677E+01	3.852E+01	3.011E+00	1.997E+00	8.023E+00	6.003E+00	1.335E+00
4.700E+02	1.672E+01	3.076E+01	3.901E+01	3.098E+00	1.998E+00	8.011E+00	6.076E+00	1.330E+00
4.800E+02	1.579E+01	3.277E+01	3.946E+01	3.184E+00	1.998E+00	8.016E+00	6.153E+00	1.324E+00
4.900E+02	1.495E+01	3.481E+01	3.993E+01	3.266E+00	1.998E+00	8.241E+00	6.232E+00	1.321E+00
5.000E+02	1.420E+01	3.686E+01	4.033E+01	3.346E+00	1.999E+00	8.324E+00	6.315E+00	1.317E+00
5.100E+02	1.352E+01	3.893E+01	4.076E+01	3.423E+00	1.999E+00	8.417E+00	6.406E+00	1.313E+00
5.200E+02	1.291E+01	4.103E+01	4.116E+01	3.494E+00	1.999E+00	8.523E+00	6.509E+00	1.309E+00
5.300E+02	1.241E+01	4.316E+01	4.154E+01	3.571E+00	2.000E+00	8.642E+00	6.625E+00	1.304E+00
5.400E+02	1.183E+01	4.533E+01	4.192E+01	3.641E+00	2.000E+00	8.802E+00	6.772E+00	1.255E+00
5.500E+02	1.135E+01	4.733E+01	4.229E+01	3.708E+00	2.001E+00	8.988E+00	6.945E+00	1.253E+00
5.600E+02	1.091E+01	4.979E+01	4.262E+01	3.774E+00	2.002E+00	9.216E+00	7.153E+00	1.252E+00
5.700E+02	1.056E+01	5.212E+01	4.3C0E+01	3.837E+00	2.004E+00	9.492E+00	7.404E+00	1.248E+00
5.800E+02	1.011E+01	5.451E+01	4.336E+01	3.898E+00	2.005E+00	9.826E+00	7.72CE+00	1.242E+00
5.900E+02	9.751E+00	5.70CE+01	4.371E+01	3.955E+00	2.008E+00	1.022E+01	8.056E+00	1.236E+00
6.100E+02	9.089E+00	6.232E+01	4.407E+01	4.018E+00	2.011E+00	1.069E+01	8.408E+00	1.229E+00
6.200E+02	8.783E+00	6.717E+01	4.443E+01	4.070E+00	2.015E+00	1.124E+01	8.945E+00	1.221E+00
6.300E+02	8.611E+00	6.823E+01	4.488E+01	4.135E+00	2.020E+00	1.187E+01	9.488E+00	1.214E+00
6.400E+02	8.211L+00	7.145E+01	4.527E+01	4.194E+00	2.026E+00	1.258E+01	1.010E+01	1.213E+00
6.500E+02	7.942E+00	7.089E+01	4.558E+01	4.254E+00	2.033E+00	1.339E+01	1.078E+01	1.213E+00
6.600E+02	7.682E+00	7.455E+01	4.604E+01	4.312E+00	2.043E+00	1.428E+01	1.153E+01	1.223E+00
6.700E+02	7.424E+00	7.829E+01	4.664E+01	4.379E+00	2.052E+00	1.527E+01	1.235E+01	1.220E+00
6.800E+02	7.184E+00	8.066E+01	4.729E+01	4.442E+00	2.063E+00	1.635E+01	1.323E+01	1.216E+00
6.900E+02	6.949E+00	8.232E+01	4.794E+01	4.501E+00	2.064E+00	1.752E+01	1.417E+01	1.212E+00
7.000E+02	6.712E+00	9.599E+01	4.862E+01	4.660E+00	2.079E+00	1.877E+01	1.517E+01	1.201E+00
7.100E+02	6.484E+00	1.011E+02	4.928E+01	4.728E+00	2.092E+00	2.010E+01	1.620E+01	1.208E+00
7.200E+02	6.261E+00	1.067E+02	4.982E+01	4.892E+00	2.113E+00	2.149E+01	1.728E+01	1.206E+00
7.300E+02	6.043E+00	1.034E+02	5.036E+01	4.948E+00	2.159E+00	2.295E+01	1.837E+01	1.205E+00
7.400E+02	5.824E+00	1.080E+02	5.094E+01	5.004E+00	2.189E+00	2.454E+01	1.948E+01	1.205E+00
7.500E+02	5.602E+00	1.020E+02	5.154E+01	5.167E+00	2.210E+00	2.625E+01	2.059E+01	1.205E+00
7.600E+02	5.416E+00	1.084E+02	5.216E+01	5.231E+00	2.231E+00	2.792E+01	2.168E+01	1.204E+00
7.700E+02	5.218E+00	1.139E+02	5.287E+01	5.295E+00	2.279E+00	2.950E+01	2.274E+01	1.203E+00
7.800E+02	5.029E+00	1.197E+02	5.359E+01	5.357E+00	2.315E+00	3.055E+01	2.375E+01	1.202E+00
7.900E+02	4.838E+00	1.255E+02	5.437E+01	5.420E+00	2.394E+00	3.194E+01	2.470E+01	1.201E+00
8.000E+02	4.657E+00	1.313E+02	5.519E+01	5.500E+00	2.393E+00	3.334E+01	2.557E+01	1.222E+00
8.100E+02	4.471E+00	1.371E+02	5.602E+01	5.586E+00	2.483E+00	3.495E+01	2.634E+01	1.219E+00
8.200E+02	4.294E+00	1.430E+02	5.686E+01	5.664E+00	2.541E+00	3.664E+01	2.738E+01	1.221E+00
8.300E+02	4.116E+00	1.488E+02	5.751E+01	5.734E+00	2.627E+00	3.798E+01	2.821E+01	1.222E+00
8.400E+02	3.941E+00	1.546E+02	5.816E+01	5.804E+00	2.721E+00	3.950E+01	2.923E+01	1.223E+00
8.500E+02	3.764E+00	1.604E+02	5.881E+01	5.874E+00	2.825E+00	4.102E+01	3.025E+01	1.224E+00
8.600E+02	3.587E+00	1.662E+02	5.945E+01	5.944E+00	2.920E+00	4.253E+01	3.126E+01	1.225E+00
8.700E+02	3.411E+00	1.720E+02	6.009E+01	6.014E+00	2.997E+00	4.394E+01	3.225E+01	1.226E+00
8.800E+02	3.234E+00	1.778E+02	6.074E+01	6.084E+00	3.092E+00	4.535E+01	3.325E+01	1.227E+00
8.900E+02	3.056E+00	1.836E+02	6.139E+01	6.154E+00	3.192E+00	4.670E+01	3.425E+01	1.228E+00
9.000E+02	2.878E+00	1.894E+02	6.204E+01	6.224E+00	3.289E+00	4.805E+01	3.525E+01	1.229E+00
9.100E+02	2.701E+00	1.951E+02	6.269E+01	6.294E+00	3.386E+00	4.936E+01	3.625E+01	1.230E+00
9.200E+02	2.524E+00	2.008E+02	6.334E+01	6.364E+00	3.483E+00	5.066E+01	3.725E+01	1.231E+00
9.300E+02	2.347E+00	2.065E+02	6.400E+01	6.434E+00	3.582E+00	5.195E+01	3.825E+01	1.232E+00
9.400E+02	2.171E+00	2.122E+02	6.465E+01	6.494E+00	3.681E+00	5.325E+01	3.925E+01	1.233E+00
9.500E+02	1.995E+00	2.179E+02	6.530E+01	6.564E+00	3.779E+00	5.455E+01	4.025E+01	1.234E+00
9.600E+02	1.819E+00	2.236E+02	6.595E+01	6.634E+00	3.877E+00	5.585E+01	4.125E+01	1.235E+00
9.700E+02	1.643E+00	2.293E+02	6.660E+01	6.704E+00	3.976E+00	5.715E+01	4.225E+01	1.236E+00
9.800E+02	1.467E+00							

TABLE I.- Continued

T	K/L/K-U-U-U	H/HTJ	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
9.000E+03	1.701E+00	4.844E+02	7.379E+01	9.489E+00	3.710E+00	2.947E+01	2.266E+01	1.249E+00
9.200E+03	1.649E+00	4.930E+02	7.444E+01	9.656E+00	3.743E+00	2.928E+01	2.216E+01	1.274E+00
9.400E+03	1.600E+00	5.132E+02	7.504E+01	9.825E+00	3.775E+00	2.843E+01	2.145E+01	1.288E+00
9.600E+03	1.555E+00	5.269E+02	7.564E+01	9.590E+00	3.805E+00	2.737E+01	2.057E+01	1.287E+00
9.800E+03	1.512E+00	5.401E+02	7.620E+01	1.017E+01	3.832E+00	2.617E+01	1.950E+01	1.294E+00
1.000E+04	1.472E+00	5.527E+02	7.671E+01	1.035E+01	3.856E+00	2.491E+01	1.854E+01	1.304E+00
1.100E+04	1.304E+00	6.070E+02	7.882E+01	1.118E+01	1.979E+00	1.853E+01	1.435E+01	1.354E+00
1.200E+04	1.183E+00	6.535E+02	6.046E+01	1.180E+01	3.999E+00	1.853E+01	1.339E+01	1.365E+00
1.300E+04	1.080E+00	7.007E+02	6.159E+01	1.224E+01	4.045E+00	2.021E+01	1.487E+01	1.341E+00
1.400E+04	9.839E-01	7.545E+02	6.336E+01	1.263E+01	4.099E+00	2.378E+01	1.787E+01	1.306E+00
1.500E+04	9.077E-01	8.190E+02	6.541E+01	1.304E+01	4.170E+00	2.879E+01	2.198E+01	1.279E+00
1.600E+04	8.326E-01	8.973E+02	6.745E+01	1.350E+01	4.263E+00	3.500E+01	2.696E+01	1.257E+00
1.700E+04	7.621E-01	9.920E+02	6.974E+01	1.402E+01	4.382E+00	4.214E+01	3.246E+01	1.241E+00
1.800E+04	6.963E-01	1.105E+03	9.240E+01	1.461E+01	4.530E+00	4.981E+01	3.821E+01	1.231E+00
1.900E+04	6.349E-01	1.237E+03	9.529E+01	1.526E+01	4.707E+00	5.746E+01	4.369E+01	1.225E+00
2.000E+04	5.770E-01	1.387E+03	9.842E+01	1.594E+01	4.912E+00	6.442E+01	4.842E+01	1.222E+00
2.100E+04	5.262E-01	1.553E+03	1.017E+02	1.675E+01	5.138E+00	6.999E+01	5.192E+01	1.223E+00
2.200E+04	4.796E-01	1.730E+03	1.150E+02	1.750E+01	5.382E+00	7.357E+01	5.386E+01	1.220E+00
2.300E+04	4.382E-01	1.913E+03	1.043E+02	1.846E+01	5.633E+00	7.485E+01	5.610E+01	1.235E+00
2.400E+04	4.021E-01	2.096E+03	1.115E+02	1.934E+01	5.883E+00	7.386E+01	5.275E+01	1.246E+00
2.500E+04	3.709E-01	2.274E+03	1.174E+02	2.025E+01	6.124E+00	7.096E+01	5.013E+01	1.260E+00
2.600E+04	3.440E-01	2.444E+03	1.217E+02	2.116E+01	6.364E+00	6.673E+01	4.667E+01	1.276E+00
2.700E+04	3.209E-01	2.602E+03	1.249E+02	2.207E+01	6.552E+00	6.104E+01	4.204E+01	1.295E+00
2.800E+04	3.011E-01	2.747E+03	1.217E+02	2.296E+01	6.735E+00	5.605E+01	3.903E+01	1.315E+00
2.900E+04	2.840E-01	2.881E+03	1.236E+02	2.382E+01	6.895E+00	5.222E+01	3.555E+01	1.335E+00
3.000E+04	2.690E-01	3.004E+03	1.253E+02	2.465E+01	7.035E+00	4.823E+01	3.260E+01	1.354E+00
3.100E+04	2.559E-01	3.119E+03	1.268E+02	2.542E+01	7.157E+00	4.504E+01	3.029E+01	1.370E+00
3.200E+04	2.443E-01	3.227E+03	1.282E+02	2.613E+01	7.264E+00	4.272E+01	2.867E+01	1.382E+00
3.300E+04	2.338E-01	3.330E+03	1.295E+02	2.677E+01	7.359E+00	4.129E+01	2.773E+01	1.398E+00
3.400E+04	2.243E-01	3.430E+03	1.307E+02	2.733E+01	7.446E+00	4.017E+01	2.745E+01	1.388E+00
3.500E+04	2.155E-01	3.531E+03	1.319E+02	2.783E+01	7.526E+00	3.905E+01	2.777E+01	1.384E+00
3.600E+04	2.075E-01	3.632E+03	1.331E+02	2.829E+01	7.602E+00	4.176E+01	2.860E+01	1.376E+00
3.700E+04	1.999E-01	3.737E+03	1.342E+02	2.872E+01	7.677E+00	4.315E+01	2.980E+01	1.366E+00
3.800E+04	1.928E-01	3.845E+03	1.354E+02	2.914E+01	7.751E+00	4.488E+01	3.124E+01	1.357E+00
3.900E+04	1.866E-01	3.958E+03	1.366E+02	2.958E+01	7.826E+00	4.672E+01	3.273E+01	1.349E+00
4.000E+04	1.796E-01	4.075E+03	1.378E+02	3.004E+01	7.902E+00	4.846E+01	3.410E+01	1.343E+00
4.100E+04	1.736E-01	4.196E+03	1.390E+02	3.052E+01	7.979E+00	4.988E+01	3.519E+01	1.340E+00
4.200E+04	1.670E-01	4.320E+03	1.402E+02	3.104E+01	8.056E+00	5.084E+01	3.589E+01	1.339E+00
4.300E+04	1.612E-01	4.446E+03	1.414E+02	3.157E+01	8.132E+00	5.126E+01	3.617E+01	1.341E+00
4.400E+04	1.556E-01	4.573E+03	1.426E+02	3.213E+01	8.207E+00	5.114E+01	3.602E+01	1.345E+00
4.500E+04	1.502E-01	4.698E+03	1.437E+02	3.270E+01	8.279E+00	5.053E+01	3.555E+01	1.350E+00
4.600E+04	1.447E-01	4.821E+03	1.448E+02	3.328E+01	8.348E+00	4.956E+01	3.471E+01	1.357E+00
4.700E+04	1.386E-01	4.942E+03	1.459E+02	3.387E+01	8.412E+00	4.837E+01	3.376E+01	1.365E+00
4.800E+04	1.336E-01	5.060E+03	1.469E+02	3.444E+01	8.473E+00	4.709E+01	3.270E+01	1.372E+00
4.900E+04	1.359E-01	5.174E+03	1.479E+02	3.500E+01	8.529E+00	4.586E+01	3.183E+01	1.379E+00
5.000E+04	1.323E-01	5.286E+03	1.488E+02	3.554E+01	8.582E+00	4.481E+01	3.103E+01	1.385E+00

P/PC = 1.60E+02

T	RHO/RHO-U	H/RTC	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	1.155E+02	-4.731E+00	2.194E+01	1.199E+00	1.123E+00	1.349E+01	1.099E+01	1.203E+00
6.000E+02	6.114E+01	-2.151E+01	2.525E+01	1.433E+00	1.532E+00	2.235E+01	1.665E+01	1.204E+00
7.000E+02	5.773E+01	5.056E+00	2.852E+01	1.717E+00	1.606E+00	2.338E+01	1.693E+01	1.234E+00
8.000E+02	4.483E+01	1.066E+01	3.164E+01	1.980E+00	1.809E+00	1.608E+01	1.227E+01	1.214E+00
9.000E+02	3.771E+01	1.411E+01	3.330E+01	2.192E+00	1.911E+00	1.416E+01	8.550E+00	1.314E+00
1.000E+03	3.319E+01	1.667E+01	3.419E+01	2.360E+00	1.955E+00	9.357E+00	6.837E+00	1.360E+00
1.100E+03	2.848E+01	1.884E+01	3.523E+01	2.497E+00	1.975E+00	8.427E+00	6.168E+00	1.350E+00
1.200E+03	2.724E+01	2.087E+01	3.595E+01	2.616E+00	1.988E+00	7.979E+00	5.988E+00	1.351E+00
1.300E+03	2.508E+01	2.285E+01	3.659E+01	2.723E+00	1.991E+00	7.595E+00	5.874E+00	1.348E+00
1.400E+03	2.324E+01	2.481E+01	3.718E+01	2.824E+00	1.993E+00	7.494E+00	5.892E+00	1.344E+00
1.500E+03	2.166E+01	2.677E+01	3.773E+01	2.919E+00	1.995E+00	7.476E+00	5.943E+00	1.339E+00
1.600E+03	2.031E+01	2.876E+01	3.825E+01	3.010E+00	1.996E+00	8.031E+00	6.008E+00	1.334E+00
1.700E+03	1.911E+01	3.076E+01	3.876E+01	3.096E+00	1.997E+00	8.097E+00	6.080E+00	1.330E+00
1.800E+03	1.804E+01	3.277E+01	3.921E+01	3.183E+00	1.998E+00	8.167E+00	6.156E+00	1.324E+00
1.900E+03	1.704E+01	3.480E+01	3.966E+01	3.268E+00	1.998E+00	8.245E+00	6.232E+00	1.321E+00
2.000E+03	1.623E+01	3.685E+01	4.008E+01	3.346E+00	1.999E+00	8.324E+00	6.314E+00	1.317E+00
2.100E+03	1.566E+01	3.893E+01	4.05CE+01	3.423E+00	1.999E+00	8.414E+00	6.402E+00	1.313E+00
2.200E+03	1.515E+01	4.109E+01	4.109E+01	3.498E+00	1.999E+00	8.516E+00	6.502E+00	1.309E+00
2.300E+03	1.471E+01	4.315E+01	4.128E+01	3.571E+00	2.000E+00	8.638E+00	6.618E+00	1.306E+00
2.400E+03	1.435E+01	4.521E+01	4.165E+01	3.661E+00	2.000E+00	8.738E+00	6.755E+00	1.299E+00
2.500E+03	1.407E+01	4.725E+01	4.2C2E+01	3.709E+00	2.001E+00	8.806E+00	6.919E+00	1.294E+00
2.600E+03	1.387E+01	4.927E+01	4.237E+01	3.775E+00	2.002E+00	8.917E+00	7.088E+00	1.288E+00
2.700E+03	1.360E+01	5.228E+01	4.273E+01	3.839E+00	2.003E+00	9.037E+00	7.253E+00	1.282E+00
2.800E+03	1.336E+01	5.446E+01	4.308E+01	3.901E+00	2.005E+00	9.175E+00	7.336E+00	1.275E+00
2.900E+03	1.315E+01	5.693E+01	4.343E+01	3.961E+00	2.007E+00	9.103E+00	7.468E+00	1.268E+00
3.000E+03	1.296E+01	5.950E+01	4.379E+01	4.020E+00	2.010E+00	9.057E+00	7.537E+00	1.261E+00
3.100E+03	1.279E+01	6.219E+01	4.415E+01	4.079E+00	2.014E+00	9.108E+00	7.604E+00	1.253E+00
3.200E+03	1.264E+01	6.501E+01	4.451E+01	4.131E+00	2.019E+00	9.167E+00	7.675E+00	1.246E+00
3.300E+03	9.713E+00	6.799E+01	4.488E+01	4.196E+00	2.024E+00	9.234E+00	7.890E+00	1.240E+00

TABLE I. - Continued

T	$\alpha_1 / \alpha_2 - 1$	H/R/T/U	S/H	A/A/D	L	C/P/R	C/V/R	GAMMA
3.400E+03	9.395E+00	7.115E+01	4.527E+01	4.256E+00	2.031E+00	1.309E+01	1.053E+01	1.234E+00
3.500E+03	9.089E+00	7.451E+01	4.566E+01	4.317E+00	2.040E+00	1.394E+01	1.124E+01	1.220E+00
3.600E+03	8.794E+00	7.808E+01	4.607E+01	4.380E+00	2.050E+00	1.486E+01	1.200E+01	1.223E+00
3.700E+03	8.508E+00	8.190E+01	4.650E+01	4.465E+00	2.061E+00	1.588E+01	1.283E+01	1.219E+00
3.800E+03	8.231E+00	8.597E+01	4.694E+01	4.512E+00	2.075E+00	1.697E+01	1.372E+01	1.215E+00
3.900E+03	7.961E+00	9.033E+01	4.746E+01	4.583E+00	2.090E+00	1.815E+01	1.466E+01	1.212E+00
4.000E+03	7.698E+00	9.498E+01	4.788E+01	4.656E+00	2.107E+00	1.940E+01	1.544E+01	1.210E+00
4.100E+03	7.441E+00	9.955E+01	4.838E+01	4.732E+00	2.127E+00	2.072E+01	1.625E+01	1.208E+00
4.200E+03	7.189E+00	1.053E+02	4.890E+01	4.812E+00	2.149E+00	2.209E+01	1.770E+01	1.207E+00
4.300E+03	6.943E+00	1.109E+02	4.944E+01	4.896E+00	2.173E+00	2.351E+01	1.875E+01	1.207E+00
4.400E+03	6.702E+00	1.169E+02	5.000E+01	4.983E+00	2.204E+00	2.496E+01	1.981E+01	1.207E+00
4.500E+03	6.467E+00	1.233E+02	5.056E+01	5.074E+00	2.230E+00	2.644E+01	2.086E+01	1.207E+00
4.600E+03	6.237E+00	1.300E+02	5.110E+01	5.166E+00	2.262E+00	2.791E+01	2.189E+01	1.206E+00
4.700E+03	6.013E+00	1.371E+02	5.180E+01	5.267E+00	2.296E+00	2.935E+01	2.288E+01	1.209E+00
4.800E+03	5.795E+00	1.445E+02	5.233E+01	5.369E+00	2.333E+00	3.076E+01	2.381E+01	1.211E+00
4.900E+03	5.584E+00	1.523E+02	5.308E+01	5.474E+00	2.372E+00	3.210E+01	2.400E+01	1.213E+00
5.000E+03	5.379E+00	1.604E+02	5.375E+01	5.583E+00	2.413E+00	3.335E+01	2.546E+01	1.215E+00
5.200E+03	4.990E+00	1.774E+02	5.510E+01	5.690E+00	2.501E+00	3.549E+01	2.673E+01	1.218E+00
5.400E+03	4.632E+00	1.953E+02	5.647E+01	6.045E+00	2.594E+00	3.700E+01	2.754E+01	1.227E+00
5.600E+03	4.307E+00	2.137E+02	5.784E+01	6.287E+00	2.690E+00	3.778E+01	2.784E+01	1.234E+00
5.800E+03	4.014E+00	2.324E+02	5.916E+01	6.531E+00	2.787E+00	3.781E+01	2.765E+01	1.241E+00
6.000E+03	3.756E+00	2.508E+02	6.446E+01	6.774E+00	2.881E+00	3.716E+01	2.704E+01	1.249E+00
6.200E+03	3.523E+00	2.694E+02	6.133E+01	7.012E+00	2.971E+00	3.601E+01	2.614E+01	1.256E+00
6.400E+03	3.322E+00	2.882E+02	6.275E+01	7.242E+00	3.053E+00	3.457E+01	2.509E+01	1.263E+00
6.600E+03	3.142E+00	3.072E+02	6.379E+01	7.461E+00	3.124E+00	3.307E+01	2.405E+01	1.268E+00
6.800E+03	2.984E+00	3.187E+02	6.476E+01	7.667E+00	3.194E+00	3.168E+01	2.312E+01	1.272E+00
7.000E+03	2.844E+00	3.304E+02	6.555E+01	7.861E+00	3.260E+00	3.055E+01	2.239E+01	1.274E+00
7.200E+03	2.718E+00	3.488E+02	6.650E+01	8.042E+00	3.316E+00	2.973E+01	2.190E+01	1.275E+00
7.400E+03	2.605E+00	3.633E+02	6.730E+01	8.213E+00	3.367E+00	2.924E+01	2.147E+01	1.274E+00
7.600E+03	2.501E+00	3.776E+02	6.804E+01	8.375E+00	3.414E+00	2.905E+01	2.145E+01	1.272E+00
7.800E+03	2.406E+00	3.919E+02	6.883E+01	8.531E+00	3.454E+00	2.911E+01	2.181E+01	1.265E+00
8.000E+03	2.317E+00	4.062E+02	6.957E+01	8.684E+00	3.500E+00	2.933E+01	2.207E+01	1.267E+00
8.200E+03	2.235E+00	4.207E+02	7.030E+01	8.836E+00	3.546E+00	2.982E+01	2.237E+01	1.265E+00
8.400E+03	2.158E+00	4.354E+02	7.101E+01	8.990E+00	3.579E+00	2.950E+01	2.264E+01	1.264E+00
8.600E+03	2.086E+00	4.501E+02	7.172E+01	9.145E+00	3.618E+00	3.009E+01	2.280E+01	1.265E+00
8.800E+03	2.018E+00	4.650E+02	7.241E+01	9.303E+00	3.654E+00	3.009E+01	2.281E+01	1.266E+00
9.000E+03	1.954E+00	4.797E+02	7.304E+01	9.464E+00	3.690E+00	2.988E+01	2.263E+01	1.268E+00
9.200E+03	1.894E+00	5.943E+02	7.373E+01	9.629E+00	3.724E+00	2.940E+01	2.223E+01	1.273E+00
9.400E+03	1.837E+00	6.096E+02	7.436E+01	9.797E+00	3.757E+00	2.866E+01	2.162E+01	1.279E+00
9.600E+03	1.785E+00	5.225E+02	7.495E+01	9.967E+00	3.787E+00	2.774E+01	2.044E+01	1.283E+00
9.800E+03	1.736E+00	5.359E+02	7.559E+01	1.014E+01	3.815E+00	2.663E+01	1.992E+01	1.294E+00
1.000E+04	1.689E+00	5.487E+02	7.604E+01	1.031E+01	3.841E+00	2.543E+01	1.893E+01	1.303E+00
1.100E+04	1.499E+00	6.043E+02	7.819E+01	1.115E+01	3.933E+00	2.018E+01	1.465E+01	1.351E+00
1.200E+04	1.355E+00	6.512E+02	7.959E+01	1.180E+01	3.991E+00	1.853E+01	1.337E+01	1.366E+00
1.300E+04	1.234E+00	6.980E+02	8.130E+01	1.225E+01	4.038E+00	1.988E+01	1.458E+01	1.345E+00
1.400E+04	1.133E+00	7.506E+02	8.292E+01	1.264E+01	4.090E+00	2.314E+01	1.734E+01	1.313E+00
1.500E+04	1.041E+00	8.131E+02	8.469E+01	1.304E+01	4.157E+00	2.783E+01	2.120E+01	1.283E+00
1.600E+04	9.555E-01	8.866E+02	8.667E+01	1.349E+01	4.245E+00	3.370E+01	2.592E+01	1.280E+00
1.700E+04	8.761E-01	9.797E+02	8.890E+01	1.399E+01	4.357E+00	4.049E+01	3.121E+01	1.244E+00
1.800E+04	8.019E-01	1.088E+03	9.142E+01	1.456E+01	4.496E+00	4.783E+01	3.676E+01	1.232E+00
1.900E+04	7.326E-01	1.215E+03	9.420E+01	1.519E+01	4.662E+00	5.523E+01	4.212E+01	1.225E+00
2.000E+04	6.808E-01	1.359E+03	9.720E+01	1.588E+01	4.855E+00	6.208E+01	4.664E+01	1.222E+00
2.100E+04	6.494E-01	1.519E+03	1.004E+02	1.663E+01	5.07CE+01	6.772E+01	5.07E+01	1.222E+00
2.200E+04	5.563E-01	1.691E+03	1.036E+02	1.743E+01	5.302E+01	7.160E+01	5.266E+01	1.225E+00
2.300E+04	5.089E-01	1.864E+03	1.064E+02	1.827E+01	5.546E+01	7.335E+01	5.326E+01	1.226E+00
2.400E+04	4.672E-01	2.050E+03	1.099E+02	1.915E+01	5.787E+00	7.296E+01	5.233E+01	1.224E+00
2.500E+04	4.3C9E-01	2.266E+03	1.129E+02	2.004E+01	6.023E+00	7.068E+01	5.012E+01	1.235E+00
2.600E+04	3.995E-01	2.396E+03	1.155E+02	2.094E+01	6.246E+00	6.7G1E-01	4.772E+01	1.271E+00
2.700E+04	3.725E-01	2.555E+03	1.180E+02	2.184E+01	6.452E+00	6.255E+00	4.344E+01	1.288E+00
2.800E+04	3.492E-01	2.703E+03	1.202E+02	2.273E+01	6.637E+00	5.784E+00	3.979E+01	1.303E+00
2.900E+04	3.290E-01	2.839E+03	1.221E+02	2.359E+01	6.801E+00	5.323E+00	3.637E+01	1.328E+00
3.000E+04	3.114E-01	2.965E+03	1.238E+02	2.442E+01	6.946E+00	4.933E+00	3.338E+01	1.347E+00
3.100E+04	2.959E-01	3.082E+03	1.254E+02	2.521E+01	7.074E+00	4.603E+00	3.097E+01	1.364E+00
3.200E+04	2.822E-01	3.192E+03	1.268E+02	2.594E+01	7.186E+00	4.353E+01	2.918E+01	1.377E+00
3.300E+04	2.695E-01	3.296E+03	1.281E+02	2.664E+01	7.286E+00	4.185E+01	2.804E+01	1.385E+00
3.400E+04	2.587E-01	3.398E+03	1.293E+02	2.719E+01	7.376E+00	4.098E+01	2.753E+01	1.387E+00
3.500E+04	2.485E-01	3.499E+03	1.305E+02	2.772E+01	7.559E+00	4.007E+01	2.761E+01	1.385E+00
3.600E+04	2.391E-01	3.600E+03	1.317E+02	2.820E+01	7.538E+00	3.974E+01	2.820C+01	1.378E+00
3.700E+04	2.303E-01	3.703E+03	1.328E+02	2.864E+01	7.614E+00	4.255E+01	2.920E+01	1.370E+00
3.800E+04	2.221E-01	3.809E+03	1.340E+02	2.907E+01	7.689E+00	4.406E+01	3.048E+01	1.361E+00
3.900E+04	2.143E-01	3.920E+03	1.351E+02	2.951E+01	7.764E+00	4.517E+01	3.168E+01	1.353E+00
4.000E+04	2.064E-01	4.035E+03	1.363E+02	2.996E+01	7.839E+00	4.674E+01	3.323E+01	1.347E+00
4.100E+04	1.995E-01	4.154E+03	1.375E+02	3.043E+01	7.916E+00	4.886E+01	3.459E+01	1.343E+00
4.200E+04	1.933E-01	4.276E+03	1.387E+02	3.093E+01	7.993E+00	5.009E+01	3.524E+01	1.341E+00
4.300E+04	1.870E-01	4.400E+03	1.399E+02	3.146E+01	8.069E+00	5.074E+01	3.570E+01	1.342E+00
4.400E+04	1.811E-01	4.525E+03	1.411E+02	3.200E+01	8.144E+00	5.089E+01	3.576E+01	1.344E+00
4.500E+04	1.755E-01	4.650E+03	1.422E+02	3.259E+01	8.218E+00	5.055E+01	3.544E+01	1.349E+00
4.600E+04	1.702E-01	4.776E+03	1.433E+02	3.314E+01	8.284E+00	4.981E+01	3.483E+01	1.355E+00
4.700E+04	1.652E-01	4.896E+03	1.444E+02	3.372E+01	8.355E+00	4.879E+01	3.402E+01	1.342E+00
4.800E+04	1.608E-01	5.015E+03	1.454E+02	3.429E+01	8.418E+00	4.762E+01	3.310E+01	1.346E+00
4.900E+04	1.562E-01	5.130E+03	1.464E+02	3.488E+01	8.476E+00	4.643E+01	3.218E+01	1.340E+00
5.000E+04	1.521E-01	5.243E+03	1.473E+02	3.541E+01	8.531E+00	4.535E+01	3.136E+01	1.338E+00

TABLE I. - Continued

P/PO = 1.80E+02

T	RHO/RHO-O	H/RTD	S/R	A/AO	Z	C/P/R	CV/R	GAMMA
5.000E+02	1.30W+02	-4.837E+00	2.172E+01	1.195E+00	1.111E+00	1.342E+01	1.060E+01	1.255E+00
6.000E+02	9.251E+01	-4.634E+01	2.492E+01	1.423E+00	1.315E+00	2.165E+01	1.018E+01	1.208E+00
7.000E+02	6.587E+01	5.289E+00	2.852E+01	1.704E+00	1.582E+00	2.340E+01	1.693E+01	1.232E+00
8.000E+02	5.091E+01	1.038E+01	3.129E+01	1.966E+00	1.793E+00	1.736E+01	1.263E+01	1.271E+00
9.000E+02	4.206E+01	1.395E+01	3.3CCE+01	2.113E+00	1.901E+00	1.209E+01	8.483E+00	1.310E+00
1.000E+03	3.743E+01	1.658E+01	3.413E+01	2.355E+00	1.950E+00	9.566E+00	8.988E+00	1.337E+00
1.100E+03	3.364E+01	1.879E+01	3.458E+01	2.496E+00	1.972E+00	8.534E+00	8.245E+00	1.348E+00
1.200E+03	3.067E+01	2.084E+01	3.571E+01	2.614E+00	1.983E+00	8.130E+00	8.973E+00	1.350E+00
1.300E+03	2.823E+01	2.283E+01	3.635E+01	2.722E+00	1.989E+00	7.949E+00	9.897E+00	1.348E+00
1.400E+03	2.617E+01	2.480E+01	3.685E+01	2.823E+00	1.993E+00	7.943E+00	9.905E+00	1.346E+00
1.500E+03	2.446E+01	2.677E+01	3.730E+01	2.918E+00	1.995E+00	7.989E+00	9.951E+00	1.339E+00
1.600E+03	2.286E+01	2.875E+01	3.862E+01	3.010E+00	1.986E+00	8.039E+00	8.013E+00	1.334E+00
1.700E+03	2.150E+01	3.075E+01	3.891E+01	3.098E+00	1.997E+00	8.102E+00	8.083E+00	1.330E+00
1.800E+03	2.030E+01	3.277E+01	3.898E+01	3.183E+00	1.998E+00	8.171E+00	8.156E+00	1.326E+00
1.900E+03	1.923E+01	3.480E+01	3.562E+01	3.245E+00	1.998E+00	8.244E+00	8.233E+00	1.321E+00
2.000E+03	1.826E+01	3.685E+01	3.988E+01	3.345E+00	1.998E+00	8.324E+00	8.313E+00	1.317E+00
2.100E+03	1.739E+01	3.892E+01	4.246E+01	3.423E+00	1.999E+00	8.411E+00	8.400E+00	1.313E+00
2.200E+03	1.660E+01	4.102E+01	4.066E+01	3.498E+00	1.999E+00	8.511E+00	8.497E+00	1.309E+00
2.300E+03	1.587E+01	4.315E+01	4.104E+01	3.571E+00	2.000E+00	8.628E+00	8.609E+00	1.305E+00
2.400E+03	1.521E+01	4.530E+01	4.141E+01	3.642E+00	2.000E+00	8.768E+00	8.741E+00	1.300E+00
2.500E+03	1.465E+01	4.730E+01	4.178E+01	3.710E+00	2.001E+00	8.937E+00	8.898E+00	1.295E+00
2.600E+03	1.403E+01	4.975E+01	4.213E+01	3.776E+00	2.002E+00	9.143E+00	7.006E+00	1.289E+00
2.700E+03	1.350E+01	5.225E+01	4.249E+01	3.840E+00	2.003E+00	9.391E+00	7.312E+00	1.283E+00
2.800E+03	1.301E+01	5.464E+01	4.284E+01	3.902E+00	2.005E+00	9.689E+00	7.580E+00	1.276E+00
2.900E+03	1.254E+01	5.671E+01	4.319E+01	3.963E+00	2.007E+00	1.004E+01	7.896E+00	1.269E+00
3.000E+03	1.211E+01	5.941E+01	4.354E+01	4.022E+00	2.010E+00	1.046E+01	8.266E+00	1.262E+00
3.100E+03	1.171E+01	6.207E+01	4.389E+01	4.081E+00	2.013E+00	1.095E+01	8.668E+00	1.255E+00
3.200E+03	1.131E+01	6.486E+01	4.424E+01	4.139E+00	2.018E+00	1.150E+01	9.171E+00	1.248E+00
3.300E+03	1.093E+01	6.780E+01	4.462E+01	4.196E+00	2.023E+00	1.214E+01	9.715E+00	1.242E+00
3.400E+03	1.058E+01	7.096E+01	4.500E+01	4.258E+00	2.030E+00	1.285E+01	1.032E+01	1.236E+00
3.500E+03	1.024E+01	7.419E+01	4.533E+01	4.310E+00	2.037E+00	1.356E+01	1.099E+01	1.230E+00
3.600E+03	9.907E+00	7.749E+01	4.579E+01	4.381E+00	2.047E+00	1.425E+01	1.172E+01	1.225E+00
3.700E+03	9.588E+00	8.142E+01	4.620E+01	4.465E+00	2.058E+00	1.548E+01	1.250E+01	1.221E+00
3.800E+03	9.219E+00	8.539E+01	4.663E+01	4.511E+00	2.070E+00	1.652E+01	1.334E+01	1.217E+00
3.900E+03	8.978E+00	8.962E+01	4.704E+01	4.581E+00	2.085E+00	1.763E+01	1.423E+01	1.214E+00
4.000E+03	8.685E+00	9.414E+01	4.754E+01	4.653E+00	2.101E+00	1.882E+01	1.517E+01	1.212E+00
4.100E+03	8.399E+00	9.896E+01	4.803E+01	4.728E+00	2.120E+00	2.007E+01	1.613E+01	1.210E+00
4.200E+03	8.120E+00	1.041E+02	4.853E+01	4.806E+00	2.141E+00	2.137E+01	1.713E+01	1.209E+00
4.300E+03	7.866E+00	1.096E+02	4.905E+01	4.888E+00	2.164E+00	2.273E+01	1.814E+01	1.208E+00
4.400E+03	7.579E+00	1.154E+02	4.959E+01	4.973E+00	2.189E+00	2.411E+01	1.916E+01	1.208E+00
4.500E+03	7.317E+00	1.215E+02	5.016E+01	5.062E+00	2.217E+00	2.552E+01	2.017E+01	1.208E+00
4.600E+03	7.062E+00	1.280E+02	5.074E+01	5.154E+00	2.247E+00	2.694E+01	2.116E+01	1.205E+00
4.700E+03	6.813E+00	1.348E+02	5.133E+01	5.250E+00	2.280E+00	2.834E+01	2.213E+01	1.204E+00
4.800E+03	6.577E+00	1.420E+02	5.195E+01	5.349E+00	2.315E+00	2.971E+01	2.304E+01	1.212E+00
4.900E+03	6.335E+00	1.495E+02	5.259E+01	5.492E+00	2.352E+00	3.103E+01	2.394E+01	1.214E+00
5.000E+03	6.106E+00	1.573E+02	5.322E+01	5.595E+00	2.391E+00	3.220E+01	2.477E+01	1.216E+00
5.200E+03	5.671E+00	1.733E+02	5.455E+01	5.708E+00	2.475E+00	3.466E+01	2.601E+01	1.221E+00
5.400E+03	5.249E+00	1.913E+02	5.587E+01	6.011E+00	2.565E+00	3.610E+01	2.692E+01	1.227E+00
5.600E+03	4.902E+00	2.093E+02	5.720E+01	6.249E+00	2.659E+00	3.707E+01	2.735E+01	1.234E+00
5.800E+03	4.570E+00	2.277E+02	5.851E+01	6.490E+00	2.754E+00	3.735E+01	2.733E+01	1.241E+00
6.000E+03	4.273E+00	2.460E+02	5.977E+01	6.732E+00	2.847E+00	3.696E+01	2.690E+01	1.246E+00
6.200E+03	4.009E+00	2.640E+02	6.097E+01	6.936E+00	2.937E+00	3.645E+01	2.615E+01	1.255E+00
6.400E+03	3.776E+00	2.814E+02	6.220E+01	7.199E+00	3.020E+00	3.480E+01	2.522E+01	1.261E+00
6.600E+03	3.571E+00	2.982E+02	6.314E+01	7.420E+00	3.098E+00	3.341E+01	2.424E+01	1.267E+00
6.800E+03	3.369E+00	3.142E+02	6.411E+01	7.629E+00	3.168E+00	3.232E+01	2.333E+01	1.271E+00
7.000E+03	3.227E+00	3.297E+02	6.502E+01	7.826E+00	3.232E+00	3.092E+01	2.259E+01	1.274E+00
7.200E+03	3.082E+00	3.467E+02	6.580E+01	8.011E+00	3.290E+00	3.005E+01	2.205E+01	1.275E+00
7.400E+03	2.951E+00	3.593E+02	6.606E+01	8.185E+00	3.342E+00	2.966E+01	2.175E+01	1.274E+00
7.600E+03	2.832E+00	3.737E+02	6.707E+01	8.351E+00	3.391E+00	2.917E+01	2.166E+01	1.273E+00
7.800E+03	2.723E+00	3.880E+02	6.822E+01	8.509E+00	3.436E+00	2.913E+01	2.174E+01	1.271E+00
8.000E+03	2.623E+00	4.023E+02	6.946E+01	8.664E+00	3.479E+00	2.927E+01	2.195E+01	1.269E+00
8.200E+03	2.529E+00	4.166E+02	6.989E+01	8.817E+00	3.521E+00	2.951E+01	2.221E+01	1.267E+00
8.400E+03	2.441E+00	4.314E+02	7.040E+01	8.970E+00	3.560E+00	2.977E+01	2.247E+01	1.266E+00
8.600E+03	2.359E+00	4.466E+02	7.110E+01	9.125E+00	3.599E+00	2.951E+01	2.265E+01	1.266E+00
8.800E+03	2.281E+00	4.604E+02	7.179E+01	9.242E+00	3.636E+00	2.905E+01	2.276E+01	1.267E+00
9.000E+03	2.209E+00	4.755E+02	7.246E+01	9.442E+00	3.672E+00	2.874E+01	2.257E+01	1.265E+00
9.200E+03	2.141E+00	4.902E+02	7.311E+01	9.605E+00	3.707E+00	2.846E+01	2.226E+01	1.233E+00
9.400E+03	2.071E+00	5.049E+02	7.374E+01	9.771E+00	3.740E+00	2.817E+01	2.197E+01	1.228E+00
9.600E+03	2.016E+00	5.183E+02	7.434E+01	9.940E+00	3.771E+00	2.786E+01	2.174E+01	1.224E+00
9.800E+03	1.960E+00	5.321E+02	7.49CE+01	1.011E+01	3.800E+00	2.657E+01	2.149E+01	1.222E+00
1.000E+04	1.908E+00	5.451E+02	7.564E+01	1.028E+01	3.826E+00	2.585E+01	1.926E+01	1.208E+00
1.100E+04	1.851E+00	6.016E+02	7.603E+01	1.112E+01	3.925E+00	2.595E+01	1.493E+01	1.348E+00
1.200E+04	1.527E+00	6.492E+02	7.931E+01	1.179E+01	3.944E+00	1.858E+01	1.339E+01	1.367E+00
1.300E+04	1.393E+00	6.957E+02	8.062E+01	1.226E+01	4.031E+00	1.963E+01	1.435E+01	1.349E+00
1.400E+04	1.277E+00	7.473E+02	8.237E+01	1.295E+01	4.082E+00	2.242E+01	1.690E+01	1.317E+00
1.500E+04	1.174E+00	8.082E+02	8.507E+01	1.350E+01	4.148E+00	2.715E+01	2.056E+01	1.207E+00
1.600E+04	1.079E+00	8.810E+02	8.598E+01	1.340E+01	4.224E+00	3.242E+01	2.506E+01	1.243E+00
1.700E+04	9.905E-01	9.095E+02	8.815E+01	1.397E+01	4.335E+00	3.911E+01	3.166E+01	1.266E+00
1.800E+04	9.080E-01	1.076E+03	9.058E+01	1.452E+01	4.467E+00	4.618E+01	3.593E+01	1.233E+00
1.900E+04	8.308E-01	1.197E+03	9.326E+01	1.513E+01	4.624E+00	5.333E+01	4.079E+01	1.226E+00
2.000E+04	7.592E-01	1.330E+03	9.616E+01	1.590E+01	4.807E+00	6.009E+01	4.549E+01	1.221E+00

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS FOR INFORMATION ONLY.

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/AQ	Z	CP/R	CV/R	GAMMA
2.100E+04	6.935E-01	1.691E+03	9.922E+01	1.653E+01	5.013E+00	6.574E+01	4.920E+01	1.221E+00
2.200E+04	6.338E-01	1.658E+03	1.024E+02	1.731E+01	5.235E+00	6.938E+01	5.190E+01	1.223E+00
2.300E+04	5.804E-01	1.633E+03	1.055E+02	1.813E+01	5.468E+00	7.195E+01	5.247E+01	1.229E+00
2.400E+04	5.332E-01	2.010E+03	1.086E+02	1.898E+01	5.704E+00	7.203E+01	5.187E+01	1.238E+00
2.500E+04	4.919E-01	2.185E+03	1.115E+02	1.984E+01	5.934E+00	7.026E+01	5.001E+01	1.250E+00
2.600E+04	4.560E-01	2.353E+03	1.142E+02	2.075E+01	6.157E+00	6.708E+01	4.721E+01	1.265E+00
2.700E+04	4.250E-01	2.513E+03	1.166E+02	2.164E+01	6.362E+00	6.301E+01	4.388E+01	1.282E+00
2.800E+04	3.981E-01	2.662E+03	1.188E+02	2.252E+01	6.549E+00	5.857E+01	4.038E+01	1.301E+00
2.900E+04	3.748E-01	2.801E+03	1.208E+02	2.338E+01	6.716E+00	5.421E+01	3.703E+01	1.321E+00
3.000E+04	3.544E-01	2.929E+03	1.225E+02	2.422E+01	6.865E+00	5.025E+01	3.404E+01	1.340E+00
3.100E+04	3.366E-01	3.046E+03	1.241E+02	2.501E+01	6.997E+00	4.689E+01	3.156E+01	1.357E+00
3.200E+04	3.207E-01	3.160E+03	1.256E+02	2.576E+01	7.113E+00	4.326E+01	2.966E+01	1.371E+00
3.300E+04	3.065E-01	3.266E+03	1.269E+02	2.646E+01	7.217E+00	4.239E+01	2.836E+01	1.381E+00
3.400E+04	2.937E-01	3.369E+03	1.281E+02	2.704E+01	7.311E+00	4.130E+01	2.707E+01	1.385E+00
3.500E+04	2.820E-01	3.469E+03	1.293E+02	2.761E+01	7.397E+00	4.094E+01	2.755E+01	1.388E+00
3.600E+04	2.712E-01	3.570E+03	1.305E+02	2.810E+01	7.478E+00	4.125E+01	2.794E+01	1.380E+00
3.700E+04	2.611E-01	3.673E+03	1.316E+02	2.854E+01	7.555E+00	4.213E+01	2.876E+01	1.373E+00
3.800E+04	2.517E-01	3.778E+03	1.327E+02	2.900E+01	7.631E+00	4.343E+01	2.988E+01	1.364E+00
3.900E+04	2.424E-01	3.887E+03	1.339E+02	2.944E+01	7.707E+00	4.500E+01	3.111E+01	1.350E+00
4.000E+04	2.345E-01	4.000E+03	1.351E+02	2.980E+01	7.782E+00	4.663E+01	3.249E+01	1.345E+00
4.100E+04	2.266E-01	4.116E+03	1.362E+02	3.035E+01	7.856E+00	4.815E+01	3.367E+01	1.342E+00
4.200E+04	2.190E-01	4.236E+03	1.374E+02	3.084E+01	7.935E+00	4.938E+01	3.461E+01	1.342E+00
4.300E+04	2.119E-01	4.359E+03	1.386E+02	3.135E+01	8.011E+00	5.020E+01	3.521E+01	1.342E+00
4.400E+04	2.051E-01	4.483E+03	1.397E+02	3.189E+01	8.087E+00	5.055E+01	3.544E+01	1.344E+00
4.500E+04	1.980E-01	4.608E+03	1.409E+02	3.244E+01	8.161E+00	5.044E+01	3.530E+01	1.346E+00
4.600E+04	1.928E-01	4.732E+03	1.420E+02	3.301E+01	8.233E+00	4.991E+01	3.485E+01	1.354E+00
4.700E+04	1.871E-01	4.856E+03	1.430E+02	3.354E+01	8.301E+00	4.967E+01	3.417E+01	1.360E+00
4.800E+04	1.818E-01	4.973E+03	1.440E+02	3.416E+01	8.366E+00	4.802E+01	3.334E+01	1.367E+00
4.900E+04	1.768E-01	5.090E+03	1.450E+02	3.472E+01	8.427E+00	4.690E+01	3.247E+01	1.374E+00
5.000E+04	1.721E-01	5.244E+03	1.460E+02	3.522E+01	8.483E+00	4.592E+01	3.164E+01	1.380E+00

P/PO = 2.00E+02

T	RHO/RHO-0	H/RT0	S/R	A/AQ	Z	CP/R	CV/R	GAMMA
5.000E+02	1.461E+02	-4.926E+00	2.153E+01	1.193E+30	1.110E+00	1.298E+01	1.024E+01	1.246E+00
6.000E+02	1.363E+02	-7.143E+00	2.462E+01	1.415E+00	1.300E+00	2.142E+01	1.575E+01	1.248E+00
7.000E+02	7.641E+01	4.94CE+00	2.817E+01	1.692E+00	1.563E+00	3.336E+01	1.689E+01	1.231E+00
8.000E+02	5.777E+01	1.012E+01	3.057E+01	1.577E+00	1.777E+00	1.792E+01	1.293E+01	1.268E+00
9.000E+02	4.763E+01	1.377E+01	3.273E+01	2.175E+00	1.892E+00	1.245E+01	9.089E+00	1.307E+00
1.000E+03	4.177E+01	1.649E+01	3.389E+01	2.349E+00	1.945E+00	9.769E+00	7.133E+00	1.339E+00
1.200E+03	3.744E+01	1.874E+01	3.476E+01	2.491E+00	1.970E+00	8.439E+00	6.320E+00	1.367E+00
1.400E+03	3.411E+01	2.081E+01	3.549E+01	2.612E+00	1.982E+00	8.187E+00	6.013E+00	1.349E+00
1.600E+03	3.138E+01	2.281E+01	3.614E+01	2.721E+00	1.988E+00	8.021E+00	5.919E+00	1.347E+00
1.800E+03	2.949E+01	2.479E+01	3.677E+01	2.822E+00	1.992E+00	7.982E+00	5.918E+00	1.343E+00
2.000E+03	2.712E+01	2.676E+01	3.727E+01	2.914E+00	1.996E+00	8.011E+00	5.959E+00	1.339E+00
2.200E+03	2.546E+01	3.075E+01	3.780E+01	3.099E+00	1.999E+00	8.047E+00	6.019E+00	1.334E+00
2.400E+03	2.390E+01	3.075E+01	3.830E+01	3.097E+00	1.997E+00	8.137E+00	6.030E+00	1.326E+00
2.600E+03	2.256E+01	3.276E+01	3.876E+01	3.183E+00	1.997E+00	8.174E+00	6.233E+00	1.321E+00
2.800E+03	2.137E+01	3.479E+01	3.924E+01	3.245E+00	1.998E+00	8.242E+00	6.312E+00	1.317E+00
3.000E+03	2.030E+01	3.685E+01	3.964E+01	3.355E+00	1.998E+00	8.349E+00	6.439E+00	1.313E+00
3.100E+03	1.933E+01	3.692E+01	4.005E+01	3.423E+00	1.999E+00	8.409E+00	6.397E+00	1.313E+00
3.200E+03	1.844E+01	4.020E+01	4.164E+01	3.498E+00	1.999E+00	8.504E+00	6.492E+00	1.309E+00
3.300E+03	1.766E+01	4.314E+01	4.083E+01	3.571E+00	1.999E+00	8.620E+00	6.501E+00	1.305E+00
3.400E+03	1.690E+01	4.533E+01	4.120E+01	3.622E+00	2.000E+00	8.735E+00	6.520E+00	1.295E+00
3.500E+03	1.622E+01	4.769E+01	4.156E+01	3.710E+00	2.001E+00	8.818E+00	6.540E+00	1.289E+00
3.600E+03	1.559E+01	4.973E+01	4.192E+01	3.777E+00	2.001E+00	9.115E+00	7.061E+00	1.289E+00
3.700E+03	1.500E+01	5.085E+01	3.964E+01	3.355E+00	1.998E+00	8.242E+00	6.312E+00	1.317E+00
3.800E+03	1.449E+01	5.092E+01	4.005E+01	3.423E+00	1.999E+00	8.349E+00	6.439E+00	1.313E+00
3.900E+03	1.394E+01	5.081E+01	4.262E+01	3.903E+00	2.006E+00	9.475E+00	7.035E+00	1.271E+00
4.000E+03	1.346E+01	5.534E+01	4.332E+01	4.426E+00	2.009E+00	1.037E+01	8.186E+00	1.266E+00
4.100E+03	1.306E+01	6.158E+01	4.367E+01	4.038E+00	2.012E+00	1.083E+01	8.590E+00	1.257E+00
4.200E+03	1.257E+01	6.473E+01	4.462E+01	4.511E+00	2.067E+00	1.164E+01	1.302E+01	1.250E+00
4.300E+03	1.216E+01	6.703E+01	4.439E+01	4.200E+00	2.022E+00	1.197E+01	9.568E+00	1.244E+00
4.400E+03	1.176E+01	7.009E+01	4.476E+01	4.259E+00	2.028E+00	9.323E+00	7.277E+00	1.244E+00
4.500E+03	1.143E+01	7.393E+01	4.514E+01	4.319E+00	2.035E+00	1.360E+01	1.078E+01	1.232E+00
4.600E+03	1.102E+01	7.736E+01	4.553E+01	4.381E+00	2.046E+00	1.124E+01	1.167E+01	1.227E+00
4.700E+03	1.067E+01	8.101E+01	4.594E+01	4.462E+00	2.055E+00	1.515E+01	1.222E+01	1.223E+00
4.800E+03	1.033E+01	8.489E+01	4.630E+01	4.511E+00	2.067E+00	1.614E+01	1.302E+01	1.219E+00
4.900E+03	9.997E+00	8.903E+01	4.680E+01	4.579E+00	2.080E+00	1.719E+01	1.387E+01	1.216E+00
5.000E+03	9.674E+00	9.343E+01	4.725E+01	4.650E+00	2.094E+00	1.832E+01	1.476E+01	1.218E+00
5.100E+03	9.359E+00	9.813E+01	4.772E+01	4.724E+00	2.114E+00	1.952E+01	1.569E+01	1.211E+00
5.200E+03	9.028E+00	1.031E+02	4.821E+01	4.801E+00	2.133E+00	2.076E+01	1.664E+01	1.210E+00
5.300E+03	8.751E+00	1.084E+02	4.872E+01	4.881E+00	2.155E+00	2.206E+01	1.761E+01	1.209E+00
5.400E+03	8.458E+00	1.141E+02	4.924E+01	4.965E+00	2.180E+00	2.339E+01	1.855E+01	1.209E+00
5.500E+03	8.176E+00	1.200E+02	4.975E+01	5.052E+00	2.206E+00	2.476E+01	1.957E+01	1.210E+00
5.600E+03	7.890E+00	1.263E+02	5.035E+01	5.142E+00	2.235E+00	2.611E+01	2.054E+01	1.210E+00
5.700E+03	7.616E+00	1.329E+02	5.093E+01	5.236E+00	2.266E+00	2.747E+01	2.146E+01	1.211E+00
5.800E+03	7.349E+00	1.394E+02	5.153E+01	5.333E+00	2.299E+00	2.881E+01	2.238E+01	1.212E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
4.900E+03	7.089E+00	1.472E+02	5.214E+01	5.434E+00	2.335E+00	3.010E+01	2.323E+01	1.214E+00
5.000E+03	6.837E+00	1.548E+02	5.276E+01	5.538E+00	2.373E+00	3.134E+01	2.402E+01	1.216E+00
5.200E+03	6.357E+00	1.708E+02	5.404E+01	5.755E+00	2.459E+00	3.354E+01	2.537E+01	1.221E+00
5.400E+03	5.912E+00	1.878E+02	5.534E+01	5.982E+00	2.541E+00	3.524E+01	2.634E+01	1.227E+00
5.600E+03	5.503E+00	2.055E+02	5.665E+01	6.216E+00	2.632E+00	3.639E+01	2.689E+01	1.233E+00
5.800E+03	5.132E+00	2.236E+02	5.793E+01	6.454E+00	2.725E+00	3.666E+01	2.700E+01	1.240E+00
6.000E+03	4.799E+00	2.417E+02	5.918E+01	6.694E+00	2.817E+00	3.670E+01	2.671E+01	1.247E+00
6.200E+03	4.502E+00	2.598E+02	6.037E+01	6.930E+00	2.906E+00	3.600E+01	2.610E+01	1.254E+00
6.400E+03	4.238E+00	2.770E+02	6.150E+01	7.161E+00	2.990E+00	3.492E+01	2.528E+01	1.268E+00
6.600E+03	4.056E+00	2.939E+02	6.255E+01	7.313E+00	3.069E+00	3.346E+01	2.438E+01	1.280E+00
6.800E+03	3.798E+00	3.101E+02	6.354E+01	7.509E+00	3.140E+00	3.238E+01	2.351E+01	1.270E+00
7.000E+03	3.614E+00	3.257E+02	6.445E+01	7.794E+00	3.206E+00	3.124E+01	2.274E+01	1.273E+00
7.200E+03	3.450E+00	3.409E+02	6.532E+01	7.982E+00	3.262E+00	3.032E+01	2.219E+01	1.275E+00
7.400E+03	3.302E+00	3.556E+02	6.614E+01	8.159E+00	3.320E+00	2.986E+01	2.184E+01	1.278E+00
7.600E+03	3.167E+00	3.701E+02	6.692E+01	8.327E+00	3.370E+00	2.931E+01	2.168E+01	1.276E+00
7.800E+03	3.046E+00	3.864E+02	6.768E+01	8.498E+00	3.416E+00	2.918E+01	2.147E+01	1.272E+00
8.000E+03	2.930E+00	3.988E+02	6.842E+01	8.645E+00	3.460E+00	2.925E+01	2.188E+01	1.27CE+00
8.200E+03	2.824E+00	4.132E+02	6.914E+01	8.799E+00	3.502E+00	2.943E+01	2.208E+01	1.268E+00
8.400E+03	2.726E+00	4.277E+02	6.985E+01	8.952E+00	3.542E+00	2.966E+01	2.232E+01	1.267E+00
8.600E+03	2.634E+00	4.424E+02	7.055E+01	9.106E+00	3.581E+00	2.984E+01	2.251E+01	1.267E+00
8.800E+03	2.557E+00	4.571E+02	7.123E+01	9.263E+00	3.619E+00	2.992E+01	2.256E+01	1.267E+00
9.000E+03	2.485E+00	4.718E+02	7.190E+01	9.422E+00	3.656E+00	2.982E+01	2.251E+01	1.269E+00
9.200E+03	2.389E+00	4.864E+02	7.256E+01	9.588E+00	3.691E+00	2.951E+01	2.225E+01	1.273E+00
9.400E+03	2.317E+00	5.008E+02	7.310E+01	9.747E+00	3.724E+00	2.898E+01	2.181E+01	1.277E+00
9.600E+03	2.249E+00	5.169E+02	7.379E+01	9.916E+00	3.756E+00	2.822E+01	2.118E+01	1.283E+00
9.800E+03	2.186E+00	5.285E+02	7.436E+01	1.009E+01	3.786E+00	2.729E+01	2.041E+01	1.256E+00
1.000E+04	2.127E+00	5.417E+02	7.490E+01	1.024E+01	3.813E+00	2.621E+01	1.952E+01	1.298E+00
1.100E+04	1.883E+00	5.994E+02	7.713E+01	1.110E+01	3.916E+00	2.050E+01	1.926E+01	1.345E+00
1.200E+04	1.699E+00	6.473E+02	7.882E+01	1.170E+01	3.978E+00	1.865E+01	1.342E+01	1.367E+00
1.300E+04	1.550E+00	6.936E+02	8.033E+01	1.226E+01	4.025E+00	1.943E+01	1.417E+01	1.352E+00
1.400E+04	1.422E+00	7.445E+02	8.186E+01	1.266E+01	4.075E+00	2.202E+01	1.653E+01	1.321E+00
1.500E+04	1.307E+00	8.040E+02	8.352E+01	1.305E+01	4.136E+00	2.639E+01	2.001E+01	1.291E+00
1.600E+04	1.202E+00	8.753E+02	8.538E+01	1.347E+01	4.216E+00	3.171E+01	2.434E+01	1.266E+00
1.700E+04	1.105E+00	9.607E+02	8.748E+01	1.395E+01	4.317E+00	3.755E+01	2.924E+01	1.246E+00
1.800E+04	1.014E+00	1.026E+03	8.984E+01	1.449E+01	4.422E+00	4.477E+01	3.449E+01	1.235E+00
1.900E+04	9.296E-01	1.181E+03	9.244E+01	1.508E+01	4.592E+00	5.175E+01	3.964E+01	1.226E+00
2.000E+04	8.507E-01	1.316E+03	9.525E+01	1.573E+01	4.767E+00	5.838E+01	4.431E+01	1.221E+00
2.100E+04	7.782E-01	1.467E+03	9.823E+01	1.644E+01	4.963E+00	6.403E+01	4.807E+01	1.220E+00
2.200E+04	7.121E-01	1.630E+03	1.013E+02	1.720E+01	5.177E+00	6.825E+01	5.061E+01	1.221E+00
2.300E+04	6.528E-01	1.81C+03	1.044E+02	1.800E+01	5.403E+00	7.046E+01	5.172E+01	1.227E+00
2.400E+04	6.001E-01	1.975E+03	1.074E+02	1.884E+01	5.632E+00	7.110E+01	5.140E+01	1.235E+00
2.500E+04	5.577E-01	2.148E+03	1.103E+02	1.970E+01	5.859E+00	6.977E+01	4.983E+01	1.246E+00
2.600E+04	5.133E-01	2.316E+03	1.129E+02	2.057E+01	6.077E+00	6.700E+01	4.731E+01	1.260E+00
2.700E+04	4.782E-01	2.476E+03	1.154E+02	2.145E+01	6.281E+00	6.328E+01	4.619E+01	1.277E+00
2.800E+04	4.478E-01	2.626E+03	1.170E+02	2.233E+01	6.469E+00	5.911E+01	4.085E+01	1.295E+00
2.900E+04	4.213E-01	2.766E+03	1.194E+02	2.319E+01	6.639E+00	5.491E+01	3.758E+01	1.314E+00
3.000E+04	3.901E-01	2.896E+03	1.214E+02	2.403E+01	6.791E+00	5.101E+01	3.461E+01	1.333E+00
3.100E+04	3.778E-01	3.017E+03	1.230E+02	2.494E+01	6.926E+00	4.763E+01	3.209E+01	1.351E+00
3.200E+04	3.597E-01	3.130E+03	1.244E+02	2.559E+01	7.046E+00	4.491E+01	3.049E+01	1.366E+00
3.300E+04	3.436E-01	3.238E+03	1.259E+02	2.620E+01	7.153E+00	4.291E+01	2.866E+01	1.377E+00
3.400E+04	3.290E-01	3.341E+03	1.270E+02	2.692E+01	7.250E+00	4.163E+01	2.786E+01	1.383E+00
3.500E+04	3.159E-01	3.443E+03	1.282E+02	2.769E+01	7.339E+00	4.11CE+01	2.755E+01	1.384E+00
3.600E+04	3.036E-01	3.553E+03	1.294E+02	2.801E+01	7.422E+00	4.117E+01	2.777E+01	1.381E+00
3.700E+04	2.923E-01	3.665E+03	1.305E+02	2.846E+01	7.501E+00	4.183E+01	2.862E+01	1.375E+00
3.800E+04	2.817E-01	3.750E+03	1.316E+02	2.895E+01	7.578E+00	4.295E+01	2.960E+01	1.367E+00
3.900E+04	2.717E-01	3.857E+03	1.328E+02	2.937E+01	7.653E+00	4.437E+01	3.059E+01	1.359E+00
4.000E+04	2.623E-01	3.968E+03	1.339E+02	2.981E+01	7.729E+00	4.592E+01	3.165E+01	1.353E+00
4.100E+04	2.535E-01	4.083E+03	1.351E+02	3.027E+01	7.805E+00	4.742E+01	3.203E+01	1.347E+00
4.200E+04	2.450E-01	4.201E+03	1.362E+02	3.076E+01	7.882E+00	4.871E+01	3.403E+01	1.344E+00
4.300E+04	2.370E-01	4.322E+03	1.373E+02	3.124E+01	7.958E+00	4.965E+01	3.733E+01	1.343E+00
4.400E+04	2.294E-01	4.445E+03	1.385E+02	3.179E+01	8.034E+00	5.018E+01	3.509E+01	1.345E+00
4.500E+04	2.223E-01	4.567E+03	1.397E+02	3.231E+01	8.106E+00	5.025E+01	3.510E+01	1.348E+00
4.600E+04	2.155E-01	4.693E+03	1.408E+02	3.289E+01	8.181E+00	4.992E+01	3.480E+01	1.352E+00
4.700E+04	2.092E-01	4.815E+03	1.418E+02	3.346E+01	8.251E+00	4.924E+01	3.424E+01	1.355E+00
4.800E+04	2.032E-01	4.935E+03	1.428E+02	3.403E+01	8.317E+00	4.832E+01	3.351E+01	1.358E+00
4.900E+04	1.975E-01	5.053E+03	1.438E+02	3.460E+01	8.380E+00	4.728E+01	3.269E+01	1.372E+00
5.000E+04	1.92E-01	5.168E+03	1.448E+02	3.516E+01	8.438E+00	4.622E+01	3.188E+01	1.378E+00

P/PC = 2.20E+02

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	1.614E+02	-5.003E+00	2.134E+01	1.191E+00	1.105E+00	1.260E+01	9.965E+00	1.267E+00
6.000E+02	1.155E+02	-9.150E-01	2.436E+01	1.409E+00	1.204E+00	2.046E+01	1.536E+01	1.208E+00
7.000E+02	8.452E+01	4.666E+00	2.785E+01	1.681E+00	1.255E+00	2.326E+01	1.682E+01	1.230E+00
8.000E+02	6.331E+01	9.866E+00	3.067E+01	1.947E+00	1.272E+00	1.621E+01	1.319E+01	1.266E+00
9.000E+02	5.266E+01	1.364E+01	3.248E+01	2.108E+00	1.288E+00	1.280E+01	9.330E+00	1.304E+00
1.000E+03	4.599E+01	1.691E+01	3.367E+01	2.344E+00	1.290E+00	9.985E+00	7.273E+00	1.333E+00
1.100E+03	4.124E+01	1.669E+01	3.455E+01	2.488E+00	1.297E+00	6.742E+00	6.394E+00	1.366E+00
1.200E+03	3.755E+01	2.076E+01	3.529E+01	2.610E+00	1.290E+00	8.243E+00	8.052E+00	1.349E+00

TABLE I.- Continued

T	R/H/R/HU-0	H/RTO	S/R	A/AU	L	CP/R	CV/R	GAMMA
1.300E+03	3.454E+01	2.279E+01	3.594E+01	2.719E+00	1.987E+00	8.053E+00	5.941E+00	1.347E+00
1.400E+03	3.201E+01	2.477E+01	3.654E+01	2.621E+00	1.991E+00	8.002E+00	5.931E+00	1.346E+00
1.530E+03	2.986E+01	2.675E+01	3.709E+01	2.917E+00	1.994E+00	8.013E+00	5.947E+00	1.353E+00
1.600E+03	2.795E+01	2.874E+01	3.761E+01	3.009E+00	1.995E+00	8.056E+00	6.024E+00	1.354E+00
1.700E+03	2.629E+01	3.074E+01	3.810E+01	3.097E+00	1.996E+00	8.113E+00	6.090E+00	1.355E+00
1.800E+03	2.482E+01	3.276E+01	3.857E+01	3.182E+00	1.997E+00	8.178E+00	6.160E+00	1.356E+00
1.900E+03	2.351E+01	3.479E+01	3.902E+01	3.265E+00	1.998E+00	8.248E+00	6.234E+00	1.357E+00
2.000E+03	2.233E+01	3.664E+01	3.945E+01	3.346E+00	1.998E+00	8.324E+00	6.312E+00	1.357E+00
2.100E+03	2.126E+01	3.852E+01	3.986E+01	3.423E+00	1.998E+00	8.408E+00	6.394E+00	1.357E+00
2.200E+03	2.029E+01	4.101E+01	4.025E+01	3.498E+00	1.999E+00	8.503E+00	6.488E+00	1.358E+00
2.300E+03	1.940E+01	4.313E+01	4.066E+01	3.572E+00	1.999E+00	8.613E+00	6.594E+00	1.358E+00
2.500E+03	1.859E+01	4.529E+01	4.101E+01	3.642E+00	2.000E+00	8.744E+00	6.718E+30	1.360E+00
2.600E+03	1.784E+01	4.730E+01	4.137E+01	3.711E+00	2.000E+00	8.901E+00	6.865E+00	1.295E+00
2.700E+03	1.715E+01	4.971E+01	4.173E+01	3.777E+00	2.001E+00	9.018E+00	7.039E+00	1.296E+00
2.800E+03	1.650E+01	5.220E+01	4.208E+01	3.842E+00	2.002E+00	9.319E+00	7.247E+00	1.284E+00
2.900E+03	1.590E+01	5.434E+01	4.243E+01	3.904E+00	2.004E+00	9.592E+00	7.493E+00	1.270E+00
3.000E+03	1.534E+01	5.677E+01	4.277E+01	3.965E+00	2.006E+00	9.916E+00	7.782E+00	1.272E+00
3.100E+03	1.481E+01	5.928E+01	4.312E+01	4.025E+00	2.008E+00	1.030E+01	8.110E+00	1.265E+00
3.200E+03	1.431E+01	6.189E+01	4.347E+01	4.084E+00	2.012E+00	1.074E+01	8.505E+00	1.254E+00
3.300E+03	1.383E+01	6.442E+01	4.382E+01	4.143E+00	2.016E+00	1.125E+01	8.945E+00	1.252E+00
3.400E+03	1.338E+01	6.749E+01	4.418E+01	4.201E+00	2.021E+00	1.177E+01	9.441E+00	1.245E+00
3.500E+03	1.295E+01	7.051E+01	4.456E+01	4.261E+00	2.027E+00	1.247E+01	9.938E+00	1.239E+00
3.600E+03	1.253E+01	7.370E+01	4.492E+01	4.321E+00	2.034E+00	1.319E+01	1.060E+01	1.234E+00
3.700E+03	1.214E+01	7.707E+01	4.531E+01	4.382E+00	2.042E+00	1.399E+01	1.124E+01	1.229E+00
3.800E+03	1.175E+01	8.066E+01	4.571E+01	4.445E+00	2.052E+00	1.466E+01	1.193E+01	1.224E+00
3.900E+03	1.138E+01	8.446E+01	4.612E+01	4.510E+00	2.063E+00	1.530E+01	1.273E+01	1.221E+00
4.000E+03	1.102E+01	8.851E+01	4.655E+01	4.578E+00	2.077E+00	1.602E+01	1.356E+01	1.217E+00
4.100E+03	1.066E+01	9.202E+01	4.699E+01	4.646E+00	2.092E+00	1.679E+01	1.442E+01	1.215E+00
4.200E+03	1.032E+01	9.740E+01	4.754E+01	4.721E+00	2.108E+00	1.704E+01	1.530E+01	1.213E+00
4.300E+03	9.986E+00	1.023E+02	4.793E+01	4.797E+00	2.127E+00	2.024E+01	1.622E+01	1.211E+00
4.400E+03	9.659E+00	1.074E+02	4.842E+01	4.875E+00	2.148E+00	2.148E+01	1.710E+01	1.211E+00
4.500E+03	9.339E+00	1.129E+02	4.893E+01	4.956E+00	2.171E+00	2.276E+01	1.810E+01	1.210E+00
4.600E+03	9.026E+00	1.187E+02	4.946E+01	5.043E+00	2.197E+00	2.407E+01	1.905E+01	1.210E+00
4.700E+03	8.720E+00	1.248E+02	5.001E+01	5.132E+00	2.224E+00	2.539E+01	1.999E+01	1.211E+00
4.700E+03	8.422E+00	1.313E+02	5.057E+01	5.224E+00	2.254E+00	2.671E+01	2.091E+01	1.212E+00
4.800E+03	8.131E+00	1.381E+02	5.115E+01	5.319E+00	2.284E+00	2.801E+01	2.179E+01	1.213E+00
4.900E+03	7.846E+00	1.451E+02	5.175E+01	5.416E+00	2.320E+00	2.928E+01	2.263E+01	1.215E+00
5.000E+03	7.572E+00	1.525E+02	5.235E+01	5.520E+00	2.356E+00	3.050E+01	2.342E+01	1.217E+00
5.200E+03	7.048E+00	1.682E+02	5.360E+01	5.733E+00	2.435E+00	3.271E+01	2.479E+01	1.221E+00
5.400E+03	6.559E+00	1.648E+02	5.467E+01	5.956E+00	2.519E+00	3.469E+01	2.581E+01	1.221E+00
5.600E+03	6.110E+00	2.021E+02	5.615E+01	6.170E+00	2.606E+00	3.574E+01	2.645E+01	1.233E+00
5.800E+03	5.707E+00	2.199E+02	5.762E+01	6.422E+00	2.699E+00	3.637E+01	2.667E+01	1.240E+00
6.000E+03	5.333E+00	2.378E+02	5.865E+01	6.659E+00	2.790E+00	3.660E+01	2.650E+01	1.246E+00
6.200E+03	5.000E+00	2.556E+02	5.984E+01	6.895E+00	2.878E+00	3.589E+01	2.601E+01	1.253E+00
6.400E+03	4.705E+00	2.731E+02	6.125E+01	7.125E+00	2.963E+00	3.498E+01	2.530E+01	1.260E+00
6.600E+03	4.444E+00	2.900E+02	6.202E+01	7.348E+00	3.042E+00	3.384E+01	2.447E+01	1.265E+00
6.700E+03	4.212E+00	3.043E+02	6.311E+01	7.561E+00	3.115E+00	3.263E+01	2.364E+01	1.270E+00
7.000E+03	4.006E+00	3.221E+02	6.594E+01	7.738E+00	3.182E+00	3.151E+01	2.290E+01	1.273E+00
7.200E+03	3.821E+00	3.373E+02	6.648E+01	7.954E+00	3.243E+00	3.050E+01	2.232E+01	1.275E+00
7.400E+03	3.655E+00	3.521E+02	6.834E+01	8.134E+00	3.298E+00	2.948E+01	2.192E+01	1.275E+00
7.600E+03	3.505E+00	3.667E+02	6.942E+01	8.305E+00	3.350E+00	2.856E+01	2.172E+01	1.274E+00
7.800E+03	3.367E+00	3.811E+02	7.118E+01	8.486E+00	3.397E+00	2.729E+01	2.169E+01	1.273E+00
8.000E+03	3.240E+00	3.955E+02	7.292E+01	8.626E+00	3.442E+00	2.626E+01	2.148E+01	1.271E+00
8.200E+03	3.122E+00	4.095E+02	8.064E+01	8.761E+00	3.485E+00	2.538E+01	2.198E+01	1.269E+00
8.400E+03	3.013E+00	4.244E+02	8.935E+01	8.935E+00	3.526E+00	2.597E+01	2.220E+01	1.268E+00
8.600E+03	2.911E+00	4.390E+02	7.055E+01	9.089E+00	3.565E+00	2.797E+01	2.238E+01	1.268E+00
8.800E+03	2.814E+00	4.536E+02	7.173E+01	9.245E+00	3.603E+00	2.988E+01	2.268E+01	1.266E+00
9.000E+03	2.723E+00	4.683E+02	7.140E+01	9.403E+00	3.640E+00	3.165E+01	2.304E+01	1.265E+00
9.200E+03	2.633E+00	4.829E+02	7.205E+01	9.564E+00	3.676E+00	3.293E+01	2.344E+01	1.264E+00
9.400E+03	2.559E+00	4.973E+02	7.268E+01	9.728E+00	3.710E+00	3.427E+01	2.385E+01	1.263E+00
9.600E+03	2.484E+00	5.115E+02	7.325E+01	9.894E+00	3.742E+00	3.539E+01	2.429E+01	1.262E+00
9.800E+03	2.414E+00	5.253E+02	7.386E+01	1.0065E+01	3.772E+00	2.752E+01	2.558E+01	1.261E+00
1.000E+04	2.346E+00	5.380E+02	7.441E+01	1.023E+01	3.800E+00	2.651E+01	2.238E+01	1.260E+00
1.100E+04	2.076E+00	5.971E+02	7.667E+01	1.107E+01	3.907E+00	2.123E+01	1.565E+01	1.302E+00
1.200E+04	1.872E+00	6.455E+02	7.839E+01	1.177E+01	3.972E+00	1.873E+01	1.340E+01	1.307E+00
1.300E+04	1.707E+00	6.918E+02	7.899E+01	1.220E+01	4.020E+00	1.928E+01	1.403E+01	1.304E+00
1.400E+04	1.560E+00	7.420E+02	8.140E+01	1.266E+01	4.068E+00	2.184E+01	1.623E+01	1.304E+00
1.500E+04	1.441E+01	8.046E+02	8.323E+01	1.305E+01	4.128E+00	2.302E+01	1.855E+01	1.304E+00
1.600E+04	1.324E+00	8.699E+02	8.485E+01	1.347E+01	4.180E+00	2.304E+01	2.032E+01	1.298E+00
1.700E+04	1.220E+00	9.934E+02	8.649E+01	1.393E+01	4.231E+00	2.372E+01	2.230E+01	1.299E+00
1.800E+04	1.121E+00	1.052E+03	8.818E+01	1.446E+01	4.281E+00	2.435E+01	2.418E+01	1.298E+00
1.900E+04	1.029E+00	1.167E+03	9.171E+01	1.504E+01	4.358E+00	2.535E+01	2.616E+01	1.297E+00
2.000E+04	9.427E+01	1.299E+03	9.445E+01	1.567E+01	4.307E+00	2.732E+01	2.814E+01	1.296E+00
2.100E+04	8.633E+01	1.446E+03	9.736E+01	1.636E+01	4.921E+00	2.920E+01	3.012E+01	1.295E+00
2.200E+04	7.910E+01	1.605E+03	1.004E+02	1.710E+01	5.127E+00	3.126E+01	3.210E+01	1.294E+00
2.300E+04	7.256E+01	1.772E+03	1.036E+02	1.790E+01	5.365E+00	3.322E+01	3.410E+01	1.293E+00
2.400E+04	6.670E+01	1.944E+03	1.063E+02	1.871E+01	5.568E+00	3.524E+01	3.610E+01	1.292E+00
2.500E+04	6.163E+01	2.115E+03	1.094E+02	1.955E+01	5.791E+00	3.721E+01	3.810E+01	1.292E+00
2.600E+04	5.714E+01	2.282E+03	1.118E+02	2.042E+01	6.006E+00	3.928E+01	4.018E+01	1.291E+00
2.700E+04	5.322E+01	2.442E+03	1.143E+02	2.129E+01	6.296E+00	4.342E+01	4.222E+01	1.272E+00
2.800E+04	4.958E+01	2.593E+03	1.165E+02	2.216E+01	6.397E+00	4.540E+01	4.422E+01	1.260E+00
2.900E+04	4.684E+01	2.734E+03	1.185E+02	2.302E+01	6.568E+00	4.946E+01	4.622E+01	1.250E+00
3.100E+04	4.424E+01	2.865E+03	1.203E+02	2.389E+01	6.722E+00	5.166E+01	4.827E+01	1.240E+00
3.200E+04	4.196E+01	2.987E+03	1.219E+02	2.466E+01	6.863E+0			

TABLE I.- Continued

T	RH ₀ /RH ₀ -0	H/R ₀	S/R	A/A ₀	Z	CP/R	CV/R	GAMMA
3.500E+04	3.500E-01	3.418E+03	1.272E+02	2.738E+01	7.284E+00	4.123E+01	2.259E+01	1.383E+00
3.600E+04	3.363E-01	3.519E+03	1.284E+02	2.791E+01	7.369E+00	4.114E+01	2.766E+01	1.341E+00
3.700E+04	3.237E-01	3.620E+03	1.295E+02	2.840E+01	7.450E+00	4.102E+01	2.817E+01	1.376E+00
3.800E+04	3.119E-01	3.724E+03	1.306E+02	2.884E+01	7.527E+00	4.257E+01	2.902E+01	1.369E+00
3.900E+04	3.009E-01	3.830E+03	1.318E+02	2.930E+01	7.604E+00	4.305E+01	3.010E+01	1.362E+00
4.000E+04	2.904E-01	3.939E+03	1.329E+02	2.975E+01	7.680E+00	4.531E+01	3.130E+01	1.355E+00
4.100E+04	2.806E-01	4.053E+03	1.340E+02	3.020E+01	7.756E+00	4.678E+01	3.246E+01	1.350E+00
4.200E+04	2.712E-01	4.169E+03	1.352E+02	3.068E+01	7.832E+00	4.810E+01	3.349E+01	1.346E+00
4.300E+04	2.623E-01	4.289E+03	1.363E+02	3.112E+01	7.909E+00	4.913E+01	3.426E+01	1.345E+00
4.400E+04	2.539E-01	4.411E+03	1.374E+02	3.169E+01	7.985E+00	4.978E+01	3.473E+01	1.349E+00
4.500E+04	2.450E-01	4.534E+03	1.386E+02	3.223E+01	8.060E+00	5.002E+01	3.487E+01	1.348E+00
4.600E+04	2.365E-01	4.657E+03	1.397E+02	3.279E+01	8.133E+00	4.984E+01	3.469E+01	1.352E+00
4.700E+04	2.314E-01	4.779E+03	1.407E+02	3.335E+01	8.204E+00	4.932E+01	3.425E+01	1.357E+00
4.800E+04	2.247E-01	4.900E+03	1.418E+02	3.392E+01	8.271E+00	4.83L 1	3.361E+01	1.363E+00
4.900E+04	2.184E-01	5.018E+03	1.427E+02	3.448E+01	8.335E+00	4.757E+01	3.286E+01	1.37CE+00
5.000E+04	2.125E-01	5.134E+03	1.437E+02	3.504E+01	8.396E+00	4.656E+01	3.208E+01	1.376E+00

P/P₀ = 2.40E+02

T	RH ₀ /RH ₀ -0	H/R ₀	S/R	A/A ₀	Z	CP/R	CV/R	GAMMA
5.002E+02	1.768E+02	-5.070E+00	2.121E+01	1.189E+00	1.101E+00	1.226E+01	9.708E+00	1.208E+00
6.000E+02	1.271E+02	-1.033E+00	2.413E+01	1.402E+00	1.276E+00	1.995E+01	1.501E+01	1.208E+00
7.000E+02	9.100E+01	4.394E+00	2.756E+01	1.672E+00	1.528E+00	2.313E+01	1.673E+01	1.229E+00
8.000E+02	6.962E+01	9.634E+00	3.040E+01	1.938E+00	1.748E+00	1.654E+01	1.341E+01	1.264E+00
9.000E+02	5.770E+01	1.350F+01	3.225E+01	2.161E+00	1.874E+00	1.312E+01	9.554E+00	1.302E+00
1.000E+03	5.030E+01	1.632E+01	3.346E+01	2.339E+00	1.933E+00	1.015E+01	7.408E+00	1.330E+00
1.100E+03	4.556E+01	1.864E+01	3.436E+01	2.485E+00	1.966E+00	8.845E+00	6.666E+00	1.344E+00
1.200E+03	4.100E+01	2.075E+01	3.511E+01	2.608E+00	1.978E+00	8.299E+00	6.091E+00	1.348E+00
1.300E+03	3.770E+01	2.277E+01	3.574E+01	2.718E+00	1.988E+00	8.085E+00	5.963E+00	1.346E+00
1.400E+03	3.491E+01	2.476E+01	3.636E+01	2.820E+00	1.990E+00	8.071E+00	5.945E+00	1.343E+00
1.500E+03	3.256E+01	2.674E+01	3.692E+01	2.916E+00	1.993E+00	8.026E+00	5.975E+00	1.338E+00
1.600E+03	3.050E+01	2.873E+01	3.747E+01	3.008E+00	1.995E+00	8.064E+00	6.029E+00	1.334E+00
1.700E+03	2.849E+01	3.073E+01	3.793E+01	3.097E+00	1.996E+00	8.118E+00	6.093E+00	1.330E+00
1.800E+03	2.708E+01	3.275E+01	3.840E+01	3.182E+00	1.997E+00	8.181E+00	6.163E+00	1.325E+00
1.900E+03	2.565E+01	3.479E+01	3.884E+01	3.265E+00	1.997E+00	8.250E+00	6.235E+00	1.321E+00
2.000E+03	2.464E+01	3.684E+01	3.927E+01	3.345E+00	1.998E+00	8.325E+00	6.312E+00	1.317E+00
2.100E+03	2.319E+01	3.894E+01	3.968E+01	3.423E+00	1.998E+00	8.407E+00	6.394E+00	1.313E+00
2.200E+03	2.214E+01	4.101E+01	4.008E+01	3.498E+00	1.999E+00	8.500E+00	6.485E+00	1.309E+00
2.300E+03	2.117E+01	4.313E+01	4.046E+01	3.572E+00	1.999E+00	8.607E+00	6.589E+00	1.305E+00
2.400E+03	2.028E+01	4.528E+01	4.083E+01	3.643E+00	2.000E+00	8.734E+00	6.709E+00	1.301E+00
2.500E+03	1.946E+01	4.747E+01	4.120E+01	3.711E+00	2.000E+00	8.887E+00	6.852E+00	1.296E+00
2.600E+03	1.871E+01	4.970E+01	4.155E+01	3.778E+00	2.001E+00	9.070E+00	7.020E+00	1.291E+00
2.700E+03	1.800E+01	5.198E+01	4.190E+01	3.843E+00	2.002E+00	9.290E+00	7.221E+00	1.285E+00
2.800E+03	1.735E+01	5.432E+01	4.225E+01	3.905E+00	2.004E+00	9.553E+00	7.458E+00	1.279E+00
2.900E+03	1.673E+01	5.673E+01	4.259E+01	3.964E+00	2.006E+00	9.805E+00	7.736E+00	1.273E+00
3.000E+03	1.616E+01	5.923E+01	4.294E+01	4.026E+00	2.008E+00	1.023E+01	8.060E+00	1.266E+00
3.100E+03	1.561E+01	6.182E+01	4.328E+01	4.086E+00	2.011E+00	1.065E+01	8.431E+00	1.260E+00
3.200E+03	1.510E+01	6.453E+01	4.363E+01	4.146E+00	2.015E+00	1.114E+01	8.854E+00	1.253E+00
3.300E+03	1.460E+01	6.737E+01	4.399E+01	4.203E+00	2.020E+00	1.170E+01	9.330E+00	1.247E+00
3.400E+03	1.413E+01	7.035E+01	4.435E+01	4.262E+00	2.025E+00	1.232E+01	9.800E+00	1.241E+00
3.500E+03	1.368E+01	7.330E+01	4.472E+01	4.322E+00	2.032E+00	1.301E+01	1.046E+01	1.233E+00
3.600E+03	1.325E+01	7.682E+01	4.510E+01	4.383E+00	2.040E+00	1.377E+01	1.108E+01	1.230E+00
3.700E+03	1.283E+01	8.035E+01	4.549E+01	4.446E+00	2.050E+00	1.461E+01	1.177E+01	1.226E+00
3.800E+03	1.243E+01	8.409E+01	4.590E+01	4.510E+00	2.061E+00	1.552E+01	1.251E+01	1.222E+00
3.900E+03	1.204E+01	8.806E+01	4.632E+01	4.577E+00	2.073E+00	1.649E+01	1.329E+01	1.219E+00
4.000E+03	1.166E+01	9.229E+01	4.675E+01	4.646E+00	2.088E+00	1.753E+01	1.411E+01	1.216E+00
4.100E+03	1.128E+01	9.677E+01	4.723E+01	4.718E+00	2.104E+00	1.862E+01	1.497E+01	1.214E+00
4.200E+03	1.092E+01	1.015E+02	4.767E+01	4.793E+00	2.122E+00	1.977E+01	1.585E+01	1.213E+00
4.300E+03	1.057E+01	1.066E+02	4.815E+01	4.871E+00	2.142E+00	2.097E+01	1.676E+01	1.212E+00
4.400E+03	1.022E+01	1.119E+02	4.865E+01	4.951E+00	2.164E+00	2.221E+01	1.767E+01	1.211E+00
4.500E+03	9.883E+00	1.176E+02	4.917E+01	5.036E+00	2.189E+00	2.347E+01	1.859E+01	1.211E+00
4.600E+03	9.553E+00	1.236E+02	5.070E+01	5.123E+00	2.215E+00	2.475E+01	1.950E+01	1.212E+00
4.700E+03	9.230E+00	1.298E+02	5.205E+01	5.213E+00	2.244E+00	2.603E+01	2.040E+01	1.212E+00
4.800E+03	8.915E+00	1.364E+02	5.082E+01	5.307E+00	2.274E+00	2.730E+01	2.127E+01	1.214E+00
4.900E+03	8.609E+00	1.434E+02	5.140E+01	5.406E+00	2.307E+00	2.855E+01	2.210E+01	1.215E+00
5.000E+03	8.311E+00	1.506E+02	5.199E+01	5.504E+00	2.342E+00	2.975E+01	2.288E+01	1.217E+00
5.200E+03	7.742E+00	1.658E+02	5.320E+01	5.713E+00	2.418E+00	3.196E+01	2.426E+01	1.221E+00
5.400E+03	7.211E+00	1.821E+02	5.465E+01	5.933E+00	2.500E+00	3.378E+01	2.532E+01	1.227E+00
5.600E+03	6.721E+00	1.991E+02	5.571E+01	6.160E+00	2.586E+00	3.512E+01	2.603E+01	1.233E+00
5.800E+03	6.272E+00	2.166E+02	5.695E+01	6.393E+00	2.675F+00	3.589E+01	2.634E+01	1.239E+00
6.000E+03	5.567E+00	2.343E+02	5.801E+01	6.628E+00	2.765E+00	3.607E+01	2.628E+01	1.246E+00
6.200E+03	5.502E+00	2.520E+02	5.935E+01	6.862E+00	2.837E+00	3.573E+01	2.590E+01	1.252E+00
6.400E+03	5.177E+00	2.694E+02	6.048E+01	7.092E+00	2.938E+00	3.497E+01	2.528E+01	1.259E+00
6.600E+03	4.886E+00	2.864E+02	6.153E+01	7.316E+00	3.017E+00	3.395E+01	2.453E+01	1.266E+00
6.800E+03	4.631E+00	3.028E+02	6.253E+01	7.530E+00	3.091E+00	3.283E+01	2.375E+01	1.269E+00
7.000E+03	4.401E+00	3.186E+02	6.346E+01	7.734E+00	3.159E+00	3.176E+01	2.302E+01	1.272E+00
7.200E+03	4.196E+00	3.340E+02	6.434E+01	7.927E+00	3.221E+00	3.080E+01	2.243E+01	1.275E+00
7.400E+03	4.012E+00	3.489E+02	6.517E+01	8.110E+00	3.278E+00	3.008E+01	2.201E+01	1.275E+00
7.600E+03	3.845E+00	3.636E+02	6.596E+01	8.283E+00	3.331E+00	2.959E+01	2.176E+01	1.275E+00
7.800E+03	3.692E+00	3.780E+02	6.673E+01	8.448E+00	3.380E+00	2.939E+01	2.169E+01	1.274E+00
8.000E+03	3.552E+00	3.924E+02	6.747E+01	8.608E+00	3.425E+00	2.928E+01	2.175E+01	1.272E+00
8.200E+03	3.422E+00	4.068E+02	6.819E+01	8.746E+00	3.469E+00	2.930E+01	2.191E+01	1.270F+00
8.400E+03	3.301E+00	4.213E+02	6.890E+01	8.918E+00	3.510E+00	2.951E+01	2.210E+01	1.269E+00
8.600E+03	3.188E+00	4.359E+02	6.959E+01	9.073E+00	3.550E+00	2.947E+01	2.227E+01	1.268E+00
8.800E+03	3.082E+00	4.505E+02	7.027E+01					

TABLE I. - Continued

T	RHO/RHO-J=0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+01	2.983E+00	4.651E+02	7.096E+01	9.386E+00	3.620E+00	2.974E+01	2.237E+01	1.270E+00
9.200E+03	2.889E+00	4.797E+02	7.159E+01	9.546E+00	3.661E+00	2.754E+01	2.221E+01	1.273E+00
9.400E+03	2.802E+00	4.941E+02	7.222E+01	9.709E+00	3.696E+00	2.913E+01	2.188E+01	1.276E+00
9.600E+03	2.719E+00	5.083E+02	7.283E+01	9.874E+00	3.729E+00	2.822E+01	2.137E+01	1.281E+00
9.800E+03	2.642E+00	5.222E+02	7.341E+01	1.004E+01	3.759E+00	2.772E+01	2.072E+01	1.287E+00
1.000E+04	2.564E+00	5.356E+02	7.398E+01	1.021E+01	3.788E+00	2.677E+01	1.993E+01	1.295E+00
1.100E+04	2.270E+00	5.949E+02	7.625E+01	1.105E+01	3.899E+00	2.154E+01	1.580E+01	1.339E+00
1.200E+04	2.045E+00	6.438E+02	7.798E+01	1.176E+01	3.966E+00	1.883E+01	1.354E+01	1.368E+00
1.300E+04	1.865E+00	6.901E+02	7.948E+01	1.227E+01	4.014E+00	1.917E+01	1.392E+01	1.356E+00
1.400E+04	1.711E+00	7.398E+02	8.098E+01	1.267E+01	4.147E+00	2.156E+01	1.597E+01	1.327E+00
1.500E+04	1.575E+00	7.972E+02	8.298E+01	1.305E+01	4.146E+00	2.534E+01	1.915E+01	1.296E+00
1.600E+04	1.450E+00	8.653E+02	8.436E+01	1.346E+01	4.194E+00	3.026E+01	2.317E+01	1.211E+00
1.700E+04	1.336E+00	9.466E+02	8.636E+01	1.392E+01	4.287E+00	3.407E+01	2.781E+01	1.251E+00
1.800E+04	1.228E+00	1.043E+03	8.866E+01	1.443E+01	4.420E+00	4.240E+01	3.279E+01	1.236E+00
1.900E+04	1.128E+00	1.156E+03	9.106E+01	1.500E+01	4.556E+00	4.912E+01	3.776E+01	1.227E+00
2.000E+04	1.035E+00	1.284E+03	9.374E+01	1.582E+01	4.701E+00	5.551E+01	4.235E+01	1.220E+00
2.100E+04	9.492E-01	1.427E+03	9.657E+01	1.629E+01	6.883E+00	6.114E+01	4.618E+01	1.218E+00
2.200E+04	8.705E-01	1.583E+03	9.951E+01	1.702E+01	5.082E+00	6.592E+01	4.892E+01	1.219E+00
2.300E+04	7.994E-01	1.748E+03	1.025E+02	1.779E+01	5.794E+00	6.831E+01	5.036E+01	1.222E+00
2.400E+04	7.358E-01	1.917E+03	1.054E+02	1.859E+01	5.911E+00	6.933E+01	5.048E+01	1.229E+00
2.500E+04	6.796E-01	2.086E+03	1.182E+02	1.963E+01	5.729E+00	6.867E+01	4.938E+01	1.239E+00
2.600E+04	6.301E-01	2.252E+03	1.108E+02	2.028E+01	5.941E+00	6.658E+01	4.730E+01	1.252E+00
2.700E+04	5.869E-01	2.412E+03	1.137E+02	2.114E+01	6.143E+00	6.337E+01	4.637E+01	1.268E+00
2.800E+04	5.491E-01	2.563E+03	1.159E+02	2.200E+01	6.330E+00	5.978E+01	4.151E+01	1.285E+00
2.900E+04	5.162E-01	2.704E+03	1.175E+02	2.286E+01	6.502E+00	5.590E+01	3.842E+01	1.303E+00
3.000E+04	4.873E-01	2.837E+03	1.193E+02	2.369E+01	6.658E+00	5.217E+01	3.551E+01	1.322E+00
3.100E+04	4.619E-01	2.966E+03	1.210E+02	2.450E+01	6.798E+00	4.882E+01	3.296E+01	1.340E+00
3.200E+04	4.393E-01	3.076E+03	1.225E+02	2.522E+01	6.924E+00	4.601E+01	3.086E+01	1.356E+00
3.300E+04	4.192E-01	3.186E+03	1.239E+02	2.599E+01	7.037E+00	4.382E+01	2.927E+01	1.369E+00
3.400E+04	4.010E-01	3.292E+03	1.251E+02	2.666E+01	7.139E+00	4.229E+01	2.820E+01	1.377E+00
3.500E+04	3.845E-01	3.396E+03	1.263E+02	2.726E+01	7.232E+00	4.161E+01	2.708E+01	1.381E+00
3.600E+04	3.694E-01	3.495E+03	1.275E+02	2.781E+01	7.319E+00	4.116E+01	2.700E+01	1.381E+00
3.700E+04	3.554E-01	3.597E+03	1.286E+02	2.831E+01	7.401E+00	4.164E+01	2.798E+01	1.377E+00
3.800E+04	3.424E-01	3.700E+03	1.297E+02	2.870E+01	7.480E+00	4.228E+01	2.871E+01	1.371E+00
3.900E+04	3.302E-01	3.805E+03	1.308E+02	2.923E+01	7.557E+00	4.343E+01	2.969E+01	1.364E+00
4.000E+04	3.198E-01	3.917E+03	1.320E+02	2.968E+01	7.633E+00	4.479E+01	3.082E+01	1.357E+00
4.100E+04	3.079E-01	4.025E+03	1.331E+02	3.014E+01	7.710E+00	4.621E+01	3.196E+01	1.352E+00
4.200E+04	2.976E-01	4.141E+03	1.342E+02	3.061E+01	7.784E+00	4.753E+01	3.299E+01	1.348E+00
4.300E+04	2.879E-01	4.259E+03	1.353E+02	3.110E+01	7.863E+00	4.882E+01	3.382E+01	1.344E+00
4.400E+04	2.786E-01	4.380E+03	1.365E+02	3.161E+01	7.939E+00	4.938E+01	3.437E+01	1.346E+00
4.500E+04	2.699E-01	4.502E+03	1.376E+02	3.214E+01	8.014E+00	4.975E+01	3.461E+01	1.347E+00
4.600E+04	2.616E-01	4.626E+03	1.387E+02	3.269E+01	8.088E+00	4.972E+01	3.455E+01	1.351E+00
4.700E+04	2.538E-01	4.734E+03	1.397E+02	3.324E+01	8.159E+00	4.933E+01	3.421E+01	1.356E+00
4.800E+04	2.464E-01	4.847E+03	1.408E+02	3.381E+01	8.228E+00	4.866E+01	3.368E+01	1.362E+00
4.900E+04	2.395E-01	4.966E+03	1.418E+02	3.437E+01	8.293E+00	4.780E+01	3.298E+01	1.368E+00
5.000E+04	2.330E-01	5.102E+03	1.427E+02	3.493E+01	8.359E+00	4.685E+01	3.225E+01	1.374E+00

P/PN = 2.60F+02

T	RHO/RHO-J=0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	1.922E+02	-5.129E+00	2.108E+01	1.187E+00	1.097E+00	1.196E+01	9.479E+00	1.209E+00
6.000E+02	1.388E+02	-1.251E+01	2.392E+01	1.397E+00	1.266E+00	1.494E+01	1.469E+01	1.208E+00
7.000E+02	9.458E+01	4.148E+00	2.729E+01	1.663E+00	1.513E+00	2.298E+01	1.663E+01	1.226E+00
8.000E+02	7.600E+01	9.413E+00	3.015E+01	1.929E+00	1.734E+00	1.883E+01	1.883E+01	1.262E+00
9.000E+02	6.279E+01	1.375E+01	3.204E+01	2.154E+00	1.866E+00	1.342E+01	9.764E+00	1.299E+00
1.000E+03	5.663E+01	1.624E+01	3.327E+01	2.335E+00	1.930E+00	1.034E+01	7.538E+00	1.328E+00
1.100E+03	4.886E+01	1.860E+01	3.419E+01	2.448E+00	1.961E+00	8.944E+00	6.537E+00	1.363E+00
1.200E+03	4.446E+01	2.072E+01	3.494E+01	2.606E+00	1.976E+00	6.354E+00	6.130E+00	1.347E+00
1.300E+03	4.087E+01	2.275E+01	3.560E+01	2.717E+00	1.985E+00	6.117E+00	5.985E+00	1.346E+00
1.400E+03	3.786E+01	2.475E+01	3.620E+01	2.819E+00	1.989E+00	6.040E+00	5.957E+00	1.343E+00
1.500E+03	3.528E+01	2.673E+01	3.675E+01	2.916E+00	1.992E+00	6.038E+00	5.983E+00	1.338E+00
1.600E+03	3.305E+01	2.872E+01	3.728E+01	3.008E+00	1.996E+00	6.072E+00	6.034E+00	1.334E+00
1.700E+03	3.108E+01	3.073E+01	3.777E+01	3.096E+00	1.996E+00	6.123E+00	6.097E+00	1.330E+00
1.800E+03	2.936E+01	3.275E+01	3.824E+01	3.182E+00	1.996E+00	6.185E+00	6.165E+00	1.325E+00
1.900E+03	2.770E+01	3.474E+01	3.866E+01	3.265E+00	1.997E+00	6.252E+00	6.236E+00	1.321E+00
2.000E+03	2.639E+01	3.684E+01	3.911E+01	3.365E+00	1.998E+00	6.326E+00	6.312E+00	1.317E+00
2.100E+03	2.513E+01	3.891E+01	3.952E+01	3.423E+00	1.998E+00	6.406E+00	6.393E+00	1.313E+00
2.200E+03	2.398E+01	4.100E+01	3.992E+01	3.498E+00	1.998E+00	6.497E+00	6.483E+00	1.310E+00
2.300E+03	2.293E+01	4.312E+01	4.030E+01	3.572E+00	1.999E+00	6.602E+00	6.586E+00	1.305E+00
2.400E+03	2.197E+01	4.527E+01	4.067E+01	3.643E+00	1.999E+00	6.724E+00	6.702E+00	1.301E+00
2.500E+03	2.109E+01	4.746E+01	4.103E+01	3.712E+00	2.000E+00	6.874E+00	6.860E+00	1.296E+00
2.600E+03	2.027E+01	4.966E+01	4.139E+01	3.770E+00	2.001E+00	6.952E+00	7.004E+00	1.291E+00
2.700E+03	1.951E+01	5.196E+01	4.176E+01	3.843E+00	2.002E+00	7.245E+00	7.198E+00	1.285E+00
2.800E+03	1.880E+01	5.429E+01	4.209E+01	3.906E+00	2.003E+00	7.519E+00	7.427E+00	1.280E+00
2.900E+03	1.813E+01	5.666E+01	4.263E+01	3.967E+00	2.005E+00	7.820E+00	7.696E+00	1.273E+00
3.000E+03	1.751E+01	5.918E+01	4.277E+01	4.028E+00	2.006E+00	8.017E+00	8.000E+00	1.267E+00
3.100E+03	1.697E+01	6.176E+01	4.311E+01	4.087E+00	2.011E+00	8.158E+00	8.366E+00	1.261E+00
3.200E+03	1.648E+01	6.444E+01	4.366E+01	4.165E+00	2.014E+00	8.105E+00	8.776E+00	1.254E+00
3.300E+03	1.598E+01	6.726E+01	4.430E+01	4.204E+00	2.019E+00	8.198E+00	9.232E+00	1.248E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	C/V/R	GAMMA
3.400E+03	1.532E+01	7.021E+01	4.417E+01	6.263E+00	2.024E+00	1.218E+01	9.742E+00	1.242E+00
3.500E+03	1.483E+01	7.332E+01	4.454E+01	6.323E+00	2.031E+00	1.209E+01	1.031E+01	1.237E+00
3.600E+03	1.437E+01	7.661E+01	4.491E+01	6.384E+00	2.039E+00	1.358E+01	1.092E+01	1.222E+00
3.700E+03	1.392E+01	8.000E+01	4.530E+01	6.446E+00	2.048E+00	1.439E+01	1.158E+01	1.227E+00
3.800E+03	1.348E+01	8.376E+01	4.570E+01	6.510E+00	2.058E+00	1.526E+01	1.229E+01	1.223E+00
3.900E+03	1.306E+01	8.707E+01	4.611E+01	6.576E+00	2.070E+00	1.620E+01	1.305E+01	1.220E+00
4.000E+03	1.265E+01	9.181E+01	4.654E+01	6.645E+00	2.084E+00	1.720E+01	1.384E+01	1.217E+00
4.100E+03	1.225E+01	9.671E+01	4.698E+01	6.716E+00	2.100E+00	1.825E+01	1.467E+01	1.215E+00
4.200E+03	1.186E+01	1.009E+02	4.744E+01	6.786E+00	2.117E+00	1.938E+01	1.552E+01	1.214E+00
4.300E+03	1.148E+01	1.058E+02	4.791E+01	6.857E+00	2.136E+00	2.052E+01	1.640E+01	1.213E+00
4.400E+03	1.111E+01	1.111E+02	4.840E+01	6.926E+00	2.158E+00	2.172E+01	1.729E+01	1.212E+00
4.500E+03	1.074E+01	1.166E+02	4.889E+01	5.026E+00	2.181E+00	2.294E+01	1.810E+01	1.211E+00
4.600E+03	1.039E+01	1.224E+02	4.943E+01	5.115E+00	2.207E+00	2.418E+01	1.907E+01	1.212E+00
4.700E+03	1.004E+01	1.286E+02	4.996E+01	5.204E+00	2.234E+00	2.542E+01	1.995E+01	1.213E+00
4.800E+03	9.702E+00	1.350E+02	5.051E+01	5.296E+00	2.264E+00	2.667E+01	2.080E+01	1.214E+00
4.900E+03	9.373E+00	1.418E+02	5.108E+01	5.392E+00	2.298E+00	2.789E+01	2.162E+01	1.216E+00
5.000E+03	9.052E+00	1.488E+02	5.166E+01	5.490E+00	2.330E+00	2.908E+01	2.239E+01	1.217E+00
5.200E+03	8.439E+00	1.637E+02	5.285E+01	5.690E+00	2.403E+00	3.127E+01	2.377E+01	1.222E+00
5.400E+03	7.866E+00	1.796E+02	5.407E+01	5.912E+00	2.482E+00	3.313E+01	2.487E+01	1.222E+00
5.600E+03	7.336E+00	1.964E+02	5.530E+01	6.137E+00	2.567E+00	3.453E+01	2.583E+01	1.233E+00
5.800E+03	6.849E+00	2.136E+02	5.653E+01	6.367E+00	2.647E+00	3.541E+01	2.682E+01	1.239E+00
6.000E+03	6.407E+00	2.312E+02	5.774E+01	6.606E+00	2.733E+00	3.576E+01	2.605E+01	1.245E+00
6.200E+03	6.010E+00	2.487E+02	5.891E+01	6.833E+00	2.830E+00	3.556E+01	2.577E+01	1.252E+00
6.400E+03	5.653E+00	2.661E+02	6.003E+01	7.062E+00	2.914E+00	3.493E+01	2.524E+01	1.258E+00
6.600E+03	5.336E+00	2.830E+02	6.109E+01	7.280E+00	2.994E+00	3.402E+01	2.456E+01	1.264E+00
6.800E+03	5.053E+00	2.995E+02	6.209E+01	7.501E+00	3.069E+00	3.298E+01	2.382E+01	1.268E+00
7.000E+03	4.801E+00	3.156E+02	6.302E+01	7.706E+00	3.138E+00	3.193E+01	2.312E+01	1.272E+00
7.200E+03	4.575E+00	3.309E+02	6.391E+01	7.901E+00	3.201E+00	3.100E+01	2.253E+01	1.274E+00
7.400E+03	4.372E+00	3.459E+02	6.474E+01	8.086E+00	3.299E+00	3.025E+01	2.208E+01	1.275E+00
7.600E+03	4.188E+00	3.606E+02	6.554E+01	8.261E+00	3.313E+00	2.943E+01	2.181E+01	1.275E+00
7.800E+03	4.020E+00	3.751E+02	6.631E+01	8.429E+00	3.363E+00	2.942E+01	2.170E+01	1.274E+00
8.000E+03	3.866E+00	3.896E+02	6.709E+01	8.590E+00	3.409E+00	2.931E+01	2.172E+01	1.273E+00
8.200E+03	3.724E+00	4.040E+02	6.777E+01	8.767E+00	3.453E+00	2.935E+01	2.184E+01	1.271E+00
8.400E+03	3.592E+00	4.186E+02	6.848E+01	8.902E+00	3.495E+00	2.947E+01	2.201E+01	1.270E+00
8.600E+03	3.468E+00	4.329E+02	6.917E+01	9.057E+00	3.535E+00	2.961E+01	2.218E+01	1.269E+00
8.800E+03	3.352E+00	4.475E+02	6.985E+01	9.213E+00	3.574E+00	2.971E+01	2.229E+01	1.269E+00
9.000E+03	3.244E+00	4.621E+02	7.052E+01	9.370E+00	3.612E+00	2.970E+01	2.230E+01	1.271E+00
9.200E+03	3.147E+00	4.771E+02	7.117E+01	9.529E+00	3.668E+00	2.953E+01	2.217E+01	1.273E+00
9.400E+03	3.046E+00	4.912E+02	7.180E+01	9.681E+00	3.603E+00	2.918E+01	2.139E+01	1.276E+00
9.600E+03	2.956E+00	5.054E+02	7.241E+01	9.835E+00	3.716E+00	2.887E+01	2.143E+01	1.281E+00
9.800E+03	2.871E+00	5.193E+02	7.299E+01	1.002E+01	3.767E+00	2.789E+01	2.083E+01	1.287E+00
1.000E+04	2.792E+00	5.328E+02	7.356E+01	1.019E+01	3.777E+00	2.679E+01	2.009E+01	1.293E+00
1.130E+04	5.928E+00	5.928E+02	7.580E+01	1.103E+01	3.891E+00	2.186E+01	1.990E+01	1.337E+00
1.200E+04	2.219E+00	6.423E+02	7.761E+01	1.175E+01	3.960E+00	1.894E+01	1.362E+01	1.364E+00
1.300E+04	2.023E+00	6.885E+02	7.911E+01	1.227E+01	4.008E+00	1.908E+01	1.383E+01	1.358E+00
1.400E+04	1.856E+00	7.378E+02	8.060E+01	1.267E+01	4.057E+00	2.120E+01	1.574E+01	1.330E+00
1.500E+04	1.709E+00	7.943E+02	8.218E+01	1.305E+01	4.114E+00	2.491E+01	1.879E+01	1.299E+00
1.600E+04	1.575E+00	8.612E+02	8.392E+01	1.346E+01	4.185E+00	2.466E+01	2.269E+01	1.273E+00
1.700E+04	1.451E+00	9.408E+02	8.586E+01	1.391E+01	4.275E+00	3.529E+01	2.721E+01	1.252E+00
1.800E+04	1.336E+00	1.035E+03	8.807E+01	1.441E+01	4.385E+00	4.156E+01	3.208E+01	1.237E+00
1.900E+04	1.220E+00	1.145E+03	9.048E+01	1.499E+01	4.519E+00	4.803E+01	3.698E+01	1.227E+00
2.000E+04	1.120E+00	1.271E+03	9.309E+01	1.557E+01	4.677E+00	5.431E+01	4.153E+01	1.220E+00
2.100E+04	1.035E+00	1.411E+03	9.587E+01	1.623E+01	4.855E+00	6.991E+01	4.537E+01	1.217E+00
2.200E+04	9.505E-01	1.564E+03	9.875E+01	1.696E+01	5.062E+00	8.436E+01	4.818E+01	1.217E+00
2.300E+04	8.736E-01	1.725E+03	1.017E+02	1.770E+01	5.268E+00	9.765E+01	5.1975E+01	1.221E+00
2.400E+04	8.066E-01	1.892E+03	1.045E+02	1.849E+01	5.460E+00	6.851E+01	5.404E+01	1.227E+00
2.500E+04	7.436E-01	2.060E+03	1.073E+02	1.913E+01	5.676E+00	6.811E+01	5.913E+01	1.237E+00
2.600E+04	6.869E-01	2.225E+03	1.099E+02	2.015E+01	5.883E+00	6.830E+01	6.424E+01	1.249E+00
2.700E+04	6.421E-01	2.384E+03	1.124E+02	2.100E+01	6.082E+00	6.365E+01	6.456E+01	1.264E+00
2.800E+04	5.977E-01	2.535E+03	1.146E+02	2.184E+01	6.249E+00	5.977E+01	6.175E+01	1.280E+00
2.900E+04	5.645E-01	2.677E+03	1.166E+02	2.271E+01	6.441E+00	5.625E+01	5.874E+01	1.299E+00
3.000E+04	5.327E-01	2.810E+03	1.189E+02	2.354E+01	6.598E+00	5.268E+01	5.587E+01	1.317E+00
3.100E+04	5.066E-01	2.935E+03	1.201E+02	2.433E+01	6.760E+00	4.930E+01	5.332E+01	1.335E+00
3.200E+04	4.879E-01	3.052E+03	1.214E+02	2.513E+01	6.868E+00	4.647E+01	5.119E+01	1.352E+00
3.300E+04	4.737E-01	3.163E+03	1.230E+02	2.598E+01	6.983E+00	4.422E+01	4.956E+01	1.363E+00
3.400E+04	4.637E-01	3.269E+03	1.238E+02	2.653E+01	7.087E+00	4.299E+01	4.839E+01	1.375E+00
3.500E+04	4.549E-01	3.372E+03	1.255E+02	2.715E+01	7.183E+00	4.160E+01	4.774E+01	1.382E+00
3.600E+04	4.428E-01	3.474E+03	1.267E+02	2.772E+01	7.272E+00	4.122E+01	4.757E+01	1.381E+00
3.700E+04	3.875E+00	3.575E+03	1.278E+02	2.823E+01	7.355E+00	4.159E+01	4.703E+01	1.376F+00
3.800E+04	3.732E+00	3.677E+03	1.289E+02	2.871E+01	7.435E+00	4.204E+01	4.645E+01	1.372E+00
3.900E+04	3.599E+00	3.702E+03	1.300E+02	2.917E+01	7.513E+00	4.337E+01	4.935E+01	1.366E+00
4.000E+04	3.473E+00	3.808E+03	1.311E+02	2.962E+01	7.590E+00	4.434E+01	5.040E+01	1.359E+00
4.100E+04	3.355E+00	3.900E+03	1.322E+02	3.007E+01	7.666E+00	4.571E+01	5.150E+01	1.353E+00
4.200E+04	3.243E+00	4.014E+03	1.333E+02	3.058E+01	7.737E+00	4.702E+01	5.254E+01	1.349E+00
4.300E+04	3.136E+00	4.231E+03	1.346E+02	3.102E+01	7.819E+00	4.815E+01	5.360E+01	1.347E+00
4.400E+04	3.035E+00	4.351E+03	1.356E+02	3.153E+01	7.895E+00	4.898E+01	5.402E+01	1.346E+00
4.500E+04	2.940E+00	4.472E+03	1.367E+02	3.205E+01	7.971E+00	4.946E+01	5.435E+01	1.348E+00
4.600E+04	2.846E+00	4.596E+03	1.378E+02	3.270E+01	8.045E+00	4.956E+01	5.438E+01	1.351E+00
4.700E+04	2.764E+00	4.715E+03	1.389E+02	3.315E+01	8.117E+00	4.930E+01	5.414E+01	1.355E+00
4.800E+04	2.683E+00	4.836E+03	1.399E+02	3.371E+01	8.187E+00	4.874E+01	5.368E+01	1.360E+00
4.900E+04	2.607E+00	4.955E+03	1.408E+02	3.427E+01	8.253E+00	4.797E+01	5.307E+01	1.364E+00
5.000E+04	2.531E+00	5.072E+03	1.418E+02	3.483E+01	8.316E+00	4.708E+01	5.237E+01	1.373E+00

TABLE I. - Continued

P/P0 = 2.80E+02

T	BMD/R470-0	M/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
5.000E+02	2.077E+02	-5.182E+00	2.795E+01	1.166E+00	1.093E+00	1.170E+01	9.274E+00	1.210E+00
6.000E+02	1.505E+02	-1.393E+00	2.773E+01	1.392E+00	1.257E+00	1.906E+01	1.440E+01	1.209E+00
7.000E+02	1.082E+02	3.922E+00	2.705E+01	1.655E+00	1.499E+00	2.201E+01	1.652E+01	1.228E+00
8.000E+02	8.245E+01	9.202E+00	2.991E+01	1.921E+00	1.721E+00	1.908E+01	1.374E+01	1.260E+00
9.000E+02	6.792E+01	1.322E+01	3.184E+01	2.187E+00	1.858E+00	1.371E+01	9.958E+00	1.297E+00
1.000E+03	5.897E+01	1.616E+01	3.310E+01	2.330E+00	1.925E+00	1.052E+01	7.663E+00	1.326E+00
1.100E+03	5.272E+01	1.859E+01	3.402E+01	2.479E+00	1.958E+00	9.043E+00	6.607E+00	1.342E+00
1.200E+03	4.792E+01	2.069E+01	3.478E+01	2.604E+00	1.975E+00	8.408E+00	6.168E+00	1.347E+00
1.300E+03	4.404E+01	2.273E+01	3.546E+01	2.716E+00	1.986E+00	8.148E+00	6.007E+00	1.346E+00
1.400E+03	4.079E+01	2.673E+01	3.605E+01	2.819E+00	1.989E+00	8.059E+00	5.970E+00	1.342E+00
1.500E+03	3.801E+01	2.672E+01	3.660E+01	2.915E+00	1.992E+00	8.050E+00	5.991E+00	1.338E+00
1.600E+03	3.559E+01	2.872E+01	3.713E+01	3.007E+00	1.996E+00	8.080E+00	6.039E+00	1.334E+00
1.700E+03	3.348E+01	3.072E+01	3.762E+01	3.098E+00	1.999E+00	8.124E+00	6.100E+00	1.329E+00
1.800E+03	3.160E+01	3.274E+01	3.809E+01	3.182E+00	1.996E+00	8.188E+00	6.167E+00	1.325E+00
1.900E+03	2.993E+01	3.478E+01	3.851E+01	3.266E+00	1.997E+00	8.244E+00	6.238E+00	1.321E+00
2.000E+03	2.842E+01	3.683E+01	3.896E+01	3.349E+00	1.997E+00	8.227E+00	6.312E+00	1.317E+00
2.100E+03	2.707E+01	3.891E+01	3.937E+01	3.423E+00	1.998E+00	8.406E+00	6.392E+00	1.314E+00
2.200E+03	2.593E+01	4.100E+01	3.977E+01	3.498E+00	1.998E+00	8.495E+00	6.480E+00	1.310E+00
2.300E+03	2.470E+01	4.312E+01	4.015E+01	3.572E+00	1.999E+00	8.598E+00	6.580E+00	1.305E+00
2.400E+03	2.367E+01	4.527E+01	4.052E+01	3.643E+00	1.999E+00	8.719E+00	6.685E+00	1.301E+00
2.500E+03	2.271E+01	4.765E+01	4.089E+01	3.712E+00	2.000E+00	8.836E+00	6.830E+00	1.296E+00
2.600E+03	2.183E+01	4.967E+01	4.126E+01	3.779E+00	2.001E+00	9.036E+00	6.989E+00	1.291E+00
2.700E+03	2.101E+01	5.194E+01	4.159E+01	3.846E+00	2.002E+00	9.242E+00	7.178E+00	1.284E+00
2.800E+03	2.025E+01	5.427E+01	4.193E+01	3.907E+00	2.003E+00	9.488E+00	7.400E+00	1.280E+00
2.900E+03	1.953E+01	5.666E+01	4.227E+01	3.968E+00	2.005E+00	9.779E+00	7.660E+00	1.276E+00
3.000E+03	1.886E+01	5.913E+01	4.261E+01	4.029E+00	2.007E+00	1.012E+01	7.962E+00	1.268E+00
3.100E+03	1.822E+01	6.170E+01	4.296E+01	4.086E+00	2.010E+00	1.051E+01	8.308E+00	1.262E+00
3.200E+03	1.762E+01	6.437E+01	4.310E+01	4.147E+00	2.014E+00	1.097E+01	8.702E+00	1.255E+00
3.300E+03	1.705E+01	6.716E+01	4.365E+01	4.205E+00	2.018E+00	1.148E+01	9.145E+00	1.249E+00
3.400E+03	1.651E+01	7.009E+01	4.420E+01	4.264E+00	2.023E+00	1.206E+01	9.610E+00	1.243E+00
3.500E+03	1.598E+01	7.316E+01	4.437E+01	4.324E+00	2.030E+00	1.270E+01	1.018E+01	1.238E+00
3.600E+03	1.544E+01	7.661E+01	4.474E+01	4.383E+00	2.037E+00	1.341E+01	1.070E+01	1.233E+00
3.700E+03	1.500E+01	7.986E+01	4.512E+01	4.446E+00	2.046E+00	1.419E+01	1.142E+01	1.229E+00
3.800E+03	1.453E+01	8.347E+01	4.551E+01	4.510E+00	2.056E+00	1.503E+01	1.210E+01	1.225E+00
3.900E+03	1.408E+01	8.731E+01	4.592E+01	4.570E+00	2.068E+00	1.594E+01	1.283E+01	1.221E+00
4.000E+03	1.365E+01	9.139E+01	4.641E+01	4.646E+00	2.081E+00	1.690E+01	1.360E+01	1.219E+00
4.100E+03	1.321E+01	9.571E+01	4.677E+01	4.714E+00	2.096E+00	1.793E+01	1.444E+01	1.217E+00
4.200E+03	1.280E+01	1.003E+02	4.722E+01	4.787E+00	2.113E+00	1.900E+01	1.523E+01	1.215E+00
4.300E+03	1.239E+01	1.051E+02	4.769E+01	4.863E+00	2.132E+00	2.012E+01	1.608E+01	1.214E+00
4.400E+03	1.199E+01	1.103E+02	4.817E+01	4.942E+00	2.152E+00	2.129E+01	1.694E+01	1.213E+00
4.500E+03	1.160E+01	1.157E+02	4.866E+01	5.023E+00	2.175E+00	2.246E+01	1.781E+01	1.213E+00
4.600E+03	1.122E+01	1.214E+02	4.917E+01	5.100E+00	2.199E+00	2.367E+01	1.860E+01	1.213E+00
4.700E+03	1.085E+01	1.274E+02	4.970E+01	5.190E+00	2.226E+00	2.469E+01	1.954E+01	1.214E+00
4.800E+03	1.049E+01	1.337E+02	5.024E+01	5.287E+00	2.255E+00	2.610E+01	2.030E+01	1.215E+00
4.900E+03	1.014E+01	1.403E+02	5.079E+01	5.381E+00	2.286E+00	2.730E+01	2.110E+01	1.216E+00
5.000E+03	9.796E+00	1.472E+02	5.136E+01	5.478E+00	2.318E+00	2.866E+01	2.195E+01	1.215E+00
5.100E+03	9.435E+00	1.541E+02	5.232E+01	5.582E+00	2.349E+00	3.046E+01	2.233E+01	1.222E+00
5.200E+03	9.052E+00	1.611E+02	5.312E+01	5.694E+00	2.387E+00	3.232E+01	2.315E+01	1.227E+00
5.300E+03	8.652E+00	1.679E+02	5.412E+01	5.804E+00	2.427E+00	3.427E+01	2.406E+01	1.231E+00
5.400E+03	8.250E+00	1.745E+02	5.513E+01	5.915E+00	2.467E+00	3.622E+01	2.505E+01	1.235E+00
5.500E+03	7.846E+00	1.811E+02	5.614E+01	6.026E+00	2.507E+00	3.819E+01	2.606E+01	1.239E+00
5.600E+03	7.443E+00	1.877E+02	5.715E+01	6.136E+00	2.546E+00	4.016E+01	2.705E+01	1.243E+00
5.700E+03	7.039E+00	1.943E+02	5.816E+01	6.246E+00	2.586E+00	4.215E+01	2.804E+01	1.247E+00
5.800E+03	6.636E+00	2.009E+02	5.917E+01	6.356E+00	2.626E+00	4.414E+01	2.903E+01	1.251E+00
5.900E+03	6.232E+00	2.075E+02	6.018E+01	6.466E+00	2.666E+00	4.613E+01	3.002E+01	1.255E+00
6.000E+03	5.828E+00	2.141E+02	6.119E+01	6.576E+00	2.706E+00	4.812E+01	3.101E+01	1.259E+00
6.100E+03	5.424E+00	2.207E+02	6.220E+01	6.686E+00	2.746E+00	5.011E+01	3.199E+01	1.263E+00
6.200E+03	5.019E+00	2.273E+02	6.321E+01	6.796E+00	2.786E+00	5.210E+01	3.298E+01	1.267E+00
6.300E+03	4.615E+00	2.339E+02	6.422E+01	6.906E+00	2.826E+00	5.409E+01	3.397E+01	1.271E+00
6.400E+03	4.211E+00	2.405E+02	6.523E+01	7.016E+00	2.866E+00	5.608E+01	3.496E+01	1.275E+00
6.500E+03	3.807E+00	2.471E+02	6.624E+01	7.126E+00	2.906E+00	5.807E+01	3.595E+01	1.279E+00
6.600E+03	3.403E+00	2.537E+02	6.725E+01	7.236E+00	2.946E+00	6.006E+01	3.694E+01	1.283E+00
6.700E+03	3.000E+00	2.603E+02	6.826E+01	7.346E+00	2.986E+00	6.205E+01	3.793E+01	1.287E+00
6.800E+03	2.597E+00	2.669E+02	6.927E+01	7.456E+00	3.026E+00	6.404E+01	3.892E+01	1.291E+00
6.900E+03	2.294E+00	2.735E+02	7.028E+01	7.565E+00	3.066E+00	6.603E+01	3.991E+01	1.295E+00
7.000E+03	1.991E+00	2.801E+02	7.129E+01	7.674E+00	3.106E+00	6.802E+01	4.090E+01	1.300E+00
7.100E+03	1.688E+00	2.867E+02	7.230E+01	7.783E+00	3.146E+00	7.001E+01	4.189E+01	1.304E+00
7.200E+03	1.385E+00	2.933E+02	7.331E+01	7.892E+00	3.186E+00	7.200E+01	4.288E+01	1.308E+00
7.300E+03	1.082E+00	2.999E+02	7.432E+01	8.001E+00	3.226E+00	7.400E+01	4.387E+01	1.312E+00
7.400E+03	7.789E+00	3.065E+02	7.533E+01	8.111E+00	3.266E+00	7.600E+01	4.486E+01	1.316E+00
7.500E+03	4.746E+00	3.131E+02	7.634E+01	8.221E+00	3.306E+00	7.800E+01	4.585E+01	1.320E+00
7.600E+03	1.703E+00	3.197E+02	7.735E+01	8.331E+00	3.346E+00	8.000E+01	4.684E+01	1.324E+00
7.700E+03	1.000E+00	3.263E+02	7.836E+01	8.440E+00	3.386E+00	8.200E+01	4.783E+01	1.328E+00
7.800E+03	3.967E+00	3.329E+02	7.937E+01	8.549E+00	3.426E+00	8.400E+01	4.882E+01	1.332E+00
7.900E+03	6.933E+00	3.395E+02	8.038E+01	8.658E+00	3.466E+00	8.599E+01	4.981E+01	1.336E+00
8.000E+03	1.089E+00	3.461E+02	8.139E+01	8.767E+00	3.506E+00	8.798E+01	5.079E+01	1.340E+00
8.100E+03	1.485E+00	3.527E+02	8.240E+01	8.876E+00	3.546E+00	8.997E+01	5.178E+01	1.344E+00
8.200E+03	1.881E+00	3.593E+02	8.341E+01	8.985E+00	3.586E+00	9.196E+01	5.277E+01	1.348E+00
8.300E+03	2.277E+00	3.659E+02	8.442E+01	9.094E+00	3.626E+00	9.395E+01	5.376E+01	1.352E+00
8.400E+03	2.673E+00	3.725E+02	8.543E+01	9.203E+00	3.666E+00	9.594E+01	5.475E+01	1.356E+00
8.500E+03	3.069E+00	3.791E+02	8.644E+01	9.312E+00	3.706E+00	9.793E+01	5.574E+01	1.360E+00
8.600E+03	3.465E+00	3.857E+02	8.745E+01	9.421E+00	3.746E+00	9.992E+01	5.673E+01	1.364E+00
8.700E+03	3.861E+00	3.923E+02	8.846E+01	9.530E+00	3.786E+00	1.020E+02	5.772E+01	1.368E+00
8.800E+03	4.25							

TABLE I.- Continued

T	R/HU/R-H-U=0	H/HU	S/R	A/AU	Z	CP/R	CV/R	CARMA
2.100E+04	1.122E+00	1.390E+03	9.522E+01	1.610E+01	4.820E+00	5.879E+01	4.663E+01	1.216E+00
2.200E+04	1.031E+00	1.546E+03	9.135E+01	1.607E+01	5.007E+00	6.326E+01	4.750E+01	1.216E+00
2.300E+04	9.682E-01	1.705E+03	1.009E+02	1.727E+01	5.207E+00	6.430E+01	4.910E+01	1.219E+00
2.400E+04	8.739E-01	1.870E+03	1.038E+02	1.839E+01	5.416E+00	6.772E+01	4.961E+01	1.225E+00
2.500E+04	8.078E-01	2.036E+03	1.065E+02	1.920E+01	5.623E+00	6.755E+01	4.887E+01	1.234E+00
2.600E+04	7.693E-01	2.198E+03	1.091E+02	2.003E+01	5.829E+00	6.599E+01	4.715E+01	1.246E+00
2.700E+04	7.076E-01	2.359E+03	1.115E+02	2.086E+01	6.027E+00	6.337E+01	4.647E+01	1.260E+00
2.800E+04	6.528E-01	2.509E+03	1.138E+02	2.173E+01	6.213E+00	6.009E+01	4.193E+01	1.276E+00
2.900E+04	6.133E-01	2.652E+03	1.159E+02	2.257E+01	6.385E+00	5.652E+01	3.901E+01	1.294E+00
3.000E+04	5.785E-01	2.785E+03	1.176E+02	2.340E+01	6.543E+00	5.297E+01	3.619E+01	1.313E+00
3.100E+04	5.479E-01	2.911E+03	1.193E+02	2.421E+01	6.684E+00	4.970E+01	3.384E+01	1.331E+00
3.200E+04	5.207E-01	3.029E+03	1.208E+02	2.499E+01	6.815E+00	4.667E+01	3.149E+01	1.347E+00
3.300E+04	4.964E-01	3.141E+03	1.222E+02	2.373E+01	6.932E+00	4.475E+01	2.979E+01	1.361E+00
3.400E+04	4.749E-01	3.246E+03	1.235E+02	2.444E+01	7.039E+00	4.288E+01	2.857E+01	1.372E+00
3.500E+04	4.546E-01	3.351E+03	1.247E+02	2.705E+01	7.136E+00	4.179E+01	2.784E+01	1.378E+00
3.600E+04	4.365E-01	3.453E+03	1.259E+02	2.762E+01	7.226E+00	4.129E+01	2.757E+01	1.380E+00
3.700E+04	4.198E-01	3.556E+03	1.270E+02	2.815E+01	7.311E+00	4.133E+01	2.773E+01	1.378E+00
3.800E+04	4.042E-01	3.656E+03	1.281E+02	2.863E+01	7.392E+00	4.164E+01	2.825E+01	1.375E+00
3.900E+04	3.897E-01	3.760E+03	1.292E+02	2.910E+01	7.471E+00	4.278E+01	2.905E+01	1.367E+00
4.000E+04	3.761E-01	3.867E+03	1.303E+02	2.959E+01	7.548E+00	4.399E+01	3.004E+01	1.361E+00
4.100E+04	3.632E-01	3.970E+03	1.314E+02	3.001E+01	7.625E+00	4.526E+01	3.110E+01	1.359E+00
4.200E+04	3.511E-01	4.089E+03	1.325E+02	3.047E+01	7.701E+00	4.656E+01	3.212E+01	1.351E+00
4.300E+04	3.399E-01	4.208E+03	1.336E+02	3.095E+01	7.778E+00	4.771E+01	3.301E+01	1.346E+00
4.400E+04	3.286E-01	4.324E+03	1.347E+02	3.149E+01	7.856E+00	4.880E+01	3.368E+01	1.347E+00
4.500E+04	3.182E-01	4.446E+03	1.358E+02	3.197E+01	7.930E+00	4.916E+01	3.406E+01	1.348E+00
4.600E+04	3.084E-01	4.565E+03	1.369E+02	3.251E+01	8.004E+00	4.937E+01	3.419E+01	1.350E+00
4.700E+04	2.991E-01	4.687E+03	1.380E+02	3.306E+01	8.077E+00	4.923E+01	3.404E+01	1.356E+00
4.800E+04	2.904E-01	4.807E+03	1.390E+02	3.362E+01	8.147E+00	4.878E+01	3.388E+01	1.359E+00
4.900E+04	2.821E-01	4.927E+03	1.400E+02	3.418E+01	8.215E+00	4.810E+01	3.311E+01	1.365E+00
5.000E+04	2.743E-01	5.046E+03	1.410E+02	3.474E+01	8.279E+00	4.727E+01	3.247E+01	1.371E+00

P/PD = 3.00E+02

T	R/HU/R-H-U=0	H/HU	S/R	A/AU	Z	CP/R	CV/R	CARMA
5.000E+04	2.232E+02	-5.210E+00	2.084E+31	1.189E+00	1.090E+00	1.146E+01	9.088E+00	1.211E+00
6.000E+04	1.623E+02	-1.522E+00	2.175E+01	1.300E+00	1.249E+00	1.067E+01	1.413E+01	1.204E+00
7.000E+04	1.170E+02	-3.714E+00	2.663E+01	1.467E+00	1.085E+00	2.246E+01	1.640E+01	1.227E+00
8.000E+04	8.897E+01	9.003E+00	2.970E+01	1.915E+00	1.709E+00	1.929E+01	1.330E+01	1.250E+00
9.000E+04	7.308E+01	1.300E+01	3.165E+01	2.161E+00	1.850E+00	1.397E+01	1.014E+01	1.295E+00
1.000E+05	6.334E+01	1.408E+01	3.293E+01	2.320E+00	1.921E+00	1.064E+01	7.784E+00	1.329E+00
1.100E+05	5.656E+01	1.850E+01	3.187E+01	2.476E+00	1.955E+00	9.139E+00	6.676E+00	1.361E+00
1.200E+05	5.139E+01	2.066E+01	3.663E+01	2.802E+00	1.977E+00	8.462E+00	6.204E+00	1.346E+00
1.300E+05	4.721E+01	2.271E+01	3.930E+01	2.715E+00	1.982E+00	8.180E+00	6.028E+00	1.345E+00
1.400E+05	4.372E+01	2.472E+01	3.599E+01	2.818E+00	1.988E+00	8.778E+00	5.993E+00	1.347E+00
1.500E+05	4.073E+01	2.671E+01	3.646E+01	2.915E+00	1.991E+00	8.042E+00	5.999E+00	1.348E+00
1.600E+05	3.815E+01	2.871E+01	3.699E+01	3.007E+00	1.993E+00	8.087E+00	6.044E+00	1.336E+00
1.700E+05	3.588E+01	3.072E+01	3.760E+01	3.100E+00	1.995E+00	8.136E+00	6.103E+00	1.329E+00
1.800E+05	3.387E+01	3.276E+01	3.775E+01	3.161E+00	1.996E+00	8.192E+00	6.194E+00	1.325E+00
1.900E+05	3.207E+01	3.477E+01	3.840E+01	3.246E+00	1.997E+00	8.239E+00	6.231E+00	1.321E+00
2.000E+05	3.046E+01	3.683E+01	3.882E+01	3.345E+00	1.997E+00	8.328E+00	6.313E+00	1.317E+00
2.100E+05	2.900E+01	3.890E+01	3.923E+01	3.423E+00	1.998E+00	8.466E+00	6.391E+00	1.314E+00
2.200E+05	2.768E+01	4.100E+01	3.953E+01	3.499E+00	1.998E+00	8.494E+00	6.478E+00	1.310E+00
2.300E+05	2.647E+01	4.312E+01	4.016E+01	5.572E+00	1.995E+00	8.596E+00	6.574E+00	1.306E+00
2.400E+05	2.534E+01	4.526E+01	4.038E+01	3.643E+00	1.996E+00	8.712E+00	6.699E+00	1.301E+00
2.500E+05	2.434E+01	4.746E+01	4.075E+01	3.712E+00	2.000E+00	8.853E+00	6.820E+00	1.297E+00
2.600E+05	2.341E+01	4.966E+01	4.110E+01	3.773E+00	2.001E+00	8.921E+00	6.976E+00	1.292E+00
2.700E+05	2.251E+01	5.183E+01	4.145E+01	3.844E+00	2.002E+00	9.022E+00	7.159E+00	1.288E+00
2.800E+05	2.169E+01	5.402E+01	4.170E+01	3.907E+00	2.003E+00	9.161E+00	7.375E+00	1.281E+00
2.900E+05	2.099E+01	5.623E+01	4.213E+01	3.969E+00	2.005E+00	9.363E+00	7.628E+00	1.275E+00
3.000E+05	2.021E+01	5.910E+01	4.264E+01	4.030E+00	2.007E+00	1.0077E+01	7.920E+00	1.269E+00
3.100E+05	1.953E+01	6.165E+01	4.281E+01	4.089E+00	2.010E+00	1.0464E+01	8.256E+00	1.261E+00
3.200E+05	1.899E+01	6.420E+01	4.312E+01	4.140E+00	2.013E+00	1.0897E+01	8.618E+00	1.256E+00
3.300E+05	1.842E+01	6.702E+01	4.350E+01	4.204E+00	2.017E+00	1.1297E+01	9.047E+00	1.250E+00
3.400E+05	1.790E+01	6.997E+01	4.395E+01	4.265E+00	2.022E+00	1.1695E+01	9.546E+00	1.245E+00
3.500E+05	1.744E+01	7.302E+01	4.621E+01	4.325E+00	2.026E+00	1.2297E+01	1.007E+01	1.239E+00
3.600E+05	1.664E+01	7.623E+01	4.638E+01	4.389E+00	2.036E+00	1.326E+01	1.045E+01	1.234E+00
3.700E+05	1.608E+01	7.962E+01	4.646E+01	4.447E+00	2.046E+00	1.4017E+01	1.127E+01	1.230E+00
3.800E+05	1.553E+01	8.320E+01	4.535E+01	4.510E+00	2.056E+00	1.4837E+01	1.217E+01	1.226E+00
3.900E+05	1.510E+01	8.700E+01	4.579E+01	4.575E+00	2.066E+00	1.5709E+01	1.304E+01	1.223E+00
4.000E+05	1.464E+01	9.101E+01	4.616E+01	4.643E+00	2.076E+00	1.6644E+01	1.393E+01	1.220E+00
4.100E+05	1.418E+01	9.527E+01	4.650E+01	4.712E+00	2.093E+00	1.7638E+01	1.484E+01	1.218E+00
4.200E+05	1.377E+01	9.974E+01	4.703E+01	4.785E+00	2.109E+00	1.8673E+01	1.579E+01	1.214E+00
4.300E+05	1.330E+01	1.045E+02	4.768E+01	4.846E+00	2.127E+00	1.976E+01	1.579E+01	1.219E+00
4.400E+05	1.288E+01	1.096E+02	4.795E+01	4.937E+00	2.147E+00	2.088E+01	1.663E+01	1.214E+00
4.500E+05	1.2677E+01	1.149E+02	4.844E+01	5.010E+00	2.163E+00	2.2037E+01	1.760E+01	1.2167E+00
4.600E+05	1.246E+01	1.209E+02	4.894E+01	5.102E+00	2.193E+00	2.321E+01	1.833E+01	1.216E+00
4.700E+05	1.2167E+01	1.264E+02	4.946E+01	5.189E+00	2.219E+00	2.446E+01	1.917E+01	1.2167E+00
4.800E+05	1.188E+01	1.320E+02	4.999E+01	5.278E+00	2.247E+00	2.569E+01	2.004E+01	1.215E+00

TABLE I. - Continued

T	R/H/R-10^-3	H/H TO	S/R	A/AU	I	CP/R	CV/F	GAMMA
6.900E+03	1.081E+01	1.391E+02	5.053E+01	5.371E+00	2.278E+00	2.676E+01	2.078E+01	1.217E+00
5.000E+03	1.054E+01	1.458E+02	4.104E+01	5.467E+00	2.308E+00	2.790E+01	2.154E+01	1.216E+00
5.200E+03	9.843E+00	1.602E+02	4.667E+01	5.223E+00	2.377E+00	3.007E+01	2.292E+01	1.222E+00
5.400E+03	9.184E+00	1.759E+02	5.340E+01	5.077E+00	2.453E+00	3.195E+01	2.406E+01	1.227E+00
5.600E+03	8.574E+00	1.917E+02	5.460E+01	5.096E+00	2.533E+00	3.346E+01	2.490E+01	1.232E+00
5.800E+03	8.014E+00	2.084E+02	5.579E+01	6.321E+00	2.617E+00	3.491E+01	2.541E+01	1.236E+00
6.000E+03	7.501E+00	2.256E+02	5.697E+01	6.550E+00	2.703E+00	3.505E+01	2.559E+01	1.240E+00
6.200E+03	7.036E+00	2.429E+02	5.813E+01	6.780E+00	2.789E+00	3.511E+01	2.547E+01	1.251E+00
6.400E+03	6.619E+00	2.601E+02	5.925E+01	7.008E+00	2.873E+00	3.574E+01	2.50E+01	1.257E+00
6.600E+03	6.263E+00	2.770E+02	6.029E+01	7.231E+00	2.953E+00	3.605E+01	2.546E+01	1.262E+00
6.800E+03	5.908E+00	2.935E+02	6.170E+01	7.448E+00	3.028E+00	3.316E+01	2.391E+01	1.267E+00
7.000E+03	5.609E+00	3.096E+02	6.224E+01	7.595E+00	3.099E+00	3.222E+01	2.326E+01	1.271E+00
7.200E+03	5.341E+00	3.252E+02	6.313E+01	7.856E+00	3.164E+00	3.132E+01	2.270E+01	1.276E+00
7.400E+03	5.109E+00	3.404E+02	6.406E+01	8.042E+00	3.224E+00	3.056E+01	2.222E+01	1.279E+00
7.600E+03	4.902E+00	3.552E+02	6.476E+01	8.221E+00	3.279E+00	2.998E+01	2.190E+01	1.276E+00
7.800E+03	4.683E+00	3.678E+02	6.559E+01	8.392E+00	3.331E+00	2.940E+01	2.173E+01	1.275E+00
8.000E+03	4.501E+00	3.833E+02	6.630E+01	8.556E+00	3.379E+00	2.891E+01	2.169E+01	1.274E+00
8.200E+03	4.333E+00	3.987E+02	6.702E+01	8.716E+00	3.426E+00	2.836E+01	2.175E+01	1.273E+00
8.400E+03	4.177E+00	4.132E+02	6.773E+01	8.872E+00	3.467E+00	2.962E+01	2.167E+01	1.271E+00
8.600E+03	4.032E+00	4.277E+02	6.842E+01	9.028E+00	3.500E+00	2.952E+01	2.202E+01	1.271E+00
8.800E+03	3.897E+00	4.422E+02	6.910E+01	9.183E+00	3.548E+00	2.941E+01	2.214E+01	1.271E+00
9.000E+03	3.769E+00	4.568E+02	6.976E+01	9.346E+00	3.586E+00	2.962E+01	2.217E+01	1.271E+00
9.200E+03	3.650E+00	4.713E+02	7.041E+01	9.498E+00	3.632E+00	2.940E+01	2.209E+01	1.273E+00
9.400E+03	3.538E+00	4.858E+02	7.104E+01	9.659E+00	3.689E+00	2.927E+01	2.188E+01	1.260E+00
9.600E+03	3.432E+00	5.000E+02	7.165E+01	9.821E+00	3.633E+00	2.878E+01	2.151E+01	1.259E+00
9.800E+03	3.333E+00	5.140E+02	7.22E+01	9.986E+00	3.259E+00	2.814E+01	2.099E+01	1.251E+00
1.000E+04	3.246E+00	5.277E+02	7.279E+01	1.015E+01	9.759E+00	2.734E+01	2.034E+01	1.333E+00
1.100E+04	2.954E+00	5.808E+02	7.516E+01	1.099E+01	9.875E+00	2.237E+01	1.630E+01	1.364E+00
1.200E+04	2.567E+00	6.393E+02	7.695E+01	1.172E+01	9.949E+00	1.918E+01	1.378E+01	1.361E+00
1.300E+04	2.184E+00	6.857E+02	7.865E+01	1.226E+01	9.000E+00	1.896E+01	1.371E+01	1.334E+00
1.400E+04	2.147E+00	7.363E+02	7.944E+01	1.280E+01	9.068E+00	2.086E+01	1.538E+01	1.103E+00
1.500E+04	1.977E+00	7.894E+02	8.165E+01	1.306E+01	9.102E+00	1.920E+01	1.820E+01	1.276E+00
1.600E+04	1.824E+00	8.51E+02	8.315E+01	9.345E+01	9.169E+00	2.086E+01	1.849E+01	1.255E+00
1.700E+04	1.683E+00	9.309E+02	9.503E+01	1.300E+01	9.253E+00	3.399E+01	3.288E+01	1.239E+00
1.800E+04	1.551E+00	1.022E+03	9.716E+01	1.437E+01	9.357E+00	4.482E+01	6.611E+01	1.227E+00
1.900E+04	1.424E+00	1.127E+03	9.945E+01	1.491E+01	9.447E+00	5.227E+01	6.011E+01	1.220E+00
2.000E+04	1.315E+00	1.240E+03	9.194E+01	1.549E+01	9.547E+00	6.000E+01	4.394E+01	1.216E+00
2.100E+04	1.208E+00	1.337E+03	9.403E+01	1.613E+01	9.672E+00	5.177E+01	4.688E+01	1.215E+00
2.200E+04	1.112E+00	1.530E+03	9.741E+01	1.681E+01	9.797E+00	6.227E+01	5.936E+01	1.210E+00
2.300E+04	1.027E+00	1.687E+03	1.002E+02	1.756E+01	9.169E+00	6.939E+01	6.921E+01	1.223E+00
2.400E+04	9.431E+00	1.849E+03	1.053E+02	1.831E+01	9.372E+00	7.005E+01	6.881E+01	1.232E+00
2.500E+04	8.726E+00	2.016E+03	1.098E+02	1.910E+01	9.577E+00	6.566E+01	6.705E+01	1.243E+00
2.600E+04	8.046E+00	2.176E+03	1.093E+02	1.993E+01	9.700E+00	6.323E+01	6.477E+01	1.257E+00
2.700E+04	7.561E+00	2.336E+03	1.109E+02	2.070E+01	9.797E+00	5.727E+01	6.206E+01	1.273E+00
2.800E+04	7.051E+00	2.485E+03	1.132E+02	2.140E+01	9.856E+00	5.160E+01	5.923E+01	1.290E+00
2.900E+04	6.625E+00	2.628E+03	1.150E+02	2.244E+01	9.927E+00	5.632E+01	5.636E+01	1.308E+00
3.000E+04	6.248E+00	2.762E+03	1.164E+02	2.327E+01	9.991E+00	5.179E+01	5.393E+01	1.326E+00
3.100E+04	5.915E+00	2.889E+03	1.186E+02	2.400E+01	9.935E+00	5.036E+01	5.176E+01	1.343E+00
3.200E+04	5.619E+00	3.107E+03	1.221E+02	2.486E+01	9.766E+00	4.723E+01	4.902E+01	1.358E+00
3.300E+04	5.359E+00	3.120E+03	1.215E+02	2.563E+01	9.605E+00	4.491E+01	4.674E+01	1.369E+00
3.400E+04	5.117E+00	3.128E+03	1.220E+02	2.630E+01	9.493E+00	4.294E+01	4.479E+01	1.378E+00
3.500E+04	4.902E+00	3.136E+03	1.226E+02	2.699E+01	9.377E+00	4.097E+01	4.293E+01	1.389E+00
3.600E+04	4.705E+00	3.141E+03	1.232E+02	2.752E+01	9.253E+00	3.892E+01	4.108E+01	1.378E+00
3.700E+04	4.523E+00	3.145E+03	1.236E+02	2.808E+01	9.139E+00	3.691E+01	3.922E+01	1.374E+00
3.800E+04	4.355E+00	3.147E+03	1.237E+02	2.865E+01	9.031E+00	3.493E+01	3.738E+01	1.368E+00
3.900E+04	4.198E+00	3.147E+03	1.238E+02	2.920E+01	8.923E+00	3.295E+01	3.552E+01	1.362E+00
4.000E+04	4.043E+00	3.147E+03	1.239E+02	2.976E+01	8.813E+00	3.096E+01	3.372E+01	1.356E+00
4.100E+04	3.912E+00	3.147E+03	1.240E+02	3.032E+01	8.703E+00	2.896E+01	3.187E+01	1.350E+00
4.200E+04	3.781E+00	3.147E+03	1.240E+02	3.089E+01	8.592E+00	2.697E+01	2.997E+01	1.344E+00
4.300E+04	3.656E+00	3.147E+03	1.240E+02	3.146E+01	8.482E+00	2.498E+01	2.798E+01	1.338E+00
4.400E+04	3.530E+00	3.148E+03	1.240E+02	3.193E+01	8.372E+00	2.299E+01	2.598E+01	1.332E+00
4.500E+04	3.412E+00	3.148E+03	1.240E+02	3.240E+01	8.262E+00	2.099E+01	2.398E+01	1.326E+00
4.600E+04	3.300E+00	3.148E+03	1.240E+02	3.287E+01	8.152E+00	1.899E+01	2.198E+01	1.318E+00
4.700E+04	3.190E+00	3.148E+03	1.240E+02	3.334E+01	8.042E+00	1.699E+01	2.098E+01	1.310E+00
4.800E+04	3.080E+00	3.148E+03	1.240E+02	3.381E+01	7.932E+00	1.498E+01	1.998E+01	1.302E+00
4.900E+04	2.970E+00	3.148E+03	1.240E+02	3.428E+01	7.822E+00	1.297E+01	1.898E+01	1.294E+00
5.000E+04	2.860E+00	3.148E+03	1.240E+02	3.475E+01	7.712E+00	1.096E+01	1.798E+01	1.286E+00
5.100E+04	2.750E+00	3.148E+03	1.240E+02	3.522E+01	7.602E+00	8.956E+00	1.698E+01	1.278E+00
5.200E+04	2.640E+00	3.148E+03	1.240E+02	3.569E+01	7.492E+00	6.900E+00	1.598E+01	1.270E+00
5.300E+04	2.530E+00	3.148E+03	1.240E+02	3.616E+01	7.382E+00	4.844E+00	1.492E+01	1.262E+00
5.400E+04	2.420E+00	3.148E+03	1.240E+02	3.663E+01	7.272E+00	2.788E+00	1.396E+01	1.254E+00
5.500E+04	2.310E+00	3.148E+03	1.240E+02	3.710E+01	7.162E+00	1.732E+00	1.300E+01	1.246E+00
5.600E+04	2.200E+00	3.148E+03	1.240E+02	3.757E+01	7.052E+00	1.072E+00	1.204E+01	1.238E+00
5.700E+04	2.090E+00	3.148E+03	1.240E+02	3.804E+01	6.942E+00	4.114E+00	1.108E+01	1.230E+00
5.800E+04	1.980E+00	3.148E+03	1.240E+02	3.851E+01	6.832E+00	2.156E+00	1.012E+01	1.222E+00
5.900E+04	1.870E+00	3.148E+03	1.240E+02	3.898E+01	6.722E+00	1.198E+00	9.164E+00	1.214E+00
6.000E+04	1.760E+00	3.148E+03	1.240E+02	3.945E+01	6.612E+00	5.912E+00	8.208E+00	1.206E+00
6.100E+04	1.650E+00	3.148E+03	1.240E+02	3.992E+01	6.502E+00	4.904E+00	7.252E+00	1.198E+00
6.200E+04	1.540E+00	3.148E+03	1.240E+02	4.039E+01	6.392E+00	3.996E+00	6.292E+00	1.190E+00
6.300E+04	1.430E+00	3.148E+03	1.240E+02	4.086E+01	6.282E+00	3.088E+00	5.332E+00	1.182E+00
6.400E+04	1.320E+00	3.148E+03	1.240E+02	4.133E+01	6.172E+00	2.180E+00	4.372E+00	1.174E+00
6.500E+04	1.210E+00	3.148E+03	1.240E+02	4.180E+01	6.062E+00	1.278E+00	3.412E+00	1.166E+00
6.600E+04	1.100E+00	3.148E+03	1.240E+02	4.227E+01	5.952E+00	2.376E+00	2.452E+00	1.158E+00
6.700E+04	9.900E+00	3.148E+03	1.240E+02	4.274E+01	5.842E+00	3.474E+00	1.544E+00	1.150E+00
6.800E+0								

TABLE I.- Continued

T	R/H/RH=0	H/TO	S/R	A/AU	I	CP/R	CV/R	GAMMA
1.300E+03	5.039E+01	2.249E+01	3.517E+01	2.714E+00	1.981E+00	8.211E+00	6.050E+00	1.345E+00
1.400E+03	4.665E+01	2.471E+01	3.577E+01	2.817E+00	1.987E+00	8.097E+00	5.996E+00	1.342E+00
1.500E+03	4.366E+01	2.670E+01	3.633E+01	2.914E+00	1.991E+00	8.074E+00	6.007E+00	1.338E+00
1.600E+03	4.070E+01	2.870E+01	3.686E+01	3.007E+00	1.993E+00	8.096E+00	6.050E+00	1.334E+00
1.700E+03	3.827E+01	3.071E+01	3.735E+01	3.095E+00	1.995E+00	8.140E+00	6.107E+00	1.329E+00
1.800E+03	3.613E+01	3.273E+01	3.782E+01	3.181E+00	1.996E+00	8.196E+00	6.171E+00	1.325E+00
1.900E+03	3.421E+01	3.477E+01	3.827E+01	3.266E+00	1.996E+00	8.259E+00	6.240E+00	1.321E+00
2.000E+03	3.249E+01	3.682E+01	3.889E+01	3.346E+00	1.997E+00	8.329E+00	6.313E+00	1.317E+00
2.100E+03	3.096E+01	3.890E+01	3.911E+01	3.422E+00	1.998E+00	8.404E+00	6.391E+00	1.314E+00
2.200E+03	2.952E+01	4.099E+01	3.950E+01	3.498E+00	1.998E+00	8.492E+00	6.476E+00	1.310E+00
2.300E+03	2.843E+01	4.311E+01	3.988E+01	3.572E+00	1.998E+00	8.591E+00	6.557E+00	1.306E+00
2.400E+03	2.705E+01	4.526E+01	4.025E+01	3.663E+00	1.999E+00	8.707E+00	6.638E+00	1.301E+00
2.500E+03	2.596E+01	4.746E+01	4.062E+01	3.712E+00	2.000E+00	8.844E+00	6.812E+00	1.297E+00
2.600E+03	2.495E+01	4.965E+01	4.097E+01	3.779E+00	2.000E+00	9.008E+00	6.964E+00	1.292E+00
2.700E+03	2.402E+01	5.191E+01	4.132E+01	3.845E+00	2.001E+00	9.204E+00	7.143E+00	1.287E+00
2.800E+03	2.145E+01	5.423E+01	4.166E+01	3.908E+00	2.003E+00	9.436E+00	7.353E+00	1.251E+00
2.900E+03	2.273E+01	5.661E+01	4.200E+01	3.970E+00	2.004E+00	9.710E+00	7.598E+00	1.257E+00
3.000E+03	2.156E+01	5.906E+01	4.236E+01	4.030E+00	2.007E+00	1.003E+01	7.883E+00	1.269E+00
3.100E+03	2.084E+01	6.160E+01	4.267E+01	4.090E+00	2.009E+00	1.040E+01	8.209E+00	1.263E+00
3.200E+03	2.015E+01	6.424E+01	4.302E+01	4.149E+00	2.013E+00	1.083E+01	8.579E+00	1.257E+00
3.300E+03	1.950E+01	6.699E+01	4.336E+01	4.207E+00	2.017E+00	1.131E+01	8.996E+00	1.251E+00
3.400E+03	1.888E+01	6.967E+01	4.371E+01	4.266E+00	2.022E+00	1.185E+01	9.459E+00	1.246E+00
3.500E+03	1.829E+01	7.289E+01	4.407E+01	4.326E+00	2.028E+00	1.246E+01	9.970E+00	1.240E+00
3.600E+03	1.772E+01	7.607E+01	4.443E+01	4.386E+00	2.035E+00	1.312E+01	1.053E+01	1.235E+00
3.700E+03	1.717E+01	7.963E+01	4.480E+01	4.447E+00	2.043E+00	1.385E+01	1.113E+01	1.231E+00
3.800E+03	1.664E+01	8.297E+01	4.519E+01	4.510E+00	2.052E+00	1.466E+01	1.178E+01	1.227E+00
3.900E+03	1.613E+01	8.67F+01	4.558E+01	4.575E+00	2.063E+00	1.549E+01	1.246E+01	1.224E+00
4.000E+03	1.563E+01	9.067E+01	4.599E+01	4.662E+00	2.076E+00	1.640E+01	1.319E+01	1.221E+00
4.100E+03	1.515E+01	9.486E+01	4.641E+01	4.711E+00	2.090E+00	1.736E+01	1.394E+01	1.219E+00
4.200E+03	1.468E+01	9.930E+01	4.685E+01	4.783E+00	2.106E+00	1.837E+01	1.473E+01	1.217E+00
4.300E+03	1.422E+01	1.040E+02	4.729E+01	4.857E+00	2.123E+00	1.943E+01	1.553E+01	1.216E+00
4.400E+03	1.377E+01	1.089E+02	4.776E+01	4.936E+00	2.142E+00	2.052E+01	1.659E+01	1.215E+00
4.500E+03	1.337E+01	1.142E+02	4.823E+01	5.014E+00	2.164E+00	2.164E+01	1.718E+01	1.214E+00
4.600E+03	1.290E+01	1.197E+02	4.873E+01	5.096E+00	2.187E+00	2.279E+01	1.801E+01	1.215E+00
4.700E+03	1.248E+01	1.248E+02	4.923E+01	5.182E+00	2.212E+00	2.395E+01	1.883E+01	1.215E+00
4.800E+03	1.208E+01	1.315E+02	4.975E+01	5.270E+00	2.239E+00	2.511E+01	1.964E+01	1.216E+00
4.900E+03	1.168E+01	1.379E+02	5.029E+01	5.362E+00	2.268E+00	2.626E+01	2.042E+01	1.217E+00
5.000E+03	1.129E+01	1.445E+02	5.083E+01	5.456E+00	2.299E+00	2.739E+01	2.117E+01	1.219E+00
5.200E+03	1.055E+01	1.586E+02	5.195E+01	5.634E+00	2.366E+00	2.953E+01	2.254E+01	1.222E+00
5.400E+03	9.651E+00	1.737E+02	5.311E+01	5.862E+00	2.440E+00	3.143E+01	2.369E+01	1.227E+00
5.600E+03	9.201E+00	1.896E+02	5.628E+01	6.078E+00	2.519E+00	3.297E+01	2.456E+01	1.232E+00
5.800E+03	8.602E+00	2.061E+02	5.546E+01	6.301E+00	2.601E+00	3.408E+01	2.512E+01	1.238E+00
6.000E+03	8.053E+00	2.231E+02	5.663E+01	5.528E+00	2.686E+00	3.471E+01	2.536E+01	1.244E+00
6.200E+03	7.555E+00	2.403E+02	5.778E+01	6.757E+00	2.771E+00	3.487E+01	2.531E+01	1.250E+00
6.400E+03	7.106E+00	2.574E+02	5.888E+01	6.984E+00	2.854E+00	3.461E+01	2.500E+01	1.256E+00
6.600E+03	6.702E+00	2.743E+02	5.993E+01	7.207E+00	2.934E+00	3.402E+01	2.451E+01	1.262E+00
6.800E+03	6.341E+00	2.938E+02	6.096E+01	7.423E+00	3.010E+00	3.321E+01	2.392E+01	1.267E+00
7.000E+03	6.018E+00	3.069E+02	6.188E+01	7.632E+00	3.081E+00	3.232E+01	2.331E+01	1.271E+00
7.200E+03	5.724E+00	3.273E+02	6.278E+01	7.831E+00	3.146E+00	3.145E+01	2.274E+01	1.273E+00
7.400E+03	5.468E+00	3.378E+02	6.363E+01	8.021E+00	3.207E+00	3.070E+01	2.228E+01	1.275E+00
7.600E+03	5.232E+00	3.527E+02	6.444E+01	8.202E+00	3.264E+00	3.010E+01	2.194E+01	1.276E+00
7.800E+03	5.018E+00	3.674E+02	6.521E+01	8.376E+00	3.316E+00	2.969E+01	2.159E+01	1.275E+00
8.000E+03	4.821E+00	3.819E+02	6.595E+01	8.540E+00	2.995E+00	2.935E+01	2.125E+01	1.273E+00
8.200E+03	4.644E+00	3.963E+02	6.668E+01	8.700E+00	3.411E+00	2.938E+01	2.172E+01	1.273E+00
8.400E+03	4.473E+00	4.108E+02	6.739E+01	8.858E+00	3.454E+00	2.941E+01	2.183E+01	1.272E+00
8.600E+03	4.317E+00	4.252E+02	6.808E+01	9.014E+00	3.494E+00	2.949E+01	2.196E+01	1.271E+00
8.800E+03	4.171E+00	4.398E+02	6.875E+01	9.169E+00	3.536E+00	2.957E+01	2.207E+01	1.271E+00
9.000E+03	4.034E+00	4.543E+02	6.942E+01	9.326E+00	3.575E+00	2.958E+01	2.211E+01	1.272E+00
9.200E+03	3.906E+00	4.688E+02	7.007E+01	9.484E+00	3.612E+00	2.949E+01	2.205E+01	1.271E+00
9.400E+03	3.785E+00	4.833E+02	7.070E+01	9.644E+00	3.644E+00	2.924E+01	2.186E+01	1.270E+00
9.600E+03	3.672E+00	4.976E+02	7.131E+01	9.806E+00	3.667E+00	2.883E+01	2.153E+01	1.269E+00
9.800E+03	3.565E+00	5.116E+02	7.189E+01	9.970E+00	3.714E+00	2.824E+01	2.105E+01	1.269E+00
1.000E+04	3.465E+00	5.251E+02	7.246E+01	1.014E+01	3.745E+00	2.748E+01	2.063E+01	1.291E+00
1.100E+04	3.051E+00	5.870E+02	7.485E+01	1.097E+01	3.867E+00	2.261E+01	1.668E+01	1.331E+00
1.200E+04	2.742E+00	6.379E+02	7.655E+01	1.171E+01	3.946E+00	1.930E+01	1.366E+01	1.363E+00
1.300E+04	2.498E+00	6.846E+02	7.816E+01	1.226E+01	3.996E+00	1.893E+01	1.367E+01	1.362E+00
1.400E+04	2.293E+00	7.137E+02	7.961E+01	1.268E+01	4.043E+00	2.069E+01	1.523E+01	1.336E+00
1.500E+04	2.112E+00	7.672E+02	8.113E+01	1.306E+01	4.097E+00	2.190E+01	1.796E+01	1.305E+00
1.600E+04	1.949E+00	8.511E+02	8.200E+01	1.345E+01	4.162E+00	2.282E+01	2.154E+01	1.278E+00
1.700E+04	1.799E+00	9.266E+02	8.466E+01	1.388E+01	4.244E+00	3.343E+01	2.576E+01	1.256E+00
1.800E+04	1.659E+00	1.016E+03	8.672E+01	1.436E+01	4.345E+00	3.925E+01	3.036E+01	1.240E+00
1.900E+04	1.529E+00	1.119E+03	8.900E+01	1.498E+01	4.466E+00	4.537E+01	3.505E+01	1.228E+00
2.000E+04	1.408E+00	1.239E+03	9.147E+01	1.546E+01	4.607E+00	5.138E+01	3.946E+01	1.220E+00
2.100E+04	1.296E+00	1.371E+03	9.409E+01	1.613E+01	4.768E+00	5.685E+01	4.334E+01	1.215E+00
2.200E+04	1.191E+00	1.516E+03	9.683E+01	1.676E+01	4.945E+00	6.135E+01	4.630E+01	1.214E+00
2.300E+04	1.099E+00	1.670E+03	9.961E+01	1.737E+01	5.135E+00	6.455E+01	4.815E+01	1.216E+00
2.400E+04	1.014E+00	1.831E+03	1.024E+02	1.823E+01	5.333E+00	6.626E+01	4.882E+01	1.221E+00
2.500E+04	9.179E-01	1.993E+03	1.051E+02	1.901E+01	5.534E+00	6.846E+01	4.836E+01	1.227E+00
2.600E+04	8.705E-01	2.155E+03	1.076E+02	1.983E+01	5.734E+00	6.532E+01	4.693E+01	1.240E+00
2.700E+04	8.109E-01	2.312E+03	1.100E+02	2.065F+01	5.927E+00	6.310E+01	4.678E+01	1.254E+00
2.800E+04	7.584E-01	2.435E+03	1.123E+02	2.149E+01	6.111E+00	6.018E+01	4.629E+01	1.269E+00
2.900E+04	7.175E-01	2.606E+03	1.161E+02	2.232E+01	6.282E+00	5.688E+01	3.943E+01	1.284E+00
3.000E+04	6.716E-01	2.741E+03	1.162E+02	2.314E+01	6.442E+00	5.393E+01	3.670E+01	1.304E+00
3.100E+04	6.356E-01	2.867E+03	1.179E+02	2.396E+01	6.587E+00	5.036E+01	3.419E+01	1.322E+00
3.200E+04</td								

TABLE I. - Continued

T	RH/RHTD-0	H/RHTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	5.260E-01	3.313E+03	1.233E+07	2.684E+01	7.049E+00	4.215E+01	2.804E+01	1.373E+00
3.000E+04	5.068E-01	3.415E+03	1.245E+02	2.743E+01	7.147E+00	4.146E+01	2.761E+01	1.377E+00
3.700E+04	4.852E-01	3.516E+03	1.256E+02	2.798E+01	7.229E+00	4.130E+01	2.759E+01	1.377E+00
3.800E+04	4.671E-01	3.610E+03	1.267E+02	2.849E+01	7.312E+00	4.161E+01	2.794E+01	1.374E+00
3.900E+04	4.502E-01	3.721E+03	1.278E+02	2.897E+01	7.392E+00	4.232E+01	2.858E+01	1.369E+00
4.000E+04	4.343E-01	3.820E+03	1.289E+02	2.943E+01	7.470E+00	4.332E+01	2.944E+01	1.363E+00
4.100E+04	4.194E-01	3.930E+03	1.300E+02	2.988E+01	7.548E+00	4.451E+01	3.041E+01	1.358E+00
4.200E+04	4.053E-01	4.045E+03	1.311E+02	3.035E+01	7.625E+00	4.574E+01	3.140E+01	1.353E+00
4.300E+04	3.919E-01	4.158E+03	1.321E+02	3.082E+01	7.701E+00	4.690E+01	3.230E+01	1.350E+00
4.400E+04	3.792E-01	4.275E+03	1.332E+02	3.132E+01	7.778E+00	4.787E+01	3.303E+01	1.348E+00
4.500E+04	3.672E-01	4.394E+03	1.343E+02	3.183E+01	7.854E+00	4.887E+01	3.354E+01	1.348E+00
4.600E+04	3.558E-01	4.514E+03	1.354E+02	3.235E+01	7.929E+00	4.895E+01	3.380E+01	1.350E+00
4.700E+04	3.450E-01	4.634E+03	1.364E+02	3.289E+01	8.002E+00	4.900E+01	3.377E+01	1.353E+00
4.800E+04	3.349E-01	4.757E+03	1.375E+02	3.344E+01	8.074E+00	4.874E+01	3.356E+01	1.358E+00
4.900E+04	3.253E-01	4.874E+03	1.385E+02	3.400E+01	8.143E+00	4.823E+01	3.314E+01	1.363E+00
5.000E+04	3.162E-01	4.992E+03	1.394E+02	3.456E+01	8.209E+00	4.754E+01	3.259E+01	1.369E+00

P/PD = 3.40E+02

T	RHO/RHD-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	2.542E+02	-5.312E+00	2.066E+01	1.183E+00	1.085E+00	1.104E+01	8.766E+00	1.213E+00
6.000E+02	1.961E+02	-1.766E+00	2.325E+01	1.380E+00	1.235E+00	1.798E+01	1.364E+01	1.209E+00
7.000E+02	1.346E+02	3.341E+00	2.643E+01	1.634E+00	1.463E+00	2.227E+01	1.616E+01	1.226E+00
8.000E+02	1.022E+02	5.612E+00	2.929E+01	1.988E+00	1.687E+00	1.902E+01	1.411E+01	1.256E+00
9.000E+02	8.352E-01	1.282E+01	3.130E+01	2.129E+00	1.834E+00	1.446E+01	1.047E+01	1.292E+00
1.000E+03	7.713E-01	1.592E+01	3.263E+01	2.317E+00	1.912E+00	1.101E+01	8.013E+00	1.321E+00
1.100E+03	6.429E-01	1.841E+01	3.359E+01	2.470E+00	1.950E+00	9.326E+00	6.336E+00	1.338E+00
1.200E+03	5.834E-01	2.060E+01	3.437E+01	2.599E+00	1.969E+00	8.568E+00	6.280E+00	1.346E+00
1.300E+03	5.357E-01	2.267E+01	3.504E+01	2.712E+00	1.980E+00	8.241E+00	6.071E+00	1.344E+00
1.400E+03	4.958E-01	2.466E+01	3.565E+01	2.816E+00	1.986E+00	8.116E+00	6.009E+00	1.342E+00
1.500E+03	4.619E+00	2.665E+01	3.621E+01	2.913E+00	1.990E+00	8.086E+00	6.015E+00	1.338E+00
1.600E+03	4.325E+00	2.867E+01	3.673E+01	3.006E+00	1.993E+00	8.104E+00	6.055E+00	1.333E+00
1.700E+03	4.067E+00	3.071E+01	3.723E+01	3.095E+00	1.996E+00	8.145E+00	6.110E+00	1.329E+00
1.800E+03	3.839E+00	3.273E+01	3.770E+01	3.181E+00	1.995E+00	8.200E+00	6.174E+00	1.325E+00
1.900E+03	3.615E+00	3.477E+01	3.816E+01	3.264E+00	1.996E+00	8.262E+00	6.241E+00	1.321E+00
2.000E+03	3.433E+00	3.682E+01	3.857E+01	3.344E+00	1.997E+00	8.330E+00	6.313E+00	1.317E+00
2.100E+03	3.287E+01	3.893E+01	3.898E+01	3.422E+00	1.997E+00	8.406E+00	6.391E+00	1.314E+00
2.200E+03	3.137E+01	4.099E+01	3.918E+01	3.498E+00	1.998E+00	8.491E+00	6.475E+00	1.310E+00
2.300E+03	3.030E+01	4.311E+01	3.976E+01	3.572E+00	1.998E+00	8.588E+00	6.569E+00	1.306E+00
2.400E+03	2.874E+01	4.557E+01	4.013E+01	3.643E+00	1.999E+00	8.702E+00	6.678E+00	1.302E+00
2.500E+03	2.758E+01	4.743E+01	4.049E+01	3.712E+00	1.999E+00	8.836E+00	6.804E+00	1.297E+00
2.600E+03	2.651E+01	4.966E+01	4.085E+01	3.780E+00	2.000E+00	8.996E+00	6.953E+00	1.292E+00
2.700E+03	2.552E+01	5.190E+01	4.119E+01	3.845E+00	2.001E+00	9.187E+00	7.128E+00	1.287E+00
2.800E+03	2.472E+01	5.421E+01	4.153E+01	3.909E+00	2.003E+00	9.414E+00	7.333E+00	1.282E+00
2.900E+03	2.412E+01	5.658E+01	4.187E+01	3.971E+00	2.006E+00	9.681E+00	7.572E+00	1.276E+00
3.0E+03	2.291E+01	5.903E+01	4.221E+01	4.011E+00	2.006E+00	9.939E+00	7.849E+00	1.270E+00
3.1E+03	2.214E+01	6.156E+01	4.255E+01	4.091E+00	2.009E+00	1.035E+01	8.166E+00	1.264E+00
3.2E+03	2.151E+01	6.419E+01	4.294E+01	4.150E+00	2.012E+00	1.077E+01	8.526E+00	1.256E+00
3.3E+03	2.097E+01	6.692E+01	4.332E+01	4.208E+00	2.016E+00	1.124E+01	8.931E+00	1.252E+00
3.4E+03	2.007E+01	6.978E+01	4.358E+01	4.267E+00	2.021E+00	1.176E+01	9.382E+00	1.247E+00
3.5E+03	1.944E+01	7.278E+01	4.393E+01	4.326E+00	2.027E+00	1.235E+01	9.879E+00	1.241E+00
3.6E+03	1.884E+01	7.593E+01	4.429E+01	4.386E+00	2.034E+00	1.300E+01	1.042E+01	1.236E+00
3.700E+03	1.825E+01	7.925E+01	4.466E+01	4.448E+00	2.041E+00	1.371E+01	1.101E+01	1.232E+00
3.800E+03	1.769E+01	8.275E+01	4.504E+01	4.510E+00	2.051E+00	1.447E+01	1.164E+01	1.228E+00
3.900E+03	1.715E+01	8.645E+01	4.543E+01	4.575E+00	2.061E+00	1.530E+01	1.230E+01	1.225E+00
4.000E+03	1.663E+01	9.036E+01	4.583E+01	4.641E+00	2.073E+00	1.618E+01	1.301E+01	1.222E+00
4.100E+03	1.611E+01	9.449E+01	4.625E+01	4.710E+00	2.087E+00	1.712E+01	1.374E+01	1.220E+00
4.200E+03	1.562E+01	9.886E+01	4.668E+01	4.781E+00	2.102E+00	1.810E+01	1.451E+01	1.216E+00
4.300E+03	1.513E+01	1.035E+02	4.712E+01	4.856E+00	2.119E+00	1.913E+01	1.529E+01	1.211E+00
4.400E+03	1.466E+01	1.084E+02	4.757E+01	4.930E+00	2.138F+00	2.014E+01	1.609E+01	1.211E+00
4.500E+03	1.419E+01	1.135E+02	4.806E+01	5.009E+00	2.159E+00	2.129E+01	1.690E+01	1.215E+00
4.600E+03	1.374E+01	1.189E+02	4.859E+01	5.091E+00	2.181E+00	2.241E+01	1.771E+01	1.215E+00
4.700E+03	1.330E+01	1.246E+02	4.907E+01	5.176E+00	2.206E+00	2.354E+01	1.852E+01	1.216E+00
4.800E+03	1.287E+01	1.306E+02	4.954E+01	5.263E+00	2.232E+00	2.468E+01	1.931E+01	1.216E+00
4.900E+03	1.245E+01	1.368E+02	5.006E+01	5.356E+00	2.260E+00	2.581E+01	2.000E+01	1.214E+00
5.000E+03	1.204E+01	1.434E+02	5.063E+01	5.447E+00	2.290E+00	2.692E+01	2.083E+01	1.214E+00
5.200E+03	1.126E+01	1.572E+02	5.170E+01	5.642E+00	2.356E+00	2.904E+01	2.219E+01	1.223E+00
5.400E+03	1.052E+01	1.720E+02	5.286E+01	5.848E+00	2.424E+00	3.093E+01	2.335E+01	1.227E+00
5.600E+03	9.829E+00	1.877E+02	5.399E+01	6.062E+00	2.505E+00	2.250E+01	2.424E+01	1.232E+00
5.800E+03	9.192E+00	2.040E+02	5.516E+01	6.282E+00	2.586E+00	3.367E+01	2.484E+01	1.238E+00
6.000E+03	8.610E+00	2.208E+02	5.632E+01	6.508E+00	2.670E+00	3.438E+01	2.514E+01	1.244E+00
6.200E+03	8.077E+00	2.378E+02	5.745E+01	6.735E+00	2.754E+00	3.643E+01	2.515E+01	1.250E+00
6.400E+03	7.597E+00	2.549E+02	5.855E+01	6.961E+00	2.836E+00	3.844E+01	2.490E+01	1.256E+00
6.600E+03	7.165E+00	2.717E+02	5.960E+01	7.183E+00	2.918E+00	3.396E+01	2.467E+01	1.261E+00
6.800E+03	6.777E+00	2.882E+02	6.060E+01	7.400E+00	2.992E+00	3.324E+01	2.392E+01	1.266E+00
7.000E+03	6.430E+00	3.043E+02	6.155E+01	7.609E+00	3.063E+00	3.240E+01	2.334E+01	1.270E+00
7.200E+03	6.119E+00	3.200E+02	6.245E+01	7.810E+00	3.130E+00	3.157E+01	2.279E+01	1.273E+00
7.400E+03	5.838E+00	3.354E+02	6.310E+01	8.001E+00	3.192E+00	3.081E+01	2.233E+01	1.273E+00
7.600E+03	5.558E+00	3.503E+02	6.411E+01	8.183E+00	3.249E+00	3.021E+01	2.198E+01	1.276E+00
7.800E+03	5.154E+00	3.650E+02	6.494E+01	8.357E+00	3.302E+00	2.978E+01	2.177E+01	1.276E+00
8.000E+03	5.143E+00	3.796E+02	6.564E+01	8.524E+00	3.351E+00	2.931E+01	2.140E+01	1.275E+00
8.200E+03	4.949E+00	3.941E+02	6.636E+01	8.685E+00	3.398E+00	2.940E+01	2.174E+01	1.276E+00
8.400E+03	4.769E+00	4.085E+02	6.707E+01	8.844E+00	3.442E+00	2.940E+01	2.179E+01	1.273E+00
8.600E+03	4.620E+00	4.230E+02	6.776E+01	9.000E+00	3.468E+00	2.946E+01	2.190E+01	1.272E+00
8.800E+03	4.446E+00	4.375E+02	6.838E+01	9.156E+				

TABLE I.- Continued

T	R/HU/RHU-0	H/RTO	S/R	A/A0	Z	CP/K	CV/R	GAMMA
9.000E+03	4.300E+00	4.520E+02	6.910E+01	9.312E+00	3.563E+00	2.955E+01	2.206E+01	1.272E+00
9.200E+03	4.162E+00	4.665E+02	6.976E+01	9.470E+00	3.601E+00	2.947E+01	2.201E+01	1.274E+00
9.400E+03	4.033E+00	4.809E+02	7.037E+01	9.630E+00	3.637E+00	2.925E+01	2.185E+01	1.276E+00
9.600E+03	3.912E+00	4.952E+02	7.098E+01	9.791E+00	3.671E+00	2.887E+01	2.154E+01	1.280E+00
9.800E+03	3.798E+00	5.093E+02	7.157E+01	9.955E+00	3.704E+00	2.832E+01	2.109E+01	1.284E+00
1.000E+04	3.691E+00	5.231E+02	7.214E+01	1.012E+01	3.735E+00	2.761E+01	2.051E+01	1.290E+00
1.100E+04	3.247E+00	5.452E+02	7.455E+01	1.095E+01	3.866E+00	2.283E+01	1.665E+01	1.329E+00
1.200E+04	2.918E+00	6.366E+02	7.436E+01	1.170E+01	3.938E+00	1.943E+01	1.395E+01	1.362E+00
1.300E+04	2.657E+00	6.832E+02	7.707E+01	1.226E+01	3.922E+00	1.891E+01	1.364E+01	1.362E+00
1.400E+04	2.438E+00	7.313E+02	7.932E+01	1.268E+01	4.039E+00	2.054E+01	1.509E+01	1.338E+00
1.500E+04	2.247E+00	7.853E+02	6.083E+01	1.306E+01	4.092E+00	2.364E+01	1.773E+01	1.307E+00
1.600E+04	2.074E+00	8.483E+02	8.248E+01	1.345E+01	4.156E+00	2.785E+01	2.123E+01	1.279E+00
1.700E+04	1.915E+00	9.227E+02	8.411E+01	1.387E+01	4.236E+00	3.293E+01	2.536E+01	1.257E+00
1.800E+04	1.768E+00	1.010E+03	8.634E+01	1.434E+01	4.334E+00	3.863E+01	2.988E+01	1.240E+00
1.900E+04	1.630E+00	1.112E+03	8.859E+01	1.486E+01	4.451E+00	4.463E+01	3.451E+01	1.220E+00
2.000E+04	1.502E+00	1.229E+03	9.101E+01	1.536E+01	4.589E+00	5.056E+01	3.892E+01	1.220E+00
2.100E+04	1.384E+00	1.360E+03	9.359E+01	1.604E+01	4.745E+00	5.599E+01	4.277E+01	1.215E+00
2.200E+04	1.274E+00	1.503E+03	9.629E+01	1.670E+01	4.918E+00	6.050E+01	4.576E+01	1.213E+00
2.300E+04	1.175E+00	1.655E+03	9.903E+01	1.741E+01	5.103E+00	6.376E+01	4.768E+01	1.215E+00
2.400E+04	1.085E+00	1.814E+03	1.018E+02	1.816E+01	5.297E+00	6.559E+01	4.845E+01	1.220E+00
2.500E+04	1.004E+00	1.975E+03	1.046E+02	1.893E+01	5.495E+00	6.594E+01	4.811E+01	1.227E+00
2.600E+04	9.317E-01	2.135E+03	1.070E+02	1.973E+01	5.692E+00	6.497E+01	4.680E+01	1.230E+00
2.700E+04	8.681E-01	2.291E+03	1.094E+02	2.055E+01	5.883E+00	6.293E+01	4.677E+01	1.251E+00
2.800E+04	8.119E-01	2.442E+03	1.116E+02	2.130E+01	6.066E+00	6.017E+01	4.228E+01	1.266E+00
2.900E+04	7.624E-01	2.585E+03	1.136E+02	2.221E+01	6.237E+00	5.700E+01	3.959E+01	1.283E+00
3.000E+04	7.187E-01	2.720E+03	1.155E+02	2.303E+01	6.395E+00	5.376E+01	3.691E+01	1.301E+00
3.100E+04	6.800E-01	2.847E+03	1.172E+02	2.384E+01	6.541E+00	5.063E+01	3.442E+01	1.319E+00
3.200E+04	6.456E-01	2.968E+03	1.187E+02	2.462E+01	6.676E+00	4.783E+01	3.224E+01	1.336E+00
3.300E+04	6.149E-01	3.081E+03	1.202E+02	2.537E+01	6.795E+00	4.546E+01	3.044E+01	1.351E+00
3.400E+04	5.872E-01	3.195E+03	1.215E+02	2.608E+01	6.906E+00	4.363E+01	2.907E+01	1.363E+00
3.500E+04	5.622E-01	3.295E+03	1.227E+02	2.674E+01	7.008E+00	4.232E+01	2.814E+01	1.371E+00
3.600E+04	5.393E-01	3.398E+03	1.239E+02	2.734E+01	7.102E+00	4.155E+01	2.764E+01	1.376E+00
3.700E+04	5.183E-01	3.499E+03	1.250E+02	2.790E+01	7.191E+00	4.130E+01	2.755E+01	1.376E+00
3.800E+04	4.988E-01	3.600E+03	1.261E+02	2.842E+01	7.275E+00	4.152E+01	2.782E+01	1.344E+00
3.900E+04	4.807E-01	3.703E+03	1.272E+02	2.890E+01	7.355E+00	4.214E+01	2.840E+01	1.370E+00
4.000E+04	4.637E-01	3.807E+03	1.283E+02	2.937E+01	7.434E+00	4.307E+01	2.919E+01	1.364E+00
4.100E+04	4.477E-01	3.914E+03	1.293E+02	2.993E+01	7.512E+00	4.419E+01	3.012E+01	1.359E+00
4.200E+04	4.326E-01	4.024E+03	1.304E+02	3.029E+01	7.589E+00	4.539E+01	3.108E+01	1.354E+00
4.300E+04	4.183E-01	4.137E+03	1.315E+02	3.076E+01	7.665E+00	4.654E+01	3.198E+01	1.351E+00
4.400E+04	4.048E-01	4.253E+03	1.326E+02	3.125E+01	7.742E+00	4.753E+01	3.273E+01	1.349E+00
4.500E+04	3.919E-01	4.371E+03	1.334E+02	3.176E+01	7.818E+00	4.826E+01	3.328E+01	1.349E+00
4.600E+04	3.798E-01	4.490E+03	1.347E+02	3.228E+01	7.893E+00	4.873E+01	3.359E+01	1.350F+00
4.700E+04	3.662E-01	4.610E+03	1.357E+02	3.282E+01	7.967E+00	4.886E+01	3.365E+01	1.353E+00
4.800E+04	3.573E-01	4.730E+03	1.368E+02	3.336E+01	8.039E+00	4.869E+01	3.348E+01	1.357E+00
4.900E+04	3.470E-01	4.850E+03	1.378E+02	3.392E+01	8.109E+00	4.826E+01	3.312E+01	1.362E+00
5.000E+04	3.373E-01	4.968E+03	1.387E+02	3.447E+01	8.176E+00	4.763E+01	3.262E+01	1.368E+00

P/P0 = 3.60E+02

T	RH0/RH0-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	2.697E+02	-5.348E+00	2.055E+01	1.182E+00	1.082E+00	1.086E+01	6.625E+00	1.214E+00
6.000E+02	1.981E+02	-1.848E+00	2.312E+01	1.376E+00	1.229E+00	1.766E+01	1.343E+01	1.209E+00
7.000E+02	1.436E+02	3.173E+00	2.624E+01	1.627E+00	1.453E+00	2.208E+01	1.601E+01	1.225E+00
8.000E+02	1.088E+02	0.459E+00	2.911E+01	1.892E+00	1.677E+00	1.976E+01	1.419E+01	1.255E+00
9.000E+02	8.879E+01	1.270E+01	3.114E+01	2.123E+00	1.827E+00	1.468E+01	1.062E+01	1.290E+00
1.000E+03	7.656E+01	1.584E+01	3.249E+01	2.313E+00	1.907E+00	1.117E+01	8.122E+00	1.320E+00
1.100E+03	6.816E+01	1.836E+01	3.346E+01	2.467E+00	1.967E+00	9.418E+00	6.870E+00	1.337E+00
1.200E+03	6.103E+01	2.057E+01	3.425E+01	2.597E+00	1.986E+00	8.620E+00	6.316E+00	1.346E+00
1.300E+03	5.675E+01	2.265E+01	3.492E+01	2.711E+00	1.979E+00	8.272E+00	6.092E+00	1.346E+00
1.400E+03	5.252E+01	2.468E+01	3.553E+01	2.815E+00	1.986E+00	8.135E+00	6.021E+00	1.341E+00
1.500E+03	4.892E+01	2.668E+01	3.609E+01	2.913E+00	1.990E+00	8.098E+00	6.023E+00	1.338E+00
1.600E+03	4.580E+01	2.869E+01	3.662E+01	3.006E+00	1.992E+00	8.112E+00	6.060F+00	1.333E+00
1.700E+03	4.307E+01	3.070E+01	3.711E+01	3.095E+00	1.994E+00	8.151F+00	6.114E+00	1.329F+00
1.800E+03	4.065E+01	3.272E+01	3.750E+01	3.180E+00	1.995E+00	8.203E+00	6.177E+00	1.329F+00
1.900E+03	3.850E+01	3.476E+01	3.803E+01	3.283E+00	1.996E+00	8.244E+00	6.243E+00	1.321E+00
2.100E+03	3.481E+01	3.889E+01	3.887E+01	3.422E+00	1.997E+00	8.332E+00	6.314E+00	1.317E+00
2.200E+03	3.322E+01	4.098E+01	3.926E+01	3.498E+00	1.998E+00	8.406E+00	6.390E+00	1.314E+00
2.300E+03	3.177E+01	4.310E+01	3.965E+01	3.572E+00	1.998E+00	8.496E+00	6.474E+00	1.310E+00
2.400E+03	3.044E+01	4.525E+01	4.002E+01	3.643E+00	1.998E+00	8.585E+00	6.567E+00	1.306E+00
2.500E+03	2.921E+01	4.742E+01	4.038E+01	3.713E+00	1.998E+00	8.676E+00	6.673E+00	1.302E+00
2.600E+03	2.807E+01	4.963E+01	4.073E+01	3.780E+00	2.000E+00	8.785E+00	6.798E+00	1.297E+00
2.700E+03	2.702E+01	5.189E+01	4.108E+01	3.845E+00	2.001E+00	8.985E+00	6.943E+00	1.293E+00
2.800E+03	2.604E+01	5.470E+01	4.142E+01	3.909E+00	2.002E+00	9.172E+00	7.114E+00	1.288E+00
2.900E+03	2.512E+01	5.658E+01	4.176E+01	3.971E+00	2.004E+00	9.393E+00	7.314E+00	1.282E+00
3.000E+03	2.426E+01	5.900E+01	4.209E+01	4.032E+00	2.006E+00	9.597E+00	7.547E+00	1.277E+00
3.100E+03	2.345E+01	6.192E+01	4.243E+01	4.091E+00	2.008E+00	1.031E+01	8.127E+00	1.271E+00
3.200E+03	2.268E+01	6.613E+01	4.276E+01	4.151E+00	2.012E+00	1.071E+01	8.478E+00	1.265F+00
3.300E+03	2.197E+01	6.685E+01	4.310E+01	4.209E+00	2.016E+00	1.117E+01	8.872E+00	1.259F+00

TABLE I.- Continued

T	RH _U /RH _U -0	H/HTU	S/R	A/AO	Z	CP/R	CV/R	GAMMA
3.400E+03	2.125E+01	6.969E+01	4.345E+01	4.248E+00	2.020E+00	1.168E+01	9.311E+00	1.248E+00
3.500E+03	2.059E+01	7.267E+01	4.380E+01	4.327E+00	2.024E+00	1.225E+01	9.795E+00	1.242E+00
3.600E+03	1.995E+01	7.579E+01	4.413E+01	4.387E+00	2.033E+00	1.288E+01	1.032E+01	1.237E+00
3.700E+03	1.934E+01	7.908E+01	4.453E+01	4.448E+00	2.040E+00	1.357E+01	1.089E+01	1.233E+00
3.800E+03	1.875E+01	8.255E+01	4.490E+01	4.510E+00	2.049E+00	1.432E+01	1.151E+01	1.229E+00
3.900E+03	1.818E+01	8.621E+01	4.529E+01	4.575E+00	2.060E+00	1.512E+01	1.214E+01	1.224E+00
4.000E+03	1.762E+01	9.007E+01	4.569E+01	4.641E+00	2.071E+00	1.598E+01	1.284E+01	1.223E+00
4.100E+03	1.708E+01	9.415E+01	4.610E+01	4.709E+00	2.085E+00	1.689E+01	1.359E+01	1.220E+00
4.200E+03	1.656E+01	9.847E+01	4.652E+01	4.779E+00	2.099E+00	1.785E+01	1.430E+01	1.219E+00
4.300E+03	1.605E+01	1.030E+02	4.695E+01	4.852E+00	2.116E+00	1.889E+01	1.507E+01	1.217E+00
4.400E+03	1.555E+01	1.078E+02	4.740E+01	4.927E+00	2.134E+00	1.989E+01	1.589E+01	1.216E+00
4.500E+03	1.506E+01	1.129E+02	4.787E+01	5.006E+00	2.154E+00	2.096E+01	1.669E+01	1.216E+00
4.600E+03	1.458E+01	1.182E+02	4.834E+01	5.087E+00	2.176E+00	2.205E+01	1.744E+01	1.216E+00
4.700E+03	1.412E+01	1.238E+02	4.883E+01	5.170E+00	2.200E+00	2.316E+01	1.823E+01	1.216E+00
4.800E+03	1.367E+01	1.297E+02	4.934E+01	5.257E+00	2.226E+00	2.428E+01	1.901E+01	1.217E+00
4.900E+03	1.322E+01	1.359E+02	4.985E+01	5.346E+00	2.253E+00	2.539E+01	1.977E+01	1.219E+00
5.000E+03	1.279E+01	1.423E+02	5.038E+01	5.439E+00	2.283E+00	2.648E+01	2.050E+01	1.219E+00
5.200E+03	1.197E+01	1.559E+02	5.146E+01	5.632E+00	2.346E+00	2.850E+01	2.186E+01	1.223E+00
5.400E+03	1.119E+01	1.705E+02	5.258E+01	5.835E+00	2.417E+00	3.047E+01	2.302E+01	1.227E+00
5.600E+03	1.046E+01	1.860E+02	5.373E+01	6.046E+00	2.493E+00	3.206E+01	2.394E+01	1.231E+00
5.800E+03	9.786E+00	2.021E+02	5.488E+01	6.265E+00	2.572E+00	3.327E+01	2.458E+01	1.238E+00
6.000E+03	9.166E+00	2.187E+02	5.602E+01	6.489E+00	2.655E+00	3.405E+01	2.492E+01	1.244E+00
6.200E+03	8.602E+00	2.356E+02	5.717E+01	6.714E+00	2.733E+00	3.439E+01	2.498E+01	1.249E+00
6.400E+03	8.091E+00	2.525E+02	5.823E+01	6.939E+00	2.820E+00	3.431E+01	2.479E+01	1.255E+00
6.600E+03	7.630E+00	2.693E+02	5.928E+01	7.161E+00	2.899E+00	3.374E+01	2.442E+01	1.261E+00
6.800E+03	7.216E+00	2.855E+02	6.029E+01	7.373E+00	2.975E+00	3.324E+01	2.391E+01	1.266E+00
7.000E+03	6.845E+00	3.019E+02	6.124E+01	7.588E+00	3.047E+00	3.246E+01	2.336E+01	1.270E+00
7.200E+03	6.511E+00	3.177E+02	6.214E+01	7.798E+00	3.114E+00	3.166E+01	2.283E+01	1.273E+00
7.400E+03	6.211E+00	3.330E+02	6.299E+01	7.981E+00	3.176E+00	3.092E+01	2.237E+01	1.275E+00
7.600E+03	5.940E+00	3.484E+02	6.380E+01	8.165E+00	3.234E+00	3.031E+01	2.202E+01	1.276E+00
7.800E+03	5.693E+00	3.628E+02	6.458E+01	8.340E+00	3.288E+00	2.986E+01	2.179E+01	1.276E+00
8.000E+03	5.467E+00	3.774E+02	6.533E+01	8.508E+00	3.338E+00	2.957E+01	2.168E+01	1.275E+00
8.200E+03	5.245E+00	3.919E+02	6.606E+01	8.671E+00	3.385E+00	2.943E+01	2.168E+01	1.274E+00
8.400E+03	5.068E+00	4.063E+02	6.677E+01	8.830E+00	3.430E+00	2.941E+01	2.175E+01	1.273E+00
8.600E+03	4.898E+00	4.208E+02	6.746E+01	8.978E+00	3.472E+00	2.945E+01	2.185E+01	1.272E+00
8.800E+03	4.723E+00	4.353E+02	6.813E+01	9.133E+00	3.513E+00	2.950E+01	2.195E+01	1.272E+00
9.000E+03	4.567E+00	4.498E+02	6.879E+01	9.299E+00	3.552E+00	2.952E+01	2.200E+01	1.273E+00
9.200E+03	4.420E+00	4.643E+02	6.944E+01	9.457E+00	3.590E+00	2.945E+01	2.197E+01	1.274E+00
9.400E+03	4.283E+00	4.787E+02	7.007E+01	9.616E+00	3.626E+00	2.926E+01	2.183E+01	1.276E+00
9.600E+03	4.154E+00	4.930E+02	7.068E+01	9.777E+00	3.661E+00	2.891E+01	2.155E+01	1.279E+00
9.800E+03	4.032E+00	5.071E+02	7.127E+01	9.940E+00	3.695E+00	2.859E+01	2.113E+01	1.284E+00
1.000E+04	3.918E+00	5.209E+02	7.184E+01	1.010E+01	3.726E+00	2.772E+01	2.058E+01	1.289E+00
1.100E+04	3.445E+00	5.835E+02	7.426E+01	1.094E+01	3.853E+00	2.305E+01	1.681E+01	1.328E+00
1.200E+04	3.093E+00	6.353E+02	7.609E+01	1.169E+01	3.933E+00	1.955E+01	1.404E+01	1.361E+00
1.300E+04	2.816E+00	6.820E+02	7.761E+01	1.226E+01	3.988E+00	1.889E+01	1.302E+01	1.363E+00
1.400E+04	2.584E+00	7.299E+02	7.905E+01	1.274E+01	4.035E+00	2.040E+01	1.497E+01	1.339E+00
1.500E+04	2.382E+00	7.834E+02	8.055E+01	1.346E+01	4.087E+00	2.339E+01	1.753E+01	1.309E+00
1.600E+04	2.199E+00	8.457E+02	8.218E+01	1.415E+01	4.150E+00	2.749E+01	2.094E+01	1.281E+00
1.700E+04	2.031E+00	9.191E+02	8.398E+01	1.486E+01	4.228E+00	3.246E+01	2.500E+01	1.258E+00
1.800E+04	1.876E+00	1.005E+03	8.598E+01	1.433E+01	4.323E+00	3.806E+01	2.945E+01	1.241E+00
1.900E+04	1.731E+00	1.065E+03	8.819E+01	1.484E+01	4.438E+00	4.396E+01	3.402E+01	1.228E+00
2.000E+04	1.597E+00	1.221E+03	9.058E+01	1.540E+01	4.572E+00	4.982E+01	3.839E+01	1.220E+00
2.100E+04	1.472E+00	1.350E+03	9.312E+01	1.600E+01	4.724E+00	5.520E+01	4.224E+01	1.214E+00
2.200E+04	1.356E+00	1.491E+03	9.578E+01	1.666E+01	4.893E+00	5.971E+01	4.526E+01	1.213E+00
2.300E+04	1.251E+00	1.641E+03	9.849E+01	1.735E+01	5.074E+00	6.303E+01	4.724E+01	1.214E+00
2.400E+04	1.156E+00	1.798E+03	1.012E+02	1.809E+01	5.264E+00	6.495E+01	4.810E+01	1.218E+00
2.500E+04	1.070E+00	1.957E+03	1.038E+02	1.885E+01	5.459E+00	6.544E+01	4.786E+01	1.225E+00
2.600E+04	9.913E+00	2.116E+03	1.064E+02	1.965E+01	5.653E+00	6.462E+01	4.667E+01	1.235E+00
2.700E+04	9.256E+00	2.272E+03	1.089E+02	2.046E+01	5.842E+00	6.275E+01	4.475E+01	1.248E+00
2.800E+04	8.658E+00	2.422E+03	1.110E+02	2.128E+01	6.023E+00	6.013F+01	4.235E+01	1.263E+00
2.900E+04	8.129E+00	2.575E+03	1.130E+02	2.210E+01	6.193E+00	5.708E+01	3.973E+01	1.260E+00
3.000E+04	7.662E+00	2.701E+03	1.149E+02	2.292E+01	6.352E+00	5.391E+01	3.710E+01	1.297E+00
3.100E+04	7.248E+00	2.828E+03	1.166E+02	2.373E+01	5.498E+00	5.086E+01	3.463E+01	1.315E+00
3.200E+04	6.880E+00	2.969E+03	1.181E+02	2.451E+01	6.032E+00	4.809E+01	3.245E+01	1.332E+00
3.300E+04	6.550E+00	3.063E+03	1.196E+02	2.526E+01	6.754E+00	4.573E+01	3.063E+01	1.347E+00
3.400E+04	6.254E+00	3.173E+03	1.209E+02	2.598E+01	6.866E+00	4.385E+01	2.923E+01	1.360E+00
3.500E+04	5.986E+00	3.278E+03	1.221E+02	2.664E+01	6.969E+00	4.249E+01	3.079E+01	1.355E+00
3.600E+04	5.741E+00	3.381E+03	1.233E+02	2.725E+01	7.064E+00	4.165E+01	2.769E+01	1.374E+00
3.700E+04	5.516E+00	3.482E+03	1.244E+02	2.782E+01	7.154E+00	4.132E+01	2.753E+01	1.376E+00
3.800E+04	5.308E+00	3.583E+03	1.255E+02	2.834E+01	7.239E+00	4.145E+01	2.773E+01	1.377E+00
3.900E+04	5.114E+00	3.686E+03	1.256E+02	2.884E+01	7.320E+00	4.199E+01	2.824E+01	1.370E+00
4.000E+04	4.933E+00	3.790E+03	1.277E+02	2.931E+01	7.399E+00	4.286E+01	2.897E+01	1.365E+00
4.100E+04	4.762E+00	3.896E+03	1.287E+02	2.977E+01	7.477E+00	4.390E+01	2.985E+01	1.360E+00
4.200E+04	4.602E+00	4.005E+03	1.298E+02	3.023E+01	7.554E+00	4.507E+01	3.079E+01	1.355E+00
4.300E+04	4.449E+00	4.117E+03	1.309E+02	3.070E+01	7.631E+00	4.620E+01	3.168E+01	1.341E+00
4.400E+04	4.05E+00	4.232E+03	1.319E+02	3.119E+01	7.708E+00	4.721E+01	3.245E+01	1.349E+00
4.500E+04	4.168E+00	4.349E+03	1.330E+02	3.165E+01	7.784E+00	4.800E+01	3.303E+01	1.349E+00
4.600E+04	4.038E+00	4.468E+03	1.341E+02	3.221E+01	7.859E+00	4.851E+01	3.339E+01	1.350E+00
4.700E+04	3.915E+00	4.587E+03	1.351E+02	3.274E+01	7.934E+00	4.871E+01	3.351E+01	1.353E+00
4.800E+04	3.799E+00	4.707E+03	1.361E+02	3.329E+01	8.006E+00	4.882E+01	3.340E+01	1.356E+00
4.900E+04	3.689E+00	4.826E+03	1.371E+02	3.384E+01	8.076E+00	4.886E+01	3.309E+01	1.361E+00
5.000E+04	3.585E+00	4.944E+03	1.381E+02	3.439E+01	8.144E+00	4.770E+01	3.264E+01	1.367E+00

TABLE I.- Continued

 $\rho/\rho_0 = 3.80 \times 10^2$

T	RHO/RHO-0	H/RTQ	S/R	A/AN	Z	CP/R	CVR	GAMMA
5.000E+02	2.853E+02	-5.381E+00	2.046E+01	1.181E+00	1.080E+00	1.070E+01	8.495E+00	1.214E+00
5.000E+02	2.101E+02	-1.936E+00	2.299E+01	1.373E+00	1.223E+00	1.737E+01	1.322E+01	1.209E+00
7.000E+02	1.526E+02	3.216E+00	2.608E+01	1.622E+00	1.443E+00	2.189E+01	1.591E+01	1.225E+00
4.000E+02	1.156E+02	8.294E+00	2.896E+01	1.885E+00	1.667E+00	1.987E+01	1.426E+01	1.254E+00
9.000E+02	9.499E+01	1.258E+01	3.099E+01	2.118E+00	1.820E+00	1.488E+01	1.076E+01	1.208E+00
1.000E+03	9.100E+01	1.577E+01	3.236E+01	2.309E+00	1.903E+00	1.132E+01	4.227E+00	1.318E+00
1.101E+03	7.205E+01	1.831E+01	3.335E+01	2.665E+00	1.944E+00	9.507E+00	6.933E+00	1.336E+00
1.200E+03	6.532E+01	2.054E+01	3.413E+01	2.595E+00	1.966E+00	8.671E+00	6.352E+00	1.343E+00
1.300E+03	5.904E+01	2.263E+01	3.481E+01	2.710E+00	1.978E+00	8.302E+00	6.113E+00	1.344E+00
1.400E+03	5.546E+01	2.467E+01	3.542E+01	2.815E+00	1.985E+00	8.153E+00	6.034E+00	1.361E+00
1.500E+03	5.165E+01	2.666E+01	3.599E+01	2.912E+00	1.989E+00	8.110E+00	6.031E+00	1.357E+00
1.600E+03	6.848E+01	2.868E+01	3.551E+01	3.005E+00	1.982E+00	8.111E+00	6.065E+00	1.333E+00
1.730E+03	6.547E+01	3.069E+01	3.700E+01	3.094E+00	1.994E+00	8.156E+00	6.117E+00	1.329E+00
1.800E+03	6.292E+01	3.272E+01	3.747E+01	3.180E+00	1.995E+00	8.207E+00	6.178E+00	1.325E+00
1.900E+03	6.064E+01	3.476E+01	3.792E+01	3.263E+00	1.996E+00	8.267E+00	6.244E+00	1.321E+00
2.000E+03	5.840E+01	3.681E+01	3.835E+01	3.346E+00	1.997E+00	8.333E+00	6.315E+00	1.317E+00
2.100E+03	3.675E+01	3.839E+01	3.876E+01	3.422E+00	1.997E+00	8.401E+00	6.390E+00	1.314E+00
2.200E+03	3.507E+01	4.049E+01	3.916E+01	3.498E+00	1.998E+00	8.449E+00	6.472E+00	1.310E+00
2.300E+03	3.33E+01	4.313E+01	3.956E+01	3.572E+00	1.998E+00	8.585E+00	6.566E+00	1.306E+00
2.400E+03	3.213E+01	4.524E+01	3.991E+01	3.663E+00	1.999E+00	8.693E+00	6.669E+00	1.307E+00
2.500E+03	3.083E+01	4.742E+01	4.027E+01	3.713E+00	1.999E+00	8.822E+00	6.791E+00	1.297E+00
2.600E+03	2.964E+01	4.961E+01	4.167E+01	3.780E+00	2.000E+00	8.975E+00	6.934E+00	1.293E+00
2.700E+03	2.851E+01	5.183E+01	4.097E+01	3.846E+00	2.001E+00	9.150E+00	7.101E+00	1.288E+00
2.800E+03	2.747E+01	5.414E+01	4.131E+01	3.904E+00	2.002E+00	9.374E+00	7.297E+00	1.283E+00
2.900E+03	2.652E+01	5.654E+01	4.166E+01	3.972E+00	2.004E+00	9.628E+00	7.525E+00	1.277E+00
3.000E+03	2.561E+01	5.897E+01	4.194E+01	4.032E+00	2.006E+00	9.975E+00	7.789E+00	1.271E+00
3.100E+03	2.475E+01	6.146E+01	4.231E+01	4.092E+00	2.008E+00	1.027E+01	8.091E+00	1.265E+00
3.200E+03	2.394E+01	6.409E+01	4.265E+01	4.151E+00	2.011E+00	1.066E+01	8.433E+00	1.260E+00
3.300E+03	2.317E+01	6.679E+01	4.299E+01	4.210E+00	2.015E+00	1.111E+01	8.818E+00	1.254E+00
3.400E+03	2.246E+01	6.962E+01	4.333E+01	4.269E+00	2.020E+00	1.161E+01	9.246E+00	1.248E+00
3.500E+03	2.174E+01	7.251E+01	4.365E+01	4.329E+00	2.025E+00	1.216E+01	9.717E+00	1.243E+00
3.600E+03	2.117E+01	7.567E+01	4.406E+01	4.388E+00	2.032E+00	1.278E+01	1.023E+01	1.238E+00
3.700E+03	2.063E+01	7.893E+01	4.446E+01	4.448E+00	2.039E+00	1.345E+01	1.079E+01	1.234E+00
3.800E+03	1.990E+01	8.231E+01	4.477E+01	4.511E+00	2.048E+00	1.418E+01	1.139E+01	1.230E+00
3.900E+03	1.920E+01	8.599E+01	4.515E+01	4.574E+00	2.058E+00	1.486E+01	1.202E+01	1.227E+00
4.000E+03	1.852E+01	8.848E+01	4.555E+01	4.640E+00	2.069E+00	1.580E+01	1.269E+01	1.224E+00
4.100E+03	1.785E+01	9.134E+01	4.595E+01	4.708E+00	2.082E+00	1.664E+01	1.339E+01	1.221E+00
4.200E+03	1.720E+01	9.810E+01	4.637E+01	4.778E+00	2.097E+00	1.762E+01	1.412E+01	1.219E+00
4.300E+03	1.668E+01	1.026E+02	4.680E+01	4.850E+00	2.113E+00	1.860E+01	1.487E+01	1.216E+00
4.400E+03	1.624E+01	1.073E+02	4.724E+01	4.975E+00	2.131E+00	1.961E+01	1.563E+01	1.217E+00
4.500E+03	1.583E+01	1.121E+02	4.770E+01	5.002E+00	2.150E+00	2.066E+01	1.641E+01	1.217E+00
4.600E+03	1.543E+01	1.174E+02	4.817E+01	5.082E+00	2.172E+00	2.173E+01	1.719E+01	1.216E+00
4.700E+03	1.504E+01	1.221E+02	4.865E+01	5.163E+00	2.191E+00	2.281E+01	1.796E+01	1.217E+00
4.800E+03	1.466E+01	1.268E+02	4.915E+01	5.251E+00	2.220E+00	2.391E+01	1.873E+01	1.217E+00
4.900E+03	1.430E+01	1.304E+02	4.967E+01	5.340E+00	2.247E+00	2.498E+01	1.948E+01	1.216E+00
5.000E+03	1.395E+01	1.341E+02	5.017E+01	5.431E+00	2.275E+00	2.608E+01	2.021E+01	1.205E+00
5.100E+03	1.360E+01	1.379E+02	5.124E+01	5.522E+00	2.316E+00	2.715E+01	2.155E+01	1.223E+00
5.200E+03	1.325E+01	1.417E+02	5.235E+01	5.622E+00	2.407E+00	2.822E+01	2.272E+01	1.227E+00
5.300E+03	1.291E+01	1.454E+02	5.347E+01	5.723E+00	2.441E+00	2.936E+01	2.365E+01	1.232E+00
5.400E+03	1.258E+01	1.491E+02	5.461E+01	5.824E+00	2.559E+00	3.042E+01	2.432E+01	1.238E+00
5.500E+03	1.225E+01	1.527E+02	5.574E+01	5.925E+00	2.660E+00	3.147E+01	2.517E+01	1.244E+00
5.600E+03	1.192E+01	1.563E+02	5.687E+01	6.026E+00	2.761E+00	3.250E+01	2.601E+01	1.250E+00
5.700E+03	1.159E+01	1.600E+02	5.800E+01	6.127E+00	2.852E+00	3.353E+01	2.681E+01	1.256E+00
5.800E+03	1.126E+01	1.637E+02	5.913E+01	6.228E+00	2.943E+00	3.456E+01	2.759E+01	1.262E+00
5.900E+03	1.093E+01	1.674E+02	6.026E+01	6.329E+00	3.035E+00	3.559E+01	2.838E+01	1.268E+00
6.000E+03	1.060E+01	1.711E+02	6.139E+01	6.430E+00	3.126E+00	3.662E+01	2.921E+01	1.274E+00
6.100E+03	1.027E+01	1.748E+02	6.252E+01	6.531E+00	3.217E+00	3.765E+01	2.999E+01	1.279E+00
6.200E+03	9.944E+00	1.785E+02	6.365E+01	6.632E+00	3.308E+00	3.868E+01	3.077E+01	1.285E+00
6.300E+03	9.611E+00	1.822E+02	6.478E+01	6.733E+00	3.400E+00	3.971E+01	3.155E+01	1.291E+00
6.400E+03	9.278E+00	1.859E+02	6.591E+01	6.834E+00	3.491E+00	4.074E+01	3.229E+01	1.297E+00
6.500E+03	8.945E+00	1.896E+02	6.704E+01	6.935E+00	3.582E+00	4.177E+01	3.302E+01	1.303E+00
6.600E+03	8.612E+00	1.933E+02	6.817E+01	7.036E+00	3.673E+00	4.279E+01	3.375E+01	1.309E+00
6.700E+03	8.279E+00	1.969E+02	6.930E+01	7.137E+00	3.764E+00	4.382E+01	3.447E+01	1.315E+00
6.800E+03	7.946E+00	2.006E+02	7.043E+01	7.238E+00	3.855E+00	4.485E+01	3.519E+01	1.321E+00
6.900E+03	7.613E+00	2.043E+02	7.156E+01	7.339E+00	3.946E+00	4.587E+01	3.591E+01	1.327E+00
7.000E+03	7.280E+00	2.080E+02	7.269E+01	7.440E+00	4.037E+00	4.689E+01	3.663E+01	1.333E+00
7.100E+03	6.947E+00	2.117E+02	7.382E+01	7.541E+00	4.128E+00	4.792E+01	3.735E+01	1.339E+00
7.200E+03	6.614E+00	2.154E+02	7.495E+01	7.642E+00	4.219E+00	4.895E+01	3.807E+01	1.345E+00
7.300E+03	6.281E+00	2.191E+02	7.608E+01	7.743E+00	4.310E+00	4.998E+01	3.879E+01	1.351E+00
7.400E+03	5.948E+00	2.228E+02	7.721E+01	7.844E+00	4.401E+00	5.101E+01	3.951E+01	1.357E+00
7.500E+03	5.615E+00	2.265E+02	7.834E+01	7.945E+00	4.492E+00	5.194E+01	4.023E+01	1.363E+00
7.600E+03	5.282E+00	2.302E+02	7.947E+01	8.046E+00	4.583E+00	5.287E+01	4.095E+01	1.369E+00
7.700E+03	4.949E+00	2.339E+02	8.060E+01	8.147E+00	4.674E+00	5.380E+01	4.167E+01	1.375E+00
7.800E+03	4.616E+00	2.376E+02	8.173E+01	8.248E+00	4.765E+00	5.473E+01	4.239E+01	1.381E+00
7.900E+03	4.283E+00	2.413E+02	8.286E+01	8.349E+00	4.856E+00	5.566E+01	4.311E+01	1.387E+00
8.000E+03	3.950E+00	2.450E+02	8.400E+01	8.449E+00	4.947E+00	5.659E+01	4.383E+01	1.393E+00
8.100E+03	3.617E+00	2.487E+02	8.513E+01	8.549E+00	5.038E+00	5.752E+01	4.455E+01	1.399E+00
8.200E+03	3.284E+00	2.524E+02	8.626E+01	8.649E+00	5.129E+00	5.845E+01	4.527E+01	1.405E+00
8.300E+03	2.951E+00	2.561E+02	8.739E+01	8.749E+00	5.220E+00	5.938E+01	4.600E+01	1.411E+00
8.400E+03	2.618E+00	2.598E+02	8.852E+01	8.849E+00	5.311E+00	6.031E+01	4.672E+01	1.417E+00
8.500E+03	2.285E+00	2.635E+02	8.965E+01	8.949E+00	5.402E+00	6.124E+01	4.744E+01	1.423E+00
8.600E+03	1.952E+00	2.672E+02	9.078E+01	9.049E+00	5.493E+00	6.215E+01	4.816E+01	1.429E+00
8.700E+03	1.619E+00	2.709E+02	9.191E+01	9.149E+00	5.584E+00	6.306E+01	4.888E+01	1.435E+00
8.800E+03	1							

TABLE I.- Continued

T	RHO/RH J=0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
2.100E+04	1.5605E+00	1.340E+03	9.269E+01	1.597E+01	4.705E+00	5.446E+01	4.174E+01	1.214E+00
2.200E+04	1.438E+00	1.479E+03	9.531E+01	1.461E+01	4.870E+00	5.897E+01	4.479E+01	1.212E+00
2.300E+04	1.328E+00	1.628E+03	9.799E+01	1.730F+01	5.047E+00	6.233E+01	4.683E+01	1.213E+00
2.400E+04	1.227E+00	1.783E+03	1.007E+02	1.802E+01	5.234E+00	6.434E+01	4.776E+01	1.217E+00
2.500E+04	1.136E+00	1.941E+03	1.033E+02	1.878E+01	5.425E+00	6.495E+01	4.762E+01	1.224E+00
2.600E+04	1.055E+00	2.099E+03	1.058E+02	1.956E+01	5.616E+00	6.420E+01	4.653E+01	1.233E+00
2.700E+04	9.836E-01	2.254E+03	1.082E+02	2.037E+01	5.803E+00	6.255E+01	4.671E+01	1.246E+00
2.800E+04	9.200E-01	2.404E+03	1.104E+02	2.118E+01	5.982E+00	6.037E+01	4.620E+01	1.260E+00
2.900E+04	8.638E-01	2.547E+03	1.124E+02	2.200E+01	6.152E+00	5.714E+01	3.985E+01	1.276E+00
3.000E+04	8.141E-01	2.682E+03	1.145E+02	2.282E+01	6.310E+00	5.405E+01	3.726E+01	1.294E+00
3.100E+04	7.699E-01	2.810E+03	1.160E+02	2.362E+01	6.457E+00	5.105E+01	3.482E+01	1.311E+00
3.200E+04	7.307E-01	2.975E+03	1.175E+02	2.441E+01	6.591E+00	4.831E+01	3.244E+01	1.329E+00
3.300E+04	6.955E-01	3.046E+03	1.190E+02	2.516E+01	6.714E+00	4.595E+01	3.081E+01	1.344E+00
3.400E+04	6.639E-01	3.156E+03	1.203E+02	2.588E+01	6.827E+00	4.409E+01	2.937E+01	1.357E+00
3.500E+04	6.352E-01	3.262E+03	1.216E+02	2.659E+01	6.931E+00	4.264E+01	2.835E+01	1.367E+00
3.600E+04	6.091E-01	3.365E+03	1.227E+02	2.717E+01	7.028E+00	4.175E+01	2.773E+01	1.372E+00
3.700E+04	5.851E-01	3.466E+03	1.239E+02	2.774E+01	7.118E+00	4.134E+01	2.751E+01	1.375E+00
3.800E+04	5.630E-01	3.567E+03	1.249E+02	2.827E+01	7.204E+00	4.140E+01	2.765E+01	1.374E+00
3.900E+04	5.424E-01	3.669E+03	1.260E+02	2.877E+01	7.286E+00	4.186E+01	2.810E+01	1.370E+00
4.000E+04	5.231E-01	3.773E+03	1.271E+02	2.925E+01	7.366E+00	4.264E+01	2.878E+01	1.366E+00
4.100E+04	5.069E-01	3.878E+03	1.281E+02	2.971E+01	7.444E+00	4.365E+01	2.91E+01	1.361E+00
4.200E+04	4.879E-01	3.987E+03	1.292E+02	3.017E+01	7.521E+00	4.477E+01	3.052E+01	1.356E+00
4.300E+04	4.717E-01	4.098E+03	1.303E+02	3.065E+01	7.598E+00	4.589E+01	3.140E+01	1.352E+00
4.400E+04	4.564E-01	4.212E+03	1.311E+02	3.113E+01	7.675E+00	4.691E+01	3.210E+01	1.350E+00
4.500E+04	4.418E-01	4.328E+03	1.326E+02	3.163E+01	7.751E+00	4.773E+01	3.279E+01	1.349E+00
4.600E+04	4.280E-01	4.447E+03	1.334E+02	3.214E+01	7.827E+00	4.829E+01	3.319E+01	1.350E+00
4.700E+04	4.150E-01	4.566E+03	1.345E+02	3.267E+01	7.901E+00	4.855E+01	3.334E+01	1.352E+00
4.800E+04	4.025E-01	4.685E+03	1.355E+02	3.321E+01	7.974E+00	4.853E+01	3.330E+01	1.356E+00
4.900E+04	3.909E-01	4.804E+03	1.365E+02	3.376E+01	8.045E+00	4.826E+01	3.305E+01	1.360E+00
5.000E+04	3.799E-01	4.922E+03	1.375E+02	3.432E+01	8.113E+00	4.774E+01	3.264E+01	1.366E+00

OPD = 4.00E+02

T	RHO/RH J=0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	3.009E+02	-5.412E+00	2.039E+01	1.180E+00	1.078E+00	1.054E+01	8.376E+00	1.215E+00
6.000E+02	2.221E+02	-2.020E+00	2.297E+01	1.370E+00	1.217E+00	1.710E+01	1.303E+01	1.209E+00
7.000E+02	1.616E+02	2.869E+00	2.592E+01	1.616E+00	1.434E+00	2.171E+01	1.579E+01	1.225E+00
8.000E+02	1.224E+02	8.136E+00	2.877E+01	1.879E+00	1.657E+00	1.9975E+01	1.632E+01	1.253E+00
9.000E+02	9.942E+01	1.246E+01	3.086E+01	2.113E+00	1.813E+00	1.508E+01	1.089E+01	1.287E+00
1.000E+03	8.544E+01	1.570E+01	3.223E+01	2.305E+00	1.986E+00	1.467E+01	8.328E+00	1.311E+00
1.100E+03	7.595E+01	1.827E+01	3.322E+01	2.462E+00	1.942E+00	9.595E+00	6.995E+00	1.335E+00
1.200E+03	6.882E+01	2.092E+01	3.402E+01	2.599E+00	1.968E+00	8.722E+00	8.307E+00	1.343E+00
1.300E+03	6.313E+01	2.262E+01	3.470E+01	2.709E+00	1.977E+00	8.333E+00	6.133E-00	1.343E+00
1.400E+03	5.848E+01	2.465E+01	3.531E+01	2.814E+00	1.984E+00	8.172E+00	6.046E-00	1.341E+00
1.500E+03	5.439E+01	2.666E+01	3.588E+01	2.912E+00	1.988E+00	8.122E+00	6.039E+00	1.337E+00
1.600E+03	5.092E+01	2.867E+01	3.646E+01	3.005E+00	1.991E+00	8.127E+00	6.070E+00	1.333E+00
1.700E+03	4.787E+01	3.069E+01	3.690E+01	3.094E+00	1.993E+00	8.161E+00	6.120E+00	1.329E+00
1.800E+03	4.518E+01	3.271E+01	3.737E+01	3.180E+00	1.995E+00	8.211E+00	6.100E+00	1.325E+00
1.900E+03	4.278E+01	3.475E+01	3.782E+01	3.261E+00	1.996E+00	8.269E+00	6.246E+00	1.321E+00
2.000E+03	4.063E+01	3.681E+01	3.842E+01	3.346E+00	1.996E+00	8.335E+00	6.315E+00	1.317E+00
2.100E+03	3.868E+01	3.889E+01	3.866E+01	3.422E+00	1.997E+00	8.407E+00	6.390E+00	1.314E+00
2.200E+03	3.692E+01	4.098E+01	3.905E+01	3.498E+00	1.997E+00	8.488E+00	6.471E+00	1.310E+00
2.300E+03	3.530E+01	4.310E+01	3.944E+01	3.572E+00	1.998E+00	8.561E+00	6.562E+00	1.306E+00
2.400E+03	3.382E+01	4.524E+01	3.981E+01	3.663E+00	1.998E+00	8.689E+00	6.666E+00	1.302E+00
2.500E+03	3.246E+01	4.741E+01	4.017E+01	3.713E+00	1.999E+00	8.816E+00	6.785E+00	1.298E+00
2.600E+03	3.120E+01	4.962E+01	4.052E+01	3.780E+00	2.000E+00	8.966E+00	6.925E+00	1.293E+00
2.700E+03	3.001E+01	5.187E+01	4.086E+01	3.846E+00	2.001E+00	9.145E+00	7.089E+00	1.288E+00
2.800E+03	2.894E+01	5.417E+01	4.120E+01	3.910E+00	2.002E+00	9.357E+00	7.281E+00	1.281E+00
2.900E+03	2.792E+01	5.652E+01	4.154E+01	3.972E+00	2.004E+00	9.605E+00	7.504E+00	1.277E+00
3.000E+03	2.696E+01	5.895E+01	4.187E+01	4.033E+00	2.005E+00	9.895E+00	7.762E+00	1.272E+00
3.100E+03	2.606E+01	6.145E+01	4.221E+01	4.093E+00	2.008E+00	1.023E+01	8.057E+00	1.266E+00
3.200E+03	2.521E+01	6.404E+01	4.256E+01	4.152E+00	2.011E+00	1.061E+01	8.392E+00	1.260E+00
3.300E+03	2.440E+01	6.674E+01	4.288E+01	4.211E+00	2.015E+00	1.105E+01	8.708E+00	1.255E+00
3.400E+03	2.353E+01	6.954E+01	4.322E+01	4.269E+00	2.019E+00	1.154E+01	9.186E+00	1.249E+00
3.500E+03	2.269E+01	7.240E+01	4.357E+01	4.328E+00	2.024E+00	1.208E+01	9.646E+00	1.244E+00
3.600E+03	2.219E+01	7.556E+01	4.392E+01	4.388E+00	2.031E+00	1.268E+01	1.015E+01	1.239E+00
3.700E+03	2.151E+01	7.879E+01	4.428E+01	4.449E+00	2.038E+00	1.333E+01	1.059E+01	1.235E+00
3.800E+03	2.086E+01	8.220E+01	4.465E+01	4.511E+00	2.047E+00	1.404E+01	1.128E+01	1.231E+00
3.900E+03	2.023E+01	8.578E+01	4.503E+01	4.574E+00	2.056E+00	1.481E+01	1.190E+01	1.227E+00
4.000E+03	1.962E+01	8.956E+01	4.542E+01	4.640E+00	2.066E+00	1.563E+01	1.255E+01	1.224E+00
4.100E+03	1.902E+01	9.355E+01	4.582E+01	4.707E+00	2.080E+00	1.649E+01	1.324E+01	1.222E+00
4.200E+03	1.844E+01	9.776E+01	4.627E+01	4.776E+00	2.094E+00	1.741E+01	1.395E+01	1.220F+00
4.300E+03	1.788E+01	1.022E+02	4.665E+01	4.888E+00	2.110E+00	1.836E+01	1.468E+01	1.219E+00
4.400E+03	1.733E+01	1.069E+02	4.709E+01	4.922E+00	2.127E+00	1.935E+01	1.543E+01	1.218E+00
4.500E+03	1.679E+01	1.118E+02	4.754E+01	4.999E+00	2.146E+00	2.038E+01	1.619E+01	1.217E+00
4.600E+03	1.627E+01	1.170E+02	4.801E+01	5.078E+00	2.167E+00	2.142E+01	1.695E+01	1.217E+00
4.700E+03	1.576E+01	1.224E+02	4.848E+01	5.110E+00	2.190E+00	2.149E+01	1.772E+01	1.217E+00
4.800E+03	1.526E+01	1.281E+02	4.897E+01	5.246E+00	2.214E+00	2.156E+01	1.847E+01	1.216E+00

TABLE I. - Concluded

T	K+U/RHJ-3	H/KU	S/R	A/AU	Z	CP/R	CV/R	GAMMA
4.900E+03	1.478E+01	1.341E+02	6.947E+01	5.333E+00	2.241E+00	2.463E+01	1.921E+01	1.219E+00
5.000E+03	1.430E+01	1.403E+02	6.998E+01	5.426E+00	2.269E+00	2.570E+01	1.993E+01	1.220E+00
5.200E+03	1.339E+01	1.536E+02	5.104E+01	5.612E+00	2.330E+00	2.775E+01	2.127E+01	1.223E+00
5.400E+03	1.253E+01	1.670E+02	5.212E+01	5.811E+00	2.397E+00	2.963E+01	2.243E+01	1.227E+00
5.600E+03	1.173E+01	1.820E+02	5.324E+01	6.019E+00	2.470E+00	3.125E+01	2.338E+01	1.232E+00
5.800E+03	1.098E+01	1.986E+02	5.436E+01	6.234E+00	2.547E+00	3.293E+01	2.407E+01	1.237E+00
6.000E+03	1.029E+01	2.148E+02	5.548E+01	6.454E+00	2.627E+00	3.342E+01	2.450E+01	1.243E+00
6.200E+03	9.650E+00	2.314E+02	5.659E+01	6.677E+00	2.708E+00	3.390E+01	2.495E+01	1.249E+00
6.400E+03	9.087E+00	2.482E+02	5.766E+01	6.900E+00	2.789E+00	3.399E+01	2.457E+01	1.255E+00
6.600E+03	8.569E+00	2.646E+02	5.871E+01	7.121E+00	2.868E+00	3.372E+01	2.428E+01	1.260E+00
6.803E+03	8.102E+00	2.813E+02	5.970E+01	7.337E+00	2.944E+00	3.320E+01	2.387E+01	1.265E+00
7.000E+03	7.662E+00	2.974E+02	6.066E+01	7.547E+00	3.017E+00	3.253E+01	2.338E+01	1.269E+00
7.200E+03	7.304E+00	3.132E+02	6.156E+01	7.750E+00	3.085E+00	3.179E+01	2.289E+01	1.272E+00
7.400E+03	6.964E+00	3.297E+02	6.242E+01	7.946E+00	3.148E+00	3.109E+01	2.244E+01	1.274E+00
7.600E+03	6.656E+00	3.458E+02	6.324E+01	8.130E+00	3.207E+00	3.046E+01	2.208E+01	1.276E+00
7.800E+03	6.376E+00	3.586E+02	6.402E+01	8.307E+00	3.262E+00	3.001E+01	2.183E+01	1.276E+00
8.000E+03	6.120E+00	3.732E+02	6.477E+01	8.478E+00	3.313E+00	2.968E+01	2.169E+01	1.276E+00
8.200E+03	5.865E+00	3.870E+02	6.550E+01	8.663E+00	3.361E+00	2.950E+01	2.165E+01	1.275E+00
8.400E+03	5.668E+00	4.022E+02	6.621E+01	8.804E+00	3.407E+00	2.942E+01	2.169E+01	1.274E+00
8.600E+03	5.467E+00	4.167E+02	6.690E+01	8.962E+00	3.450E+00	2.943E+01	2.177E+01	1.273E+00
8.800E+03	5.279E+00	4.311E+02	6.757E+01	9.118E+00	3.492E+00	2.966E+01	2.165E+01	1.273E+00
9.000E+03	5.106E+00	4.456E+02	6.823E+01	9.275E+00	3.532E+00	2.947E+01	2.191E+01	1.273E+00
9.200E+03	4.939E+00	4.601E+02	6.888E+01	9.432E+00	3.570E+00	2.962E+01	2.189E+01	1.274E+00
9.400E+03	4.785E+00	4.751E+02	6.951E+01	9.591E+00	3.607E+00	2.926E+01	2.178E+01	1.276E+00
9.600E+03	4.639E+00	4.816E+02	7.012E+01	9.751E+00	3.642E+00	2.896E+01	2.155E+01	1.279E+00
9.800E+03	4.503E+00	5.030E+02	7.071E+01	9.913E+00	3.676E+00	2.851E+01	2.119E+01	1.283E+00
1.000E+04	4.375E+00	5.168E+02	7.128E+01	1.008E+01	3.708E+00	2.790E+01	2.069E+01	1.288E+00
1.100E+04	3.861E+00	5.802E+02	7.374E+01	1.091E+01	3.839E+00	2.343E+01	1.710E+01	1.325E+00
1.200E+04	3.445E+00	6.329E+02	7.560E+01	1.166E+01	3.925E+00	1.980E+01	1.421E+01	1.360E+00
1.300E+04	3.135E+00	6.798E+02	7.712E+01	1.225E+01	3.980E+00	1.889E+01	1.359E+01	1.364E+00
1.400E+04	2.977E+00	7.274E+02	7.855E+01	1.268E+01	4.026E+00	2.018E+01	1.478E+01	1.342E+00
1.500E+04	2.652E+00	7.801E+02	8.003E+01	1.306E+01	4.076E+00	2.297E+01	1.717E+01	1.312E+00
1.600E+04	2.450E+00	8.411E+02	8.162E+01	1.344E+01	4.139E+00	2.688E+01	2.044E+01	1.284E+00
1.700E+04	2.265E+00	9.127E+02	8.338E+01	1.385E+01	4.214E+00	3.165E+01	2.435E+01	1.260E+00
1.800E+04	2.094E+00	9.948E+02	8.533E+01	1.430E+01	4.305E+00	3.704E+01	2.868E+01	1.242E+00
1.900E+04	1.934E+00	1.095E+03	8.748E+01	1.480E+01	4.616E+00	4.277E+01	3.315E+01	1.229E+00
2.000E+04	1.788E+00	1.206E+03	8.980E+01	1.534E+01	4.842E+00	4.848E+01	3.745E+01	1.219E+00
2.100E+04	1.668E+00	1.332E+03	9.228E+01	1.593E+01	4.887E+00	5.378E+01	4.128E+01	1.214E+00
2.200E+04	1.521E+00	1.467E+03	9.487E+01	1.657E+01	4.868E+00	5.829E+01	4.435E+01	1.211E+00
2.300E+04	1.404E+00	1.616E+03	9.752E+01	1.725E+01	5.022E+00	6.168E+01	4.663E+01	1.212E+00
2.400E+04	1.299E+00	1.769E+03	1.002E+02	1.796E+01	5.205E+00	6.376E+01	4.744E+01	1.215E+00
2.500E+04	1.203E+00	1.926E+03	1.028E+02	1.871E+01	5.393E+00	6.448E+01	4.739E+01	1.222E+00
2.600E+04	1.118E+00	2.083E+03	1.053E+02	1.949E+01	5.581E+00	6.394E+01	4.664E+01	1.231E+00
2.700E+04	1.042E+00	2.237E+03	1.076E+02	2.028E+01	5.766E+00	6.235E+01	4.647E+01	1.243E+00
2.800E+04	9.764E-01	2.386E+03	1.098E+02	2.109E+01	5.944E+00	5.999E+01	4.244E+01	1.257E+00
2.900E+04	9.150E-01	2.529E+03	1.119E+02	2.191E+01	6.113E+00	5.717E+01	3.995E+01	1.273E+00
3.000E+04	8.623E-01	2.665E+03	1.137E+02	2.272E+01	6.271E+00	5.417E+01	3.741E+01	1.291E+00
3.100E+04	8.154E-01	2.793E+03	1.154E+02	2.352E+01	6.418E+00	5.122E+01	3.499E+01	1.308E+00
3.200E+04	7.717E-01	2.915E+03	1.170E+02	2.430E+01	6.553E+00	4.851E+01	3.282E+01	1.325E+00
3.300E+04	7.363E-01	3.030E+03	1.184E+02	2.506E+01	6.676E+00	4.615E+01	3.098E+01	1.341E+00
3.400E+04	7.026E-01	3.140E+03	1.198E+02	2.578E+01	6.790E+00	4.423E+01	2.951E+01	1.356E+00
3.500E+04	6.722E-01	3.246E+03	1.210E+02	2.645E+01	6.895E+00	4.279E+01	2.845E+01	1.366E+00
3.600E+04	6.444E-01	3.349E+03	1.222E+02	2.708E+01	6.993E+00	4.106E+01	2.776E+01	1.371E+00
3.700E+04	6.189E-01	3.451E+03	1.233E+02	2.766E+01	7.084E+00	4.138E+01	2.751E+01	1.374E+00
3.800E+04	5.951E-01	3.552E+03	1.244E+02	2.820E+01	7.170E+00	4.136E+01	2.759E+01	1.373E+00
3.900E+04	5.735E-01	3.656E+03	1.255E+02	2.871E+01	7.253E+00	4.175E+01	2.797E+01	1.371E+00
4.000E+04	5.530E-01	3.757E+03	1.264E+02	2.919E+01	7.333E+00	4.246E+01	2.860E+01	1.371E+00
4.100E+04	5.338E-01	3.862E+03	1.276E+02	2.965E+01	7.412E+00	4.341E+01	2.940E+01	1.361E+00
4.200E+04	5.157E-01	3.970E+03	1.287E+02	3.012E+01	7.489E+00	4.454E+01	3.027E+01	1.357E+00
4.300E+04	4.986E-01	4.080E+03	1.297E+02	3.059E+01	7.567E+00	4.560E+01	3.114E+01	1.353E+00
4.400E+04	4.824E-01	4.193E+03	1.309E+02	3.107E+01	7.643E+00	4.662E+01	3.192E+01	1.351E+00
4.500E+04	4.670E-01	4.309E+03	1.318E+02	3.157E+01	7.720E+00	4.756E+01	3.255E+01	1.350E+00
4.600E+04	4.524E-01	4.426E+03	1.329E+02	3.208E+01	7.795E+00	4.806E+01	3.299E+01	1.350E+00
4.700E+04	4.386E-01	4.545E+03	1.339E+02	3.261E+01	7.870E+00	4.839E+01	3.320E+01	1.352E+00
4.800E+04	4.255E-01	4.666E+03	1.349E+02	3.314E+01	7.943E+00	4.883E+01	3.319E+01	1.355E+00
4.900E+04	4.131E-01	4.783E+03	1.359E+02	3.369E+01	8.014E+00	4.921E+01	3.299E+01	1.360E+00
5.000E+04	4.014E-01	4.901E+03	1.369E+02	3.424E+01	8.083E+00	4.777E+01	3.263E+01	1.365E+00

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS PENDING

TABLE II. - MOLE FRACTIONS FOR AMMONIA

P/PO = 1.00E+01

T	F	NH3	NH2	NH	NH2	H	H2	H2O	H+
5.000E+02	0.	9.936E-03	3.140E-21	1.677E-14	0.	1.911E-20	7.425E-01	8.474E-19	8.659E-21
6.300E+02	0.	1.257E-03	2.424E-18	0.	1.162E-26	1.272E-16	7.491E-01	8.316E-19	4.414E-20
7.010E+02	0.	2.694E-04	2.699E-16	1.144E-24	4.352E-24	4.751E-14	7.496E-01	8.102E-19	1.324E-19
8.220E+02	0.	8.227E-05	9.094E-15	1.347E-21	3.678E-22	7.956E-12	7.499E-01	6.727E-19	2.688E-19
9.030E+02	0.	3.208E-05	1.344E-13	3.376E-19	1.129E-20	2.207E-10	7.500E-01	6.277E-19	4.141E-19
1.070E+03	0.	1.495E-05	1.229E-13	2.784E-17	1.763E-19	6.977E-16	7.490E-01	5.086E-19	4.367E-19
1.120E+03	0.	7.967E-06	7.155E-12	1.926E-15	1.664E-18	7.086E-08	7.500E-01	2.225E-19	6.221E-19
1.220E+03	0.	4.704E-06	3.132E-11	2.073E-14	1.038E-17	6.406E-07	7.500E-01	1.633E-19	4.873E-19
1.330E+03	0.	3.313E-06	1.794E-10	2.633E-13	5.238E-17	2.029E-06	7.500E-01	1.734E-19	7.233E-19
1.440E+03	0.	2.654E-06	3.144E-13	2.324E-12	2.093E-16	1.331E-05	7.500E-01	9.581E-20	7.817E-19
1.570E+03	0.	1.477E-06	8.029E-10	1.544E-11	6.862E-16	4.917E-05	7.500E-01	7.677E-19	7.717E-19
1.660E+03	0.	2.123E-07	1.017E-06	8.056E-11	1.945E-15	4.487E-04	7.499E-01	6.722E-19	7.862E-19
1.730E+03	0.	1.018E-03	8.630E-07	2.474E-07	4.889E-15	4.307E-16	7.490E-01	5.195E-20	7.969E-19
1.840E+03	0.	4.853E-03	6.874E-07	6.913E-09	1.268E-09	1.112E-16	9.786E-04	2.423E-20	8.794E-19
1.900E+03	0.	6.457E-03	4.233E-07	9.217E-08	4.046E-09	2.322E-16	9.166E-03	7.481E-01	6.840E-20
2.030E+03	0.	1.221E-17	4.760E-07	2.039E-08	1.147E-08	4.505E-16	4.438E-03	7.461E-01	5.012E-19
2.120E+03	0.	1.187E-16	2.981E-07	3.207E-09	2.946E-08	8.198E-14	8.477E-03	7.462E-01	4.117E-18
2.220E+03	0.	9.312E-17	3.435E-07	4.857E-08	6.917E-08	1.407E-13	1.576E-02	7.367E-01	2.866E-17
2.330E+03	0.	6.171E-15	2.744E-07	6.987E-08	1.501E-07	2.294E-13	2.406E-02	7.277E-01	1.682E-16
2.440E+03	0.	3.477E-16	2.513E-07	9.268E-08	3.040E-07	3.546E-13	4.273E-02	7.120E-01	8.400E-16
2.550E+03	0.	1.473E-12	2.159E-07	1.029E-07	5.774E-07	5.727E-13	6.626E-02	6.927E-01	7.758E-16
2.670E+03	0.	7.723E-16	1.674E-07	1.057E-07	7.171E-07	7.329E-13	9.866E-02	6.631E-01	7.467E-16
2.790E+03	0.	2.761E-12	1.505E-07	2.038E-07	1.747E-07	5.773E-13	1.419E-01	6.259E-01	5.132E-16
3.000E+03	0.	9.704E-16	1.217E-07	2.129E-07	2.803E-07	1.232E-12	1.962E-01	5.787E-01	7.611E-19
2.700E+03	0.	3.000E-11	9.445E-09	2.697E-07	4.257E-06	2.616E-01	5.21CE-01	4.575E-13	3.643E-11
3.110E+03	0.	7.035E-11	7.657E-06	2.044E-07	6.156E-06	1.676E-12	3.323E-01	6.477E-01	8.914E-11
3.130E+03	0.	2.544E-11	5.017E-08	2.626E-07	8.471E-07	1.767E-12	4.166E-01	7.858E-01	2.788E-12
3.270E+03	0.	6.147E-10	3.345E-08	2.640E-07	1.114E-05	9.947E-12	6.974E-01	7.448E-01	7.024E-10
3.430E+03	0.	1.446E-09	2.676E-08	2.647E-07	1.464E-05	1.721E-12	5.777E-01	2.474E-01	1.201E-11
2.645E+03	0.	3.274E-09	1.347E-08	2.615E-07	1.707E-05	1.595E-12	7.471E-01	7.839E-01	2.277E-11
2.950E+03	0.	6.712E-10	8.374E-08	2.677E-07	2.729E-05	1.417E-12	1.962E-01	5.787E-01	6.673E-09
3.630E+03	0.	1.740E-08	4.676E-08	2.645E-07	2.317E-05	1.222E-12	7.474E-01	7.307E-01	1.377E-08
2.740E+03	0.	2.641E-09	2.897E-08	2.757E-07	2.606E-05	1.306E-12	2.036E-01	9.835E-01	7.648E-08
2.800E+03	0.	4.717E-09	1.942E-08	2.647E-07	1.046E-07	2.817E-12	4.947E-01	7.972E-01	4.677E-08
3.660E+03	0.	4.336E-09	9.447E-10	2.597E-08	3.196E-05	7.478E-12	8.171E-01	7.741E-01	2.160E-08
4.000E+03	0.	1.642E-17	5.233E-10	2.703E-08	3.466E-05	6.313E-13	8.254E-01	2.697E-02	1.475E-07
4.100E+03	0.	7.647E-07	3.111E-10	2.693E-08	9.759E-05	3.434E-13	9.024E-01	2.277E-01	1.807E-06
4.220E+03	0.	7.954E-07	1.691E-10	6.776E-08	4.030E-05	4.535E-13	8.398E-01	1.404E-01	3.849E-07
4.330E+03	0.	6.331E-07	1.587E-10	3.912E-08	6.707E-05	3.161E-13	6.428E-01	1.004E-02	5.801E-07
4.450E+03	0.	9.849E-07	7.746E-10	3.225E-08	4.547E-05	7.299E-13	4.467E-01	7.974E-01	1.014E-05
4.550E+03	0.	1.571E-07	4.037E-11	2.677E-08	6.845E-05	2.875E-13	6.448E-01	7.949E-01	1.211E-09
4.640E+03	0.	2.146E-06	2.677E-11	2.202E-08	5.127E-05	2.427E-13	6.454E-01	7.974E-01	2.446E-06
4.700E+03	0.	1.381E-08	1.460E-11	1.655E-08	2.249E-05	6.254E-13	8.654E-01	2.697E-02	1.475E-07
4.880E+03	0.	1.931E-05	1.292E-11	1.555E-08	4.786E-05	6.234E-13	9.024E-01	2.277E-01	2.655E-07
5.030E+03	0.	7.743E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-09
5.200E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-09
5.270E+03	0.	1.334E-05	5.779E-11	1.774E-08	7.740E-05	4.204E-13	9.466E-01	1.777E-01	1.887E-08
5.330E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	6.282E-13	6.673E-01	7.212E-01	2.358E-08
5.430E+03	0.	6.747E-05	3.874E-11	2.242E-08	5.127E-05	2.473E-13	6.454E-01	7.774E-01	1.692E-08
5.530E+03	0.	1.014E-05	2.165E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	2.330E-08
5.630E+03	0.	1.749E-05	1.674E-11	1.655E-08	5.571E-05	1.786E-13	6.441E-01	7.474E-01	4.877E-08
5.730E+03	0.	2.147E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-08
5.830E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-08
5.930E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	2.473E-13	6.673E-01	7.212E-01	2.358E-08
6.030E+03	0.	6.747E-05	3.874E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	4.877E-08
6.130E+03	0.	1.014E-05	2.165E-11	1.655E-08	5.571E-05	1.786E-13	1.962E-01	5.787E-01	9.937E-08
6.230E+03	0.	2.147E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-08
6.330E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-08
6.430E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	2.473E-13	6.673E-01	7.212E-01	2.358E-08
6.530E+03	0.	6.747E-05	3.874E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	4.877E-08
6.630E+03	0.	1.014E-05	2.165E-11	1.655E-08	5.571E-05	1.786E-13	1.962E-01	5.787E-01	9.937E-08
6.730E+03	0.	2.147E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-08
6.830E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-08
6.930E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	2.473E-13	6.673E-01	7.212E-01	2.358E-08
7.030E+03	0.	6.747E-05	3.874E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	4.877E-08
7.130E+03	0.	1.014E-05	2.165E-11	1.655E-08	5.571E-05	1.786E-13	1.962E-01	5.787E-01	9.937E-08
7.230E+03	0.	2.147E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-08
7.330E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-08
7.430E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	2.473E-13	6.673E-01	7.212E-01	2.358E-08
7.530E+03	0.	6.747E-05	3.874E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	4.877E-08
7.630E+03	0.	1.014E-05	2.165E-11	1.655E-08	5.571E-05	1.786E-13	1.962E-01	5.787E-01	9.937E-08
7.730E+03	0.	2.147E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-08
7.830E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-08
7.930E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	2.473E-13	6.673E-01	7.212E-01	2.358E-08
8.030E+03	0.	6.747E-05	3.874E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	4.877E-08
8.130E+03	0.	1.014E-05	2.165E-11	1.655E-08	5.571E-05	1.786E-13	1.962E-01	5.787E-01	9.937E-08
8.230E+03	0.	2.147E-05	1.244E-11	1.793E-08	5.777E-05	1.595E-13	1.962E-01	5.787E-01	9.937E-08
8.330E+03	0.	1.303E-05	5.064E-11	1.101E-08	5.355E-05	1.139E-13	8.394E-01	1.704E-01	4.126E-08
8.430E+03	0.	2.570E-05	7.157E-11	1.621E-08	5.464E-05	2.473E-13	6.673E-01	7.212E-01	2.358E-08
8.530E+03	0.	6.747E-05	3.874E-11	2.624E-08	5.246E-05	2.081E-13	5.531E-01	7.149E-01	4.877E-08

TABLE II.- Continued

P/PD = 1.00E-01

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	2.475E-01	4.049E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.497E-01	6.904E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.499E-01	9.285E-21	0.	0.	0.	0.	0.	7.000E+02
0.	2.867E-28	2.300E-01	1.020E-20	0.	0.	0.	0.	0.	8.000E+02
0.	8.103E-25	2.500E-01	9.658E-21	0.	0.	0.	0.	0.	9.000E+02
0.	4.703E-22	2.500E-01	8.385E-21	0.	0.	0.	0.	0.	1.000E+03
0.	6.625E-20	2.500E-01	7.011E-21	0.	0.	0.	0.	0.	1.100E+03
0.	6.661E-18	2.500E-01	5.811E-21	4.326E-33	0.	0.	0.	0.	1.200E+03
0.	2.656E-16	2.500E-01	4.842E-21	6.529E-32	J	0.	0.	0.	1.300E+03
0.	6.217E-15	2.500E-01	4.001E-21	6.604E-31	C	0.	0.	0.	1.403E+03
0.	9.615E-14	2.500E-01	3.886E-21	6.869E-30	0.	0.	0.	0.	1.500E+03
0.	1.058E-12	2.500E-01	3.018E-21	2.783E-29	0.	0.	0.	0.	1.670E+03
0.	6.789E-12	2.499E-01	2.635E-21	1.291E-28	0.	0.	0.	0.	1.700E+03
3.240E-25	5.778E-11	2.499E-01	2.357E-21	5.065E-28	0.	0.	0.	0.	1.800E+03
0.880E-23	3.111E-10	2.497E-01	3.790E-21	3.070E-27	1.742E-31	0.	0.	0.	1.900E+03
1.723E-21	1.442E-09	2.494E-01	2.869E-20	7.681E-26	1.287E-29	0.	0.	0.	2.000E+03
4.362E-20	5.619E-09	2.489E-01	2.432E-19	1.921E-24	4.665E-26	0.	0.	0.	2.100E+03
2.442E-19	1.959E-08	2.481E-01	1.743E-18	3.087E-23	1.177E-26	0.	0.	0.	2.200E+03
2.046E-18	6.121E-08	2.467E-01	1.057E-17	5.501E-22	2.293E-25	0.	0.	0.	2.300E+03
1.446E-17	1.733E-07	2.447E-01	5.521E-17	6.572E-21	3.312E-24	0.	0.	0.	2.400E+03
6.577E-17	4.531E-07	2.417E-01	2.529E-16	6.457E-20	3.926E-23	C	0.	0.	2.500E+03
4.365E-16	1.005E-06	2.371E-01	1.031E-15	5.337E-19	3.818E-22	0.	0.	0.	2.600E+03
1.959E-15	2.470E-06	2.323E-01	3.773E-15	3.705E-18	3.107E-21	0.	0.	0.	2.700E+03
7.705E-15	9.237E-06	2.295E-01	1.262E-14	2.343E-17	2.152E-20	0.	0.	0.	2.800E+03
2.692E-14	1.350E-05	2.173E-01	3.883E-14	1.285E-16	1.207E-19	C	0.	0.	2.900E+03
6.612E-14	2.001E-05	2.079E-01	1.110E-13	6.320E-16	6.739E-19	0.	0.	0.	3.000E+03
4.365E-13	3.663E-05	1.979E-01	2.994E-13	2.034E-15	3.117E-18	0.	0.	0.	3.100E+03
6.013E-13	6.372E-05	1.478E-01	7.514E-13	1.167E-14	1.291E-17	0.	0.	0.	3.200E+03
1.393E-12	1.376E-04	1.782E-01	1.469E-12	4.656E-14	4.834E-17	0.	0.	0.	3.300E+03
2.961E-12	1.763E-04	1.697E-01	4.321E-12	1.600E-13	1.652F-16	0.	0.	0.	3.400E+03
5.835E-12	2.814E-04	1.627E-01	9.775E-12	5.400E-13	5.222E-16	0.	0.	0.	3.500E+03
1.077E-11	4.389E-04	1.571E-01	2.147E-11	1.726E-12	1.540E-15	C	0.	0.	3.600E+03
1.880E-11	6.703E-04	1.529E-01	4.503E-11	5.238E-12	4.256E-15	0.	0.	0.	3.700E+03
3.133E-11	1.004E-03	1.497E-01	9.513E-11	1.513E-11	1.111E-14	0.	0.	0.	3.800E+03
5.026E-11	1.478E-03	1.473E-01	1.919E-10	4.165E-11	2.753E-14	0.	0.	0.	3.900E+03
7.759E-11	2.131E-03	1.455E-01	3.762E-10	1.096E-10	6.508E-14	0.	0.	0.	4.000E+03
1.177E-10	3.024E-03	1.439E-01	7.169E-10	2.758E-10	1.473E-13	0.	0.	0.	4.100E+03
1.735E-10	4.226E-03	1.425E-01	1.329E-09	6.661E-10	3.200E-13	0.	0.	0.	4.200E+03
2.902E-10	9.811E-03	1.410E-01	2.394E-09	1.544E-09	6.697E-13	0.	0.	0.	4.300E+03
3.539E-10	7.812E-03	1.395E-01	4.207E-09	3.654E-09	1.553E-12	0.	0.	0.	4.400E+03
4.915E-10	1.051E-02	1.377E-01	7.206E-09	7.444E-09	2.664E-12	0.	0.	0.	4.500E+03
6.727E-10	1.384E-02	1.358E-01	1.221E-08	1.554E-08	9.004E-12	0.	0.	0.	4.600E+03
9.065E-10	1.798E-02	1.331E-01	1.956E-08	3.137E-08	4.204E-12	C	0.	0.	4.700E+03
1.205E-09	2.308E-02	1.300E-01	3.109E-08	6.137E-09	1.644E-11	0.	0.	0.	4.800E+03
1.580E-09	2.191E-02	1.265E-01	4.823E-08	1.166E-07	2.861E-11	0.	0.	0.	4.900E+03
2.368E-09	3.647E-02	1.222E-01	7.705E-08	2.151E-07	4.852E-11	0.	0.	0.	5.000E+03
3.328E-09	5.644E-02	1.171E-01	1.557E-07	6.764E-07	1.294E-10	C	0.	0.	5.200E+03
5.194E-09	7.842E-02	9.822E-02	3.014E-07	1.902E-06	3.134E-10	0.	0.	0.	5.400E+03
7.824E-09	1.059E-01	9.236E-02	5.298E-06	4.843E-06	8.966E-10	1.781E-24	0.	0.	5.600E+03
1.143E-08	1.358E-01	6.527E-02	8.253E-07	1.118E-05	1.607E-09	2.174E-23	0.	0.	5.800E+03
1.627E-08	1.669E-01	4.165E-02	2.364E-06	2.364E-05	2.617E-09	2.162E-22	0.	0.	6.000E+03
2.263E-08	1.902E-01	3.412E-02	1.469E-06	4.527E-05	4.494E-09	1.784E-21	0.	0.	6.200E+03
3.366E-08	2.396E-02	2.778E-02	1.767E-06	8.091E-05	7.198E-09	1.248E-20	0.	0.	6.400E+03
6.136E-08	2.240E-01	1.671E-02	1.919E-06	1.558E-04	1.087E-08	7.935E-20	0.	0.	6.600E+03
5.645E-08	2.332E-01	9.337E-03	2.015E-06	2.172E-04	1.566E-08	4.341E-19	0.	0.	6.800E+03
7.061E-08	2.344E-01	9.110E-03	2.053E-04	3.332E-06	2.177E-06	1.942E-18	0.	0.	7.000E+03
9.018E-08	2.424E-01	3.765E-03	2.055E-06	4.456E-04	2.938E-08	8.493E-18	0.	0.	7.200E+03
1.1135E-07	2.463E-01	2.426E-02	2.034E-06	7.180E-06	3.675E-06	3.417E-17	0.	0.	7.400E+03
1.410E-07	2.455E-01	1.585E-03	2.000E-06	1.017E-03	5.307E-09	1.275E-16	0.	0.	7.600E+03
1.730E-07	2.455E-01	1.052E-03	1.959E-06	1.413E-03	6.359E-08	4.646E-16	0.	0.	7.800E+03
2.059E-07	2.455E-01	7.080E-03	1.912E-06	1.928E-03	7.947E-08	1.656E-15	0.	0.	8.000E+03
2.530E-07	2.442E-01	4.833E-03	1.866E-06	2.598E-03	9.788E-08	4.494E-15	0.	0.	8.200E+03
2.946E-07	2.429E-01	3.362E-06	1.810E-06	3.623E-03	1.189E-07	1.311E-16	0.	0.	8.400E+03
3.477E-07	2.412E-01	2.338E-06	1.754E-06	4.646E-03	1.625E-07	3.673E-16	0.	0.	8.600E+03
4.029E-07	2.390E-01	1.652E-06	1.646E-06	9.744E-03	1.687E-07	9.776E-16	0.	0.	8.800E+03
4.620E-07	2.362E-01	1.178E-06	1.635E-06	7.303E-03	1.973E-07	2.492E-13	0.	0.	9.000E+03
5.243E-07	2.329E-01	8.655E-05	1.572E-06	9.137E-03	2.275E-07	6.100E-13	C	0.	9.200E+03
5.880E-07	2.290E-01	6.117E-05	1.502E-06	1.138E-02	2.800E-07	1.638E-12	0.	0.	9.400E+03
6.550E-07	2.264E-01	4.661E-05	1.430E-06	1.337E-02	2.931E-07	3.270E-12	0.	0.	9.600E+03
7.204E-07	2.191E-01	3.233E-05	1.354E-06	1.697E-02	3.203E-07	7.192E-12	0.	0.	9.800E+03
7.842E-07	2.130E-01	2.358E-05	1.275E-06	2.039E-02	3.588E-07	1.532E-11	0.	0.	1.000E+04
8.013E-06	1.707E-01	4.725E-06	8.394E-07	4.393E-02	4.728E-07	4.632E-10	0.	0.	1.100E+04
8.607E-07	1.153E-01	8.026E-07	4.199E-07	7.613E-02	4.333E-07	7.167E-09	0.	0.	1.200E+04
9.527E-07	6.371E-02	1.053E-07	1.555E-07	1.001E-01	2.725E-07	7.444E-08	1.05MF-21	0.	1.300E+04
9.831E-07	3.320E-02	1.165E-08	6.616E-08	1.169E-01	1.278E-07	5.511E-07	2.806E-19	0.	1.400E+04
1.643E-07	1.306E-02	1.237E-09	1.208E-08	1.210E-01	5.209E-08	3.185E-06	2.617E-17	0.	1.500E+04
5.947E-08	6.397E-03	1.519E-10	3.705E-09	1.233E-01	2.393E-08	1.514E-05	1.207E-15	0.	1.600E+04
2.551E-08	3.111E-03	2.230E-11	1.222E-09	1.262E-01	8.758E-05	6.096E-05	4.498E-14	0.	1.700E+04
1.166E-08	1.632E-03	3.912E-12	4.354E-10	1.246E-01	3.901E-04	2.127E-04	1.091E-12	0.	1.800E+04
9.458E-09	9.051E-04	8.050E-13	1.692E-10	1.241E-01	1.064E-03	6.952E-04	1.924E-11	0.	1.900E+04
2.750E-09	5.279E-04	1.893E-13	7.039E-11	1.229E-01	9.238E-04	1.806E-03	2.983E-10	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.130E+04	2.112E-01	2.498E-22	6.142E-21	7.321E-13	0.	1.753E-02	4.207E-13	2.058E-09	3.723E-01
2.230E+04	5.243E-01	3.213E-33	1.149E-23	2.415E-13	0.	1.142E-03	3.209E-13	1.199E-09	3.706E-01
2.330E+04	5.6.937-01	3.912E-34	2.325E-24	8.943E-14	0.	7.719E-04	1.710E-13	7.221E-10	3.677E-01
2.430E+04	5.1165-01	5.175E-35	4.974E-25	2.195E-14	0.	4.477E-04	4.890E-14	4.496E-10	3.621E-01
2.530E+04	5.751E-01	7.209E-36	1.762E-25	1.172E-14	0.	3.935E-04	2.111E-14	2.073E-10	3.488E-01
2.630E+04	5.337E-01	1.244E-36	2.117E-26	1.851E-15	0.	2.937E-04	6.534E-15	1.988E-10	3.496E-01
2.730E+04	5.6.435E-01	1.577E-37	5.111E-27	1.305E-15	0.	2.246E-04	4.547E-15	1.276E-10	3.644E-01
2.830E+04	5.6.55E-01	0.	1.144E-27	4.642E-14	0.	1.757E-04	7.697E-15	8.857E-11	3.606E-01
2.930E+04	5.6.442E-01	0.	2.714E-24	1.544E-16	0.	1.404E-04	1.811E-15	6.296E-11	3.388E-01
3.030E+04	5.515E-01	0.	1.022E-24	5.448E-17	0.	1.147E-04	6.378E-16	4.576E-11	3.362E-01
3.130E+04	5.5.57E-01	0.	1.377E-29	2.072E-17	0.	9.513E-05	2.562E-16	2.388E-11	3.750E-01
3.230E+04	5.5.364E-01	0.	5.216E-30	4.044E-19	0.	8.027E-05	2.044E-18	2.444E-11	3.647E-01
3.330E+04	5.5.551E-01	0.	1.536E-29	7.746E-18	0.	6.629E-05	1.717E-16	1.967E-11	3.332E-01
3.430E+04	5.5.570E-01	0.	4.793E-31	1.523E-18	0.	5.401E-06	7.430E-17	1.524E-11	3.322E-01
3.530E+04	5.5.301E-01	0.	1.625E-31	7.701E-19	0.	4.172E-05	4.697E-17	1.177E-11	3.308E-01
3.630E+04	5.5.117E-01	0.	5.671E-32	2.525E-19	0.	4.651E-05	2.252E-17	9.281E-12	3.709E-01
3.730E+04	5.5.045E-01	0.	1.812E-32	1.177E-19	0.	3.066E-05	1.894E-17	7.378E-12	2.266E-01
3.830E+04	5.5.015E-01	0.	6.655E-32	4.903E-19	0.	3.562E-05	1.244E-17	4.904E-12	3.223E-01
3.930E+04	5.5.713E-01	0.	2.202E-32	7.187E-19	0.	2.766E-05	8.167E-18	4.764E-12	3.209E-01
4.030E+04	5.5.779E-01	0.	9.033E-26	1.394E-21	0.	2.648E-05	5.694E-18	1.477E-12	3.167E-01
4.130E+04	5.5.427E-01	0.	7.414E-26	4.041E-18	0.	2.712E-05	3.934E-18	1.744E-12	3.173E-01
4.230E+04	5.5.35E-01	0.	9.410E-35	7.756E-19	0.	2.333E-05	2.357E-18	2.617E-12	3.103E-01
4.330E+04	5.5.295E-01	0.	4.613E-35	7.411E-19	0.	2.777E-05	1.955E-18	2.178E-12	3.078E-01
4.430E+04	5.5.473E-01	0.	1.762E-35	2.249E-19	0.	2.201E-05	1.471E-18	1.872E-12	3.057E-01
4.530E+04	5.5.304E-01	0.	0.	1.641E-20	0.	2.744E-05	1.022E-18	1.644E-12	3.041E-01
4.630E+04	5.5.762E-01	0.	0.	1.023E-21	0.	2.737E-05	7.676E-19	1.717E-12	3.028E-01
4.730E+04	5.5.763E-01	0.	0.	1.523E-23	0.	1.548E-05	5.646E-18	1.724E-12	3.018E-01
4.830E+04	5.5.434E-01	0.	1.545E-37	1.294E-19	0.	1.478E-05	4.717E-19	9.713E-13	3.206E-01
4.930E+04	5.5.037E-01	0.	0.	5.071E-14	0.	1.173E-05	2.274E-19	8.472E-13	2.009E-01
5.030E+04	5.5.137E-01	0.	0.	7.715E-14	0.	1.280E-05	7.798E-19	2.082E-13	2.083E-01

P, P0 = 4.000E-01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.130E+02	0.	4.612E-02	6.669E-21	1.541E-34	1.264E-29	8.389E-21	7.154E-01	8.025E-19	4.109E-21
6.000E+02	0.	6.220E-03	5.369E-18	8.951E-29	5.755E-26	5.676E-17	7.453E-01	8.293E-19	2.048E-20
7.000E+02	0.	1.336E-02	6.025E-16	1.413E-26	2.171E-23	3.107E-16	7.490E-01	7.777E-19	6.087E-20
8.000E+02	0.	4.109E-04	2.033E-16	1.364E-21	1.818E-21	3.557E-12	7.497E-01	6.939E-19	1.457E-19
9.000E+02	0.	1.603E-04	3.123E-13	3.388E-19	5.645E-09	1.434E-10	7.498E-01	5.852E-19	2.933E-19
1.000E+03	0.	7.676E-05	2.722E-12	2.784E-17	8.820E-19	2.763E-09	7.499E-01	4.726E-19	3.662E-19
1.100E+03	0.	3.983E-05	1.608E-11	1.026E-15	8.375E-18	3.168E-08	7.500E-01	3.732E-19	4.667E-19
1.200E+03	0.	2.332E-05	7.032E-11	2.073E-14	5.440E-17	2.417E-07	7.500E-01	2.935E-19	5.977E-19
1.300E+03	0.	1.505E-03	2.647E-10	2.636E-13	2.688E-06	1.354E-06	7.500E-01	2.326E-19	6.098E-19
1.400E+03	0.	1.027E-05	7.119E-10	2.333E-12	1.046E-15	5.954E-06	7.500E-01	1.871E-19	6.565E-19
1.500E+03	3.6.894E-31	7.303E-06	1.779E-09	1.546E-11	3.431E-15	2.154E-05	7.500E-01	1.530E-19	6.916E-19
1.600E+03	9.720E-24	5.538E-06	4.032E-09	6.065E-11	9.720E-15	6.652E-05	7.499E-01	1.273E-19	7.101E-19
1.700E+03	9.426E-25	6.303E-06	8.230E-09	3.466E-10	2.446E-14	1.802E-04	7.498E-01	1.076E-19	7.380E-19
1.800E+03	5.6.605E-22	3.443E-06	1.595E-08	1.269E-09	5.566E-16	4.379E-04	7.496E-01	9.264E-20	7.545E-19
1.900E+03	1.046E-19	2.823E-06	2.735E-08	6.048E-09	1.613E-13	9.700E-04	7.491E-01	8.997E-20	8.006E-19
2.000E+03	3.6.112E-18	2.302E-06	4.552E-07	1.150E-08	2.262E-13	1.987E-03	7.483E-01	3.563E-19	3.888E-18
2.100E+03	3.6.634E-17	2.099E-06	7.210E-06	2.955E-08	6.130E-12	3.802E-03	7.476E-01	2.729E-19	3.401E-17
2.200E+03	5.8.484E-16	1.732E-06	1.039E-07	6.916E-08	7.137E-13	6.659E-03	7.464E-01	1.089E-17	2.656E-16
2.300E+03	1.065E-15	1.509E-06	1.593E-07	1.520E-07	1.174E-12	1.175E-02	7.397E-01	1.122E-10	1.746E-15
2.400E+03	1.067E-14	1.321E-06	2.241E-07	3.101E-07	1.045E-12	1.923E-02	7.332E-01	5.705E-10	9.072E-15
2.500E+03	5.9.125E-03	1.161E-06	3.500E-07	5.958E-07	7.682E-12	3.019E-02	7.236E-01	2.566E-15	6.057E-16
2.600E+03	2.221E-13	1.020E-06	6.202E-07	1.083E-06	6.031E-12	4.565E-02	7.101E-01	1.021E-16	2.115E-13
2.700E+03	8.6.630E-13	8.973E-07	5.137E-07	1.874E-06	5.618E-12	6.669E-02	7.016E-01	3.933E-14	8.299E-13
2.800E+03	3.6.304E-13	6.373E-07	6.366E-07	3.092E-06	5.733E-12	4.433E-02	6.757E-01	1.186E-13	2.923E-12
2.900E+03	9.2.931E-12	6.620E-07	7.645E-07	4.883E-06	9.733E-12	1.294E-01	6.360E-01	3.510E-13	9.464E-12
3.000E+03	9.2.932E-11	5.5.569E-07	8.894E-07	7.395E-06	1.208E-11	1.724E-01	5.991E-01	9.036E-13	2.826E-11
3.100E+03	6.0.707E-11	6.4.583E-07	1.000E-06	1.076E-05	1.464E-11	2.233E-01	5.364E-01	2.924E-12	7.036E-11
3.200E+03	2.2.306E-10	3.6.765E-07	1.087E-06	1.507E-05	1.652E-11	2.814E-01	5.030E-01	5.684E-12	2.029E-10
3.300E+03	5.6.657E-10	2.6.611E-07	1.141E-06	2.033E-05	1.917E-11	3.655E-01	4.684E-01	1.242E-11	4.934E-10
3.400E+03	1.1.576E-09	2.157E-07	1.155E-06	2.449E-05	1.917E-11	4.118E-01	3.896E-01	2.560E-11	1.132E-09
3.500E+03	2.506E-09	1.572E-07	1.130E-06	3.138E-05	1.948E-11	6.701E-01	3.307E-01	4.274E-11	2.459E-09
3.600E+03	5.1.165E-09	1.109E-07	1.069E-06	4.080E-05	1.909E-11	9.431E-01	2.761E-01	8.011E-11	5.079E-09
3.700E+03	1.016E-08	7.594E-08	9.815E-07	4.853E-05	1.809E-11	6.031E-01	2.222E-01	1.507E-10	1.002E-08
3.800E+03	1.4.401E-08	3.1.19E-08	7.696E-07	6.415E-05	1.518E-11	6.991E-01	1.300E-01	2.652E-10	1.039E-08
3.900E+03	3.4.611E-08	3.1.19E-08	7.696E-07	6.415E-05	1.518E-11	6.991E-01	1.300E-01	3.614E-10	3.441E-08
4.000E+03	6.1.133E-08	2.145E-08	6.640E-07	7.182E-05	1.353E-11	7.347E-01	1.067E-01	5.705E-10	6.039E-08
4.100E+03	1.0.037E-07	1.378E-08	5.667E-07	7.933E-05	1.196E-11	7.629L-01	8.188E-02	8.293E-10	1.027E-07
4.200E+03	1.1.733E-07	8.848E-09	6.804E-07	8.667E-05	1.049E-11	8.474E-01	3.307E-01	4.274E-11	2.459E-09
4.300E+03	2.7.793E-07	5.703E-09	4.059E-07	4.388E-05	9.171E-12	8.012E-01	4.795E-02	1.593E-09	2.733E-07
4.400E+03	4.3.406E-07	3.701E-09	3.426E-07	1.009E-06	8.008E-12	8.153E-01	3.680E-02	2.161E-09	4.239E-07
4.500E+03	6.6.607E-07	2.4.425E-09	2.894E-07	1.078E-06	9.992E-12	8.226E-01	2.637E-02	2.028E-09	6.619E-07
4.600E+03	1.0.010E-06	1.6.605E-09	2.450E-07	1.145E-06	8.111E-12	8.292E-01	2.201E-02	3.677E-09	9.994E-07
4.700E+03	1.9.920E-06	1.0.074E-09	2.070E-07	2.121E-06	9.336E-12	9.718E-02	4.716E-09	1.402E-06	4.082E-06
4.800E+03	2.1.191E-06	7.2.717E-10	1.768E-07	1.276E-06	8.662E-12	8.371E-01	3.551E-02	5.974E-09	2.160E-06

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE II.- Continued

H+	N	N2	N2+	N+	N-	N++	N+++	N++++	I
1.961E-05	3.189E-04	4.926E-14	3.075E-11	1.199E-01	4.815E-10	4.655E-03	2.395E-09	0.	2.100E+04
8.146E-10	1.984E-04	1.361E-14	1.334E-11	1.133E-01	2.580E-10	9.907E-03	2.223E-08	0.	2.200E+04
4.754E-10	1.205E-04	3.801E-15	5.760E-12	1.031E-01	1.387E-10	1.950E-02	1.455E-07	0.	2.300E+04
2.891E-10	7.182E-05	1.015E-15	2.256E-12	8.720E-02	7.308E-11	7.730E-02	7.555E-07	0.	7.400E+04
1.022E-10	4.308E-05	2.509E-16	7.887E-13	6.812E-02	3.699E-11	5.057E-02	3.145E-06	0.	2.500E+04
1.183E-10	2.216E-05	5.674E-17	2.456E-13	4.931E-02	1.708E-11	1.188E-02	1.076E-05	0.	2.600E+04
7.885E-11	1.150E-05	1.203E-17	7.037E-14	3.367E-02	8.342E-12	8.175E-02	3.132E-05	0.	2.700E+04
5.179E-11	5.948E-06	2.483E-18	1.925E-14	2.219E-02	3.817E-12	9.31E-02	8.046E-05	0.	2.800E+04
3.753E-11	3.081E-06	5.179E-19	3.258E-15	1.461E-02	1.760E-12	9.811E-02	1.878E-04	0.	2.900E+04
2.677E-11	1.599E-06	1.119E-19	1.465E-15	9.352E-03	8.226E-13	1.024E-01	4.066E-04	0.	3.000E+04
1.951E-11	8.540E-07	2.545E-20	4.234E-16	6.116E-03	3.939E-13	1.348E-01	8.280E-04	0.	3.100E+04
1.652E-11	4.672E-07	6.128E-21	1.276E-16	4.045E-03	1.938E-13	1.057E-01	1.600E-03	0.	3.200E+04
1.104E-11	2.616E-07	1.545E-21	4.005E-17	2.705E-03	9.794E-14	1.354E-01	2.944E-03	1.503F-08	3.300E+04
8.558E-12	1.494E-07	4.087E-22	1.301E-17	1.623E-03	5.06E-16	1.037E-01	5.173E-03	6.188E-08	3.400E+04
6.767E-12	8.660E-08	1.119E-22	3.326E-18	1.236E-03	2.671E-14	1.304E-01	8.444E-03	2.314E-07	3.500E+04
5.451E-12	5.256E-08	3.128E-23	1.456E-18	8.349E-04	1.422E-14	9.505E-02	1.379E-02	7.881E-07	3.600E+04
4.676E-12	2.951E-08	8.780E-24	4.872E-19	5.589E-04	7.631E-15	8.757E-02	2.074E-02	7.474E-06	3.700E+04
3.726E-12	1.730E-08	2.441E-24	1.030E-19	3.681E-04	4.312E-15	7.797E-02	2.493E-02	6.795E-06	3.800E+04
3.152E-12	9.769E-09	6.630E-25	5.096E-20	2.376E-04	2.150E-15	6.696E-02	3.953E-02	1.732E-07	3.900E+04
2.703E-12	5.469E-09	1.749E-25	1.565E-20	1.497E-04	1.120L-15	5.542E-02	4.996E-02	4.035E-04	4.000E+04
2.336E-12	3.017E-09	4.448E-26	4.659E-21	9.261E-05	5.747E-16	4.435E-C2	5.992E-02	8.669E-C4	4.100E+04
2.056E-12	1.642E-09	1.125E-26	1.305E-21	5.609E-05	2.114E-16	3.551E-02	6.870E-02	1.735E-04	4.200E+04
1.816E-12	8.666E-10	2.749E-27	3.834E-22	3.308E-05	1.667E-16	2.630E-02	7.595E-02	3.266E-04	4.300E+04
1.618E-12	4.773E-10	6.416E-28	1.048E-22	2.013E-05	7.371E-17	1.476E-02	8.156E-02	5.843E-04	4.400E+04
1.452E-12	2.577E-10	1.732E-28	3.109E-23	1.204E-05	3.74E-17	1.671E-02	8.565E-02	1.701E-03	4.500E+04
1.311E-12	1.399E-10	0.	9.004E-24	7.224E-06	1.896E-17	1.093E-02	8.837E-02	1.441E-03	4.600E+04
1.191E-12	7.665E-11	0.	2.653E-24	4.366E-06	9.767E-18	8.065E-03	9.984E-02	2.634E-03	4.707E+04
1.087E-12	4.237E-11	0.	7.972E-25	2.657E-06	5.059E-18	6.915E-03	6.077E-03	4.077E-03	4.800E+04
9.703E-13	2.362E-11	8.429E-31	7.433E-25	1.626E-06	2.655E-18	4.394E-03	8.931E-02	6.118E-03	4.900E+04
9.182E-13	1.327E-11	0.	7.573E-26	1.002E-06	1.406E-18	2.235E-03	d. 720E-02	8.914E-03	5.000E+04

P/PD = 5.00E-01

H+	N	N2	N2+	N+	N-	N++	N+++	N++++	I
0.	0.	2.395E-01	4.217E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.449E-01	7.142E-21	0.	0.	0.	0.	0.	6.000E+02
0.	4.733E-03	2.497E-01	1.017E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.282E-20	2.454E-01	1.234E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.624E-25	2.500E-01	1.321E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.193E-22	2.500E-01	1.284E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.657E-20	2.500E-01	1.176E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.974E-23	2.500E-01	3.472E-19	0.	0.	0.	0.	0.	1.200E+03
0.	1.620E-19	2.500E-01	9.128E-21	5.505E-32	0.	0.	0.	0.	1.300E+03
0.	2.760E-15	2.500E-01	1.971E-21	5.760E-31	0.	0.	0.	0.	1.400E+03
0.	4.330E-01	2.503E-01	6.986E-21	6.363E-19	0.	0.	0.	0.	1.500E+03
0.	4.731E-13	2.500E-01	6.162E-21	2.541E-19	0.	0.	0.	0.	1.600E+03
0.	3.193E-12	2.500E-01	5.679E-21	1.156E-18	0.	0.	0.	0.	1.700E+03
6.455E-26	2.534E-13	2.449E-01	4.913E-21	6.721E-28	0.	0.	0.	0.	1.800E+03
2.337E-23	1.395E-10	2.449E-01	4.981E-21	1.834E-27	0.	0.	0.	0.	1.900E+03
1.096E-21	6.766E-10	2.449E-01	4.981E-21	2.420E-26	2.4177E-30	0.	0.	0.	2.000E+03
1.546E-20	2.516E-19	2.4455E-01	5.665E-19	3.156E-28	0.	0.	0.	0.	2.100E+03
1.676E-19	6.777E-19	2.691E-01	1.146E-18	1.082E-29	0.	0.	0.	0.	2.200E+03
1.420E-18	2.747E-18	2.6445E-01	6.966E-19	1.615E-27	1.534E-24	0.	0.	0.	2.300E+03
1.302E-17	7.512E-18	2.697E-01	3.665E-17	1.452E-21	1.280E-26	0.	0.	0.	2.400E+03
6.019E-17	2.045E-07	2.642E-01	1.670E-16	1.899E-20	2.720E-29	0.	0.	0.	2.500E+03
3.130E-15	4.636E-07	2.6443E-01	6.871E-16	1.570E-19	2.669E-22	0.	0.	0.	2.600E+03
1.429E-15	1.127E-06	2.617E-01	2.539E-15	1.112E-18	2.201E-21	0.	0.	0.	2.700E+03
5.840E-15	2.422E-06	8.529E-15	6.867E-19	1.555E-19	1.515E-20	0.	0.	0.	2.800E+03
2.114E-16	8.471E-06	2.333E-01	2.635E-15	3.750E-17	9.464E-20	0.	0.	0.	2.900E+03
6.968E-16	9.378E-06	2.284E-01	7.577E-16	1.634E-16	5.120E-19	0.	0.	0.	3.000E+03
2.049E-13	1.726E-06	2.221E-01	2.033E-13	6.122E-16	2.640E-18	0.	0.	0.	3.100E+03
5.759E-13	3.344E-05	2.148E-01	5.194E-13	3.261E-15	1.764E-17	0.	0.	0.	3.200E+03
1.460E-12	9.484E-05	2.064E-01	1.222E-12	1.231E-14	4.370E-17	0.	0.	0.	3.300E+03
7.443E-12	1.363E-05	1.930E-01	6.119E-12	1.374E-13	4.717E-16	0.	0.	0.	3.400E+03
1.523E-11	2.112E-04	1.811E-01	1.290E-11	6.312E-13	1.620E-15	0.	0.	0.	3.500E+03
2.908E-11	3.102E-04	1.764E-01	2.635E-11	1.261E-12	6.033E-15	0.	0.	0.	3.600E+03
5.243E-11	4.752E-04	1.672E-01	5.239E-11	3.518E-14	1.070E-16	0.	0.	0.	3.700E+03
1.976E-11	6.724E-04	1.622E-01	1.015E-10	4.396E-12	2.686E-14	0.	0.	0.	3.800E+03
1.464E-10	1.917E-04	1.577E-01	1.924E-13	2.412E-11	6.407E-14	0.	0.	0.	4.000E+03
2.311E-10	1.392E-03	1.537E-01	3.592E-10	5.946E-11	1.455E-13	0.	0.	0.	4.100E+03
3.515E-10	1.644E-03	1.507E-01	6.468E-10	1.413E-10	3.140E-13	0.	0.	0.	4.200E+03
5.193E-10	2.064E-03	1.481E-01	1.153E-09	3.246E-10	6.701E-13	0.	0.	0.	4.300E+03
7.443E-10	3.622E-03	1.466E-01	2.006E-09	7.203E-10	1.355E-12	0.	0.	0.	4.400E+03
1.055E-09	4.339E-03	1.441E-01	1.614E-09	1.567E-09	2.667E-12	0.	0.	0.	4.500E+03
1.455E-09	6.392E-03	1.422E-01	4.419E-09	3.214E-09	1.075E-12	0.	0.	0.	4.600E+03
1.943E-09	4.425E-03	1.421E-01	6.311E-09	6.311E-09	6.383E-12	0.	0.	0.	4.700E+03
2.655E-09	1.569E-02	1.388E-01	1.922E-08	1.276E-08	1.687E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NM3	NH2	NM	N2H2	H	H2	H2+	H+
4.900E+03	3.151E-04	4.976E-10	1.509E-07	1.337E-04	4.104E-12	8.390E-03	1.049E-02	7.483E-09	3.099E-06
5.000E+03	4.467E-06	3.441E-10	1.290E-07	1.394E-06	3.599E-12	8.400E-01	8.527E-03	9.274E-09	4.381E-06
5.200E+03	8.635E-06	1.694E-10	9.503E-08	1.502E-04	2.705E-12	8.394E-01	9.532E-03	1.305E-08	8.409E-06
5.400E+03	1.593E-05	8.615E-11	7.039E-08	1.587E-04	2.112E-12	8.362E-01	9.600E-03	1.999E-08	1.533E-05
5.600E+03	2.820E-05	6.497E-11	5.221E-08	1.644E-04	1.592E-12	8.305E-01	2.503E-03	2.795E-08	2.674E-05
5.800E+03	4.812E-05	2.392E-11	3.003E-08	1.666E-04	1.177E-12	8.228E-01	1.737E-03	3.799E-08	4.675E-05
6.000E+03	7.946E-05	1.289E-11	2.039E-08	1.652E-04	8.472E-12	8.133E-01	1.228E-03	5.031E-08	7.210E-05
6.200E+03	1.274E-04	7.012E-12	2.067E-08	1.595E-04	5.909E-13	8.028E-01	8.837E-04	6.516E-08	1.126E-04
6.400E+03	1.987E-04	3.839E-12	1.489E-08	1.501E-04	3.980E-13	7.920E-01	6.471E-04	8.204E-08	1.700E-04
6.600E+03	3.024E-04	2.116E-12	1.026E-08	2.591E-04	7.010E-01	6.029E-04	1.030E-07	2.524E-04	
6.800E+03	4.595E-04	1.177E-12	7.517E-09	1.238E-04	1.637E-13	7.729E-01	3.669E-04	1.267E-07	3.653E-04
7.000E+03	6.538E-04	6.620E-13	5.305E-09	1.093E-04	1.013E-13	7.657E-01	2.835E-04	1.502E-07	5.139E-04
7.200E+03	9.322E-04	3.791E-13	3.746E-09	9.333E-05	6.189E-14	7.601E-01	2.231E-04	1.931E-07	7.249E-04
7.400E+03	1.304E-03	2.209E-13	2.662E-09	8.262E-05	3.772E-14	7.559E-01	1.763E-04	2.361E-07	9.571E-04
7.600E+03	1.796E-03	1.312E-13	1.905E-09	7.161E-05	2.309E-14	7.526E-01	1.444E-04	2.420E-07	1.352E-03
7.800E+03	2.429E-03	7.951E-14	1.377E-09	6.176E-05	1.627E-14	7.500E-01	1.103E-04	3.371E-07	1.800E-03
8.000E+03	3.240E-03	4.919E-14	1.005E-09	5.349E-05	8.936E-15	7.476E-01	9.797E-05	4.002E-07	2.304E-03
8.200E+03	4.263E-03	3.094E-14	7.617E-10	4.649E-05	5.672E-15	7.456E-01	8.133E-05	4.715E-07	3.110E-03
8.400E+03	5.539E-03	1.985E-14	5.929E-10	4.056E-05	3.682E-15	7.430E-01	6.880E-05	5.515E-07	4.004E-03
8.600E+03	7.111E-03	1.293E-14	4.161E-10	3.548E-05	2.384E-15	7.404E-01	5.837E-05	6.405E-07	5.104E-03
8.800E+03	9.027E-03	6.555E-15	3.159E-10	3.116E-05	1.977E-15	7.376E-01	4.795E-05	7.305E-07	6.634E-03
9.000E+03	1.133E-02	5.735E-15	2.417E-10	2.745E-05	1.056E-15	7.339E-01	4.263E-05	8.456E-07	8.029E-03
9.200E+03	1.411E-02	3.891E-15	1.863E-10	2.425E-05	7.143E-16	7.298E-01	3.669E-05	9.618E-07	9.927E-03
9.400E+03	1.738E-02	2.666E-15	1.464E-10	2.146E-05	5.879E-16	7.250E-01	3.170E-05	1.007E-06	1.214E-02
9.600E+03	2.122E-02	1.045E-15	1.126E-10	1.902E-05	3.360E-16	7.195E-01	2.747E-05	1.214E-06	1.470E-02
9.800E+03	2.573E-02	1.246E-15	8.806E-11	1.689E-05	2.329E-16	7.130E-01	2.366E-05	1.360E-06	1.781E-02
1.000E+04	3.086E-02	9.021E-16	6.912E-11	1.500E-05	1.623E-16	7.056E-01	2.076E-05	1.500E-06	2.129E-02
1.020E+04	6.893E-02	1.597E-16	2.048E-11	8.176E-06	2.749E-17	6.515E-01	1.042E-05	2.277E-06	6.685E-02
1.200E+04	1.302E-01	2.686E-17	5.866E-12	5.122E-06	4.304E-18	5.662E-01	5.007E-06	2.894E-06	8.017E-02
1.300E+04	3.645E-01	3.645E-18	1.378E-12	1.789E-06	5.313E-19	4.471E-01	2.146E-06	3.037E-06	1.444E-01
1.400E+04	2.505E-01	3.510E-19	4.649E-13	6.371E-07	6.637E-20	3.182E-01	1.796E-07	2.586E-06	2.000E-01
1.500E+04	3.738E-01	2.537E-20	3.468E-14	1.811E-07	2.868E-21	2.039E-01	2.371E-07	1.797E-06	2.664E-01
1.600E+04	4.206E-01	1.624E-21	4.045E-15	4.851E-08	1.630E-22	1.197E-01	6.317E-08	1.066E-06	3.102E-01
1.700E+04	5.659E-01	7.527E-23	4.502E-16	2.121E-08	6.864E-24	6.793E-02	1.599E-08	5.769E-07	3.379E-01
1.800E+04	9.760E-01	4.312E-24	5.328E-17	3.177E-09	3.658E-25	3.863E-02	4.130E-09	3.022E-07	3.533E-01
1.900E+04	4.686E-01	2.090E-25	7.089E-18	8.938E-10	2.323E-26	2.195E-02	1.139E-09	1.808E-07	3.625E-01
2.000E+04	6.920E-01	2.328E-26	1.081E-18	2.742E-10	1.708E-27	1.366E-02	3.407E-10	8.820E-08	3.673E-01
2.100E+04	4.935E-01	2.249E-27	1.076E-19	9.153E-11	1.655E-28	1.608E-03	1.101E-10	5.019E-08	3.699E-01
2.200E+04	6.977E-01	2.569E-28	3.715E-20	3.296E-11	1.429E-29	5.663E-03	3.916E-11	2.966E-08	3.711E-01
2.300E+04	5.000E-01	3.046E-29	8.155E-21	1.265E-11	2.276E-30	3.839E-03	1.489E-11	1.019E-08	3.711E-01
2.400E+04	5.330E-01	5.104E-30	1.959E-21	5.093E-12	3.192E-31	2.703E-03	6.055E-12	1.163E-08	3.701E-01
2.500E+04	5.371E-01	8.459E-31	4.995E-22	2.115E-12	4.812E-32	1.966E-03	2.814E-12	7.411E-09	3.677E-01
2.600E+04	5.126E-01	1.500E-31	1.335E-22	8.893E-13	7.512E-33	1.467E-03	1.193E-12	6.919E-09	3.661E-01
2.700E+04	5.137E-01	2.833E-32	3.663E-23	3.729E-13	1.177E-33	1.125E-03	5.701E-13	3.336E-09	3.593E-01
2.800E+04	5.267E-01	5.926E-33	1.019E-23	1.566E-13	1.816E-34	8.819E-04	2.857E-13	2.309E-09	3.541E-01
2.900E+04	5.134E-01	1.114E-33	2.867E-24	6.337E-14	2.753E-35	7.057E-04	1.646E-13	1.632E-09	3.491E-01
3.000E+04	5.195E-01	2.330E-34	8.205E-25	2.585E-14	6.180E-36	5.753E-04	8.022E-14	1.177E-09	3.446E-01
3.100E+04	5.461E-01	9.085E-35	2.407E-25	1.060E-14	0.	6.768E-06	6.477E-14	8.654E-10	3.614E-01
3.200E+04	5.166E-01	1.166E-35	7.291E-26	4.411E-15	0.	6.011E-04	2.577E-14	6.468E-10	3.399E-01
3.300E+04	5.503E-01	2.421E-36	2.298E-26	1.070E-15	0.	5.424E-04	1.524E-14	4.934E-10	3.371E-01
3.400E+04	5.511E-01	7.206E-37	7.541E-27	8.182E-16	0.	2.950E-02	9.278E-15	3.811E-10	3.358E-01
3.500E+04	5.536E-01	1.943E-37	2.570E-27	3.667E-16	0.	2.573E-04	5.775E-15	7.981E-10	3.347E-01
3.600E+04	5.568E-01	5.511E-38	9.162E-28	1.667E-16	0.	2.201E-04	3.674E-15	2.399E-10	3.337E-01
3.700E+04	5.562E-01	0.	3.375E-28	7.954E-17	0.	2.005E-04	2.304E-15	1.886E-10	3.324E-01
3.800E+04	5.579E-01	0.	1.283E-28	3.826E-17	0.	1.790E-04	1.578E-15	1.520E-10	3.314E-01
3.900E+04	5.599E-01	0.	5.008E-29	1.671E-17	0.	1.608E-04	1.040E-15	1.239E-10	3.299E-01
4.000E+04	5.625E-01	0.	1.993E-29	9.266E-18	0.	1.453E-04	7.30E-16	1.010E-10	3.280E-01
4.100E+04	5.645E-01	0.	8.047E-30	4.597E-18	0.	1.319E-04	5.014E-16	8.341E-11	3.257E-01
4.200E+04	5.691E-01	0.	3.279E-30	2.288E-18	0.	1.202E-04	3.520E-16	6.881E-11	3.231E-01
4.300E+04	5.730E-01	0.	0.	1.136E-18	0.	1.100E-04	2.502E-16	5.229E-11	3.202E-01
4.400E+04	5.767E-01	0.	5.518E-31	5.620E-19	0.	1.011E-04	1.621E-16	4.702E-11	3.172E-01
4.500E+04	5.800E-01	0.	2.273E-31	2.749E-19	0.	9.317E-05	1.121E-16	4.034E-11	3.143E-01
4.600E+04	5.816E-01	0.	9.430E-32	3.308E-19	0.	8.619E-05	7.011E-17	3.614E-11	3.114E-01
4.700E+04	5.875E-01	0.	3.911E-32	6.504E-20	0.	7.904E-05	4.111E-17	2.914E-11	3.099E-01
4.800E+04	5.932E-01	0.	1.642E-32	3.266E-20	0.	7.433E-05	2.112E-17	2.500E-11	3.079E-01
4.900E+04	5.975E-01	0.	6.971E-33	1.633E-20	0.	6.933E-05	1.214E-17	2.157E-11	3.059E-01
5.000E+04	5.945E-01	0.	2.449E-33	8.156E-21	0.	6.463E-05	7.104E-17	1.871E-11	3.041E-01

TABLE II.- Continued

$N =$	N	N_2	N_{20}	N_6	N_{10}	N_{200}	N_{600}	N_{1000}	N_{10000}	Γ
3.502E-09	1.358E-02	1.386E-31	2.362E-08	2.436E-08	2.957E-11	0.	0.	0.	4.000E+03	
6.581E-09	1.709E-02	1.362E-01	3.805E-08	4.529E-08	5.059E-11	0.	0.	0.	5.000E+03	
7.476E-09	2.633E-02	1.286E-01	8.059E-08	1.453E-07	1.382E-10	0.	0.	0.	5.200E+03	
1.175E-08	3.866E-02	1.211E-01	1.870E-07	4.262E-07	3.468E-10	0.	0.	0.	5.600E+03	
1.781E-08	5.514E-02	1.116E-01	3.208E-07	1.134E-06	8.040E-10	0.	0.	0.	5.800E+03	
2.615E-08	7.141E-02	1.101E-01	5.707E-07	2.788E-06	1.730E-09	2.463E-24	0.	0.	5.800E+03	
3.731E-08	9.844E-02	8.664E-02	9.371E-07	6.328E-06	3.466E-09	2.628E-23	0.	0.	6.000E+03	
5.191E-08	1.238E-01	7.194E-02	1.422E-06	1.330E-05	6.477E-09	2.366E-22	0.	0.	6.200E+03	
7.065E-08	1.472E-01	9.796E-02	1.942E-06	2.597E-05	1.133E-08	1.088E-21	0.	0.	6.400E+03	
9.631E-08	1.791E-01	6.391E-02	2.584E-06	6.774E-05	1.862E-08	1.188E-20	0.	0.	6.600E+03	
1.230E-07	1.935E-01	3.246E-02	3.124E-06	8.105E-05	2.087E-08	6.800E-20	0.	0.	6.800E+03	
1.594E-07	2.394E-01	2.218E-02	3.598E-06	1.315E-04	4.253E-08	3.466E-19	0.	0.	7.000E+03	
2.030E-07	2.414E-01	1.578E-02	3.864E-06	2.030E-04	5.991E-08	1.565E-18	0.	0.	7.200E+03	
2.984E-07	2.105E-01	1.074E-02	4.054E-06	3.034E-04	8.161E-08	6.467E-18	0.	0.	7.400E+03	
3.185E-07	2.362E-01	7.357E-03	4.152E-06	4.383E-04	1.079E-07	2.650E-17	0.	0.	7.600E+03	
3.911E-07	2.430E-01	5.078E-03	4.112E-06	6.173E-04	1.392E-07	6.671E-17	0.	0.	7.800E+03	
4.766E-07	2.423E-01	3.661E-03	4.168E-06	8.501E-04	1.762E-07	2.802E-16	0.	0.	8.000E+03	
5.703E-07	2.435E-01	2.040E-03	4.124E-06	1.149E-03	2.193E-07	8.849E-16	0.	0.	8.200E+03	
6.781E-07	2.441E-01	1.688E-03	4.061E-06	1.529E-03	2.689E-07	2.615E-15	0.	0.	8.400E+03	
7.948E-07	2.441E-01	1.194E-03	3.984E-06	2.030E-03	3.247E-07	7.111E-15	0.	0.	8.600E+03	
9.317E-07	2.430E-01	8.088E-03	3.899E-06	2.590E-03	3.889E-07	1.950E-14	0.	0.	8.800E+03	
1.077E-06	2.424E-01	6.271E-06	3.808E-06	3.304E-03	4.547E-07	6.980E-16	0.	0.	9.000E+03	
1.235E-06	2.415E-01	4.549E-06	3.728E-06	6.176E-03	5.376E-07	1.221E-13	0.	0.	9.200E+03	
1.464E-06	2.394E-01	3.355E-06	3.605E-06	9.215E-03	6.223E-07	2.883E-13	0.	0.	9.400E+03	
1.584E-06	2.377E-01	2.645E-06	3.496E-06	6.445E-03	7.134E-07	6.560E-13	0.	0.	9.600E+03	
1.777E-06	2.353E-01	1.866E-06	3.382E-06	7.889E-03	8.099E-07	1.667E-12	0.	0.	9.800E+03	
1.967E-06	2.323E-01	1.046E-06	3.284E-06	9.567E-03	9.110E-07	3.090E-12	0.	0.	1.000E+04	
2.195E-06	2.123E-01	1.591E-03	2.597E-06	2.202E-02	1.429E-02	9.700E-11	0.	0.	1.100E+04	
3.633E-06	1.755E-01	9.291E-03	1.809E-06	6.194E-02	1.772E-06	1.515E-09	0.	0.	1.200E+04	
3.622E-06	1.303E-01	2.203E-06	1.062E-06	6.684E-02	1.705E-06	1.621E-08	0.	0.	1.300E+04	
2.889E-06	6.643E-02	4.500E-07	4.397E-07	< 0.050E-02	1.274E-06	1.220E-07	1.746E-20	0.	1.400E+04	
1.850E-06	6.920E-02	7.493E-06	2.053E-06	1.076E-01	7.569E-07	6.973E-07	1.304E-18	0.	1.500E+04	
1.020E-06	2.463E-02	1.337E-06	7.510E-06	1.167E-01	3.888E-07	3.229E-06	6.190E-17	0.	1.600E+04	
5.147E-07	1.422E-02	2.311E-06	2.716E-06	1.210E-01	1.886E-07	1.271E-05	2.004E-15	0.	1.700E+04	
2.533E-07	7.760E-03	6.634E-10	1.025E-06	1.230E-06	9.496E-08	4.108E-05	6.652E-16	0.	1.800E+04	
1.211E-07	6.411E-02	9.586E-11	6.121E-09	1.234E-06	6.405E-09	1.327E-06	8.047E-13	0.	1.900E+04	
6.540E-08	2.624E-03	2.341E-16	1.770E-09	1.240E-01	2.264E-04	3.646E-06	1.073E-11	0.	2.000E+04	
3.543E-08	1.624E-03	6.374E-12	6.072E-10	1.238E-01	1.213E-08	9.313E-06	1.134E-10	0.	2.100E+04	
1.988E-08	1.040E-02	1.914E-12	3.802E-12	1.226E-01	6.756E-09	2.158E-07	9.812E-10	0.	2.200E+04	
1.158E-08	6.689E-04	6.177E-13	1.907E-10	1.197E-01	3.868E-09	4.812E-03	7.010E-09	0.	2.300E+04	
7.005E-09	6.601E-06	2.096E-11	4.908E-11	1.147E-01	2.275E-09	9.080E-03	4.193E-08	0.	2.400E+04	
3.391E-09	3.347E-03	7.155E-16	6.059E-11	1.085E-01	1.349E-09	1.638E-02	2.110E-07	0.	2.500E+04	
2.045E-09	1.045E-06	2.617E-16	2.100E-11	6.673E-02	7.93CE-10	2.691E-02	6.952E-07	0.	2.600E+04	
1.889E-09	1.323E-06	7.422E-15	9.528E-12	7.991E-02	6.572E-10	6.010E-02	3.220E-06	0.	2.700E+04	
1.303E-09	6.256E-05	2.392E-15	3.850E-12	6.361E-02	2.564E-10	5.661E-02	9.933E-06	0.	2.800E+04	
9.150E-10	5.108E-05	4.927E-16	1.464E-12	4.852E-02	1.399E-02	4.799E-05	2.679E-05	0.	2.900E+04	
6.500E-10	2.497E-05	1.131E-15	5.171E-13	3.553E-02	7.676E-11	7.10E-02	6.657E-05	0.	3.000E+04	
6.150E-10	5.176E-05	1.796E-15	2.539E-12	3.955E-01	8.068E-11	1.421E-04	0.	3.100E+04		
3.592E-10	1.022E-05	1.642E-17	6.185E-14	1.792E-02	2.094E-11	9.448E-02	2.907E-04	0.	3.200E+04	
2.730E-10	6.037E-06	6.112E-10	2.190E-11	6.673E-02	7.93CE-10	2.691E-02	6.952E-07	0.	3.300E+04	
2.123E-10	1.613E-06	1.192E-10	7.640E-15	8.645E-03	1.021E-01	1.027E-03	2.618E-09	0.	3.400E+04	
1.676E-10	2.190E-06	3.574E-19	2.795E-15	6.308E-03	3.936E-12	1.035E-01	1.804E-03	9.730E-09	3.500E+04	
1.350E-10	1.366E-06	1.122E-19	1.467E-15	1.047E-02	4.652E-12	1.399E-01	4.799E-05	0.	3.600E+04	
1.150E-10	6.407E-07	3.667E-20	6.015E-16	4.015E-02	1.077E-12	1.077E-01	6.010E-05	0.	3.700E+04	
9.366E-11	5.294E-07	1.176E-20	1.568E-16	2.327E-03	6.196E-13	1.006E-01	7.753E-03	0.	3.800E+04	
7.753E-11	3.100E-07	3.917E-21	6.190E-17	1.675E-03	3.621E-13	9.668E-02	1.168E-02	1.067E-01	3.900E+04	
6.630E-11	2.135E-07	1.332E-21	2.699E-17	1.202E-03	9.127E-07	1.640E-02	2.806E-02	4.000E-04	4.000E+04	
5.766E-11	1.353E-07	6.508E-22	9.624E-18	6.531E-04	1.251E-13	8.610E-02	2.365E-02	6.966E-04	4.100E+04	
5.330E-11	4.511E-08	1.512E-22	3.726E-18	5.929E-04	7.374E-14	7.596E-02	3.115E-02	1.620E-05	4.200E+04	
6.455E-11	5.304E-08	6.994E-23	1.614E-18	4.150E-04	6.269E-14	6.668E-02	3.963E-02	3.500E-04	4.300E+04	
3.981E-11	3.249E-08	1.623E-23	5.263E-19	2.892E-04	2.662E-14	4.705E-02	4.676E-02	7.114E-05	4.400E+04	
3.560E-11	1.942E-08	5.175E-24	1.902E-19	1.905E-04	1.677E-14	4.766E-02	5.688E-02	1.359E-04	4.500E+04	
3.240E-11	1.232E-08	1.627E-23	6.780E-23	1.246E-04	7.980E-15	3.991E-02	6.452E-02	2.461E-04	4.600E+04	
2.946E-11	7.207E-09	5.070E-25	2.308E-20	8.355E-05	6.501E-15	3.141E-02	7.121E-02	6.249E-04	4.700E+04	
2.695E-11	6.306E-09	1.476E-25	8.361E-21	5.643E-05	2.532E-15	2.697E-02	7.672E-02	7.041E-04	4.800E+04	
2.474E-11	2.571E-09	6.913E-26	2.930E-21	3.592E-05	1.626E-15	1.961E-02	8.104E-02	1.120E-03	4.900E+04	
2.200E-11	1.533E-09	1.944E-26	1.032E-21	2.359E-05	8.051E-16	1.563E-02	8.621E-02	1.743E-03	5.000E+04	

 $P/P_0 = 1.00E+02$

$N =$	N	N_2	N_{20}	N_6	N_{10}	N_{200}	N_{600}	N_{1000}	N_{10000}	Γ
0.	0.	2.200E-01	6.379E-21	0.	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.665E-01	7.239E-21	0.	0.	0.	0.	0.	0.	6.700E+02
0.	3.364E-01	2.663E-01	1.061E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	9.063E-01	2.666E-01	1.202E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	2.562E-01	2.499E-01	1.667E-20	0.	0.	0.	0.	0.	0.	9.000E+02
0.	1.467E-01	2.500E-01	1.669E-20	0.	0.	0.	0.	0.	0.	1.000E+03
0.	2.727E-01	2.500E-01	1.602E-20	0.	0.	0.	0.	0.	0.	1.100E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	NH2	H	H2	H2+	H0
1.3305+03	0.	3.010E-08	7.447E-10	2.678E-13	5.927E-16	9.577E-01	7.932E-01	7.946E-19	5.457E-19
1.6000+03	0.	2.054E-09	1.007E-09	2.319E-12	2.093E-13	6.210E-08	7.909E-01	2.617E-19	5.996E-19
1.6300+03	1.449E+01	1.477E-05	2.474E-06	1.646E-11	8.862E-14	1.521E-04	7.400E-01	7.920E-19	6.417E-19
1.6600+03	1.639E+02	1.108E-05	9.702E-09	8.085E-11	1.965E-14	4.706E-05	7.500E-01	1.601E-19	6.743E-19
1.8000+03	1.776E+02	6.888E-06	1.714E-08	3.469E-10	4.892E-14	7.755E-04	7.499E-01	1.443E-19	6.999E-19
1.9000+03	4.173E+02	5.649E-06	3.865E-08	4.649E-10	2.778E-13	7.399E-06	7.499E-01	1.248E-19	7.202E-19
2.2000+03	1.972E+02	4.729E-06	6.662E-08	1.513E-09	6.524E-13	1.623E-01	7.484E-01	7.167E-19	7.711E-19
2.3000+03	2.561E+02	4.022E-06	1.021E-07	2.947E-10	8.276E-13	2.089E-01	7.484E-01	7.167E-19	2.441E-18
2.4000+03	1.714E+02	3.478E-06	1.550E-07	6.977E-10	1.592E-12	4.896E-01	7.475E-01	7.278E-19	2.007E-17
2.6000+03	1.125E+02	3.030E-06	2.766E-07	1.524E-07	2.361E-12	8.326E-03	7.427E-01	6.339E-17	1.622E-15
2.8000+03	8.729E+01	2.877E-06	3.199E-07	3.116E-07	3.726E-12	1.366E-02	7.781E-01	6.705E-16	8.810E-15
2.9000+03	5.088E+01	2.366E-06	6.368E-07	6.032E-07	9.668E-12	2.146E-02	7.313E-01	2.151E-15	2.889E-14
2.9300+03	1.331E+01	2.093E-06	5.749E-07	1.049E-06	8.246E-12	3.724E-02	7.214E-01	8.425E-15	1.250E-15
2.70 E+03	5.213E+01	1.845E-06	7.478E-07	1.905E-06	1.562E-11	4.772E-02	7.082E-01	3.098E-14	6.899E-14
2.8000+03	1.441E+01	1.439E-06	6.340E-07	1.147E-06	1.545E-11	6.788E-02	7.040E-01	1.014E-17	1.730E-17
2.9300+03	9.259E+00	1.633E-06	1.145E-06	5.049E-06	2.081E-11	9.337E-02	6.680E-01	3.042E-17	5.650E-17
3.1000+03	1.728E+01	1.244E-06	7.774E-06	7.774E-06	2.646E-11	1.260E-01	8.497E-01	8.419E-17	1.622E-17
3.1300+03	6.676E+01	1.361E-06	1.570E-06	1.613E-05	3.253E-11	1.650E-01	6.050E-01	2.162E-17	6.730E-17
3.2000+03	1.249E+01	9.921E-07	1.761E-06	1.623E-05	3.863E-11	2.104E-01	6.655E-01	6.178E-12	1.276E-10
3.3000+03	7.143E+01	7.313E-07	1.631E-06	1.614E-05	2.646E-11	4.423E-01	2.288E-01	5.721E-13	1.027E-10
3.4000+03	7.264E+01	6.848E-07	7.277E-06	2.693E-05	6.694E-11	3.190E-01	6.711E-01	2.445E-11	3.012E-10
3.4000+03	1.474E+01	6.523E-07	3.279E-06	1.804E-05	5.122E-11	2.004E-01	4.271E-01	6.405E-11	1.761E-09
3.6000+02	3.313E+02	3.649E-08	6.707E-06	4.454E-05	5.567E-11	4.624E-01	7.629E-01	6.120E-11	3.226E-09
3.7000+02	6.545E+02	7.559E-07	9.322E-06	9.470E-05	5.647E-11	5.177E-01	7.795E-01	7.618E-10	6.444E-08
3.8000+02	1.263E+02	1.803E-07	1.085E-05	7.063E-05	5.252E-11	5.617E-01	7.589E-01	1.254E-08	1.254E-08
3.9000+02	6.374E+02	1.337E-07	1.733E-06	9.226E-05	6.987E-11	5.173E-01	6.629E-01	4.627E-10	2.377E-08
4.1000+02	6.433E+02	6.372E-07	9.359E-08	1.560E-05	6.635E-11	6.600E-01	7.227E-01	6.848E-10	4.075E-08
4.2000+02	7.191E+02	6.166E-07	1.947E-06	1.048E-04	6.773E-11	6.944E-01	7.193E-01	1.022E-09	6.939E-08
4.3000+02	1.272E+02	1.232E-07	2.320E-06	1.872E-04	1.018E-11	7.711E-01	1.080E-01	1.675E-09	1.154E-07
4.4000+02	1.651E+02	1.787E+00	2.048E-06	4.454E-05	5.567E-11	6.624E-01	7.629E-01	6.120E-11	3.226E-09
4.6000+02	1.307E+02	1.969E+00	1.217E-06	7.467E-04	7.931E-11	7.786E-01	7.795E-01	7.618E-10	6.444E-08
4.6500+02	6.655E+02	1.256E-07	7.755E-07	1.659E-06	2.666E-11	7.494E-01	8.177E-01	7.705E-09	6.110E-07
4.7000+02	7.034E+02	9.657E-07	8.685E-07	1.593E-06	2.380E-11	8.326E-01	6.421E-01	6.495E-09	6.918E-07
4.8000+02	1.207E+02	9.711E-07	9.211E-07	1.030E-06	2.156E-11	6.208E-01	7.295E-01	6.643E-09	6.767E-08
4.9000+02	6.211E+02	6.761E-07	6.270E-07	1.648E-05	8.740E-11	8.239E-01	6.267E-01	6.267E-09	1.315E-06
5.0000+02	1.610E+02	1.671E-07	6.279E-07	1.648E-05	8.740E-11	8.740E-01	1.000E-01	1.675E-09	1.675E-07
5.2000+02	1.144E+02	3.063E-07	1.279E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.3000+02	1.212E+02	5.271E-07	2.766E-07	1.279E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.4000+02	1.423E+02	1.671E-07	1.747E-07	1.648E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.5000+02	1.433E+02	1.669E-07	1.669E-07	1.646E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.6000+02	1.514E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.7000+02	1.606E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.8000+02	1.616E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
5.9000+02	1.626E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.0000+02	1.636E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.1000+02	1.646E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.2000+02	1.656E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.3000+02	1.666E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.4000+02	1.676E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.5000+02	1.686E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.6000+02	1.696E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.7000+02	1.706E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.8000+02	1.716E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
6.9000+02	1.726E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.0000+02	1.736E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.1000+02	1.746E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.2000+02	1.756E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.3000+02	1.766E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.4000+02	1.776E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.5000+02	1.786E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.6000+02	1.796E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.7000+02	1.806E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.8000+02	1.816E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
7.9000+02	1.826E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.0000+02	1.836E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.1000+02	1.846E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.2000+02	1.856E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.3000+02	1.866E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.4000+02	1.876E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.5000+02	1.886E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.6000+02	1.896E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.7000+02	1.906E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.8000+02	1.916E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
8.9000+02	1.926E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
9.0000+02	1.936E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
9.1000+02	1.946E+02	6.334E-07	1.642E-07	2.159E-06	1.646E-11	9.747E-01	1.674E-01	2.466E-09	1.260E-06
9.2000+02	1.956E+02	6.334E-07	1.642E-07	2.159E-06					

TABLE II.- Continued

N-	N	N2	N2+	N6	N-	N6+	N6+	N6++	T
0.	8.360E-17	2.500E-01	1.155E-20	4.925E-32	0.	0.	0.	0.	1.300E+03
0.	1.900E-15	2.530E-01	1.030E-20	5.260E-31	0.	0.	0.	0.	1.400E+03
0.	3.041E-14	2.500E-01	9.166E-21	4.040E-30	0.	0.	0.	0.	1.500E+03
0.	3.365E-13	2.500E-01	8.104E-21	2.366E-29	0.	0.	0.	0.	1.600E+03
C.	2.779E-12	2.500E-01	7.344E-21	1.133E-20	0.	0.	0.	0.	1.700E+03
1.661E-26	1.527E-11	2.500E-01	6.632E-21	6.506E-20	0.	0.	0.	0.	1.800E+03
1.304E-23	1.564E-11	2.499E-01	6.315E-21	1.617E-20	0.	0.	0.	0.	1.900E+03
0.733E-22	.502E-10	2.498E-01	1.796E-20	1.519E-20	6.516E-30	0.	0.	0.	2.000E+03
1.353E-20	1.779E-39	2.497E-01	1.339E-19	3.341E-25	2.675E-20	0.	0.	0.	2.100E+03
1.431E-19	6.210E-39	2.496E-01	9.516E-19	6.360E-24	6.873E-27	0.	0.	0.	2.200E+03
1.213E-18	1.544E-08	2.495E-01	5.756E-18	5.481E-23	1.310E-25	0.	0.	0.	2.300E+03
0.565E-18	5.533E-38	2.493E-01	3.037E-17	1.135E-21	4.946E-24	0.	0.	0.	2.400E+03
5.153E-17	1.444E-07	2.473E-01	1.399E-16	1.117E-20	2.323E-23	0.	0.	0.	2.500E+03
2.606E-16	3.521E-07	2.459E-01	5.735E-16	9.234E-20	2.266E-22	0.	0.	0.	2.600E+03
1.233E-15	4.005E-07	2.446E-01	2.119E-15	6.544E-19	1.888E-21	0.	0.	0.	2.700E+03
5.052E-15	1.717E-06	2.415E-01	7.139E-15	4.041E-18	1.336E-20	0.	0.	0.	2.800E+03
1.059E-14	3.477E-06	2.303E-01	2.215E-14	2.204E-17	8.220E-20	0.	0.	0.	2.900E+03
0.197E-14	6.715E-36	2.342E-01	6.379E-16	1.078E-16	4.452E-19	0.	0.	0.	3.000E+03
1.892E-13	1.246E-05	2.294E-01	1.715E-13	4.760E-16	2.147E-18	0.	0.	0.	3.100E+03
5.314E-13	2.195E-05	2.234E-01	4.336E-13	1.927E-15	9.309E-18	0.	0.	0.	3.200E+03
1.304E-12	3.756E-25	2.171E-01	1.030E-12	7.182E-15	3.662E-17	0.	0.	0.	3.300E+03
3.326E-24	6.201E-05	2.100E-01	2.363E-12	2.407E-14	1.317E-16	0.	0.	0.	3.400E+03
7.527E-12	9.925E-05	2.024E-01	5.164E-12	8.050E-16	4.360E-16	0.	0.	0.	3.500E+03
1.508E-11	1.595E-04	1.964E-01	1.077E-11	2.460E-13	1.338E-15	0.	0.	0.	3.600E+03
3.149E-11	2.344E-04	1.867E-01	2.176E-11	7.113E-12	3.891E-15	0.	0.	0.	3.700E+03
5.899E-11	3.477E-04	1.774E-01	4.267E-11	1.959E-12	1.029E-14	0.	0.	0.	3.800E+03
1.046E-10	5.054E-04	1.729E-01	8.145E-11	5.160E-12	2.600E-14	0.	0.	0.	3.900E+03
1.774E-10	7.221E-04	1.670E-01	1.519E-10	1.303E-11	6.271E-14	0.	0.	0.	4.000E+03
2.876E-10	1.015E-03	1.619E-01	2.771E-10	3.179E-11	1.430E-13	0.	0.	0.	4.100E+03
4.488E-10	1.605E-03	1.574E-01	4.456E-10	7.472E-11	3.156E-13	0.	0.	0.	4.200E+03
6.773E-10	1.920E-03	1.560E-01	6.694E-10	1.698E-10	6.654E-13	0.	0.	0.	4.300E+03
9.929E-10	2.590E-03	1.515E-01	1.497E-09	9.737E-10	1.355E-12	0.	0.	0.	4.400E+03
1.415E-09	3.511E-03	1.484E-01	2.520E-09	7.974E-10	2.664E-12	0.	0.	0.	4.500E+03
1.984E-08	6.565E-03	1.462E-01	4.192E-09	1.652E-09	5.070E-12	0.	0.	0.	4.600E+03
2.722E-08	9.510E-03	1.441E-01	6.822E-09	3.324E-09	9.405E-12	0.	0.	0.	4.700E+03
3.665E-08	7.624E-03	1.422E-01	1.940E-08	6.510E-09	1.695E-11	0.	0.	0.	4.800E+03
4.882E-08	7.170E-03	1.402E-01	1.711E-08	1.242E-08	2.978E-11	0.	0.	0.	4.900E+03
6.361E-08	1.220E-02	1.380E-01	2.637E-08	2.309E-08	5.108E-11	0.	0.	0.	5.000E+03
1.049E-08	1.695E-02	1.335E-01	5.939E-08	7.430E-08	1.404E-10	0.	0.	0.	5.200E+03
1.657E-08	2.021E-02	1.277E-01	1.248E-07	2.184E-07	3.551E-10	0.	0.	0.	5.400E+03
2.522E-08	4.046E-02	1.203E-01	2.451E-07	5.904E-07	8.324E-10	0.	0.	0.	5.600E+03
3.714E-08	5.605E-02	1.112E-01	4.494E-07	1.474E-06	1.816E-09	9.166E-25	0.	0.	5.800E+03
5.312E-08	7.487E-02	1.030E-01	7.695E-07	3.416E-06	7.312E-09	1.007E-23	0.	0.	6.000E+03
7.406E-08	9.650E-02	8.705E-02	1.229E-06	7.367E-06	7.114E-09	9.210E-23	0.	0.	6.200E+03
1.009E-07	1.204E-01	7.437E-02	1.024E-06	1.443E-05	1.202E-06	7.330E-22	0.	0.	6.400E+03
1.347E-07	1.433E-01	6.606E-02	2.530E-06	2.797E-05	2.174E-06	4.986E-21	0.	0.	6.600E+03
1.767E-07	1.665E-01	4.738E-02	3.288E-06	4.959E-05	3.496E-06	2.955E-20	0.	0.	6.800E+03
2.281E-07	1.867E-01	3.637E-02	4.000E-06	8.330E-05	5.327E-08	1.546E-19	0.	0.	7.000E+03
2.903E-07	2.033E-01	2.649E-02	4.604E-06	1.323E-04	7.762E-08	7.221E-19	0.	0.	7.200E+03
3.647E-07	2.163E-01	1.901E-02	5.063E-06	2.019E-04	1.380E-07	7.351E-18	0.	0.	7.400E+03
4.527E-07	2.250E-01	1.345E-02	5.370E-06	2.968E-04	1.456E-07	1.179E-17	0.	0.	7.600E+03
5.556E-07	2.326E-01	9.448E-03	5.563E-06	6.234E-04	1.906E-07	4.211E-17	0.	0.	7.800E+03
6.745E-07	2.372E-01	6.635E-03	5.653E-06	9.807E-04	2.439E-07	1.472E-16	0.	0.	8.000E+03
8.105E-07	2.420E-01	4.677E-03	5.812E-06	8.014E-04	3.059E-06	4.384E-16	0.	0.	8.200E+03
9.644E-07	2.421E-01	3.320E-03	5.844E-06	1.071E-03	3.774E-07	1.205E-15	0.	0.	8.400E+03
1.137E-06	2.421E-01	2.376E-03	5.852E-06	1.409E-03	4.590E-07	3.630E-15	0.	0.	8.600E+03
1.328E-06	2.435E-01	1.716E-03	5.497E-06	1.827E-03	5.510E-07	9.703E-15	0.	0.	8.800E+03
1.519E-06	2.534E-01	1.251E-03	5.397E-06	2.339E-03	6.533E-07	2.448E-14	0.	0.	9.000E+03
1.709E-06	2.429E-01	9.235E-04	2.305E-06	2.598E-03	7.670E-07	6.093E-14	0.	0.	9.200E+03
2.017E-06	4.420E-01	6.031E-04	5.104E-06	3.702E-03	8.924E-07	1.640E-13	0.	0.	9.400E+03
2.292E-06	2.372E-01	5.110E-04	5.035E-06	4.580E-03	1.028E-06	3.207E-13	0.	0.	9.600E+03
2.564E-06	2.391E-01	4.052E-04	4.906E-06	5.624E-03	1.173E-06	7.240E-13	0.	0.	9.800E+03
2.859E-06	2.371E-01	2.923E-04	4.750E-06	6.837E-03	1.327E-06	1.547E-12	0.	0.	1.000E+04
4.450E-06	2.213E-01	7.931E-05	3.953E-06	1.605E-02	2.171E-06	4.550E-11	0.	0.	1.100E+04
5.846E-06	1.946E-01	2.202E-05	3.005E-06	3.140E-02	2.903E-06	7.675E-10	0.	0.	1.200E+04
6.445E-06	1.370E-01	8.391E-06	2.010E-06	5.252E-02	3.155E-06	8.310E-09	4.415E-23	0.	1.300E+04
5.905E-06	1.136E-01	1.631E-06	1.148E-06	7.568E-02	2.762E-06	6.330E-08	5.634E-21	0.	1.400E+04
4.491E-06	7.470E-02	3.688E-07	5.562E-07	9.575E-02	1.942E-06	3.653E-07	6.017E-19	0.	1.500E+04
2.855E-06	4.482E-02	7.576E-08	2.372E-07	1.095E-01	1.174E-06	1.689E-06	1.804E-17	0.	1.600E+04
1.656E-06	2.570E-02	1.915E-08	9.503E-08	1.171E-01	6.307E-07	6.581E-06	5.535E-16	0.	1.700E+04
0.887E-07	1.466E-02	3.154E-09	3.804E-08	1.210E-01	3.239E-07	2.239E-05	1.243E-14	0.	1.800E+04
4.667E-07	8.542E-03	7.171E-10	1.501E-08	1.228E-01	1.663E-07	6.800E-05	2.099E-13	0.	1.900E+04
2.502E-07	5.140E-03	1.803E-10	6.923E-09	1.230E-01	8.746E-08	1.870E-04	2.761E-12	0.	2.000E+04
1.372E-07	3.219E-03	5.019E-11	3.203E-09	1.230E-01	4.758E-08	4.711E-04	2.907E-11	0.	2.100E+04
7.769E-08	2.085E-03	1.534E-11	1.957E-09	1.233E-01	2.682E-08	1.096E-03	2.510E-10	0.	2.200E+04
4.556E-08	1.392E-03	9.071E-12	7.881E-10	1.221E-01	1.563E-08	2.36AF-03	1.811E-09	0.	2.300E+04
2.762E-08	9.512E-04	1.703E-12	4.095E-10	1.195E-01	9.354E-09	4.766E-03	1.100E-08	0.	2.400E+04
1.731E-08	6.594E-04	6.930E-13	2.145E-10	1.149E-01	5.706E-09	8.917E-03	5.793E-08	0.	2.500E+04
1.119E-08	4.580E-04	2.429E-13	1.111E-10	1.076E-01	3.510E-09	1.547E-02	2.608E-07	0.	2.600E+04
7.461E-09	3.159E-04	8.933E-14	5.940E-11	9.714E-02	2.152E-09	2.477E-02	1.011E-06	0.	2.700E+04
5.114E-09	2.134E-04	3.198E-14	2.620E-11	8.400E-02	1.302E-09	3.667E-02	3.390E-06	0.	2.800E+04
3.595E-09	1.006E-04	1.093E-14	1.163E-11	6.930E-02	7.713E-10	4.950E-02	9.91DE-06	0.	2.900E+04
2.586E-09	9.023E-05	3.557E-15	4.047E-12	5.404E-02	4.665E-10	6.239E-02	2.576E-05	0.	3.000E+04
1.899E-09	5.667E-05	1.121E-15	1.923E-12	4.105E-02	2.935E-10	7.391E-02	6.023E-05	0.	3.100E+04
1.422E-09	3.512E-05	3.451E-16	7.302E-13	3.113E-02	1.922E-10	8.333E-02	1.291E-04	0.	3.200E+04
1.086E-09	2.163E-05	1.057E-16	2.794E-13	2.281E-02	7.952E-11	9.061E-02	2.579E-04	1.341F-10	3.300E+04
8.440E-10	1.337E-05	3.273E-17							

TABLE II.- Continued

T	E-	NM3	NM2	NM	N2M2	M	H2	H2+	H+
3.500E+00	5.503E-01	4.734E-35	1.569E-25	5.578E-15	0.	5.145E-04	4.625E-14	1.231E-09	3.367E-01
3.600E+00	5.521E-01	1.271E-34	5.697E-26	2.622E-15	0.	4.575E-04	7.942E-11	9.497E-10	3.755E-01
3.700E+00	5.536E-01	0.	2.141E-26	1.260E-15	0.	4.112E-04	1.910E-14	7.586E-10	3.344E-01
3.800E+00	5.551E-01	0.	8.310E-27	6.191E-16	0.	3.584E-04	1.263E-14	6.177E-10	3.222E-01
3.900E+00	5.566E-01	0.	3.322E-27	3.130E-16	0.	3.220E-04	8.498E-15	4.981E-10	3.372E-01
4.000E+00	5.584E-01	0.	1.362E-27	1.978E-15	0.	2.911E-04	5.809E-15	4.084E-10	3.109E-01
4.130E+00	5.635E-01	0.	4.736E-28	8.132E-17	0.	2.644E-04	4.029E-15	3.270E-10	3.279E-01
4.270E+00	5.631E-01	0.	2.433E-29	4.226E-17	0.	2.412E-04	2.817E-14	2.798E-10	3.274E-01
4.330E+00	5.661E-01	0.	1.047E-28	2.270E-17	0.	2.239E-04	2.016E-15	2.335E-10	3.252E-01
4.400E+00	5.694E-01	0.	4.547E-29	1.153E-17	0.	2.030E-04	1.457E-15	1.949E-10	3.227E-01
4.500E+00	5.717E-01	0.	1.985E-29	6.016E-18	0.	1.972E-04	1.057E-15	1.647E-10	3.220E-01
4.600E+00	5.767E-01	0.	8.692E-30	3.130E-18	0.	1.731E-04	7.783E-16	1.398E-10	3.173E-01
4.700E+00	5.803E-01	0.	3.870E-30	1.474E-18	0.	1.606E-04	5.786E-16	1.197E-10	3.146E-01
4.840E+00	5.837E-01	0.	1.685E-30	6.414E-19	0.	1.493E-04	4.344E-16	1.020E-10	3.121E-01
4.970E+00	5.867E-01	0.	7.477E-31	4.360E-19	0.	1.392E-04	3.293E-16	8.784E-11	3.098E-01
5.030E+00	5.396E-01	0.	3.343E-31	2.264E-19	0.	1.301E-04	2.517E-16	7.605E-11	3.079E-01

P/PD = 2.00E+00

T	E-	NM3	NM2	NM	N2M2	M	H2	H2+	H+
9.000E+02	0.	1.474E-01	1.127E-20	1.370E-34	4.040E-29	3.965E-21	6.395E-01	9.701E-19	2.380E-21
6.000E+02	0.	2.400E-02	1.047E-17	8.791E-29	2.220E-25	2.812E-17	7.320E-01	8.564E-19	1.064E-20
7.000E+02	0.	5.334E-03	1.198E-15	1.130E-26	8.616E-23	1.5550E-14	9.616E-01	8.116E-19	3.392E-20
8.000E+02	0.	1.639E-03	4.046E-14	1.367E-21	7.253E-21	1.778E-12	7.459E-01	7.597E-19	7.979E-20
9.000E+02	0.	6.407E-04	6.291E-13	3.380E-19	2.256E-19	7.170E-11	7.455E-01	6.877E-19	1.469E-19
1.100E+03	0.	2.949E-04	5.639E-12	2.784E-17	3.519E-18	1.391E-09	7.498E-01	6.022E-19	2.333E-19
1.200E+03	0.	1.593E-03	3.215E-11	1.025E-15	3.333E-17	1.584E-08	7.499E-01	5.161E-19	3.215E-19
1.300E+03	0.	6.020E-05	4.894E-10	2.637E-13	1.067E-15	6.772E-07	7.500E-01	3.624E-19	3.624E-19
1.400E+03	8.026E-03	6.108E-05	1.424E-09	2.333E-12	4.184E-15	2.977E-06	7.530E-01	3.045E-19	5.362E-19
1.500E+03	0.	2.953E-05	3.591E-09	1.546E-11	4.372E-14	1.077E-05	7.500E-01	2.576E-19	5.822E-19
1.600E+03	1.405L-02	2.215E-05	8.043E-09	8.056E-11	3.891E-14	3.326E-05	7.500E-01	2.201E-19	6.200E-19
1.700E+03	1.391E-05	1.722E-05	1.646E-08	3.469E-10	9.764E-16	9.012E-05	7.498E-01	1.901E-19	6.510E-19
1.800E+03	6.501E-03	1.378E-05	3.104E-08	1.269E-09	2.227E-13	2.190E-04	7.498E-01	1.659E-19	6.769E-19
1.900E+03	1.575E-20	1.130E-05	5.473E-08	4.050E-09	4.657E-10	4.052E-04	7.498E-01	1.409E-19	7.100E-19
2.000E+03	1.044E-18	9.466E-08	9.117E-08	1.515E-08	9.036E-13	9.498E-04	7.491E-01	2.899E-19	1.590E-18
2.100E+03	1.297E-17	8.067E-06	1.446E-07	2.959E-08	1.657E-12	1.903E-03	7.498E-01	1.699E-19	1.182E-17
2.200E+03	6.039E-16	6.197E-06	2.197E-07	6.981E-08	2.871E-12	3.436E-03	7.470E-01	1.302E-17	9.101E-17
2.300E+03	6.810E-16	6.102E-06	3.213E-07	1.527E-07	7.741E-12	5.894E-03	7.644E-01	7.733E-17	6.007E-16
2.400E+03	3.817E-15	5.387E-06	4.595E-07	3.127E-07	7.501E-12	9.668E-03	7.615E-01	3.973E-16	3.603E-15
2.500E+03	1.867E-14	4.749E-06	6.233E-07	6.034E-07	1.142E-11	5.232E-03	7.367E-01	1.792E-15	1.681E-14
2.600E+03	6.097E-14	4.757E-06	8.310E-07	1.105E-06	1.676E-11	2.314E-02	7.297E-01	7.190E-15	7.333E-16
2.700E+03	3.153E-13	4.823E-06	1.079E-06	1.928E-06	3.808E-11	3.403E-02	7.202E-01	2.699E-14	2.886E-13
2.800E+03	1.115E-12	3.116E-06	1.346E-06	3.221E-06	3.273E-11	4.856E-02	7.075E-01	8.570E-14	1.027E-12
2.900E+03	3.612E-12	3.043E-06	1.686E-06	5.170E-06	4.365E-11	6.701E-02	6.910E-01	2.958E-13	3.351E-12
3.000E+03	1.082E-11	2.693E-06	2.033E-06	7.994E-06	5.646E-11	9.1119E-02	6.702E-01	7.555E-13	1.009E-11
3.100E+03	3.915E-11	2.363E-06	2.391E-06	1.193E-05	7.093E-11	1.204E-01	6.446E-01	1.887E-12	2.029E-11
3.200E+03	7.070E-01	2.050E-06	2.745E-06	1.724E-06	8.631E-11	3.553E-01	6.161E-01	4.599E-12	7.423E-11
3.300E+03	1.434E-10	1.753E-06	3.075E-06	2.412E-05	1.021E-10	9.765E-01	5.785E-01	1.049E-11	1.833E-10
3.400E+03	4.594E-10	1.747E-06	3.350E-06	3.276E-05	1.172E-10	5.302E-01	5.302E-01	2.259E-11	4.279E-10
3.500E+03	9.919E-01	1.216E-06	3.575E-06	4.322E-05	1.306E-10	3.927E-01	4.930E-01	4.597E-11	9.488E-10
3.600E+03	2.087E-09	9.024E-07	3.710E-06	9.548E-05	4.411E-10	3.446E-01	4.644E-01	8.076E-11	2.005E-09
3.700E+03	4.200E-09	7.764E-07	3.753E-06	6.939E-05	4.482E-10	4.032E-01	3.971E-01	1.630E-10	4.051E-09
3.800E+03	6.110E-09	5.999E-07	3.703E-06	4.468E-05	5.131E-10	4.597E-01	3.474E-01	2.894E-10	7.050E-09
3.900E+03	1.507E-08	5.534E-07	3.570E-06	1.010E-04	5.050E-10	5.130E-01	2.994E-01	4.778E-10	1.463E-08
4.000E+03	2.701E-08	3.354E-07	3.167E-06	1.100E-04	4.462E-10	5.667E-01	2.539E-01	7.669E-10	2.631E-08
4.100E+03	4.684E-08	2.639E-07	3.114E-06	1.354E-04	3.932E-10	6.142E-01	2.123E-01	4.184E-09	4.575E-08
4.200E+03	7.080E-08	1.746E-07	2.833E-06	1.928E-06	3.130E-10	6.583E-01	1.753E-01	1.765E-09	7.713E-08
4.300E+03	1.249E+03	1.235E-07	2.542E-06	1.700E-04	2.023E-10	6.926E-01	1.433E-01	2.548E-09	1.264E-07
4.400E+03	2.055E-07	6.668E-06	2.256E-06	1.808E-06	1.098E-06	7.233E-01	1.163E-01	3.379E-09	2.010E-07
4.500E+03	3.200E-07	6.059E-08	1.907E-06	2.033E-04	9.949E-11	7.486E-01	9.399E-02	4.892E-09	3.144E-07
4.600E+03	4.679E-07	4.130E-06	1.740E-06	2.194E-04	9.695E-11	7.671E-01	7.572E-02	6.591E-09	4.799E-07
4.700E+03	7.294E-07	2.958E-08	1.919E-06	2.391E-04	8.048E-11	7.855E-01	6.096E-02	8.606E-09	7.176E-07
4.800E+03	1.071E-06	2.077E-08	1.324E-06	2.503E-04	7.209E-11	7.955E-01	4.916E-02	1.112E-08	1.053E-06
4.900E+03	1.547E-06	1.666E-08	1.133E-06	2.650E-04	6.450E-11	8.086E-01	3.973E-02	1.419E-08	1.521E-06
5.000E+03	2.201E-06	1.061E-08	1.006E-06	2.793E-04	5.766E-11	8.164E-01	3.222E-02	1.770E-08	2.161E-06
5.100E+03	4.274E-06	5.362E-09	7.630E-07	3.066E-04	6.066E-11	8.266E-01	2.146E-02	2.714E-08	4.180E-06
5.200E+03	7.904E-06	2.843E-09	5.840E-07	3.109E-04	3.676E-11	8.316E-01	1.593E-02	3.985E-08	7.683E-06
5.300E+03	1.401E-05	1.550E-09	4.648E-07	3.522E-04	2.921E-11	8.328E-01	1.006E-02	5.666E-08	1.350E-05
5.400E+03	2.390E-05	8.648E-10	3.454E-07	3.693E-04	2.307E-11	8.311E-01	7.091E-03	7.006E-08	2.276E-05
5.500E+03	3.943E-05	4.722E-10	2.664E-07	3.811E-04	1.003E-11	8.271E-01	5.081E-03	1.049E-07	3.699E-05
5.600E+03	6.313E-05	2.895E-10	2.050E-07	3.867E-04	1.308E-11	8.212E-01	3.699E-03	1.176E-07	5.812E-05
5.800E+03	9.837E-05	1.666E-10	1.570E-07	3.853E-04	1.049E-11	8.137E-01	2.732E-03	1.766E-07	8.899E-05
6.000E+03	1.496E-04	9.814E-11	1.195E-07	3.767E-04	7.743E-12	8.051E-01	2.047E-03	2.225E-07	1.314E-04
6.200E+03	2.223E-04	5.829E-11	9.036E-08	3.612E-04	5.577E-12	7.960E-01	1.559E-03	2.759E-07	1.901E-04
6.400E+03	3.236E-04	1.275E-11	6.781E-08	3.398E-04	5.916E-12	7.870E-01	1.198E-03	3.176E-07	2.694E-04
6.600E+03	4.620E-04	2.097E-11	5.059E-08	3.140E-04	2.606E-12	7.704E-01	9.365E-04	4.080E-07	3.745E-04
6.800E+03	6.770E-04	1.275E-11	3.759E-08	2.859E-04	1.006E-12	7.713E-01	7.425E-04	4.910E-07	5.125E-04
7.000E+03	8.823E-04	7.811E-12	2.789E-08	2.571E-04	1.198E-12	7.651E-01	5.970E-04	5.666E-07	6.009E-04
7.200E+03	1.210E-03	4.855E-12	2.073E-08	2.293E-04	7.877E-13	7.602E-01	4.064E-04	6.953E-07	9.196E-04
7.400E+03	1.617E-03	3.099E-12	1.947E-08	2.034E-04	5.170E-13	7.592E-01			

TABLE II.- Continued

H+	N	N2	N2+	N+	N-	N++	N+++	N++++	T
6.680E-10	6.323E-06	1.036E-17	4.060E-14	1.206E-02	2.520E-11	9.960E-02	8.717E-04	2.364E-09	3.500E+04
5.378E-10	5.233E-06	3.352E-18	1.585E-14	8.785E-03	1.450E-11	1.017E-01	1.530E-03	8.692E-09	3.600E+04
4.401E-10	3.329E-06	1.118E-18	0.323E-15	6.428E-03	8.441E-12	1.027E-01	2.485E-03	2.959E-08	3.700E+04
3.659E-10	2.141E-06	3.836E-19	2.574E-15	4.726E-03	4.983E-12	1.025E-01	3.977E-03	9.373E-08	3.800E+04
3.086E-10	1.390E-06	1.339E-19	1.067E-15	3.484E-03	2.979E-12	1.012E-01	6.152E-03	2.774E-07	3.900E+04
2.638E-10	9.093E-07	4.834E-20	4.474E-16	2.575E-03	1.199E-12	9.863E-02	9.200E-03	3.688E-07	4.000E+04
2.284E-10	5.970E-07	1.755E-20	1.891E-16	1.899E-03	1.096E-12	9.468E-02	1.329E-02	1.997E-06	4.100E+04
2.000E-10	3.921E-07	6.412E-21	7.985E-17	1.394E-03	6.682E-13	8.932E-02	1.851E-02	4.866E-06	4.200E+04
1.768E-10	2.567E-07	2.339E-21	3.339E-17	1.016E-03	4.080E-13	8.261E-02	2.448E-02	1.113E-05	4.300E+04
1.576E-10	1.670E-07	8.666E-22	1.345E-17	7.375E-04	2.482E-13	7.477E-02	3.211E-02	2.392E-05	4.400E+04
1.419E-10	1.077E-07	3.026E-22	5.637E-18	5.220E-04	1.502E-13	6.619E-02	3.998E-02	4.867E-05	4.500E+04
1.265E-10	6.883E-08	1.067E-22	2.252E-18	3.674E-04	9.019E-14	5.732E-02	4.879E-02	9.279E-05	4.670E+04
1.170E-10	4.358E-08	3.707E-23	4.836E-19	2.557E-04	5.376E-14	4.866E-02	5.584E-02	1.687E-04	4.700E+04
1.071E-10	2.737E-08	1.274E-23	3.417E-19	1.762E-04	3.184E-14	4.058E-02	6.303E-02	2.925E-04	4.800E+04
9.840E-11	1.710E-08	4.343E-24	1.308E-19	1.206E-04	1.877E-14	3.335E-02	6.937E-02	4.865E-04	4.900E+04
9.074E-11	1.064E-08	1.477E-24	4.978E-20	8.215E-05	1.104E-14	2.709E-02	7.470E-02	7.799E-04	5.000E+04

P/P0 = 2.00E+00

H+	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	2.132E-01	4.635E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.440E-01	7.355E-21	0.	0.	0.	0.	0.	6.000E+02
0.	2.362E-33	2.487E-01	1.061E-20	0.	0.	0.	0.	0.	7.000E+02
0.	6.406E-29	2.496E-01	1.353E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.811E-25	2.498E-01	1.552E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.052E-22	2.499E-01	1.636E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.928E-20	2.500E-01	1.670E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.484E-18	2.500E-01	1.518E-20	0.	0.	0.	0.	0.	1.200E+03
0.	5.911E-17	2.500E-01	1.422E-20	4.288E-32	0.	0.	0.	0.	1.300E+03
0.	1.390E-15	2.510E-01	1.297E-20	4.693E-31	0.	0.	0.	0.	1.400E+03
0.	2.150E-14	2.500E-01	1.176E-20	3.673E-30	0.	0.	0.	0.	1.500E+03
0.	2.345E-13	2.500E-01	1.066E-20	2.197E-29	0.	0.	0.	0.	1.600E+03
0.	1.965E-12	2.500E-01	9.673E-21	1.056E-28	0.	0.	0.	0.	1.700E+03
1.939E-26	1.292E-11	2.530E-01	8.815E-21	4.235E-28	0.	0.	0.	0.	1.800E+03
7.047E-24	6.976E-11	2.499E-01	8.216E-21	1.484E-27	C.	0.	0.	0.	1.900E+03
6.706E-22	3.164E-10	2.499E-01	1.653E-23	9.888E-27	5.000E-30	0.	0.	0.	2.000E+03
1.146E-20	1.23dE-09	2.498E-01	1.116E-19	1.96dE-25	2.275E-28	0.	0.	0.	2.100E+03
1.224E-19	4.392E-09	2.496E-01	7.859E-19	3.706E-24	5.800E-27	0.	0.	0.	2.200E+03
1.040E-18	1.376E-08	2.493E-01	4.783E-16	5.539E-23	1.123E-25	0.	0.	0.	2.300E+03
7.342E-18	3.910E-08	2.468E-01	2.515E-17	6.13dE-22	1.667E-24	0.	0.	0.	2.400E+03
4.426E-17	1.026E-07	2.481E-01	1.595E-16	6.533E-21	1.990E-23	0.	0.	0.	2.500E+03
2.314E-16	2.471E-07	2.471E-01	4.762E-16	5.413E-20	1.957E-22	0.	0.	0.	2.600E+03
1.066E-15	5.63dE-07	2.457E-01	1.763E-15	3.839E-19	1.621E-21	0.	0.	0.	2.700E+03
4.377E-15	1.710E-06	2.439E-01	5.952E-15	2.372E-18	1.150E-20	0.	0.	0.	2.800E+03
1.621E-14	2.475E-06	2.416E-01	1.849E-14	1.295E-17	7.097E-20	0.	0.	0.	2.900E+03
5.663E-14	4.106E-06	2.386E-01	5.337E-14	6.329E-17	3.662E-19	0.	0.	0.	3.000E+03
1.663E-13	6.076E-06	2.349E-01	1.441E-13	2.798E-16	1.074E-18	0.	0.	0.	3.100E+03
4.809E-13	1.579E-05	2.306E-01	3.651E-13	1.130E-15	8.180E-18	0.	0.	0.	3.200E+03
1.272E-12	2.707E-05	2.255E-01	8.751E-13	4.201E-15	3.230E-17	0.	0.	0.	3.300E+03
3.135E-12	4.466E-05	2.197E-01	1.994E-12	1.451E-14	1.181E-16	0.	0.	0.	3.400E+03
7.238E-12	7.206E-05	2.113E-01	4.340E-12	4.661E-14	3.956E-16	0.	0.	0.	3.500E+03
1.570E-11	1.125E-04	2.065E-01	9.001E-12	1.421E-13	1.229E-15	0.	0.	0.	3.600E+03
3.214E-11	1.712E-04	1.945E-01	1.823E-11	4.079E-14	3.564E-15	0.	0.	0.	3.700E+03
6.223E-11	2.54dE-04	1.923E-01	3.548E-11	1.113E-12	9.695E-15	0.	0.	0.	3.800E+03
1.144E-10	3.701E-04	1.854E-01	6.705E-11	2.931E-12	2.486E-14	0.	0.	0.	3.900E+03
2.039E-10	5.246E-04	1.780E-01	1.235E-10	7.252E-12	6.02E-14	0.	0.	0.	4.000E+03
3.361E-10	7.412E-04	1.727E-01	2.221E-10	1.744E-11	1.397E-13	0.	0.	0.	4.100E+03
5.409E-10	1.324E-03	1.672E-01	3.913E-10	4.049E-11	3.087E-13	0.	0.	0.	4.200E+03
8.392E-10	1.355E-03	1.625E-01	6.766E-10	9.056E-11	6.549E-13	0.	0.	0.	4.300E+03
1.260E-09	1.675E-03	1.583E-01	1.149E-09	1.980E-10	1.340E-12	0.	0.	0.	4.400E+03
1.838E-09	2.492E-03	1.546E-01	1.917E-09	4.16dE-10	2.646E-12	0.	0.	0.	4.500E+03
2.613E-08	3.274E-03	1.517E-01	3.147E-09	8.634E-10	5.059E-12	0.	0.	0.	4.600E+03
3.633E-09	4.256E-03	1.490E-01	5.008E-09	1.721E-09	9.393E-12	0.	0.	0.	4.700E+03
4.950E-09	5.475E-03	1.466E-01	6.070E-09	3.355E-09	1.697E-11	0.	0.	0.	4.800E+03
6.628E-09	6.976E-03	1.446E-01	1.261E-08	6.376E-09	2.987E-11	0.	0.	0.	4.900E+03
6.730E-09	8.800E-03	1.423E-01	1.949E-08	1.183E-08	5.133E-11	0.	0.	0.	5.000E+03
1.437E-08	1.363E-02	1.340E-01	4.370E-08	3.802E-08	1.618E-10	0.	0.	0.	5.200E+03
2.314E-08	2.037E-02	1.332E-01	9.249E-08	1.121E-07	3.609E-10	0.	0.	0.	5.400E+03
3.548E-08	2.954E-02	1.273E-01	1.881E-07	3.046E-07	8.528E-10	0.	0.	0.	5.600E+03
5.247E-08	4.119E-02	1.202E-01	3.446E-07	7.691E-07	1.882E-09	3.393E-25	0.	0.	5.800E+03
7.531E-08	5.582E-02	1.115E-01	6.072E-07	1.838E-06	3.898E-09	3.782E-24	0.	0.	6.000E+03
1.053E-07	7.328E-02	1.013E-01	1.007E-06	1.973E-06	7.006E-09	3.567E-23	0.	0.	6.200E+03
1.437E-07	9.320E-02	8.940E-02	1.570E-06	8.190E-06	1.402E-08	2.880E-22	0.	0.	6.400E+03
1.922E-07	1.148E-01	7.734E-02	2.300E-06	1.588E-05	2.645E-08	2.013E-21	0.	0.	6.600E+03
2.522E-07	1.371E-01	6.456E-02	3.169E-06	2.903E-05	4.046E-08	1.230E-20	0.	0.	6.800E+03
3.255E-07	1.587E-01	5.213E-02	4.111E-06	5.022E-05	6.368E-08	6.644E-20	0.	0.	7.000E+03
4.140E-07	1.764E-01	4.079E-02	5.039E-06	6.254E-05	9.535E-08	3.201E-19	0.	0.	7.200E+03
5.195E-07	1.959E-01	3.103E-02	5.889E-06	1.295E-04	1.374E-07	1.390E-18	0.	0.	7.400E+03
6.642E-07	2.092E-01	2.307E-02	6.545E-06	1.951E-04	1.900E-07	5.499E-18	0.	0.	7.600E+03
7.499E-07	2.198E-01	1.640E-02	7.046E-06	2.837E-04	2.542E-07	2.001E-17	0.	0.	7.800E+03
9.546E-07	2.277E-01	1.223E-02	7.342E-06	4.004E-04	3.306E-07	6.755E-17	0.	0.	8.000E+03
1.151E-06	2.334E-01	8.831E-03	7.580E-06	5.511E-04	4.200E-07	2.134E-16	0.	0.	8.200E+03
1.370E-06	2.373E-01	6.381E-03	7.672E-06	7.427E-04	5.231E-07	6.349E-16	0.	0.	8.400E+03
1.616E-06	2.403E-01	4.629E-03	7.686E-06	9.828E-04	6.409E-07	1.790E-15	0.	0.	8.600E+03
1.890E-06	2.416E-01	3.379E-03	7.664E-06	1.280E-03	7.740E-07	4.803E-15	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	5.697E-03	3.810E-13	3.964E-09	1.111E-04	6.910E-14	7.433E-01	1.744E-04	1.727E-06	4.047E-03
9.200E+03	7.098E-03	2.620E-13	3.089E-09	9.903E-05	4.765E-14	7.408E-01	1.512E-04	1.970E-06	5.006E-03
9.400E+03	8.763E-03	1.823E-13	2.424E-09	8.667E-05	3.316E-14	7.381E-01	1.314E-04	2.234E-06	6.140E-03
9.600E+03	1.072E-02	1.203E-13	1.915E-09	7.922E-05	2.329E-14	7.351E-01	1.147E-04	2.520E-06	7.470E-03
9.800E+03	1.302E-02	9.121E-14	1.521E-09	7.110E-05	1.651E-14	7.317E-01	1.005E-04	2.827E-06	9.019E-03
1.000E+04	1.568E-02	6.542E-14	1.215E-09	6.393E-05	1.179E-14	7.279E-01	8.834E-05	3.154E-06	1.061E-02
1.100E+04	3.578E-02	1.374E-14	4.177E-10	3.818E-05	2.398E-15	6.990E-01	4.800E-05	5.049E-06	2.421E-02
1.200E+04	7.025E-02	3.130E-15	1.486E-10	2.266E-05	5.201E-16	6.502E-01	2.660E-05	7.129E-06	4.707E-02
1.300E+04	1.213E-31	6.933E-16	5.070E-11	1.274E-05	1.077E-16	5.777E-01	1.433E-05	8.829E-06	8.124E-02
1.400E+04	1.849E-01	1.357E-16	1.548E-11	6.506E-06	1.934E-17	6.836E-01	7.203E-06	9.539E-06	1.262E-01
1.500E+04	2.595E-01	2.168E-17	4.029E-12	2.928E-06	2.808E-18	3.773E-01	3.268E-06	8.915E-06	1.781E-01
1.600E+04	3.286E-01	2.826E-18	8.781E-13	1.153E-06	3.233E-19	2.735E-01	1.318E-06	7.208E-06	2.300E-01
1.700E+04	3.854E-01	3.014E-19	1.464E-13	4.073E-07	3.088E-20	1.858E-01	4.780E-07	5.123E-06	2.752F-01
1.800E+04	4.264E-01	2.473E-20	2.038E-14	1.352E-07	2.662E-21	1.208E-01	1.617E-07	3.308E-06	3.094E-01
1.900E+04	4.534E-01	2.690E-21	4.021E-15	4.461E-08	2.299E-22	7.715E-02	5.332E-08	2.020E-06	3.320E-01
2.000E+04	4.734E-01	2.666E-22	8.556E-16	1.499E-08	2.139E-23	4.944E-02	1.786E-08	1.209E-06	3.479E-01
2.100E+04	4.408E-01	2.925E-21	1.644E-16	5.314E-09	2.232E-24	3.227E-02	6.234E-09	7.266E-07	3.571E-01
2.200E+04	4.874E-01	3.652E-24	3.448E-17	1.996E-09	2.054E-25	2.161E-02	2.298E-09	4.441E-07	3.620E-01
2.300E+04	4.918E-01	5.156E-25	7.955E-18	7.944E-10	3.593E-26	1.490E-02	8.974E-10	2.778E-07	3.663E-01
2.400E+04	4.950E-01	8.210E-26	2.004E-18	3.337E-10	5.600E-27	1.059E-02	3.715E-10	1.702E-07	3.682E-01
2.500E+04	4.978E-01	1.458E-26	5.463E-19	1.468E-10	9.273E-28	7.736E-03	1.624E-10	1.172E-07	3.689E-01
2.600E+04	5.008E-01	2.847E-27	1.593E-19	6.702E-11	1.706E-28	5.806E-03	7.472E-11	7.881E-08	3.686E-01
2.700E+04	5.045E-01	6.016E-28	4.698E-20	3.141E-11	3.330E-29	4.465E-03	3.602E-11	5.413E-08	3.672E-01
2.800E+04	5.090E-01	1.355E-20	1.560E-20	1.494E-11	6.781E-30	3.511E-03	1.812E-11	3.780E-08	3.647E-01
2.900E+04	5.145E-01	3.200E-29	5.158E-21	7.13WE-12	1.400E-30	2.817E-03	9.476E-12	2.696E-08	3.613E-01
3.000E+04	5.207E-01	7.846E-30	1.727E-21	3.401E-12	2.894E-31	2.301E-03	5.132E-12	1.950E-08	3.572E-01
3.100E+04	5.269E-01	1.981E-30	5.057E-22	1.610E-12	5.946E-32	1.909E-03	2.670E-12	1.432E-08	3.529E-01
3.200E+04	5.328E-01	5.167E-31	2.102E-22	7.558E-13	1.215E-32	1.607E-03	1.654E-12	1.069E-08	3.498E-01
3.300E+04	5.379E-31	3.781E-31	7.006E-23	3.566E-13	2.489E-33	1.370E-03	9.795E-13	8.094E-09	3.452E-01
3.400E+04	5.421E-01	3.811E-32	2.489E-23	1.686E-13	5.172E-34	1.181E-03	5.952E-13	6.221E-09	3.422E-01
3.500E+04	5.455E-01	1.094E-32	9.059E-24	8.060E-14	0.	1.029E-03	3.703E-13	4.848E-09	3.398E-01
3.600E+04	5.641E-01	3.262E-33	3.388E-24	3.897E-14	0.	9.052E-04	2.355E-13	3.826E-09	3.380E-01
3.700E+04	5.503E-01	1.013E-33	1.324E-24	1.919E-14	5.534E-36	8.026E-04	1.529E-13	3.055E-09	3.365E-01
3.800E+04	5.520E-01	3.273E-34	5.173E-25	9.632E-15	0.	7.168E-04	1.011E-13	2.464E-09	3.353E-01
3.900E+04	5.536E-01	1.098E-34	2.112E-25	4.924E-15	0.	6.443E-04	6.804E-14	2.009E-09	3.342E-01
4.000E+04	5.551E-01	3.817E-35	8.055E-26	2.562E-15	0.	5.825E-04	4.653E-14	1.645E-09	3.331E-01
4.100E+04	5.567E-01	0.	3.805E-26	1.354E-15	0.	5.293E-04	3.230E-14	1.360E-09	3.320E-01
4.200E+04	5.585E-01	0.	1.670E-26	7.251E-16	0.	4.931E-04	2.273E-14	1.132E-09	3.306E-01
4.300E+04	5.607E-01	0.	7.661E-27	3.923E-16	0.	4.427E-04	1.620E-14	9.459E-10	3.291E-01
4.400E+04	5.631E-01	0.	3.308E-27	2.137E-16	0.	4.072E-04	1.168E-14	7.963E-10	3.272E-01
4.500E+04	5.662E-01	0.	1.568E-27	1.169E-16	0.	3.757E-04	8.919E-15	6.731E-10	3.251F-01
4.600E+04	5.691E-01	0.	7.138E-28	6.401E-17	0.	3.476E-04	6.276E-15	5.714E-10	3.228E-01
4.700E+04	5.725E-01	0.	3.310E-28	3.503E-17	0.	3.226E-04	4.670E-15	4.872E-10	3.203E-01
4.800E+04	5.759E-01	0.	1.540E-28	1.914E-17	0.	3.000E-04	3.508E-15	4.174E-10	3.170E-01
4.900E+04	5.793E-01	0.	7.194E-29	1.044E-17	0.	2.798E-04	2.650E-15	3.592E-10	3.153E-01
5.000E+04	5.825E-01	0.	7.373E-29	5.607E-18	0.	2.614E-04	2.032E-15	3.106E-10	3.129E-01

P/PD = 3.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	1.964E-01	1.263E-20	1.299E-34	5.383F-29	3.143E-21	6.027E-01	1.012E-18	2.099E-21
6.000E+02	0.	3.518E-02	1.261E-17	6.690E-29	3.255E-29	2.203E-17	7.236E-01	8.653E-19	8.852E-21
7.000E+02	0.	7.959E-03	1.061E-15	1.135E-24	1.286E-22	1.264E-14	7.440E-01	8.197E-19	2.801E-20
8.000E+02	0.	2.455E-03	4.954E-14	1.366E-21	1.008E-20	1.451E-12	7.482E-01	7.735E-19	6.637E-20
9.000E+02	0.	9.635E-04	7.589E-13	3.385E-19	3.381E-19	5.853E-11	7.493E-01	7.107E-19	1.258E-19
1.000E+03	0.	4.482E-05	6.662E-22	2.783E-17	5.276E-18	1.136E-09	7.497E-01	6.341E-19	2.006E-19
1.100E+03	0.	2.339E-04	3.937E-11	1.025E-15	4.999E-17	1.293E-08	7.498E-01	5.923E-19	2.821E-19
1.200E+03	0.	1.411E-04	1.722E-10	2.069E-14	3.263E-16	9.867E-08	7.499E-01	6.738E-19	3.611E-19
1.300E+03	0.	9.029E-05	5.993E-10	2.637E-13	1.601E-15	5.529E-07	7.499E-01	4.030E-19	4.321E-19
1.400E+03	0.	6.162E-05	1.746E-09	2.333E-12	6.270E-15	2.430E-06	7.500E-01	3.441E-19	4.929E-19
1.500E+03	0.	4.429E-05	4.397E-09	1.544E-11	2.050E-16	8.794E-06	7.503E-01	2.946E-19	5.438E-19
1.600E+03	4.114E-29	3.323E-05	9.875E-09	8.065E-11	5.838E-14	2.716E-05	7.505E-01	2.541E-19	5.852E-19
1.700E+03	7.973E-26	2.582E-05	2.016E-08	3.466E-10	1.466E-13	7.359E-08	7.499E-01	2.211E-19	6.192E-19
1.800E+03	3.702E-23	2.067E-05	3.802E-08	1.269E-09	3.340E-13	1.788E-06	7.499E-01	1.942E-19	6.471E-19
1.900E+03	9.031E-21	1.696E-05	6.704E-08	4.050E-09	6.980E-13	3.961E-04	7.499E-01	1.735E-19	6.770E-19
2.000E+03	7.134E-19	1.420E-05	1.177E-07	1.151E-08	1.360E-12	8.115E-04	7.493E-01	2.020E-19	1.266E-18
2.100E+03	9.624E-18	1.211E-05	1.772E-07	2.960E-08	2.488E-12	5.534E-03	7.486E-01	1.707E-18	8.670E-18
2.200E+03	7.763E-17	1.348E-05	2.693E-07	6.985E-08	4.311E-12	2.807E-05	7.475E-01	1.162E-17	6.629E-17
2.300E+03	5.091E-16	9.172E-06	3.942E-07	1.524E-07	7.125F-12	4.817E-03	7.458E-01	9.904E-17	4.376E-16
2.400E+03	2.852E-15	8.110E-06	5.580E-07	3.131E-07	1.129E-11	7.902E-03	7.431E-01	3.953E-16	2.402E-15
2.500E+03	1.394E-14	7.224E-06	7.665E-07	6.040E-07	1.720E-11	1.246E-02	7.391E-01	1.603F-15	1.228E-14
2.600E+03	6.044E-14	6.448E-06	1.024E-06	1.109E-06	2.532E-11	1.094E-02	7.334E-01	6.461E-15	5.376E-14
2.700E+03	2.353E-13	5.808E-06	1.333E-06	1.938E-06	3.600E-11	2.789E-02	7.256E-01	2.346E-14	2.113E-13
2.800E+03	8.320E-13	5.219E-06	1.694E-06	3.244E-06	4.988E-11	3.986E-02	7.151E-01	7.706E-14	7.532E-13
2.900E+03	2.694E-12	6.643E-06	2.103E-06	5.225E-06	6.688E-11	5.945E-02	7.019E-01	2.352E-13	2.461E-12
3.000E+03	8.086E-12	4.184E-06	2.952E-06	8.110E-06	8.723E-11	7.523E-02	6.842E-01	6.604E-13	7.428E-12
3.100E+03	2.257E-11	3.716E-06	3.025E-06	1.217E-05	1.106E-10	9.908E-02	6.628E-01	1.720E-12	2.066E-11
3.200E+03	5.900E-11	3.271E-06	3.512E-06	1.708E-05	1.362E-10	1.292E-01	6.370E-01	4.234E-12	9.499E-11
3.300E+03	1.453E-10	2.848E-06	3.988E-06	2.492E-05	1.637E-10	1.639E-01	6.066E-01	9.754E-12	1.360E-10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE II.- Continued

H+	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.193E-06	2.425E-01	2.484E-03	7.563E-06	1.645E-03	9.230E-07	1.232E-14	0.	0.	9.000E+03
2.524E-06	2.429E-01	1.840E-03	7.453E-06	2.086E-03	1.088E-06	3.031E-14	0.	0.	9.200E+03
2.884E-06	2.427E-01	1.375E-03	7.324E-06	2.617E-03	1.270E-06	7.174E-14	0.	0.	9.400E+03
3.271E-06	2.422E-01	1.035E-03	7.179E-06	3.248E-03	1.469E-06	1.630E-13	0.	0.	9.600E+03
3.684E-06	2.413E-01	7.848E-04	7.022E-06	3.993E-03	1.683E-06	3.615E-13	0.	0.	9.800E+03
4.123E-06	2.401E-01	5.995E-04	6.856E-06	4.866E-03	1.912E-06	7.733E-13	0.	0.	1.000E+04
6.381E-06	2.292E-01	1.700E-04	5.900E-06	1.517E-02	3.228E-06	2.292E-11	0.	0.	1.100E+04
9.052E-06	2.091E-01	5.280E-05	4.763E-06	2.318E-02	4.559E-06	3.874E-10	0.	0.	1.200E+04
1.075E-05	1.795E-01	1.672E-05	3.510E-06	4.008E-02	5.407E-06	4.232E-09	1.501E-23	0.	1.300E+04
1.096E-05	1.426E-01	5.078E-06	2.297E-06	6.069E-02	5.362E-06	3.267E-08	1.867E-21	0.	1.400E+04
9.567E-06	1.037E-01	1.419E-06	1.313E-06	8.146E-02	4.461E-06	1.905E-07	1.284E-19	0.	1.500E+04
7.177E-07	6.982E-02	3.620E-07	6.064E-07	9.856E-02	3.116E-06	8.860E-07	5.515E-18	0.	1.600E+04
4.729E-06	6.347E-02	8.668E-08	3.024E-07	1.102E-01	1.918E-06	3.643E-06	1.617E-16	0.	1.700E+04
2.840E-06	2.636E-02	2.053E-08	1.326E-07	1.170E-01	1.088E-06	1.162E-05	3.495E-15	0.	1.800E+04
1.621E-06	1.603E-02	5.033E-09	5.827E-08	1.206E-01	7.966E-07	3.649E-05	5.641E-14	0.	1.900E+04
9.109E-07	9.904E-03	1.335E-09	2.628E-08	1.224E-01	3.268E-07	9.538E-05	7.240E-13	0.	2.000E+04
5.157E-07	6.269E-03	3.832E-10	1.247E-08	1.233E-01	1.024E-07	2.339E-06	7.524E-12	0.	2.100E+04
2.980E-07	4.119E-03	1.197E-10	1.611E-09	1.235E-01	1.024E-07	5.559E-06	6.453E-11	0.	2.200E+04
1.768E-07	2.779E-03	4.043E-11	3.173E-09	1.231E-01	6.178E-08	1.206E-03	4.658E-10	0.	2.300E+04
1.038E-07	1.924E-03	1.460E-11	1.650E-09	1.219E-01	3.752E-08	2.451E-03	2.875E-09	0.	2.400E+04
6.792E-08	1.360E-03	5.556E-12	9.207E-10	1.195E-01	2.333E-08	4.679E-03	1.535E-08	0.	2.500E+04
4.398E-08	4.738E-04	2.192E-12	5.060E-10	1.154E-01	1.476E-08	8.390E-03	7.143E-08	0.	2.600E+04
2.929E-08	7.002E-04	8.800E-13	2.759E-10	1.091E-01	9.420E-09	1.409E-02	2.913E-07	0.	2.700E+04
2.005E-08	5.009E-04	3.522E-13	1.466E-10	1.031E-01	6.014E-09	2.209E-02	1.043E-06	0.	2.800E+04
1.409E-08	3.534E-04	1.380E-13	7.478E-11	8.876E-02	3.807E-09	3.225E-02	3.295E-06	0.	2.900E+04
1.014E-08	2.454E-04	5.232E-14	3.625E-11	7.570E-02	2.374E-09	4.388E-02	9.232E-06	0.	3.000E+04
7.459E-09	1.654E-04	1.910E-14	1.667E-11	6.218E-02	1.454E-09	5.590E-02	2.319E-05	0.	3.100E+04
5.601E-09	1.097E-04	6.708E-15	7.322E-12	4.946E-02	8.747E-10	6.722E-02	5.290E-05	0.	3.200E+04
4.287E-09	7.169E-05	2.319E-15	3.106E-12	3.822E-02	5.196E-10	7.706E-02	1.111E-04	0.	3.300E+04
3.341E-09	4.644E-05	7.892E-16	1.292E-12	2.912E-02	3.056E-10	8.508E-02	2.179E-04	1.339E-10	3.400E+04
2.649E-09	1.031E-05	2.668E-17	5.324E-13	2.193E-02	1.807E-10	9.126E-02	4.034E-04	5.518E-10	3.500E+04
2.136E-09	1.944E-05	9.218E-17	2.204E-13	1.643E-02	1.070E-10	9.580E-02	7.116E-04	2.077E-09	3.600E+04
1.750E-09	1.207E-05	3.240E-17	9.218E-14	1.231E-02	6.388E-11	9.891E-02	1.204E-03	7.213E-09	3.700E+04
1.456E-09	8.326E-06	1.160E-17	3.914E-15	9.240E-03	3.854E-11	1.008E-01	1.965E-03	2.329E-08	3.800E+04
1.228E-09	5.519E-06	4.250E-18	1.690E-16	6.957E-03	2.352E-11	1.015E-01	3.103E-03	7.035E-08	3.900E+04
1.050E-09	3.089E-06	1.591E-18	7.411E-15	5.254E-03	1.451E-11	1.012E-01	4.749E-03	1.996E-07	4.000E+04
9.082E-10	2.483E-06	6.073E-19	3.293E-15	3.976E-03	9.346E-12	9.980E-02	7.051E-03	5.335E-07	4.100E+04
7.946E-10	1.679E-06	2.352E-19	1.477E-15	3.010E-03	5.677E-12	9.720E-02	1.015E-02	1.346E-06	4.200E+04
7.021E-10	1.138E-06	9.201E-20	6.650E-16	2.275E-03	3.584E-12	9.338E-02	1.418E-02	3.206E-06	4.300E+04
6.261E-10	7.715E-07	3.614E-20	2.991E-16	1.711E-03	2.267E-12	8.832E-02	1.918E-02	7.225E-06	4.400E+04
5.627E-10	5.213E-07	1.416E-20	1.337E-16	1.279E-03	1.436E-12	8.210E-02	2.510E-02	1.541E-05	4.500E+04
5.094E-10	3.544E-07	5.530E-21	5.915E-17	9.478E-04	9.456E-13	7.693E-02	3.181E-02	3.113E-05	4.600E+04
4.639E-10	2.339E-07	2.136E-21	2.501E-17	6.957E-04	5.694E-13	6.709E-02	3.903E-02	5.974E-05	4.700E+04
4.246E-10	1.549E-07	6.162E-22	1.110E-17	5.055E-04	3.556E-13	5.898E-02	4.643E-02	1.092E-04	4.800E+04
3.904E-10	1.019E-07	3.083E-22	4.702E-18	3.639E-04	2.082E-13	5.095E-02	5.367E-02	1.906E-04	4.900E+04
3.630E-10	6.651E-08	1.154E-22	1.968E-18	2.597E-04	1.364E-13	4.334E-02	6.046E-02	3.193E-04	5.000E+04

P/PQ = 3.00E+00

H+	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	2.009E-01	4.835E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.412E-01	7.452E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.920E-33	2.440E-01	1.072E-20	0.	0.	0.	0.	0.	7.000E+02
0.	5.220E-29	2.494E-01	1.378E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.479E-25	2.498E-01	1.604E-20	0.	0.	0.	0.	0.	9.000E+02
0.	8.585E-23	2.499E-01	1.723E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.575E-20	2.449F-01	1.741E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.216E-18	2.500E-01	1.684E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.827E-17	2.500E-01	1.564E-20	3.930E-32	0.	0.	0.	0.	1.300E+03
0.	1.135E-15	2.500E-01	1.466E-20	4.331E-31	0.	0.	0.	0.	1.400E+03
0.	1.756E-14	2.503E-01	1.345E-20	3.429E-30	0.	0.	0.	0.	1.500E+03
0.	1.931E-13	2.500E-01	1.230E-20	2.071E-29	0.	0.	0.	0.	1.600E+03
0.	1.605E-12	2.500E-01	1.125E-20	1.003E-28	0.	0.	0.	0.	1.700E+03
1.352E-26	1.055E-11	2.500E-01	1.032E-20	4.068E-28	0.	0.	0.	0.	1.800E+03
4.956E-24	5.696E-11	2.499E-01	9.596E-21	1.419E-27	0.	0.	0.	0.	1.900E+03
5.613E-22	2.690E-10	2.499E-01	1.613E-20	7.877E-27	4.190E-30	0.	0.	0.	2.000E+03
1.044E-20	1.028E-09	2.498E-01	1.003E-19	1.644E-25	2.067E-28	0.	0.	0.	2.100E+03
1.121E-19	3.587E-19	2.498E-01	7.010E-19	2.699E-24	5.394E-27	0.	0.	0.	2.200E+03
9.522E-19	1.124E-08	2.498E-01	4.267E-18	4.033E-23	1.029E-25	0.	0.	0.	2.300E+03
6.732E-18	3.201E-08	2.490E-01	2.241E-17	4.839E-22	1.526E-24	0.	0.	0.	2.400E+03
4.054E-17	6.386E-08	2.484E-01	1.036E-16	4.770E-21	1.821E-23	0.	0.	0.	2.500E+03
2.120E-16	2.004E-07	2.470E-01	4.261E-16	3.952E-20	1.791E-22	0.	0.	0.	2.600E+03
9.775E-16	4.645E-07	2.465E-01	1.580E-15	2.805E-19	1.483E-21	0.	0.	0.	2.700E+03
4.023E-15	9.97E-07	2.450E-01	5.338E-15	1.734E-18	1.353E-20	0.	0.	0.	2.800E+03
1.494E-14	2.027E-06	2.431E-01	1.660E-14	9.471E-18	6.511E-20	0.	0.	0.	2.900E+03
5.052E-14	3.929E-06	2.430E-01	4.799E-14	4.622E-17	3.553E-19	0.	0.	0.	3.000E+03
1.564E-13	7.287E-06	2.375E-01	1.297E-13	2.046E-16	1.727E-18	0.	0.	0.	3.100E+03
4.497E-13	1.298E-05	2.333E-01	3.293E-13	8.259E-16	7.571E-18	0.	0.	0.	3.200E+03
1.198E-12	2.230E-05	2.295E-01	7.902E-13	3.070E-15	3.018E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	A2H2	H	H2	H2+	H+
3.400E+03	3.387E-10	2.447E-04	4.416E-04	3.413E-05	1.911E-10	2.037E-01	5.717E-01	2.122E-11	3.184E-10
3.500E+03	7.501E-10	2.070E-04	4.784E-04	4.547E-05	2.170E-10	2.482E-01	5.327E-01	4.372E-11	7.094E-10
3.600E+03	1.585E-09	1.721E-04	5.044E-04	5.902E-05	2.397E-10	2.964E-01	4.902E-01	5.559E-01	1.366E-09
3.700E+03	3.204E-09	1.405E-04	5.238E-04	7.471E-05	2.578E-10	3.485E-01	4.450E-01	1.596E-10	3.066E-09
3.800E+03	6.219E-09	1.124E-04	5.294E-04	9.234E-05	2.700E-10	4.018E-01	3.983E-01	2.043E-10	5.945E-09
3.900E+03	1.162E-08	8.820E-07	5.234E-04	1.118E-04	2.759E-10	4.554E-01	3.514E-01	4.867E-10	1.119E-08
4.000E+03	2.095E-08	6.784E-07	5.065E-04	1.322E-04	2.751E-10	5.076E-01	3.054E-01	7.932E-10	2.425E-08
4.100E+03	3.654E-08	5.123E-07	4.806E-04	1.535E-04	2.687E-10	5.572E-01	2.621E-01	1.249E-09	3.546E-08
4.200E+03	6.187E-08	3.806E-07	4.618E-04	1.793E-04	2.576E-10	6.030E-01	2.220E-01	1.897E-09	6.016E-08
4.300E+03	1.018E-07	2.768E-07	4.114E-04	1.972E-04	2.429E-10	6.441E-01	1.859E-01	2.790E-09	9.925E-08
4.400E+03	1.651E-07	2.020E-07	3.728E-04	2.189E-04	2.261E-10	6.800E-01	1.543E-01	3.982E-09	1.394E-07
4.500E+03	2.552E-07	1.452E-07	3.364E-04	2.403E-04	2.083E-10	7.108E-01	1.271E-01	5.533E-09	2.496E-07
4.600E+03	3.906E-07	1.039E-07	2.976E-04	2.811E-04	1.904E-10	7.367E-01	1.042E-01	7.930E-09	3.826E-07
4.700E+03	5.860E-07	7.423E-08	2.633E-04	2.814E-04	1.730E-10	7.581E-01	8.520E-02	9.976E-09	5.747E-07
4.800E+03	9.629E-07	5.305E-08	2.321E-04	3.012E-04	1.556E-10	7.755E-01	6.956E-02	1.302E-08	6.466E-07
4.900E+03	1.249E-06	3.800E-08	2.046E-04	3.203E-04	1.413E-10	7.895E-01	5.682E-02	1.671E-08	1.226E-06
5.000E+03	1.781E-06	2.733E-08	1.792E-04	3.389E-04	1.273E-10	8.007E-01	4.649E-02	2.114E-08	1.746E-06
5.200E+03	3.466E-06	1.437E-08	1.382E-04	3.742E-04	1.031E-10	8.162E-01	3.130E-02	3.261E-08	3.391E-06
5.400E+03	6.425E-06	7.740E-09	1.068E-04	4.067E-04	8.321E-11	8.251E-01	2.150E-02	4.626E-08	6.252E-06
5.600E+03	1.140E-05	4.219E-09	6.285E-07	4.355E-04	6.700E-11	8.293E-01	1.497E-02	6.897E-08	1.101E-05
5.800E+03	1.946E-05	2.417E-09	6.448E-07	4.599E-04	5.387E-11	8.300E-01	1.061E-02	9.562E-08	1.861E-05
6.000E+03	3.211E-05	1.354E-09	5.025E-07	4.787E-04	4.269E-11	8.281E-01	7.639E-03	1.291E-07	3.031E-05
6.200E+03	5.140E-05	8.180E-10	3.915E-07	4.908E-04	3.355E-11	8.239E-01	5.584E-03	1.701E-07	4.774E-05
6.400E+03	8.008E-05	6.861E-10	3.042E-07	4.951E-04	2.597E-11	8.179E-01	4.141E-03	2.193E-07	7.293E-05
6.600E+03	1.217E-04	2.918E-10	2.353E-07	4.910E-04	1.974E-11	8.104E-01	3.112E-03	2.772E-07	1.004E-04
6.800E+03	1.809E-04	1.765E-10	1.810E-07	4.785E-04	1.648E-11	8.024E-01	2.370E-03	3.446E-07	1.571E-04
7.000E+03	2.633E-04	1.075E-10	1.383E-07	4.500E-04	1.067E-11	7.937E-01	1.822E-03	4.222E-07	2.224E-04
7.200E+03	3.759E-04	6.583E-11	1.050E-07	4.308E-04	7.583E-12	7.853E-01	1.429E-03	5.111E-07	3.095E-04
7.400E+03	5.270E-04	4.061E-11	7.931E-08	3.990E-04	5.277E-12	7.774E-01	1.132E-03	6.131E-07	4.231E-04
7.600E+03	7.264E-04	2.527E-11	5.973E-08	3.645E-04	3.610E-12	7.709E-01	9.082E-04	7.299E-07	5.697E-04
7.800E+03	9.856E-04	1.588E-08	4.494E-04	3.295E-04	2.639E-12	7.647E-01	7.382E-04	8.619E-07	7.571E-04
8.000E+03	1.310E-03	1.010E-11	3.307E-08	2.955E-04	1.636E-12	7.600E-01	6.074E-04	1.017E-06	9.941E-04
8.200E+03	1.737E-03	6.508E-10	2.562E-08	2.638E-04	1.096E-12	7.561E-01	5.052E-04	1.191E-06	1.291E-03
8.400E+03	2.261E-03	4.252E-12	1.948E-08	2.349E-04	5.359E-13	7.530E-01	4.244E-04	1.388E-06	1.658E-03
8.600E+03	2.908E-03	2.818E-12	1.491E-08	2.091E-04	4.968E-13	7.503E-01	3.596E-04	1.608E-06	2.108E-03
8.800E+03	3.698E-03	1.893E-12	1.149E-08	1.862E-04	3.380E-13	7.479E-01	3.071E-04	1.855E-06	2.655E-03
9.000E+03	4.654E-03	1.290E-12	8.918E-09	1.661E-04	2.320E-13	7.456E-01	2.644E-04	2.127E-06	3.313E-03
9.200E+03	5.801E-03	8.898E-13	6.972E-09	1.485E-04	1.607E-13	7.433E-01	2.284E-04	2.426E-06	4.090E-03
9.400E+03	7.163E-03	6.214E-13	5.488E-09	1.330E-04	1.124E-13	7.409E-01	1.986E-04	2.753E-06	5.026E-03
9.600E+03	9.771E-03	4.389E-13	4.348E-09	1.194E-04	7.938E-14	7.382E-01	1.735E-04	3.107E-06	6.115E-03
9.800E+03	1.065F-02	3.132E-13	3.446E-09	1.074E-04	5.654E-14	7.353E-01	1.522E-04	3.489E-06	7.384E-03
1.000E+04	1.283E-02	2.257E-13	2.717E-09	6.687E-05	4.041E-13	7.320E-01	1.341E-04	3.897E-06	8.852E-03
1.100E+04	2.941E-02	4.894E-14	9.792E-10	5.890E-05	8.559E-15	7.081E-01	7.390E-05	6.108E-06	1.989E-02
1.200E+04	5.817E-02	1.180E-14	3.660E-10	3.602E-05	1.973E-15	6.675E-01	4.204E-05	9.063E-06	3.090E-02
1.300E+04	1.017E-01	2.866E-15	1.332E-10	2.120E-05	4.509E-16	6.059E-01	2.363E-05	1.159E-05	6.779E-02
1.400E+04	1.593E-01	6.430E-16	4.517E-11	1.168E-05	5.236E-17	5.236E-01	1.267E-05	1.312E-05	1.066E-01
1.500E+04	2.264E-01	1.243E-16	1.349E-11	5.705E-06	1.645E-17	4.264E-01	6.260E-06	1.305E-05	1.930E-01
1.600E+04	2.944E-01	1.988E-17	3.460E-12	2.546E-06	2.364E-18	3.154E-02	1.254E-05	1.139E-05	2.037E-01
1.700E+04	3.546E-01	6.642E-18	7.663E-13	1.005E-06	2.813E-19	2.335E-01	1.133E-06	8.787E-06	2.504E-01
1.800E+04	4.021E-01	3.060E-19	1.925E-13	3.670E-07	2.940E-20	1.596E-01	4.229E-07	6.117E-06	2.888E-01
1.900E+04	4.357E-01	3.332E-20	2.897E-14	1.295E-07	2.933E-21	1.060E-01	1.517E-07	3.172E-06	3.172E-01
2.000E+04	4.579E-01	3.677E-21	5.560E-15	4.594E-08	3.012E-22	6.989E-02	9.354E-08	2.462E-06	3.367E-01
2.100E+04	4.722E-01	4.330E-22	1.123E-15	1.663E-08	3.357E-23	4.650E-02	1.956E-08	1.530E-06	3.499E-01
2.200E+04	4.141E-01	5.663E-23	2.462E-16	6.458E-09	9.168E-24	3.154E-02	7.361E-09	9.376E-07	3.574E-01
2.300E+04	6.874E-01	8.251E-24	5.767E-17	2.609E-09	5.813E-25	2.193E-02	2.915E-09	6.089E-07	3.628E-01
2.400E+04	9.161E-01	1.346E-24	1.479E-17	1.109E-09	9.080E-26	1.566E-02	1.220E-09	3.927E-07	3.657E-01
2.500E+04	9.940E-01	2.433E-25	4.094E-18	4.930E-10	1.574E-26	1.149E-02	5.372E-10	2.599E-07	3.674E-01
2.600E+04	4.978E-01	4.843E-26	2.123E-18	2.266E-10	2.979E-27	8.663E-03	2.644E-10	1.757E-07	3.680E-01
2.700E+04	5.011E-01	1.047E-01	3.809E-19	1.092E-10	6.050E-28	6.659E-03	1.202E-10	1.212E-07	3.675E-01
2.800E+04	5.049E-01	2.422E-27	1.252E-19	5.326E-11	1.292E-28	5.246E-03	6.061E-11	8.517E-08	3.661E-01
2.900E+04	5.096E-01	5.923E-28	4.257E-20	2.627E-11	2.045E-29	4.212E-03	3.177E-11	6.089E-08	3.630E-01
3.000E+04	5.150E-01	1.511E-28	1.462E-20	1.300E-11	3.635E-30	3.443E-03	1.724E-11	4.115E-08	3.602E-01
3.100E+04	5.210E-01	3.986E-29	5.266E-21	6.418E-12	1.411E-30	2.859E-03	9.660E-12	3.250E-08	3.560E-01
3.200E+04	5.270E-01	1.081E-29	1.876E-21	3.152E-12	3.156E-31	2.408E-03	5.573E-12	2.427E-08	3.524E-01
3.300E+04	5.325E-01	3.011E-30	8.809E-22	1.542E-12	6.912E-32	2.056E-03	1.303E-12	1.830E-08	3.495E-01
3.400E+04	5.376E-01	8.625E-31	2.504E-22	7.940E-13	1.551E-32	1.772E-03	2.000E-12	1.412E-08	3.451E-01
3.500E+04	5.415E-01	2.547E-31	9.379E-23	3.703E-13	9.497E-33	1.544E-03	1.250E-12	1.099E-08	3.423E-01
3.600E+04	5.469E-01	7.780E-32	5.390E-23	1.835E-13	6.059E-34	1.359E-03	7.940E-13	8.640E-08	3.400E-01
3.700E+04	5.475E-01	2.442E-32	1.409E-23	9.213E-14	0.	1.204E-03	5.159E-13	6.306E-08	3.382E-01
3.800E+04	5.497E-01	8.075E-33	5.673E-24	6.695E-14	0.	1.075E-03	3.412E-13	5.565E-08	3.367E-01
3.900E+04	5.515E-01	2.746E-33	2.437E-24	2.435E-14	0.	9.664E-04	2.206E-13	4.528E-08	3.354E-01
4.000E+04	5.531E-01	9.667E-34	9.966E-25	1.282E-14	3.153E-16	8.737E-04	1.370E-13	3.710E-09	3.343E-01
4.100E+04	5.546E-01	3.510E-34	6.337E-25	6.060E-15	0.	7.940E-04	1.090E-13	3.872E-09	3.332E-01
4.200E+04	5.556E-01	1.317E-34	1.931E-25	3.724E-15	0.	7.249E-04	1.679E-14	2.593E-09	3.321E-01
4.300E+04	5.581E-01	5.067E-35	8.766E-26	2.047E-15	0.	6.666E-04	5.472E-14	2.143E-09	3.300E-01
4.400E+04	5.631E-01	1.994E-35	4.046E-26	1.130E-15	0.	6.113E-04	3.994E-14	1.805E-09	3.292E-01
4.500E+04	5.629E-01	8.004							

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.903E-12	3.702E-05	2.245E-01	1.803E-12	1.059E-14	1.102E-16	0.	0.	0.	3.400E+03
6.963E-12	5.960E-05	2.189E-01	3.926E-12	3.413E-14	3.712E-16	0.	0.	0.	3.500E+03
1.530E-11	9.324E-05	2.128E-01	0.198E-12	1.034E-13	1.161E-15	0.	0.	0.	3.600E+03
3.170E-11	1.422E-04	2.063E-01	1.640E-11	2.960E-13	3.387E-15	0.	0.	0.	3.700E+03
6.257E-11	2.116E-04	1.996E-01	3.201E-11	8.049E-13	9.276E-15	0.	0.	0.	3.800E+03
1.171E-10	3.002E-04	1.928E-01	6.029E-11	2.089E-12	2.395E-14	0.	0.	0.	3.900E+03
2.090E-10	4.432E-04	1.862E-01	1.010E-10	5.193E-12	5.859E-14	0.	0.	0.	4.000E+03
3.570E-10	6.176E-04	1.799E-01	1.976E-10	1.241E-11	1.363E-13	0.	0.	0.	4.100E+03
5.853E-10	8.527E-04	1.740E-01	3.457E-10	2.883E-11	3.030E-13	0.	0.	0.	4.200E+03
9.242E-10	1.160E-03	1.687E-01	5.929E-10	6.388E-11	6.458E-13	0.	0.	0.	4.300E+03
1.410E-09	1.554E-03	1.639E-01	9.988E-10	1.302E-10	1.323E-12	0.	0.	0.	4.400E+03
2.087E-09	2.061E-03	1.597E-01	1.654E-09	2.903E-10	2.625E-12	0.	0.	0.	4.500E+03
3.006E-09	2.712E-03	1.561E-01	2.896E-09	5.934E-10	5.032E-12	0.	0.	0.	4.600E+03
4.225E-09	3.519E-03	1.529E-01	4.325E-09	1.181E-09	9.361E-12	0.	0.	0.	4.700E+03
5.810E-09	4.522E-03	1.501E-01	6.834E-09	2.293E-09	1.654E-11	0.	0.	0.	4.800E+03
7.840E-09	5.756E-03	1.475E-01	1.063E-08	4.344E-09	2.906E-11	0.	0.	0.	4.900E+03
1.040E-08	7.256E-03	1.452E-01	1.630E-08	8.039E-09	5.138E-11	0.	0.	0.	5.000E+03
1.751E-08	1.124E-02	1.406E-01	3.662E-08	2.576E-08	1.423E-10	0.	0.	0.	5.200E+03
2.800E-08	1.682E-02	1.361E-01	7.756E-08	7.508E-08	3.633E-10	0.	0.	0.	5.400E+03
4.313E-08	2.438E-02	1.305E-01	1.550E-07	2.067E-07	8.618E-10	0.	0.	0.	5.600E+03
6.430E-08	3.425E-02	1.246E-01	2.926E-07	5.236E-07	1.911E-09	1.891E-25	0.	0.	5.800E+03
9.229E-08	4.670E-02	1.171E-01	5.219E-07	1.233E-06	3.984E-09	2.121E-24	0.	0.	6.000E+03
1.290E-07	6.181E-02	1.081E-01	6.736E-07	2.744E-06	7.835E-09	2.016E-23	0.	0.	6.200E+03
1.747E-07	7.943E-02	9.783E-02	1.401E-06	5.716E-06	1.458E-08	1.646E-22	0.	0.	6.400E+03
2.342E-07	9.912E-02	8.643E-02	2.126E-06	3.123E-05	2.576E-08	1.166E-21	0.	0.	6.600E+03
3.102E-07	1.201E-01	7.632E-02	2.990E-06	2.086E-05	4.326E-08	7.239E-21	0.	0.	6.800E+03
4.006E-07	1.414E-01	6.271E-02	4.012E-06	3.667E-05	6.923E-08	3.976E-20	0.	0.	7.000E+03
5.095E-07	1.618E-01	5.033E-02	5.094E-06	6.134E-05	1.058E-07	1.950E-19	0.	0.	7.200E+03
6.332E-07	1.803E-01	3.966E-02	6.145E-06	9.796E-05	1.548E-07	8.613E-19	0.	0.	7.400E+03
7.922E-07	1.963E-01	3.046E-02	7.079E-06	1.499E-04	2.177E-07	3.460E-18	0.	0.	7.600E+03
9.709E-07	2.093E-01	2.295E-02	7.841E-06	2.210E-04	2.957E-07	1.274E-17	0.	0.	7.800E+03
1.171E-06	2.195E-01	1.704E-02	8.411E-06	3.156E-04	3.894E-07	4.355E-17	0.	0.	8.000E+03
1.414E-06	2.271E-01	1.254E-02	8.800E-06	4.384E-04	4.998E-07	1.308E-16	0.	0.	8.200E+03
1.683E-06	2.327E-01	9.198E-03	9.037E-06	5.949E-04	6.278E-07	4.158E-16	0.	0.	8.400E+03
1.985E-06	2.366E-01	6.749E-03	9.153E-06	7.914E-04	7.737E-07	1.177E-15	0.	0.	8.600E+03
2.322E-06	2.393E-01	4.970E-03	9.180E-06	1.035E-03	9.387E-07	3.171E-15	0.	0.	8.800E+03
2.669E-06	2.410E-01	3.679E-03	9.141E-06	1.334E-03	1.124E-06	8.154E-15	0.	0.	9.000E+03
3.104E-06	2.420E-01	2.741E-03	9.055E-06	1.696E-03	1.329E-06	2.010E-14	0.	0.	9.200E+03
3.549E-06	2.424E-01	2.056E-03	9.034E-06	2.131E-03	1.556E-06	4.764E-14	0.	0.	9.400E+03
4.030E-06	2.424E-01	1.554E-03	6.769E-06	2.649E-03	1.803E-06	1.049E-13	0.	0.	9.600E+03
4.545E-06	2.419E-01	1.143E-03	6.625E-06	3.261E-03	2.071E-06	2.406E-13	0.	0.	9.800E+03
5.093E-06	2.412E-01	9.070E-04	6.466E-06	3.978E-03	2.359E-06	5.149E-13	0.	0.	1.000E+04
6.221E-06	2.326E-01	2.628E-06	7.396E-06	9.526E-03	4.041E-06	1.530E-11	0.	0.	1.100E+04
1.154E-05	2.160E-01	8.449E-05	6.135E-06	1.927E-02	5.889E-06	2.593E-10	0.	0.	1.200E+04
1.417E-05	1.904E-01	2.628E-05	4.723E-06	3.307E-02	7.216E-06	2.845E-09	8.026E-24	0.	1.300E+04
1.518E-05	1.577E-01	9.315E-06	3.294E-06	5.248E-02	7.582E-06	2.209E-08	9.870E-22	0.	1.400E+04
1.615E-05	1.204E-01	2.843E-06	2.049E-06	7.257E-02	6.773E-06	1.297E-07	6.684E-20	0.	1.500E+04
1.146E-05	8.558E-05	8.304E-07	1.127E-06	9.071E-02	5.178E-06	6.047E-07	2.610E-18	0.	1.600E+04
8.207E-06	5.648E-02	2.227E-07	5.625E-07	1.044E-01	5.466E-06	2.363E-06	6.035E-17	0.	1.700E+04
5.306E-06	3.620E-02	5.778E-08	2.639E-07	1.133E-01	2.109E-06	7.951E-06	1.677E-15	0.	1.800E+04
3.210E-06	2.269E-02	1.517E-08	1.214E-07	1.184E-01	1.217E-06	2.380E-05	2.668E-14	0.	1.900E+04
1.880E-06	1.431E-02	4.181E-09	5.661E-08	2.111E-01	6.879E-07	6.464E-05	9.303E-13	0.	2.000E+04
1.045E-06	9.213E-03	1.234E-09	2.724E-08	1.224E-01	3.933E-07	1.615E-04	3.443E-12	0.	2.100E+04
6.442E-07	6.088E-03	3.924E-10	1.363E-08	1.232E-01	2.290E-07	3.744E-04	2.934E-11	0.	2.200E+04
3.888E-07	4.135E-03	1.343E-10	7.091E-09	1.232E-01	1.367E-07	8.119E-04	2.110E-10	0.	2.300E+04
2.380E-07	2.883E-03	4.914E-11	3.819E-09	1.226E-01	6.374E-08	1.654E-03	1.303E-09	0.	2.400E+04
1.504E-07	2.054E-03	1.901E-11	2.113E-09	1.211E-01	5.254E-08	3.179E-03	6.942E-09	0.	2.500E+04
9.762E-07	1.484E-03	7.678E-12	1.188E-09	1.183E-01	3.302E-08	9.768E-03	3.293E-08	0.	2.600E+04
6.550E-06	1.088E-03	5.187E-12	6.707E-10	1.130E-01	2.181E-08	9.864E-03	1.364E-07	0.	2.700E+04
6.456E-06	7.949E-06	1.337E-12	3.752E-10	1.071E-01	1.424E-08	1.508E-02	5.039E-07	0.	2.800E+04
3.1179E-06	5.799E-26	5.575E-13	2.033E-10	9.806E-02	9.781E-09	2.393E-02	1.644E-06	0.	2.900E+04
2.251E-06	4.162E-06	2.276E-13	1.043E-10	6.688E-02	9.959E-09	3.349E-02	6.813E-06	0.	3.000E+04
1.657E-06	2.934E-06	9.012E-14	5.306E-11	7.437E-02	3.824E-09	6.508E-02	1.261E-03	0.	3.100E+04
1.245E-06	2.028E-06	3.452E-14	2.520E-11	6.157E-02	3.239E-09	5.646E-02	2.995E-05	0.	3.200E+04
9.545E-06	1.377E-06	1.284E-14	1.158E-11	6.952E-02	1.402E-09	6.714E-02	6.521E-05	0.	3.300E+04
7.451E-06	9.231E-05	5.144E-12	3.893E-02	9.040E-10	7.402E-09	1.317E-04	9.444E-11	0.	3.400E+04
5.917E-06	6.138E-05	1.638E-15	2.244E-11	3.012E-02	5.503E-10	8.416E-02	2.499E-04	2.200E-10	3.500E+04
4.777E-06	4.070E-05	6.078E-16	9.717E-13	2.308E-02	3.340E-10	9.022E-02	6.494E-04	6.708E-10	3.600E+04
3.910E-06	2.703E-05	2.212E-16	4.217E-13	1.760E-02	2.034E-10	9.472E-02	7.727E-04	3.101E-09	3.700E+04
3.261E-06	1.804E-05	8.166E-17	1.846E-13	1.340E-02	1.247E-10	9.788E-02	1.277E-02	1.014E-08	3.800E+04
2.753E-06	1.212E-05	3.074E-17	8.179E-14	1.022E-02	7.718E-11	9.985E-02	2.042E-03	3.098E-08	3.900E+04
2.354E-06	8.202E-06	1.180E-17	3.676E-14	7.816E-03	6.022E-11	1.007E-01	3.162E-03	8.097E-08	4.000E+04
2.036E-06	5.589E-06	4.616E-16	1.675E-14	5.990E-03	3.042E-11	1.006E-01	4.759E-03	2.407E-07	4.100E+04
1.781E-06	3.832E-06	1.837E-16	7.720E-15	4.598E-03	1.935E-11	9.938E-02	6.494E-03	6.163E-07	4.200E+04
1.573E-06	2.633E-06	7.413E-16	3.598E-15	3.530E-03	1.230E-11	9.707E-02	9.871E-03	1.499E-06	4.300E+04
1.402E-06	1.821E-06	3.019E-16	1.675E-15	2.707E-03	7.988E-12	9.363E-02	1.432E-02	3.441E-06	4.400E+04
1.260E-06	1.256E-06	1.235E-16	7.815E-16	2.068E-03	9.159E-12	8.903E-02	1.324E-02	7.310E-06	4.500E+04
1.140E-06	8.651F-07	5.055E-20	3.630E-16	1.971E-03	3.332E-12	8.336E-02	2.376E-02	1.561E-05	4.600E+04
1.038E-06	5.930E-07	2.059E-20	1.671E-16	1.105E-03	2.149E-12	7.675E-02	2.999E-02	3.004E-05	4.700E+04
9.500E-10	6.042F-07	6.329E-21	7.600E-17	6.861E-04	1.300E-12	6.947E-02	3.792E-02	5.807E-05	4.800E+04
8.730E-10	2.736E-07	3.337E-21	3.620E-17	6.569E-04	8.025E-13	6.102E-02	4.317E-02	1.049E-04	4.900E+04
8.085E-10	1.839E-07	1.324E-21	1.517E-17	6.827E-04	9.613E-13	5.941E-02	5.074E-02	1.801E-04	5.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+	
5.000E+02	0.	2.36E-01	1.351E-20	1.234E-34	6.480E-29	2.654E-21	5.727E-01	1.046E-18	1.924E-21	
6.000E+02	0.	4.587E-02	1.431E-17	0.594E-29	4.244E-25	1.966E-17	7.156E-01	8.753E-19	7.708E-21	
7.000E+02	0.	1.056E-02	1.681E-15	1.132E-24	1.705E-22	1.093E-14	7.421E-01	8.253E-19	2.645E-20	
8.000E+02	0.	3.268E-03	5.714E-14	1.365E-21	1.444E-20	1.254E-12	7.479E-01	7.023E-19	5.819E-20	
9.000E+02	0.	1.280E-03	8.758E-13	3.348E-19	4.506E-19	5.060E-11	7.490E-01	7.253E-19	1.111E-19	
1.000E+03	0.	5.974E-04	7.690E-12	2.783E-17	7.033E-18	9.835E-10	7.494E-01	6.549E-19	1.799E-19	
1.100E+03	0.	3.185E-04	4.565E-11	1.026E-15	6.664E-17	1.120E-08	7.498E-01	5.780E-19	2.556E-19	
1.200E+03	0.	1.881E-04	1.988E-10	2.069E-14	4.391E-16	8.545E-08	7.499E-01	5.024E-19	3.315E-19	
1.300E+03	0.	1.204E-04	6.920E-10	2.637E-13	2.135E-15	4.788E-07	7.499E-01	4.332E-19	4.015E-19	
1.400E+03	0.	8.215E-05	2.013E-09	2.325E-12	8.371E-15	2.105E-06	7.499E-01	3.730E-19	4.620E-19	
1.500E+03	0.	5.908E-05	9.078E-09	1.344E-11	2.745E-14	7.618E-06	7.499E-01	3.222E-19	5.140E-19	
1.600E+03	0.	5.526E-29	4.630E-05	1.140E-08	8.065E-11	7.781E-14	2.352E-05	7.499E-01	2.799E-19	5.582E-19
1.700E+03	0.	5.397E-26	3.443E-05	2.320E-08	3.469E-10	1.957E-13	6.373E-05	7.499E-01	2.450E-19	5.941E-19
1.800E+03	0.	2.449E-23	2.756E-05	4.390E-08	1.269E-09	4.453E-13	1.546E-04	7.499E-01	2.162E-19	6.239E-19
1.900E+03	0.	6.080E-21	2.261E-05	7.742E-08	4.050E-09	9.315E-13	3.431E-04	7.499E-01	1.937E-19	6.531E-19
2.000E+03	0.	5.375E-19	1.894E-05	1.290E-07	1.515E-08	1.813E-12	7.029E-04	7.499E-01	2.816E-19	1.092E-18
2.100E+03	0.	7.785E-18	1.615E-05	2.046E-07	2.961E-08	3.318E-12	1.346E-03	7.488E-01	1.384E-18	6.969E-18
2.200E+03	0.	6.326E-17	1.398E-05	3.111E-07	9.987E-08	5.752E-12	2.431E-03	7.479E-01	1.070E-17	2.204E-17
2.300E+03	0.	4.146E-16	1.225E-05	4.556E-07	1.529E-07	9.510E-12	4.173E-03	7.446E-01	6.360E-17	3.490E-16
2.400E+03	0.	2.322E-15	1.084E-05	6.453E-07	3.134E-07	1.507E-11	6.064E-03	7.446E-01	3.276E-16	1.981E-15
2.500E+03	0.	1.135E-14	9.664E-06	8.871E-07	6.057E-07	2.300E-11	1.060E-02	7.405E-01	1.402E-15	9.008E-15
2.600E+03	0.	4.916E-14	8.666E-06	1.187E-06	1.111E-06	3.390E-11	1.463E-02	7.354E-01	9.975E-15	4.299E-14
2.700E+03	0.	1.914E-13	7.803E-06	1.568E-06	1.944E-06	4.840E-11	2.420E-02	7.288E-01	2.172E-14	1.691E-13
2.800E+03	0.	6.766E-13	7.059E-06	1.972E-06	3.260E-06	6.707E-11	3.463E-02	7.197E-01	6.039E-14	6.039E-13
2.900E+03	0.	2.194E-12	6.340E-06	2.455E-06	5.25WE-06	0.030E-11	4.824E-02	7.078E-01	2.108E-13	1.974E-12
3.000E+03	0.	6.579E-12	5.697E-06	2.991E-06	8.181E-06	1.183E-10	6.555E-02	6.924E-01	6.165E-13	5.964E-12
3.100E+03	0.	1.837E-11	5.096E-06	3.586E-06	1.231E-05	1.509E-10	8.704E-02	6.730E-01	1.619E-12	1.678E-11
3.200E+03	0.	4.609E-11	4.526E-06	4.163E-06	1.792E-05	1.875E-10	1.131E-01	6.510E-01	3.763E-12	4.422E-11
3.300E+03	0.	1.184E-10	3.984E-06	4.756E-06	2.541E-05	2.270E-10	1.439E-01	6.240E-01	9.223E-12	1.098E-10
3.400E+03	0.	2.746E-10	3.467E-06	5.323E-06	3.498E-05	2.677E-10	1.798E-01	5.920E-01	2.019E-11	2.578E-10
3.500E+03	0.	6.143E-10	2.979E-06	5.828E-06	4.880E-05	3.077E-10	2.199E-01	5.575E-01	4.190E-11	5.755E-10
3.600E+03	0.	1.301E-09	2.521E-06	6.265E-06	6.120E-05	3.444E-10	2.644E-01	5.180E-01	3.271E-11	1.224E-09
3.700E+03	0.	2.636E-09	2.099E-06	6.584E-06	7.816E-05	3.702E-10	3.129E-01	4.764E-01	1.557E-10	2.490E-09
3.800E+03	0.	5.137E-09	1.717E-06	6.721E-06	9.761E-05	4.006E-10	3.626E-01	4.324E-01	2.804E-10	4.880E-09
3.900E+03	0.	9.632E-09	1.380E-06	6.753E-06	1.188E-04	4.164E-10	4.141E-01	3.875E-01	4.837E-10	9.208E-09
4.000E+03	0.	1.746E-08	1.089E-06	6.648E-06	1.419E-04	4.229E-10	4.634E-01	3.425E-01	8.014E-10	1.674E-08
4.100E+03	0.	3.054E-08	8.437E-07	6.420E-06	1.663E-04	4.205E-10	5.153E-01	2.980E-01	1.278E-09	2.944E-08
4.200E+03	0.	5.189E-08	6.492E-07	6.090E-06	1.916E-04	4.101E-10	5.624E-01	2.579E-01	1.968E-09	5.019E-08
4.300E+03	0.	8.570E-08	4.833E-07	5.685E-06	2.173E-04	3.932E-10	6.059E-01	2.194E-01	2.932E-09	8.315E-08
4.400E+03	0.	1.379E-07	3.586E-07	5.233E-06	2.430E-04	3.715E-10	6.446E-01	1.853E-01	4.237E-09	1.341E-07
4.500E+03	0.	2.165E-07	2.635E-07	4.762E-06	2.685E-04	3.444E-10	6.793E-01	1.540E-01	5.950E-09	2.111E-07
4.600E+03	0.	3.324E-07	1.923E-07	4.292E-06	2.932E-04	3.200E-10	7.089E-01	1.207E-01	8.169E-09	3.246E-07
4.700E+03	0.	5.001E-07	1.380E-07	3.840E-06	3.180E-04	2.955E-10	7.340E-01	1.045E-01	1.066E-08	4.690E-07
4.800E+03	0.	7.382E-07	1.014E-07	3.618E-06	3.418E-04	2.689E-10	7.548E-01	8.787E-02	1.442E-08	7.224E-07
4.900E+03	0.	1.071E-06	7.357E-08	3.037E-06	3.649E-04	2.445E-10	7.720E-01	7.243E-02	1.063E-08	1.040E-06
5.000E+03	0.	1.529E-06	5.330E-08	2.660E-06	3.873E-04	2.217E-10	7.859E-01	5.972E-02	2.372E-08	1.097E-06
5.100E+03	0.	2.986E-06	2.090E-08	2.090E-06	4.300E-04	2.018E-10	8.014E-01	4.080E-02	3.684E-08	2.917E-06
5.200E+03	0.	5.541E-06	1.562E-08	1.630E-06	4.694E-04	1.678E-10	8.183E-01	2.820E-02	5.505E-08	5.393E-06
5.300E+03	0.	9.846E-06	8.723E-09	1.276E-06	5.050E-04	1.201E-10	8.251E-01	1.974E-02	7.900E-08	9.317E-06
5.400E+03	0.	1.681E-05	4.980E-09	9.989E-07	3.358E-04	9.715E-11	8.279E-01	1.407E-02	1.101E-07	1.612E-05
5.500E+03	0.	2.774E-05	2.900E-09	7.844E-07	5.606E-04	7.810E-11	8.274E-01	1.017E-02	1.492E-07	2.629E-05
5.600E+03	0.	4.622E-05	1.716E-09	6.162E-07	5.767E-04	6.219E-11	8.246E-01	7.621E-03	1.572E-07	4.140E-05
5.700E+03	0.	9.194E-05	1.032E-09	4.832E-07	5.883E-04	6.889E-11	8.201E-01	5.550E-03	2.551E-07	8.347E-05
5.800E+03	0.	1.052E-04	6.268E-10	3.777E-07	5.887E-04	3.783E-11	8.138E-01	4.183E-03	3.234E-07	9.444E-05
5.900E+03	0.	1.562E-06	3.839E-10	2.938E-07	5.796E-04	2.872E-11	8.063E-01	3.191E-03	4.029E-07	1.370E-04
6.000E+03	0.	2.274E-06	2.367E-10	2.272E-07	5.611E-04	2.136E-11	7.982E-01	2.465E-03	4.944E-07	1.944E-04
6.100E+03	0.	3.246E-06	1.469E-10	1.766E-07	5.362E-04	1.553E-11	7.900E-01	1.920E-03	5.899E-07	2.704E-04
6.200E+03	0.	6.552E-06	9.199E-11	1.335E-07	5.007E-04	1.100E-11	7.820E-01	1.527E-03	3.695E-07	7.102E-04
6.300E+03	0.	6.270E-06	7.679E-11	1.017E-07	6.624E-04	7.750E-12	7.767E-01	1.224E-03	8.541E-07	4.973E-04
6.400E+03	0.	8.516E-06	3.637E-11	7.729E-08	4.217E-04	5.352E-12	7.606E-01	9.930E-04	1.009E-04	6.002E-04
6.500E+03	0.	1.139E-03	2.362E-11	5.070E-08	3.025E-04	3.058E-12	7.521E-01	8.165E-04	1.188E-04	8.595E-04
6.600E+03	0.	1.502E-03	1.515E-11	4.670E-08	3.460E-04	2.458E-12	7.587E-01	6.703E-04	1.208E-04	1.230E-04
6.700E+03	0.	1.936E-03	9.975E-12	3.417E-08	3.002E-04	1.689E-12	7.552E-01	5.492E-04	1.613E-04	1.601E-03
6.800E+03	0.	2.317E-03	6.336E-12	2.627E-08	2.756E-04	1.515E-12	7.522E-01	4.819E-04	1.068E-04	1.831E-03
6.900E+03	0.	3.202E-03	4.673E-12	2.031E-08	2.644E-04	7.800E-13	7.500E-01	4.113E-04	2.152E-04	2.309E-03
7.000E+03	0.	6.031E-03	3.059E-12	1.581E-08	2.004E-04	5.644E-13	7.472E-01	3.534E-04	2.667E-04	2.675E-03
7.100E+03	0.	9.295E-03	2.116E-12	1.239E-08	1.975E-04	3.701E-13	7.450E-01	2.059E-04	3.013E-04	3.559E-03
7.200E+03	0.	6.277E-03	1.406E-12	9.777E-09	1.773E-04	2.063E-13	7.427E-01	1.261E-04	3.192E-04	4.260E-03
7.300E+03	0.	7.602E-03	1.046E-12	7.763E-09	1.599E-04	1.880E-13	7.402E-01	8.220E-04	3.004E-04	5.105E-03
7.400E+03	0.	9.239E-03	7.466E-13	6.202E-09	1.428E-04	1.349E-13	7.376E-01	5.202E-04	4.068E-04	6.407E-03
7.500E+03	0.	1.113E-02	5.616E-13	4.683E-09	1.290E-04	9.720E-14	7.346E-01	3.000E-04	4.529E-04	7.602E-03
7.600E+03	0.	2.558E-02	1.198E-13	7.033E-09	7.003E-05	2.096E-14	7.136E-01	1.001E-04	7.362E-04	1.729E-02
7.700E+03	0.	5.000E-02	2.998E-14	6.805E-10	6.973E-05	9.013E-15	6.779E-01	5.703E-05	1.071E-05	3.295E-02
7.800E+03	0.	6.900E-02	7.670E-15	2.39						

TABLE II.- Continued

P/PD = 4.00E+00

H	N	N2	N2+	N+	N-	N++	N---	T
0.	0.	1.009E-01	4.998E-21	0.	0.	0.	0.	9.000E+02
0.	0.	2.385E-C1	7.538E-21	0.	0.	0.	0.	6.000E+02
0.	1.666E-13	2.674E-01	1.079E-20	0.	0.	0.	0.	7.000E+02
0.	4.226E-29	2.692E-01	1.394E-20	0.	0.	0.	0.	8.000E+02
0.	1.280E-25	2.497E-01	1.637E-20	0.	0.	0.	0.	9.000E+02
0.	7.434E-23	2.499E-01	1.779E-20	0.	0.	0.	0.	1.000E+03
0.	1.364E-20	2.199E-01	1.822E-20	0.	0.	0.	0.	1.100E+03
0.	1.053E-18	2.500E-01	1.780E-20	0.	0.	0.	0.	1.200E+03
0.	4.180E-17	2.500E-01	1.700E-20	3.624E-32	0.	0.	0.	1.300E+03
0.	9.430E-16	2.500E-01	1.589E-20	4.004E-31	0.	0.	0.	1.400E+03
0.	1.520E-16	2.500E-01	1.671E-20	3.248E-30	0.	0.	0.	1.500E+03
0.	1.873E-13	2.500E-01	1.355E-20	1.975E-29	0.	0.	0.	1.600E+03
0.	1.390E-12	2.500E-01	1.247E-20	9.622E-29	0.	0.	0.	1.700E+03
1.052E-26	9.138E-12	2.500E-01	1.149E-20	3.903E-28	0.	0.	0.	1.800E+03
3.853E-24	4.933E-11	2.500E-01	1.069E-20	1.369E-27	0.	0.	0.	1.900E+03
4.883E-22	2.252E-10	2.499E-01	1.606E-20	6.791E-27	3.645E-30	0.	0.	2.000E+03
9.766E-21	9.900E-10	2.498E-01	9.300E-20	1.160E-25	1.931E-26	0.	0.	2.100E+03
1.055E-19	3.107E-39	2.497E-01	6.655E-19	2.152E-24	5.075E-27	0.	0.	2.200E+03
6.459E-19	9.732E-19	2.495E-01	3.929E-18	3.216E-23	9.677E-26	0.	0.	2.300E+03
6.333E-18	2.773E-08	2.491E-01	2.069E-17	3.861E-22	1.435E-26	0.	0.	2.400E+03
3.813E-17	7.205E-08	2.486E-01	9.557E-17	3.809E-21	1.712E-23	0.	0.	2.500E+03
1.995E-16	1.768E-07	2.479E-01	3.933E-16	3.157E-20	1.683E-22	0.	0.	2.600E+03
9.199E-16	4.246E-07	2.470E-01	1.659E-15	2.242E-19	1.394E-21	0.	0.	2.700E+03
3.790E-15	8.643E-17	2.457E-01	4.939E-15	1.387E-18	4.904E-21	0.	0.	2.800E+03
1.409E-14	1.759E-16	2.446E-01	1.537E-14	7.577E-18	6.124E-20	0.	0.	2.900E+03
4.776E-14	3.411E-16	2.418E-01	4.446E-14	3.794E-17	3.344E-19	0.	0.	3.000E+03
1.492E-13	6.332E-16	2.391E-01	1.293E-13	1.630E-16	1.629E-18	0.	0.	3.100E+03
4.278E-13	1.129E-15	2.358E-01	3.056E-13	6.611E-16	7.156E-18	0.	0.	3.200E+03
1.145E-12	1.941E-15	2.320E-01	7.362E-13	2.457E-15	2.859E-17	0.	0.	3.300E+03
2.886E-12	3.220E-15	2.275E-01	1.076E-12	8.473E-15	1.047E-16	0.	0.	3.400E+03
6.736E-12	5.203E-15	2.225E-01	3.653E-12	2.729E-14	3.539E-16	0.	0.	3.500E+03
1.462E-11	8.153E-15	2.169E-01	7.631E-12	8.257E-14	1.111E-15	0.	0.	3.600E+03
3.127E-11	1.245E-14	2.108E-01	1.534E-11	2.361E-13	3.255E-16	0.	0.	3.700E+03
6.219E-11	1.855E-14	2.045E-01	2.978E-11	6.407E-13	8.955E-15	0.	0.	3.800E+03
1.177E-10	2.735E-14	1.988E-01	5.602E-11	1.658E-12	2.323E-14	0.	0.	3.900E+03
2.126E-10	3.866E-14	1.915E-01	1.024E-10	4.111E-12	5.709E-14	0.	0.	4.000E+03
9.677E-10	5.927E-04	1.652E-01	1.026E-10	9.793E-12	1.334E-13	0.	0.	4.100E+03
6.106E-10	7.493E-14	1.791E-01	3.182E-10	2.250E-11	2.973E-13	0.	0.	4.200E+03
9.762E-10	1.319E-13	1.733E-01	5.933E-10	4.998E-11	6.362E-13	0.	0.	4.300E+03
1.500E-09	1.304E-13	1.884E-01	9.194E-10	1.076E-10	1.309E-12	0.	0.	4.400E+03
2.250E-09	1.413E-13	1.633E-01	1.500E-09	2.251E-10	2.596E-12	0.	0.	4.500E+03
3.202E-09	2.378E-03	1.598E-01	2.532E-09	4.582E-10	5.002E-12	0.	0.	4.600E+03
6.656E-09	3.000E-09	1.562E-01	3.083E-09	9.086E-10	9.323E-12	0.	0.	4.700E+03
6.451E-09	3.953E-09	1.533E-01	6.108E-09	1.758E-09	1.688E-11	0.	0.	4.800E+03
8.762E-09	5.024E-09	1.502E-01	9.669E-09	3.320E-09	2.982E-11	0.	0.	4.900E+03
1.169E-08	6.337E-09	1.478E-01	1.667E-08	6.131E-09	5.137E-11	0.	0.	5.000E+03
1.949E-08	9.405E-08	1.429E-01	3.238E-08	1.958E-08	1.625E-10	0.	0.	5.200E+03
3.200E-08	1.468E-02	1.363E-01	6.851E-08	5.760E-08	3.646E-10	0.	0.	5.400E+03
6.490E-08	2.130E-02	1.333E-01	1.371E-07	1.570E-07	8.670E-10	0.	0.	5.600E+03
7.352E-08	3.030E-02	1.275E-01	2.599E-07	3.982E-07	1.929E-09	1.249E-25	0.	0.
1.060E-07	4.105E-02	1.206E-01	4.667E-07	9.447E-07	4.035E-09	1.404E-26	0.	0.
1.488E-07	5.459E-02	1.125E-01	7.961E-07	2.103E-06	7.970E-09	1.342E-23	0.	0.
2.030E-07	7.360E-02	1.030E-01	1.200E-06	6.410E-06	1.449E-04	1.102E-22	0.	0.
2.711E-07	8.874E-02	6.245E-02	1.956E-C6	8.729E-06	2.659E-06	7.870E-22	0.	0.
3.590E-07	1.350E-01	8.076E-02	2.624E-06	1.636E-05	4.590E-08	6.934E-21	0.	0.
4.639E-07	1.292E-01	6.910E-02	3.070E-06	2.910E-05	7.284E-08	2.740E-20	0.	0.
5.902E-07	1.498E-02	5.735E-02	5.062E-05	4.625E-05	1.246E-07	1.359E-19	0.	0.
7.465E-07	1.646E-01	6.631E-02	6.231E-04	7.959E-05	1.668E-07	6.070E-19	0.	0.
9.175E-07	1.659E-01	3.645E-02	7.350E-04	1.233E-03	2.375E-07	2.470E-18	0.	0.
1.124E-06	2.344E-01	2.056E-02	8.319E-04	1.837E-04	3.263E-07	9.201E-18	0.	0.
1.363E-06	2.122E-02	2.124E-02	9.095E-03	2.647E-04	4.341E-07	3.149E-17	0.	0.
1.637E-06	2.213E-01	1.509E-02	9.666E-06	3.705E-04	5.610E-07	1.017E-16	0.	0.
1.947E-06	2.262E-01	1.180E-02	1.005E-05	5.059E-04	7.103E-07	3.043E-16	0.	0.
2.297E-06	2.333E-01	8.769E-03	1.028E-05	8.762E-04	8.803E-07	8.716E-16	0.	0.
2.667E-06	2.368E-01	6.493E-03	1.039E-05	8.767E-04	1.037E-06	2.355E-15	0.	0.
3.119E-06	2.333E-01	6.438E-03	1.0161E-05	1.147E-05	1.280E-06	6.072E-14	0.	0.
3.593E-06	2.422E-01	3.020E-03	1.0339E-05	1.661E-03	1.920E-06	1.459E-14	0.	0.
4.110E-06	2.411E-01	2.727E-03	1.0295E-05	1.866E-03	1.792E-06	3.559E-14	0.	0.
4.670E-06	4.621E-01	2.068E-03	1.0125E-05	2.292E-03	2.081E-06	8.143E-14	0.	0.
5.270E-06	2.420E-01	1.579E-03	9.954E-06	2.622E-03	2.395E-06	1.001E-13	0.	0.
5.911E-06	2.418E-01	1.213E-03	9.771E-06	3.645E-03	2.727E-06	9.857E-13	0.	0.
6.660E-06	2.366E-01	3.567E-04	8.654E-06	8.206E-03	4.725E-06	1.140E-11	0.	0.
1.308E-05	2.202E-01	1.737E-04	7.330E-04	1.687E-02	6.942E-06	1.959E-10	0.	0.
1.710E-05	1.479E-01	4.051E-05	5.706E-04	2.993E-02	8.771E-06	2.146E-09	5.159E-24	0.
1.887E-05	1.675E-01	1.022E-C5	4.104E-05	4.705E-02	9.946E-06	1.671E-08	6.301E-22	0.
1.831E-05	1.327E-01	6.651E-06	7.735E-06	8.629E-02	8.438E-06	9.858E-08	6.224E-20	0.
1.942E-05	9.761E-02	1.463E-06	1.007E-06	8.667E-02	7.229E-06	6.632E-07	1.754E-18	0.
1.140E-05	6.731E-02	4.184E-07	8.495E-07	9.934E-02	9.129E-06	1.008E-06	4.937E-17	0.
6.043E-06	6.452E-02	1.1485E-07	4.199E-07	1.049E-01	3.260E-06	6.085E-06	1.010E-19	0.
9.091E-06	2.300E-02	3.229E-08	2.008E-07	1.162E-01	1.977E-06	1.817E-05	1.582E-16	0.
3.087E-06	1.662E-02	9.232E-08	9.810E-08	1.199E-01	1.194E-06	4.917E-05	1.967E-19	0.

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	4.642E-01	2.837E-21	4.286E-15	3.752E-08	2.225E-22	5.969E-02	4.268E-08	2.976E-06	3.421E-01
2.200E+04	4.757E-01	3.860E-22	9.615E-16	1.468E-08	2.874E-23	4.096E-02	1.651E-08	1.634E-06	3.523E-01
2.300E+04	4.882E-01	5.790E-23	2.319E-16	6.015E-09	1.119E-24	2.870E-02	6.657E-09	1.048E-06	3.589E-01
2.400E+04	4.844E-01	9.628E-24	6.038E-17	2.583E-09	1.196E-25	2.060E-02	2.814E-09	6.840E-07	3.631E-01
2.500E+04	4.923E-01	1.770E-24	1.692E-17	1.160E-09	1.158E-25	1.516E-02	1.248E-09	4.552E-07	3.656E-01
2.600E+04	4.955E-01	3.573E-25	5.076E-18	5.419E-10	2.231E-26	1.146E-02	5.799E-10	3.091E-07	3.670E-01
2.700E+04	4.986E-01	7.435E-26	1.613E-18	2.614E-10	4.633E-27	8.827E-03	2.819E-10	2.140E-07	3.672E-01
2.800E+04	5.022E-01	1.845E-26	5.387E-19	1.295E-10	1.019E-27	6.960E-03	1.424E-10	1.509E-07	3.684E-01
2.900E+04	5.064E-01	4.605E-27	1.868E-19	6.509E-11	3.238E-28	5.956E-03	7.477E-11	1.081E-07	3.684E-01
3.000E+04	5.113E-01	1.205E-27	6.664E-20	3.297E-11	9.440E-29	4.578E-03	6.049E-11	7.045E-08	3.620E-01
3.100E+04	5.168E-01	3.268E-28	2.423E-20	1.672E-11	1.281E-29	3.805E-03	2.201E-11	9.802E-08	3.586E-01
3.200E+04	5.224E-01	9.133E-29	8.937E-21	8.447E-12	3.013E-30	3.207E-03	1.317E-11	4.339E-08	3.548E-01
3.300E+04	5.283E-01	2.619E-29	3.334E-21	6.251E-12	7.065E-31	2.736E-03	7.817E-12	3.288E-08	3.510E-01
3.400E+04	5.334E-01	7.704E-30	1.259E-21	2.134E-12	1.657E-31	2.361E-03	4.754E-12	2.525E-08	3.474E-01
3.500E+04	5.382E-01	2.330E-30	4.827E-22	1.073E-12	3.911E-32	2.058E-03	2.960E-12	1.984E-08	3.443E-01
3.600E+04	5.420E-01	7.256E-31	1.884E-22	9.204E-13	9.369E-33	1.810E-03	1.863E-12	1.547E-08	3.417E-01
3.700E+04	5.451E-01	2.333E-31	7.511E-23	2.764E-13	2.295E-33	1.605E-03	1.222E-12	1.233E-08	3.394E-01
3.800E+04	5.476E-01	7.754E-32	3.065E-23	1.427E-13	0.	1.433E-03	0.083E-13	9.926E-09	3.378E-01
3.900E+04	5.497E-01	2.666E-32	1.282E-23	7.477E-14	0.	1.288E-03	5.449E-13	0.072E-09	3.364E-01
4.000E+04	5.515E-01	9.677E-33	5.470E-23	3.977E-14	4.048E-35	1.165E-03	3.721E-13	6.622E-09	3.352E-01
4.100E+04	5.531E-01	3.470E-33	2.414E-24	2.160E-14	0.	1.059E-03	5.504E-13	4.747E-09	3.341E-01
4.200E+04	5.547E-01	1.315E-33	1.084E-24	1.777E-15	3.231E-36	9.665E-04	1.819E-13	6.560E-09	3.330E-01
4.300E+04	5.564E-01	5.111E-34	4.972E-25	6.531E-15	0.	8.860E-04	1.290E-13	3.022E-09	3.310E-01
4.400E+04	5.582E-01	2.035E-34	2.321E-25	3.664E-15	2.884E-37	8.159E-04	9.368E-14	3.222E-09	3.309E-01
4.500E+04	5.603E-01	8.276E-35	1.101E-25	2.076E-15	0.	7.527E-04	6.839E-14	2.729E-09	3.290E-01
4.600E+04	5.627E-01	3.426E-35	5.281E-26	1.818E-15	0.	6.969E-04	5.059E-14	2.323E-09	3.273E-01
4.700E+04	5.653E-01	0.	2.559E-26	6.751E-16	0.	6.471E-04	3.759E-14	1.906E-09	3.253E-01
4.800E+04	5.683E-01	0.	1.249E-26	3.866E-16	0.	6.022E-04	2.826E-14	1.704E-09	3.232E-01
4.900E+04	5.714E-01	0.	6.130E-27	2.219E-16	0.	5.618E-04	1.464E-14	1.464E-09	3.209E-01
5.000E+04	5.745E-01	0.	3.021E-27	1.268E-16	0.	5.252E-04	1.640E-14	1.270E-09	3.186E-01

P/P0 = 5.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+	
5.000E+02	0.	2.731E-01	1.412E-20	1.180E-34	7.402E-29	2.321E-21	5.475E-01	1.075E-18	1.089E-21	
6.000E+02	0.	5.611E-02	1.575E-17	8.501E-29	5.191E-25	1.749E-17	7.079E-01	8.047E-19	7.084E-21	
7.000E+02	0.	1.313E-02	1.872E-15	1.130E-25	2.120E-22	9.766E-15	7.402E-01	6.299E-19	2.702E-20	
8.000E+02	0.	4.078E-03	6.380E-16	1.363E-21	1.804E-20	1.123E-22	7.460E-01	7.886E-19	5.245E-20	
9.000E+02	0.	1.549E-03	9.787E-13	3.383E-19	5.629E-19	6.553E-11	7.460E-01	7.356E-19	1.008E-19	
1.000E+03	0.	7.466E-04	8.595E-12	2.782E-19	8.789E-18	8.796E-10	7.464E-01	6.498E-19	1.642E-19	
1.100E+03	0.	3.981E-04	5.081E-11	1.026E-15	9.567E-17	1.002E-08	7.497E-01	5.970E-19	2.362E-19	
1.200E+03	0.	2.351E-04	2.223E-10	2.069E-14	5.438E-16	7.643E-09	7.498E-01	5.239E-19	3.093E-19	
1.300E+03	0.	1.535E-04	7.379E-10	2.635E-13	2.466E-15	6.283E-07	7.499E-01	4.559E-19	3.779E-19	
1.400E+03	0.	1.027E-04	2.251E-09	1.326E-12	1.666E-14	1.888E-06	7.499E-01	3.957E-19	4.391E-19	
1.500E+03	0.	7.382E-05	5.677E-09	1.546E-11	3.431E-14	6.812E-06	7.499E-01	3.441E-19	4.910E-19	
1.600E+03	0.	5.530E-05	1.275E-09	6.056E-11	9.724E-14	2.104E-05	7.499E-01	3.007E-19	5.366E-19	
1.700E+03	0.	4.304E-05	2.603E-08	3.466E-10	2.466E-13	5.700E-05	7.499E-01	2.645E-19	5.737E-19	
1.800E+03	0.	1.841E-05	3.465E-09	4.908E-09	1.269E-13	5.567E-13	7.499E-01	2.343E-19	6.040E-19	
1.900E+03	0.	4.465E-05	2.826E-05	6.050E-09	1.164E-12	3.096E-04	7.497E-01	2.103E-19	6.341E-19	
2.000E+03	0.	6.281E-05	1.446E-07	1.151E-08	2.167E-12	6.287E-04	7.494E-01	2.020E-19	9.809E-19	
2.100E+03	0.	6.602E-05	2.020E-05	2.248E-07	2.941E-08	6.148E-12	1.204E-03	7.488E-01	1.494E-18	
2.200E+03	0.	5.630E-05	1.748E-05	3.479E-07	6.988E-08	7.193E-12	2.175E-03	7.481E-01	1.003E-17	
2.300E+03	0.	1.532E-05	9.096E-07	1.530E-07	1.190E-11	3.733E-03	4.676E-01	5.963E-17	2.926E-16	
2.400E+03	0.	1.982E-05	1.356E-05	7.222E-07	3.136E-07	6.127E-03	7.464E-01	3.076E-16	1.662E-15	
2.500E+03	0.	6.678E-05	2.111E-05	9.935E-07	6.063E-07	2.881E-03	6.664E-03	7.419E-01	1.392E-15	
2.600E+03	0.	6.19	-14	1.928E-05	1.330E-06	1.113E-06	6.253E-03	1.671E-02	7.371E-01	9.610E-15
2.700E+03	0.	1.633E-13	9.040E-06	1.737E-06	1.948E-06	6.077E-11	2.160E-02	1.310E-01	1.044E-14	
2.800E+03	0.	5.766E-13	8.860E-06	2.126E-06	3.270E-06	6.424E-11	3.104E-02	7.228E-01	6.777E-14	
2.900E+03	0.	1.870E-12	8.008E-06	2.765E-06	5.281E-06	1.139E-10	4.328E-02	7.121E-01	2.066E-13	
3.000E+03	0.	5.608E-12	7.224E-06	3.378E-06	6.229E-06	4.666E-06	6.888E-02	5.895E-01	6.834E-13	
3.100E+03	0.	1.567E-11	6.493E-06	4.042E-06	1.241E-05	1.917E-10	7.830E-02	6.813E-01	1.536E-12	
3.200E+03	0.	6.103E-11	5.403E-06	4.738E-06	1.814E-05	3.039E-10	1.019E-01	6.602E-01	3.700E-12	
3.300E+03	0.	1.313E-10	5.146E-06	5.466E-06	2.576E-05	2.914E-10	3.000E-01	6.362E-01	8.009E-12	
3.400E+03	0.	2.366E-10	4.519E-06	6.128E-06	3.558E-05	3.462E-10	1.622E-01	6.076E-01	1.936E-11	
3.500E+03	0.	5.259E-10	3.923E-06	6.760E-06	4.700E-05	4.013E-01	1.998E-01	5.751E-01	6.039E-11	
3.600E+03	0.	1.116E-09	3.362E-06	6.289E-05	4.537E-10	2.411E-01	5.390E-01	6.021E-11	1.043E-09	
3.700E+03	0.	2.266E-09	2.838E-06	7.735E-06	6.065E-05	5.007E-01	2.860E-01	6.957E-01	1.520E-09	
3.800E+03	0.	6.623E-09	2.359E-06	8.024E-06	1.011E-04	5.395E-01	3.337E-01	6.579E-01	4.100E-09	
3.900E+03	0.	8.315E-09	1.424E-06	8.157E-06	1.241E-04	5.678E-10	3.831E-01	6.146E-01	6.707E-10	
4.000E+03	0.	1.549E-08	1.313E-06	8.431E-06	1.492E-04	5.844E-10	4.331E-01	5.700E-01	8.020E-10	
4.100E+03	0.	2.651E-08	1.224E-06	7.954E-06	1.761E-04	5.888E-10	6.825E-01	3.275E-01	1.292E-09	
4.200E+03	0.	9.512E-08	9.512E-07	6.644E-06	2.042E-04	5.821E-10	5.700E-01	2.859E-01	2.009E-09	
4.300E+03	0.	7.693E-08	7.228E-06	2.330E-06	5.653E-10	5.747E-01	2.447E-01	3.021E-01	7.226E-08	
4.400E+03	0.	1.232E-07	5.508E-07	6.737E-06	2.622E-06	5.460E-10	6.156E-01	2.107E-01	4.608E-09	
4.500E+03	0.	1.901E-07	6.120E-07	6.201E-06	2.913E-06	5.106E-10	6.523E-01	1.784E-01	6.259E-09	
4.600E+03	0.	2.927E-07	3.056E-07	5.649E-06	3.200E-06	6.768E-10	6.846E-01	6.000E-01	6.654E-09	
4.700E+03	0.	4.413E-07	2.253E-07	5.103E-06	3.482E-06	4.619E-10	7.124E-01	1.254E-01	1.170E-08	
4.800E+03	0.	6.528E-07	4.580E-07	4.580E-06	3.759E-06	4.067E-10	7.360E-01	1.044E-01	1.372E-07	

TABLE II.- Continued

H-	N	N2	N2+	N6	N-	N6+	N6+	N6++	N6++	T
1.842E-06	1.230E-02	2.791E-09	4.7C2E-08	1.210E-31	6.720E-07	1.224E-04	1.999E-12	0.	2.100E+00	
1.102E-06	7.995E-03	9.024E-10	2.379E-08	1.220E-01	3.963E-07	2.833E-04	1.689E-11	0.	2.200E+00	
0.692E-07	5.633E-03	3.125E-10	1.248E-08	1.231E-01	2.387E-07	6.137E-04	1.204E-10	0.	2.300E+00	
0.140E-07	3.827E-03	1.154E-10	6.773E-09	1.220E-01	1.473E-07	1.251E-03	7.433E-10	0.	2.400E+00	
4.633E-07	2.741E-03	6.513E-11	3.782E-09	1.216E-01	9.299E-08	2.411E-03	3.979E-09	0.	2.500E+00	
1.714E-07	1.999E-03	1.867E-11	2.154E-09	1.197E-01	5.993E-08	4.398E-03	1.892E-08	0.	2.600E+00	
1.116E-07	1.475E-03	7.613E-12	1.239E-09	1.162E-01	3.924E-08	7.596E-03	7.942E-08	0.	2.700E+00	
7.842E-08	1.095E-03	3.366E-12	7.101E-10	1.110E-01	2.949E-08	1.240E-02	2.961-07	0.	2.800E+00	
9.508E-08	8.110E-04	1.454E-12	4.032E-13	1.095E-01	1.720E-08	1.911E-02	9.917E-07	0.	2.900E+00	
3.962E-08	5.953E-04	6.207E-13	2.190E-10	9.387E-02	1.133E-08	2.771E-02	2.949E-06	0.	3.000E+00	
2.916E-08	4.306E-04	2.589E-13	1.193E-10	8.255E-02	7.424E-09	3.763E-02	6.001E-06	0.	3.100E+00	
2.143E-08	3.061E-04	1.049E-13	5.811E-11	7.026E-02	4.780E-09	4.873E-02	1.959E-05	0.	3.200E+00	
1.682E-08	2.138E-04	4.125E-14	2.812E-11	5.811E-02	3.044E-09	5.955E-02	4.372E-05	0.	3.300E+00	
1.314E-08	1.470E-04	1.582E-14	1.315E-11	4.686E-02	1.910E-09	6.952E-02	6.044E-05	2.824E-11	3.400E+00	
1.045E-08	1.000E-04	5.971E-15	5.994E-12	3.705E-02	1.188E-09	7.814E-02	1.751E-04	1.214E-10	3.500E+00	
8.446E-09	6.762E-05	2.235E-15	2.006E-12	2.891E-02	7.346E-10	8.921E-02	3.201E-04	6.724E-10	3.600E+00	
6.933E-09	4.563E-05	8.401E-16	1.207E-12	2.238E-02	4.558E-10	9.074E-02	5.977E-04	1.686E-09	3.700E+00	
5.775E-09	3.086E-05	9.186E-16	5.619E-13	1.726E-02	2.034E-10	9.467E-02	9.324E-04	5.569E-09	3.800E+00	
4.877E-09	2.096E-05	1.222E-16	2.653E-13	1.330E-02	1.774E-10	9.774E-02	1.504E-03	1.711E-08	3.900E+00	
4.171E-09	1.632E-05	4.796E-17	1.124E-13	1.026E-02	1.114E-10	9.950E-02	2.344E-03	6.960E-08	4.000E+00	
3.610E-09	9.645E-06	9.910E-17	5.211E-14	7.935E-03	7.125E-11	1.002E-01	3.563E-03	1.396E-07	4.100E+00	
3.158E-09	6.810E-06	7.739E-18	4.666E-14	6.146E-13	6.376E-11	9.991E-02	5.254E-03	3.595E-07	4.200E+00	
2.789E-09	6.735E-06	3.103E-18	1.195E-14	7.666E-13	2.959E-11	9.859E-02	7.542E-03	8.934E-07	4.300E+00	
2.448E-09	3.303E-06	3.225E-18	5.532E-15	3.496E-03	1.924E-11	9.621E-02	1.054E-02	2.024E-06	4.400E+00	
2.232E-09	2.308E-06	5.950E-19	2.668E-15	2.066E-03	1.295E-11	9.275E-02	1.432E-02	6.439E-06	4.500E+00	
2.119E-09	1.612E-16	2.342E-15	1.267E-15	2.206E-03	8.265E-12	8.810E-02	1.894E-02	6.372E-06	4.600E+00	
1.634E-09	1.124E-16	9.858E-20	6.030E-16	1.692E-03	5.618E-12	8.262E-02	2.433E-02	1.804E-05	4.700E+00	
1.462E-09	7.797E-07	6.133E-20	2.847E-16	1.296E-03	3.931E-12	7.621E-02	3.043E-02	3.622E-05	4.800E+00	
1.354E-09	5.381E-07	1.721E-20	1.331E-16	9.765E-04	2.301E-12	6.918E-02	3.694E-02	6.631E-05	4.900E+00	
1.262E-09	3.691E-07	7.104E-21	6.164E-17	7.303E-04	1.493E-12	4.181E-02	4.371E-02	1.170E-04	5.000E+00	

P/P0 = 9.00E+00

H-	N	N2	N2+	N6	H-	N6+	N6+	N6++	N6++	T
0.	3.	1.645E-01	5.135E-21	0.	0.	0.	0.	0.	0.	5.003E+02
0.	2.	2.360E-01	7.619E-21	0.	0.	0.	0.	0.	0.	6.000E+02
0.	1.443E-33	2.467E-01	1.049E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	4.364E-29	2.640E-01	1.409E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	1.145E-25	2.696E-01	1.666E-20	0.	0.	0.	0.	0.	0.	9.000E+02
0.	6.669E-23	2.998E-01	1.820E-20	0.	0.	0.	0.	0.	0.	1.000E+03
0.	1.220E-20	2.494E-01	1.818E-20	0.	0.	0.	0.	0.	0.	1.100E+03
0.	9.419E-19	2.499E-01	1.862E-20	0.	0.	0.	0.	0.	0.	1.200E+03
0.	3.773E-17	2.530E-01	1.789E-20	3.411E-32	0.	0.	0.	0.	0.	1.300E+03
0.	4.792E-16	2.500E-01	1.886E-20	3.850E-31	0.	0.	0.	0.	0.	1.400E+03
0.	1.360E-14	2.500E-01	1.971E-20	7.103E-30	0.	0.	0.	0.	0.	1.500E+03
7.222E-33	1.494E-13	2.530E-01	1.656E-20	1.894E-29	0.	0.	0.	0.	0.	1.600E+03
0.	1.243E-12	2.500E-01	1.364E-20	9.290E-29	0.	0.	0.	0.	0.	1.700E+03
0.662E-27	2.173E-12	2.330E-01	1.205E-20	3.704E-27	0.	0.	0.	0.	0.	1.800E+03
3.175E-24	6.412E-11	2.500E-01	1.160E-20	1.329E-27	8.059E-33	0.	0.	0.	0.	2.000E+03
4.798E-22	2.016E-10	1.499E-01	1.613E-20	6.101E-27	3.246E-33	0.	0.	0.	0.	2.100E+03
0.261E-21	7.961E-10	2.496E-01	8.734E-20	9.785E-26	1.831E-28	0.	0.	0.	0.	2.200E+03
1.007E-19	2.770E-09	2.447E-01	6.049E-19	1.820E-26	6.044E-27	0.	0.	0.	0.	2.300E+03
0.591E-19	8.705E-09	2.495E-01	3.087E-18	2.646E-23	9.239E-26	0.	0.	0.	0.	2.400E+03
0.045E-18	2.640E-08	2.492E-01	1.936E-17	3.238E-27	1.370E-26	0.	0.	0.	0.	2.500E+03
3.630E-17	6.530E-08	2.448E-01	9.456E-17	3.190E-21	1.633E-23	0.	0.	0.	0.	2.600E+03
1.903E-16	5.582E-07	2.442E-01	3.929E-16	2.641E-20	1.605E-22	0.	0.	0.	0.	2.700E+03
8.704E-16	3.604E-07	2.413E-01	1.373E-15	1.803E-19	1.330E-21	0.	0.	0.	0.	2.800E+03
3.619E-15	7.730E-16	2.446E-01	6.466E-15	1.165E-19	9.446E-21	0.	0.	0.	0.	2.900E+03
1.367E-14	1.519E-16	2.446E-01	1.644E-16	6.370E-19	5.845E-20	0.	0.	0.	0.	3.000E+03
0.521E-14	3.056E-06	2.426E-01	4.177E-16	3.115E-17	3.192E-19	0.	0.	0.	0.	3.100E+03
1.471E-13	5.676E-16	2.402E-01	1.130E-15	1.377E-16	1.355E-18	0.	0.	0.	0.	3.200E+03
6.112E-13	1.013E-05	2.372E-01	2.862E-15	5.500E-17	6.667E-16	0.	0.	0.	0.	3.300E+03
1.134E-12	1.736E-05	2.337E-01	6.929E-15	2.067E-15	2.760E-17	0.	0.	0.	0.	3.400E+03
2.770E-12	2.900E-05	2.296E-01	1.563E-12	7.129E-15	1.005E-16	0.	0.	0.	0.	3.500E+03
0.546E-12	6.692E-35	2.293E-01	3.458E-12	2.205E-14	3.604E-16	0.	0.	0.	0.	3.600E+03
1.658E-11	7.361E-09	2.190E-01	7.216E-12	6.637E-16	1.072E-15	0.	0.	0.	0.	3.700E+03
0.375E-11	1.122E-04	2.161E-01	1.451E-11	1.500E-13	3.151E-15	0.	0.	0.	0.	3.800E+03
6.150E-11	1.670E-06	2.061E-01	2.016E-11	5.372E-13	6.494E-15	0.	0.	0.	0.	3.900E+03
1.179E-10	2.442E-06	2.010E-01	9.200E-11	1.340E-12	2.264E-14	0.	0.	0.	0.	4.000E+03
2.141E-10	3.695E-06	1.956E-01	6.670E-11	2.679E-12	5.502E-14	0.	0.	0.	0.	4.100E+03
3.730E-10	6.990E-06	1.093E-01	1.721E-10	8.163E-12	1.304E-13	0.	0.	0.	0.	4.200E+03
6.282E-10	6.770E-06	1.032E-01	2.001E-11	1.870E-11	2.921E-13	0.	0.	0.	0.	4.300E+03
1.011E-09	6.219E-06	1.779E-01	9.001E-10	4.104E-11	6.263E-13	0.	0.	0.	0.	4.400E+03
1.875E-09	1.237E-03	1.721E-01	8.502E-10	6.991E-11	1.297E-12	0.	0.	0.	0.	4.500E+03
2.370E-09	1.619E-03	1.672E-01	1.395E-09	1.054E-10	2.376E-12	0.	0.	0.	0.	4.600E+03
3.480E-09	2.164E-01	1.620E-01	2.239E-09	5.760E-10	4.952E-12	0.	0.	0.	0.	4.700E+03
6.093E-09	2.700E-03	9.300E-01	7.900E-09	7.430E-10	9.242E-12	0.	0.	0.	0.	4.800E+03
6.953E-09	3.567E-03	1.556E-01	9.610E-09	3.434E-09	1.004E-11	0.	0.	0.	0.	4.900E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
4.900E+03	9.408E-07	1.213E-07	4.090E-06	4.025E-06	3.710E-10	7.550E-01	8.670E-02	2.010E-08	9.240E-07
5.000E+03	1.357E-06	8.924E-08	3.641E-06	4.284E-06	3.391E-10	7.721E-01	7.205E-02	2.580E-08	1.326E-06
5.200E+03	2.656E-06	4.869E-08	2.886E-06	4.770E-06	2.801E-10	7.962E-01	4.977E-02	4.053E-08	2.592E-06
5.400E+03	4.936E-06	2.678E-08	2.255E-06	5.237E-06	2.300E-10	8.114E-01	3.666E-02	6.077E-08	4.802E-06
5.600E+03	8.775E-06	1.510E-08	1.774E-06	5.654E-06	1.082E-10	8.206E-01	2.644E-02	8.772E-08	8.491E-06
5.800E+03	1.500E-05	6.688E-09	1.399E-06	6.021E-06	1.934E-10	8.252E-01	1.740E-02	1.224E-07	1.440E-05
6.000E+03	2.477E-05	5.098E-09	1.105E-06	6.327E-06	1.243E-10	8.263E-01	1.264E-02	1.666E-07	2.353E-05
6.200E+03	3.966E-05	3.043E-09	8.731E-07	6.559E-06	9.986E-11	8.248E-01	9.320E-03	2.209E-07	3.717E-05
6.400E+03	6.117E-05	1.863E-09	8.894E-07	6.705E-06	7.940E-11	8.211E-01	8.954E-03	2.064E-07	5.695E-05
6.600E+03	9.387E-05	1.129E-09	5.429E-07	6.753E-06	8.222E-11	8.157E-01	9.259E-03	3.640E-07	8.484E-05
6.800E+03	1.395E-04	6.979E-10	4.258E-07	6.698E-06	4.795E-11	8.090E-01	4.016E-03	4.544E-07	1.232E-04
7.000E+03	2.029E-04	4.345E-10	3.322E-07	6.538E-06	3.625E-11	8.015E-01	4.106E-03	5.584E-07	1.750E-04
7.200E+03	2.897E-04	2.722E-10	2.577E-07	6.280E-06	2.686E-11	7.935E-01	2.431E-03	3.771E-07	2.435E-04
7.400E+03	4.062E-04	1.715E-10	1.989E-07	5.940E-06	1.950E-11	7.854E-01	1.924E-03	8.121E-07	3.320E-04
7.600E+03	5.632E-04	1.088E-10	1.526E-07	5.946E-06	1.390E-11	7.781E-01	1.544E-03	9.654E-07	4.477E-04
7.800E+03	7.605E-04	6.953E-11	1.170E-07	5.102E-06	9.768E-12	7.715E-01	1.252E-03	1.139E-06	5.940E-04
8.000E+03	1.017E-03	4.685E-11	8.955E-08	4.653E-06	6.761E-12	7.685E-01	1.020E-03	1.337E-06	7.704E-04
8.200E+03	1.342E-03	2.923E-11	6.886E-08	4.211E-06	4.655E-12	7.610E-01	8.530E-04	1.581E-06	1.009E-03
8.400E+03	1.748E-03	1.927E-11	5.270E-08	3.792E-06	3.196E-12	7.571E-01	7.151E-04	1.814E-06	1.294E-03
8.600E+03	2.249E-03	1.287E-11	4.066E-08	3.406E-06	2.196E-12	7.530E-01	6.050E-04	2.099E-06	1.643E-03
8.800E+03	2.862E-03	8.699E-12	3.154E-08	3.055E-06	1.915E-12	7.510E-01	5.162E-04	2.410E-06	2.067E-03
9.000E+03	3.634E-03	5.956E-12	2.461E-08	2.740E-06	1.092E-12	7.488E-01	4.636E-04	2.768E-06	2.577E-03
9.200E+03	4.695E-03	4.128E-12	1.933E-08	2.661E-06	7.555E-13	7.463E-01	3.637E-04	3.150E-06	3.185E-03
9.400E+03	5.934E-03	2.986E-12	1.528E-08	2.213E-06	5.180E-13	7.440E-01	3.338E-04	3.581E-06	3.906E-03
9.600E+03	6.803E-03	2.054E-12	1.215E-08	1.976E-06	3.687E-13	7.417E-01	2.919E-04	4.047E-06	4.752E-03
9.800E+03	8.266E-03	1.973E-12	9.727E-09	1.800E-06	2.646E-13	7.392E-01	2.564E-04	4.549E-06	5.739E-03
1.000E+04	9.967E-03	1.066E-12	7.820E-09	1.620E-06	1.911E-13	7.365E-01	2.262E-04	5.000E-06	6.801E-03
1.100E+04	2.294E-02	2.390E-13	2.032E-09	1.009E-06	4.105E-14	7.174E-01	1.264E-04	8.294E-06	1.950E-02
1.200E+04	4.570E-02	6.104E-14	1.100E-09	3.636E-05	1.027E-14	6.852E-01	7.385E-05	1.214E-05	3.050E-02
1.300E+04	8.701E-02	1.627E-14	4.327E-10	3.952E-05	2.592E-15	6.357E-01	4.330E-05	1.604E-05	5.367E-02
1.400E+04	1.219E-01	4.195E-15	1.432E-10	2.337E-05	6.239E-16	5.674E-01	2.479E-05	1.903E-05	8.594E-02
1.500E+04	1.573E-01	9.000E-16	5.630E-11	1.280F-05	1.341E-16	4.831E-01	1.339E-05	2.021E-05	1.261E-01
1.600E+04	2.514E-01	1.992E-16	1.720E-11	6.367E-06	2.644E-17	3.899E-01	6.700E-06	1.916E-05	1.715E-01
1.700E+04	3.128E-01	3.612E-17	4.653E-12	2.809E-06	3.822E-18	2.900E-01	3.074E-06	1.623E-05	2.174E-01
1.800E+04	3.657E-01	5.078E-18	1.110E-12	1.868E-06	5.136E-19	2.160E-01	1.301E-06	1.242E-05	2.589E-01
1.900E+04	4.606E-01	6.856E-19	2.691E-13	4.653E-07	6.311E-20	1.922E-01	5.180E-07	8.762E-06	2.920E-01
2.000E+04	6.305E-01	8.928E-20	5.401E-14	1.785E-07	7.585E-21	1.948E-01	2.007E-07	5.857E-06	3.170E-01
2.100E+04	6.567E-01	1.187E-20	1.906E-15	6.911E-08	6.636E-22	7.180E-01	7.757E-08	3.007E-06	3.355E-01
2.200E+04	6.702E-01	1.680E-21	2.747E-15	2.794E-08	1.264E-22	4.991E-02	3.064E-08	2.455E-06	3.474E-01
2.300E+04	6.793E-01	2.589E-22	6.759E-16	1.162E-08	1.857E-23	3.923E-02	4.254E-08	1.592E-06	3.939E-01
2.400E+04	6.856E-01	4.387E-23	1.785E-16	4.950E-09	3.016E-24	2.541E-02	5.353E-09	1.047E-06	3.605E-01
2.500E+04	6.899E-01	8.182E-24	5.059E-17	2.230E-09	5.393E-25	1.877E-02	2.390E-09	7.000E-07	3.630E-01
2.600E+04	6.936E-01	1.671E-24	1.530E-17	1.054E-09	1.054E-25	1.619E-02	1.116E-09	4.770E-07	3.657E-01
2.700E+04	6.967E-01	3.705E-25	4.911E-18	5.127E-10	2.224E-26	1.097E-02	9.435E-10	3.319E-07	3.665E-01
2.800E+04	5.001E-01	8.832E-26	1.650E-18	2.942E-10	4.984E-27	6.661E-03	2.754E-10	2.364E-07	3.663E-01
2.900E+04	5.339E-01	2.237E-26	5.629E-19	1.304E-10	1.164E-27	6.970E-03	1.460E-10	1.665E-07	3.651E-01
3.000E+04	5.085E-01	5.954E-27	2.114E-19	6.713E-11	2.819E-28	5.707E-03	7.895E-11	1.224E-07	3.629E-01
3.100E+04	5.137E-01	1.668E-27	7.830E-20	3.646E-11	6.891E-29	4.766E-03	6.436E-11	9.002E-08	3.600E-01
3.200E+04	5.143E-01	4.700E-28	2.953E-20	1.789E-11	1.690E-29	4.002E-03	2.565E-11	6.601E-08	3.566E-01
3.300E+04	5.294E-01	1.381E-28	1.126E-20	2.901E-12	4.130E-30	3.616E-03	1.523E-11	5.139E-08	3.529E-01
3.400E+04	5.304E-01	4.152E-29	6.345E-21	4.717E-12	1.012E-30	2.949E-03	3.271E-12	3.002E-08	3.496E-01
3.500E+04	5.352E-01	1.203E-29	1.698E-21	2.616E-12	2.616E-32	2.547E-03	5.774E-12	2.420E-08	3.432E-01
3.600E+04	5.396E-01	4.053E-30	6.730E-22	1.241E-12	6.142E-32	2.009E-03	2.303E-12	1.932E-08	3.400E-01
3.700E+04	5.624E-01	1.322E-30	2.725E-22	6.610E-13	1.547E-32	2.009E-03	2.303E-12	1.932E-08	3.399E-01
3.800E+04	5.458E-01	4.665E-31	1.125E-22	3.353E-13	0.	1.791E-03	1.570E-12	1.555E-08	3.309E-01
3.900E+04	5.681E-01	1.594E-31	6.750E-23	1.777E-13	0.	1.610E-03	1.062E-12	1.264E-08	3.973E-01
4.000E+04	5.531E-01	5.533E-32	2.056E-23	9.512E-14	0.	1.454E-03	7.260E-13	1.037E-08	3.360E-01
4.100E+04	5.519E-01	2.046E-32	9.046E-24	5.175E-14	0.	1.323E-03	5.044E-13	8.572E-09	3.340E-01
4.200E+04	5.535E-01	7.748E-33	6.110E-24	2.855E-14	0.	1.200E-03	3.552E-13	7.139E-09	3.337E-01
4.300E+04	5.551E-01	3.049E-33	1.899E-24	1.594E-14	0.	1.107E-03	2.534E-13	5.903E-09	3.326E-01
4.400E+04	5.568E-01	1.224E-33	6.934E-25	4.025E-15	0.	1.019E-03	1.803E-13	5.067E-09	3.314E-01
4.500E+04	5.587E-01	5.023E-34	4.273E-25	5.193E-15	0.	9.410E-04	1.736E-13	4.270E-09	3.300E-01
4.600E+04	5.609E-01	2.101E-34	2.072E-25	2.966E-15	0.	8.715E-04	6.862E-14	3.664E-09	3.285E-01
4.700E+04	5.643E-01	0.	1.016E-25	1.716E-15	0.	8.093E-04	5.350E-14	3.117E-09	3.267E-01
4.800E+04	5.660E-01	3.844E-35	5.026E-26	9.466E-16	0.	7.534E-04	5.529E-14	2.670E-09	3.247E-01
4.900E+04	5.686E-01	2.501E-35	5.777E-26	5.777E-16	0.	7.020E-04	4.193E-14	2.309E-09	3.224E-01
5.000E+04	5.720E-01	0.	1.251E-36	3.393E-16	0.	6.972E-04	3.210E-14	1.998E-09	3.204E-01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	2.989E-01	1.456E-20	1.133E-14	6.194E-29	3.076E-21	5.253E-01	1.099E-18	1.723E-21
6.000E+02	0.	6.598E-02	1.698E-17	6.613E-20	1.588E-25	1.588E-17	7.003E-01	6.035E-19	6.547E-21
7.000E+02	0.	1.507E-02	2.043E-15	1.122E-20	2.931E-22	6.994E-15	7.302E-01	6.330E-19	7.022E-20
8.000E+02	0.	4.886E-03	6.980E-16	1.362E-15	2.142E-20	1.029E-12	7.443E-01	6.772E-19	6.420E-20
9.000E+02	0.	1.917E-03	1.012E-12	3.362E-19	6.750E-13	4.137E-11	7.404E-01	7.035E-19	7.200E-20
1.000E+03	0.	6.950E-04	9.612E-12	2.702E-17	1.044E-17	6.029E-10	7.363E-01	6.814E-19	6.923E-19
1.100E+03	0.	4.770E-04	5.475E-11	1.024E-15	6.933E-17	6.144E-09	7.466E-01	6.110E-19	6.209E-19

TABLE II. - Continued

M-	N	N2	N24	N+	N-	N++	N---	N+++	T
0.500E-09	0.532E-03	1.525E-01	0.682E-09	2.702E-09	2.976E-11	0.	0.	0.	4.900E+03
1.274E-06	5.736E-33	1.497E-01	1.323E-08	4.979E-09	5.132E-11	0.	0.	0.	5.000E+03
2.100E-06	8.829E-03	1.447E-01	2.950E-08	1.585E-08	1.920E-10	0.	0.	0.	5.200E+03
3.534E-06	1.321E-02	1.400E-01	6.230E-08	4.655E-08	3.654E-10	0.	0.	0.	5.400E+03
5.477E-06	1.919E-02	1.351E-01	1.247E-07	1.266E-07	8.704E-10	0.	0.	0.	5.600E+03
8.175E-06	2.706E-02	1.298E-01	2.369E-07	3.220E-07	1.946E-09	0.	0.	0.	5.800E+03
1.142E-07	3.711E-02	1.232E-01	4.272E-07	7.653E-07	4.070E-09	1.020E-24	0.	0.	6.000E+03
1.661E-07	4.951E-02	1.195E-01	7.314E-07	1.709E-06	8.070E-09	9.768E-26	0.	0.	6.200E+03
2.277E-07	6.629E-02	1.060E-01	1.189E-06	3.598E-06	1.518E-08	8.050E-23	0.	0.	6.400E+03
3.055E-07	8.128E-02	9.685E-02	1.826E-06	7.162E-06	2.71E-38	5.780E-22	0.	0.	6.600E+03
4.019E-07	1.004E-01	9.594E-02	2.651E-06	1.351E-05	6.631E-08	3.652E-21	0.	0.	6.800E+03
5.194E-07	1.194E-01	7.644E-02	3.765E-06	2.421E-05	7.544E-08	2.064E-20	0.	0.	7.000E+03
6.613E-07	1.400E-01	6.286E-02	4.952E-06	4.134E-05	1.174E-07	1.023E-19	0.	0.	7.200E+03
8.298E-07	1.594E-01	5.167E-02	6.762E-06	6.760E-05	1.759E-07	4.614E-19	0.	0.	7.400E+03
1.028E-06	1.777E-01	6.142E-02	7.466E-06	1.053E-04	2.527E-07	1.892E-18	0.	0.	7.600E+03
1.260E-06	1.923E-01	3.245E-02	8.622E-06	1.583E-04	3.502E-07	7.100E-18	0.	0.	7.800E+03
1.527E-06	2.357E-01	2.496E-02	9.574E-06	2.299E-04	4.699E-07	2.466E-17	0.	0.	8.000E+03
1.833E-06	2.161E-01	1.893E-02	1.031E-05	2.401E-05	6.124E-07	7.943E-17	0.	0.	8.200E+03
2.161E-06	2.261E-01	1.422E-02	1.064E-05	4.647E-06	7.789E-07	2.611E-16	0.	0.	8.400E+03
2.972E-06	2.361E-01	1.066E-02	1.119E-05	3.970E-06	9.701E-07	6.007E-16	0.	0.	8.600E+03
3.609E-06	2.394E-01	7.933E-03	1.139E-05	7.062E-06	1.187E-06	1.887E-15	0.	0.	8.800E+03
3.649E-06	2.375E-01	5.957E-03	1.147E-05	1.018E-03	1.430E-06	4.824E-15	0.	0.	9.000E+03
4.025E-06	2.393E-01	4.679E-03	1.146E-05	1.303E-03	1.700E-06	1.193E-14	0.	0.	9.200E+03
4.665E-06	2.409E-01	3.306E-03	1.138E-05	1.339E-03	1.999E-06	2.836E-14	0.	0.	9.400E+03
5.234E-06	2.417E-01	2.973E-03	1.126E-05	2.043E-03	2.324E-06	4.696E-14	0.	0.	9.600E+03
5.910E-06	2.419E-01	1.971E-03	1.111E-05	2.521E-03	2.678E-06	1.437E-13	0.	0.	9.800E+03
6.631E-06	2.417E-01	1.518E-03	1.092E-05	3.000E-03	3.059E-06	3.080E-13	0.	0.	1.000E+04
1.038E-05	2.360E-01	6.500E-04	6.759E-06	5.533E-03	3.324E-06	9.190E-12	0.	0.	1.100E+04
1.551E-05	2.233E-01	5.532E-04	8.329E-06	1.520E-02	7.908E-06	1.422E-10	0.	0.	1.200E+04
1.909E-05	2.025E-01	5.318E-05	6.703E-06	2.715E-02	1.016E-05	1.721E-09	3.663E-24	0.	1.300E+04
2.219E-05	1.766E-01	1.604E-05	4.994E-06	4.310E-02	1.133E-05	1.345E-08	4.456E-22	0.	1.400E+04
2.214E-05	1.617E-01	6.616E-06	3.306E-06	6.153E-02	1.096E-05	7.960E-08	2.964E-20	0.	1.500E+04
1.957E-05	1.073E-01	2.171E-06	2.071E-06	7.984E-02	9.228E-07	3.773E-07	1.222E-18	0.	1.600E+04
1.530E-05	7.658E-02	4.951E-07	1.510E-06	9.541E-02	6.840E-06	1.647E-06	3.600E-17	0.	1.700E+04
1.093E-05	5.175E-02	1.468E-07	5.930E-07	1.040E-01	4.705E-06	6.974E-06	6.840E-16	0.	1.800E+04
7.174E-36	3.647E-32	5.733E-08	2.932E-07	1.162E-01	2.864E-06	1.475E-05	1.062E-14	0.	1.900E+04
4.640E-06	2.224E-02	1.646E-08	1.433E-07	1.186E-01	1.704E-06	3.903E-05	1.305E-13	0.	2.000E+04
2.732E-06	1.467E-02	5.211E-09	1.138E-09	1.211E-01	1.013E-06	9.692E-05	1.311E-12	0.	2.100E+04
1.666E-06	9.463E-03	1.710E-09	3.645E-08	1.224E-01	6.030E-07	2.284E-04	1.599E-11	0.	2.200E+04
1.018E-06	6.762E-03	9.693E-10	5.928E-09	1.229E-01	3.663E-07	4.943E-04	7.830E-11	0.	2.300E+04
6.354E-07	4.756E-03	2.223E-10	6.035E-08	1.224E-01	2.747E-07	1.000E-03	6.821E-10	0.	2.400E+04
6.034E-07	3.420E-03	6.761E-11	5.917E-10	1.222E-01	1.644E-07	1.944E-03	2.492E-09	0.	2.500E+04
2.640E-07	2.520E-03	9.628E-11	3.600E-09	1.204E-01	9.392E-08	3.550E-03	1.230E-08	0.	2.600E+04
1.772E-07	1.840E-03	5.936E-11	1.178E-09	1.178E-01	6.162E-08	6.181E-03	5.191E-08	0.	2.700E+04
1.215E-07	1.349E-03	6.609E-12	1.154E-09	1.134E-01	6.107E-08	1.018E-02	1.859E-07	0.	2.800E+04
0.934E-08	1.044E-03	5.011E-12	6.662E-10	1.071E-01	1.509E-08	8.373E-03	6.630E-07	0.	2.900E+04
6.140E-08	7.779E-04	1.323E-12	3.760E-10	9.867E-02	1.044E-08	2.343E-02	2.018E-06	0.	3.000E+04
5.519E-08	5.730E-04	1.731E-12	3.763E-10	9.640E-02	1.227E-08	3.261E-02	5.552E-06	0.	3.100E+04
3.395E-08	3.157E-04	2.418E-12	1.079E-10	7.685E-02	8.075E-08	6.291E-02	1.340E-05	0.	3.200E+04
2.660E-08	2.464E-04	9.910E-14	5.664E-11	6.649E-02	5.243E-08	9.355E-02	3.149E-05	0.	3.300E+04
2.040E-08	2.026E-04	3.964E-14	2.651E-12	5.330E-02	3.360E-08	6.376E-02	6.677E-05	0.	3.400E+04
1.623E-08	1.443E-04	5.533E-15	1.255E-11	4.296E-02	2.111E-09	7.293E-02	1.314E-04	0.	3.500E+04
1.313E-08	9.910E-05	5.966E-15	5.323E-12	3.407E-02	1.343E-09	8.373E-02	2.637E-04	0.	3.600E+04
1.070E-08	6.763E-05	2.323E-15	2.679E-12	2.673E-02	1.030E-10	8.705E-02	1.043E-09	0.	3.700E+04
6.990E-09	4.661E-05	6.979E-16	1.230E-12	2.046E-02	5.211E-10	9.195E-02	7.254E-09	0.	3.800E+04
7.256E-09	3.142E-05	1.532E-16	5.676E-13	1.621E-02	3.357E-10	9.555E-02	1.180E-03	0.	3.900E+04
6.455E-09	2.192E-05	1.405E-16	2.641E-13	1.240E-02	2.137E-10	9.799E-02	1.856E-03	0.	4.000E+04
5.620E-09	1.516E-05	5.676E-17	1.242E-13	9.313E-03	1.170E-09	9.938E-02	2.633E-03	0.	4.100E+04
4.922E-09	1.050E-05	2.333E-17	5.912E-14	7.654E-03	8.660E-11	9.976E-02	4.207E-03	0.	4.200E+04
4.346E-09	7.606E-06	9.726E-18	2.043E-16	5.976E-03	5.772E-11	9.916E-02	6.082E-03	0.	4.300E+04
3.874E-09	5.207E-06	6.112E-18	1.378E-16	6.672E-03	3.705E-11	9.755E-02	8.560E-03	0.	4.400E+04
3.470E-09	3.671E-06	1.753E-18	6.716E-15	3.649E-03	2.095E-11	9.490E-02	1.170E-02	0.	4.500E+04
3.140E-09	2.504E-06	7.530E-19	3.277E-15	2.643E-03	1.650E-11	9.123E-02	1.572E-02	0.	4.600E+04
2.863E-09	1.823E-06	3.253E-19	1.596E-15	2.206E-03	1.392E-11	8.650E-02	2.045E-02	0.	4.700E+04
2.620E-09	1.342E-06	1.390E-16	7.736E-16	1.773E-03	7.232E-12	7.086E-02	2.501E-02	0.	4.800E+04
2.468E-09	8.741E-07	9.946E-20	3.716E-16	1.306E-03	6.761E-12	7.447E-02	3.195E-02	0.	4.900E+04
2.223E-09	6.746E-07	2.549E-20	1.768E-16	4.938E-04	3.163E-12	6.755E-02	3.833E-02	0.	5.000E+04

$$P/PQ = 6.000 \cdot 00$$

M-	N	N2	N24	N+	N-	N++	N---	N+++	T
0.	0.	1.753E-01	9.252E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.339E-01	7.695E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.356E-03	2.441E-01	1.896E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.642E-29	2.448E-01	1.413E-20	0.	0.	0.	0.	0.	8.000E+02
0.	6.346E-29	2.449E-01	1.051E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.013E-29	2.450E-01	6.765E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.613E-29	2.450E-01	4.976E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.643E-29	2.450E-01	3.493E-20	0.	0.	0.	0.	0.	1.200E+03

TABLE II.- Continued

	E-	NH+	NH2	N+	N2H2	H	H2	H2+	H+
1.300E+03	0.	1.805E-04	8.475E-10	2.637E-13	3.202E-15	3.910E-07	7.499E-01	4.743E-19	3.500E-19
1.400E+03	0.	1.232E-04	2.644E-09	2.326E-12	1.254E-14	1.719E-06	7.499E-01	4.143E-19	4.197E-19
1.500E+03	0.	8.658E-05	4.218E-09	1.544E-11	4.117E-14	6.218E-06	7.499E-01	3.626E-19	4.720E-19
1.600E+03	3.241E-29	6.644E-05	1.317E-08	8.065E-11	1.167E-13	1.920E-05	7.499E-01	2.102E-19	5.101E-19
1.700E+03	3.137E-26	5.165E-05	2.851E-08	3.464E-10	2.935E-13	5.209E-05	7.499E-01	2.810E-19	5.508E-19
1.800E+03	1.439E-23	4.134E-05	5.376E-08	1.249E-07	6.008E-13	1.264E-04	7.499E-01	2.498E-19	5.809E-19
1.900E+03	3.488E-21	3.392E-05	9.483E-08	4.050E-09	1.397E-12	2.801E-04	7.497E-01	2.246E-19	6.101E-19
2.000E+03	3.535E-19	2.842E-05	1.580E-07	1.151E-08	2.721E-12	5.737E-04	7.499E-01	2.054E-19	9.034E-19
2.100E+03	5.749E-18	2.424E-05	2.527E-07	2.961E-08	4.979E-12	1.099E-03	7.499E-01	1.423E-18	5.120E-18
2.200E+03	4.768E-17	2.098E-05	3.812E-07	6.989E-08	8.636E-12	1.984E-03	7.482E-01	9.512E-18	5.834E-17
2.300E+03	3.115E-16	1.860E-05	5.585E-07	1.520E-07	1.428E-11	3.409E-03	7.470E-01	5.452E-17	2.531E-16
2.400E+03	1.742E-15	1.629E-05	7.917E-07	3.139E-07	2.264E-11	5.595E-03	7.451E-01	2.916E-16	1.439E-15
2.500E+03	8.503E-15	1.455E-05	1.090E-06	6.067E-07	3.646E-11	8.626E-03	7.423E-01	1.322E-15	7.132E-15
2.600E+03	3.681E-14	1.308E-05	1.460E-06	1.114E-06	5.111E-11	1.344E-02	7.382E-01	5.339E-15	3.131E-14
2.700E+03	1.432E-13	1.181E-05	1.908E-06	1.951E-06	7.315E-11	1.901E-02	7.327E-01	1.945E-14	1.232E-13
2.800E+03	5.749E-13	1.049E-05	2.437E-06	3.278E-06	1.017E-10	2.830E-02	7.252E-01	6.455E-14	4.400E-13
2.900E+03	1.642E-12	9.633E-06	3.046E-06	5.298E-06	1.375E-10	3.946E-02	7.152E-01	1.970E-13	1.444E-12
3.000E+03	4.924E-12	8.762E-06	3.728E-06	8.265E-06	1.612E-10	5.392E-02	7.020E-01	5.972E-13	4.371E-12
3.100E+03	1.376E-11	7.904E-06	4.672E-06	1.246E-05	2.327E-10	7.177E-02	6.872E-01	1.470E-12	1.232E-11
3.200E+03	3.605E-11	7.095E-06	5.246E-06	1.020E-05	2.918E-10	9.354E-02	6.687E-01	3.635E-12	3.259E-11
3.300E+03	8.920E-11	6.326E-06	6.046E-06	2.610E-05	3.534E-10	1.175E-01	6.454E-01	8.471E-12	8.004E-11
3.400E+03	2.082E-10	5.593E-06	6.881E-06	3.604E-05	4.261E-10	1.499E-01	6.189E-01	1.006E-11	1.907E-10
3.500E+03	4.630E-10	4.894E-06	7.610E-06	4.066E-05	4.969E-10	1.045E-01	5.805E-01	3.912E-11	4.270E-10
3.600E+03	9.834E-10	4.232E-06	8.276E-06	6.112E-05	5.659E-10	2.233E-01	5.546E-01	7.002E-11	9.127E-10
3.700E+03	2.001E-09	3.610E-06	8.827E-06	8.295E-05	6.296E-10	2.657E-01	5.174E-01	1.480E-10	3.673E-09
3.800E+03	3.910E-09	3.026E-06	9.231E-06	1.040E-04	6.955E-10	3.111E-01	4.777E-01	2.711E-10	3.673E-09
3.900E+03	7.364E-09	2.514E-06	9.468E-06	1.282E-04	7.275E-10	3.507E-01	4.366E-01	4.746E-10	6.954E-09
4.000E+03	1.339E-08	2.048E-06	9.529E-06	1.550E-04	7.564E-10	4.073E-01	3.934E-01	7.900E-10	1.271E-08
4.100E+03	2.358E-08	1.662E-06	9.415E-06	1.838E-04	7.704E-10	4.555E-01	3.500E-01	1.296E-09	2.249E-08
4.200E+03	4.027E-08	1.296E-06	9.143E-06	2.143E-04	7.969E-10	5.033E-01	3.093E-01	2.031E-09	3.050E-08
4.300E+03	6.687E-08	1.008E-06	8.735E-06	2.459E-04	7.553E-10	5.485E-01	2.696E-01	3.079E-09	6.431E-08
4.400E+03	1.002E-07	7.740E-07	8.225E-06	2.781E-04	7.297E-10	5.905E-01	2.327E-01	4.920E-09	1.044E-07
4.500E+03	1.707E-07	5.875E-07	7.644E-06	3.104E-04	6.954E-10	6.289E-01	1.990E-01	4.475E-09	1.652E-07
4.600E+03	2.634E-07	4.411E-07	7.026E-06	3.424E-04	6.551E-10	6.631E-01	1.689E-01	9.022E-09	2.555E-07
4.700E+03	3.479E-07	3.298E-07	6.399E-06	3.760E-04	6.114E-10	6.931E-01	1.424E-01	1.224E-08	3.809E-07
4.800E+03	5.871E-07	2.451E-07	5.705E-06	4.069E-04	5.663E-10	7.189E-01	1.195E-01	1.637E-08	5.742E-07
4.900E+03	8.580E-07	1.817E-07	5.200E-06	4.351E-04	5.214E-10	7.400E-01	1.000E-01	2.141E-08	6.300E-07
5.000E+03	1.229E-06	1.366E-07	4.655E-06	4.643E-04	4.780E-10	7.591E-01	8.357E-02	2.753E-08	1.199E-06
5.200E+03	2.411E-06	7.420E-06	3.702E-06	5.201E-04	3.901E-10	7.867E-01	5.831E-02	4.350E-08	2.350E-06
5.400E+03	6.489E-06	4.143E-06	2.931E-06	5.720E-04	3.292E-10	8.096E-01	4.001E-02	6.573E-08	4.365E-06
5.600E+03	7.987E-06	2.355E-06	2.319E-06	6.194E-04	2.710E-10	8.161E-01	2.900E-02	9.530E-08	7.730E-06
5.800E+03	1.366E-05	1.365E-06	1.837E-06	6.616E-04	2.222E-10	8.223E-01	2.082E-02	1.337E-07	1.313E-05
6.000E+03	2.257E-05	8.041E-06	1.458E-06	6.974E-04	1.812E-10	8.247E-01	1.515E-02	1.822E-07	2.190E-05
6.200E+03	3.611E-05	6.842E-06	1.158E-06	7.256E-04	1.467E-10	8.243E-01	1.118E-02	2.421E-07	3.397E-05
6.400E+03	5.630E-05	2.951E-06	9.194E-06	7.646E-04	1.176E-10	8.216E-01	8.356E-03	3.146E-07	5.209E-05
6.600E+03	6.555E-05	1.020E-06	7.280E-06	7.539E-04	9.305E-11	8.170E-01	6.323E-03	4.006E-07	7.769E-05
6.800E+03	1.271E-04	1.133E-06	5.749E-06	7.516E-04	7.251E-11	8.109E-01	4.862E-03	5.010E-07	1.130E-04
7.000E+03	1.846E-04	7.111E-10	4.517E-07	7.366E-04	5.552E-11	8.039E-01	3.750E-03	4.165E-07	1.605E-04
7.200E+03	2.639E-04	4.489E-06	3.531E-07	7.144E-04	4.171E-11	7.962E-01	2.938E-03	7.483E-07	2.235E-04
7.400E+03	3.701E-04	2.851E-06	2.765E-07	6.607E-04	3.072E-11	7.884E-01	2.323E-03	8.978E-07	3.059E-04
7.600E+03	5.141E-04	1.821E-06	2.124E-07	6.394E-04	2.222E-11	7.810E-01	1.866E-03	1.067E-06	4.109E-04
7.800E+03	6.930E-04	1.172E-06	1.638E-07	5.931E-04	1.581E-11	7.741E-01	1.513E-03	1.259E-06	5.450E-04
8.000E+03	9.273E-04	7.601E-11	1.261E-07	5.443E-04	1.110E-11	7.681E-01	1.241E-03	1.476E-06	7.138E-04
8.200E+03	1.224E-03	4.978E-11	9.709E-08	4.954E-04	7.729E-12	7.630E-01	1.029E-03	1.721E-06	9.244E-04
8.400E+03	1.594E-03	3.295E-11	7.491E-08	4.682E-04	5.356E-12	7.500E-01	8.620E-04	1.998E-06	1.189E-03
8.600E+03	2.052E-03	2.207E-11	5.799E-08	4.040E-04	3.700E-12	7.553E-01	7.289E-04	2.310E-06	1.504E-03
8.800E+03	2.612E-03	1.496E-11	4.511E-08	3.635E-04	2.575E-12	7.529E-01	6.215E-04	2.657E-06	1.891E-03
9.000E+03	3.290E-03	1.026E-11	3.529E-08	3.269E-04	1.796E-12	7.497E-01	5.335E-04	3.042E-06	2.356E-03
9.200E+03	4.103E-03	7.127E-12	2.777E-08	2.941E-04	1.261E-12	7.473E-01	4.611E-04	3.468E-06	2.912E-03
9.400E+03	5.070E-03	5.008E-12	2.199E-08	2.650E-04	8.921E-13	7.451E-01	4.017E-04	3.933E-06	3.570E-03
9.600E+03	6.212E-03	3.559E-12	1.752E-08	2.339E-04	6.361E-13	7.420E-01	3.513E-04	4.461E-06	4.343E-03
9.800E+03	7.550E-03	2.555E-12	1.404E-08	2.161E-04	4.573E-13	7.404E-01	3.087E-04	4.991E-06	5.245E-03
1.000E+04	9.105E-03	1.453E-12	1.131E-08	1.958E-04	3.314E-13	7.379E-01	2.724E-04	5.562E-06	6.209E-03
1.100E+04	2.048E-02	4.196E-13	4.127E-09	1.220E-04	7.346E-14	7.203E-01	1.529E-04	9.182E-06	1.411E-02
1.200E+04	4.184E-02	1.050E-13	1.026E-09	7.772E-05	1.837E-16	6.906E-01	9.002E-05	1.367E-05	2.794E-02
1.300E+04	7.435E-02	2.990E-14	6.529E-10	4.899E-05	4.700E-15	6.449E-01	5.335E-05	1.795E-05	4.932E-02
1.400E+04	1.193E-01	8.036E-15	2.563E-10	2.966E-05	1.203E-15	5.813E-01	3.128E-05	2.159E-05	7.922E-02
1.500E+04	1.748E-01	1.990E-15	9.186E-11	1.673E-05	5.017E-16	1.733E-01	2.339E-05	1.711E-01	1.711E-01
1.600E+04	2.304E-01	4.334E-16	2.979E-11	8.656E-06	5.465E-17	4.120E-01	8.978E-06	2.274E-05	1.006E-01
1.700E+04	2.974E-01	8.120E-17	8.557E-12	4.076E-06	9.259E-10	3.214E-01	9.012E-06	1.986E-05	2.056E-01
1.800E+04	3.514E-01	1.319E-17	2.196E-12	1.764E-06	1.359E-10	2.390E-01	1.897E-06	1.596E-05	2.474E-01
1.900E+04	3.949E-01	1.930E-10	5.196E-13	7.191E-07	1.800E-19	1.712E-01	7.076E-07	1.142E-05	2.826E-01
2.000E+04	4.271E-01	2.666E-19	1.183E-13	2.046E-07	2.317E-20	1.199E-01	3.154E-07	7.038E-06	3.097E-01
2.100E+04	4.647E-01	3.756E-20	2.705E-14	1.129E-07	3.023E-21	8.347E-02	1.252E-07	5.199E-06	3.292E-01
2.200E+04	4.621E-01	5.101E-21	6.412E-15	4.576E-08	4.105E-22	5.844E-02	3.041E-08	4.403E-06	3.420E-01
2.300E+04	4.754E-01	8.709E-22	1.607E-15	1.920E-08	6.297E-23	4.153E-0			

TABLE II.- Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	3.413E-17	2.500E-01	1.461E-20	3.230E-32	0.	0.	0.	0.	1.300E+03
0.	8.026E-16	2.500E-01	1.765E-20	3.680E-31	0.	0.	0.	0.	1.400E+03
0.	1.241E-14	2.500E-01	1.654E-20	2.980E-30	0.	0.	0.	0.	1.500E+03
0.	1.366E-13	2.500E-01	1.564E-20	1.833E-29	0.	0.	0.	0.	1.600E+03
0.	1.135E-12	2.500E-01	1.430E-20	9.010E-29	0.	0.	0.	0.	1.700E+03
1.419E-27	7.461E-12	2.500E-01	1.327E-20	3.682E-28	0.	0.	0.	0.	1.800E+03
2.714E-24	6.027E-11	2.500E-01	1.239E-20	1.295E-27	6.890E-33	0.	0.	0.	1.900E+03
3.933E-22	1.818E-10	2.499E-01	1.624E-20	5.620E-27	2.936E-30	0.	0.	0.	2.000E+03
8.644E-21	7.267E-10	2.499E-01	8.368E-21	8.519E-26	1.752E-28	0.	0.	0.	2.100E+03
9.695E-20	2.537E-09	2.497E-01	5.734E-19	1.561E-24	4.666E-27	0.	0.	0.	2.200E+03
0.254E-19	7.947E-39	2.496E-01	3.490E-18	2.332E-23	8.901E-26	0.	0.	0.	2.300E+03
5.823E-18	2.264E-08	2.493E-01	1.036E-17	2.803E-22	1.319E-26	0.	0.	0.	2.400E+03
3.530E-17	9.935E-08	2.489E-01	8.491E-17	2.768E-21	1.572E-23	0.	0.	0.	2.500E+03
1.032E-16	1.445E-07	2.484E-01	5.505E-16	2.297E-20	1.545E-22	0.	0.	0.	2.600E+03
8.455E-16	3.291E-07	2.475E-01	1.302E-15	1.633E-19	1.280E-21	0.	0.	0.	2.700E+03
3.466E-15	7.048E-17	2.464E-01	8.480E-15	1.010E-18	9.900E-21	0.	0.	0.	2.800E+03
1.298E-14	1.439E-06	2.450F-01	1.375E-14	5.525E-14	.626E-20	0.	0.	0.	2.900E+03
4.610E-14	2.796E-36	2.432E-01	3.975E-14	2.702E-11	3.374E-19	0.	0.	0.	3.000E+03
1.377E-13	5.190E-06	2.410E-01	1.000E-13	1.195E-16	1.500E-18	0.	0.	0.	3.100E+03
3.797E-13	9.267E-36	2.383E-01	2.766E-13	4.825E-16	6.603E-18	0.	0.	0.	3.200E+03
1.071E-12	1.594E-05	2.350E-01	6.066E-13	1.794E-13	2.646E-17	0.	0.	0.	3.300E+03
2.697E-12	2.657E-05	2.312E-01	1.510E-12	6.183E-15	9.721E-17	0.	0.	0.	3.400E+03
6.389E-12	6.240E-05	2.264E-01	3.295E-12	1.990E-14	3.299E-16	0.	0.	0.	3.500E+03
1.429E-11	6.739E-05	2.220E-01	6.891E-12	6.017E-16	1.040E-15	0.	0.	0.	3.600E+03
3.026E-11	1.030E-04	2.167E-01	1.386E-11	1.710E-13	3.065E-15	0.	0.	0.	3.700E+03
6.092E-11	1.538E-04	2.110E-01	2.690E-11	4.653E-13	8.470E-15	0.	0.	0.	3.800E+03
1.169E-10	2.247E-04	2.050E-01	5.050E-11	1.201E-12	2.213E-14	0.	0.	0.	3.900E+03
2.144E-10	3.216E-04	1.988E-01	9.229E-11	2.960E-12	5.472E-14	0.	0.	0.	4.000E+03
3.766E-10	6.519E-34	1.926E-01	1.660E-10	7.043E-12	1.207E-13	0.	0.	0.	4.100E+03
6.361E-10	6.244E-04	1.866E-01	2.867E-10	1.610E-11	2.888E-13	0.	0.	0.	4.200E+03
1.034E-09	8.474E-34	1.820E-01	4.836E-10	3.559E-11	6.213E-13	0.	0.	0.	4.300E+03
1.624E-09	1.139E-03	1.753E-01	8.055E-10	7.620E-11	1.244E-12	0.	0.	0.	4.400E+03
2.471E-09	1.504E-03	1.703E-01	1.310E-09	1.585E-13	2.560E-12	0.	0.	0.	4.500E+03
3.646E-09	1.976E-03	1.657E-01	2.123E-09	3.206E-10	4.922E-12	0.	0.	0.	4.600E+03
5.245E-09	2.559E-03	1.616E-01	3.366E-09	6.322E-13	9.241E-12	0.	0.	0.	4.700E+03
7.361E-09	3.240E-03	1.579E-01	5.260E-09	1.217E-09	1.679E-11	0.	0.	0.	4.800E+03
1.011E-08	4.166E-03	1.546E-01	8.107E-09	2.208E-09	2.970E-11	0.	0.	0.	4.900E+03
1.361E-08	5.244E-03	1.516E-01	1.233E-08	4.207E-09	5.125E-11	0.	0.	0.	5.000E+03
2.347E-08	8.131E-03	1.463E-01	2.738E-08	1.336E-08	1.627E-10	0.	0.	0.	5.100E+03
3.824E-08	1.213E-02	1.415E-01	5.776E-08	3.915E-08	3.659E-10	0.	0.	0.	5.200E+03
5.949E-08	1.761E-02	1.367E-01	1.155E-07	1.066E-07	8.720E-10	0.	0.	0.	5.300E+03
8.930E-08	2.466E-02	1.313E-01	2.194E-07	2.707E-07	1.947E-09	0.	0.	0.	5.400E+03
1.289E-07	3.415E-02	1.252E-01	3.971E-07	6.441E-07	4.096E-09	7.847E-25	0.	0.	6.000E+03
1.815E-07	6.567E-32	1.180E-01	6.020E-07	1.641E-06	8.141E-09	7.533E-24	0.	0.	6.200E+03
2.4562E-07	5.464E-02	1.097E-01	1.117E-06	3.046E-06	1.936E-08	6.233E-23	0.	0.	6.400E+03
3.366E-07	7.553E-32	1.003E-01	1.738E-06	6.043E-06	2.750E-08	4.496E-22	0.	0.	6.600E+03
4.455E-07	9.358E-32	6.984E-02	2.573E-06	1.153E-05	4.726E-08	2.850F-21	0.	0.	6.800E+03
6.969E-07	1.126E-31	7.871E-02	3.622E-06	2.079E-05	7.743E-08	1.605E-20	0.	0.	7.000E+03
7.255E-07	1.323E-31	6.730E-02	4.851E-06	3.572E-05	1.215E-07	8.083E-20	0.	0.	7.200E+03
9.106E-07	1.517E-31	5.612E-02	6.191E-06	5.865E-05	1.82E-07	3.672E-19	0.	0.	7.400E+03
1.124E-06	1.099E-01	5.666E-02	7.546E-06	9.222E-05	2.644E-07	1.516E-18	0.	0.	7.600E+03
1.382E-06	1.661E-31	6.329E-02	8.816E-06	1.390E-04	3.697E-07	5.738E-18	0.	0.	7.800E+03
1.675E-06	1.999E-01	2.026E-02	9.920E-06	2.043E-04	4.995E-07	2.003E-17	0.	0.	8.000E+03
2.011E-06	2.113E-01	2.171E-02	1.001E-05	2.895E-04	6.552E-07	4.503E-17	0.	0.	8.200E+03
2.392E-06	2.202E-01	1.648E-02	1.146E-05	3.993E-04	8.377E-07	1.970E-16	0.	0.	8.400E+03
2.801E-06	2.270E-01	1.243E-02	1.195E-05	5.381E-04	1.046E-06	5.671E-16	0.	0.	8.600E+03
3.300E-06	2.321E-01	9.355E-03	1.223E-05	7.109E-04	1.246E-06	1.541E-15	0.	0.	8.800E+03
3.831E-06	2.358E-01	7.043E-03	1.238E-05	9.231E-04	1.554E-06	3.992E-15	0.	0.	9.000E+03
4.415E-06	2.386E-01	5.318E-03	1.242E-05	1.181E-03	1.852E-06	9.693E-15	0.	0.	9.200E+03
5.039E-06	2.431E-01	4.033E-03	1.238E-05	1.491E-03	2.141E-06	2.374E-14	0.	0.	9.400E+03
5.744E-06	2.411E-01	3.075E-03	1.228E-05	1.662E-03	2.546E-06	5.397E-14	0.	0.	9.600E+03
6.486E-06	2.416E-01	2.359E-03	1.213E-05	2.297E-03	2.931E-06	1.195E-13	0.	0.	9.800E+03
7.203E-06	2.416E-01	1.821E-03	1.195E-05	2.009E-03	3.353E-06	2.963E-13	0.	0.	1.000E+04
1.193E-05	2.309E-01	9.472E-04	1.076E-05	6.799E-03	5.971E-02	7.658E-12	0.	0.	1.100E+04
1.720E-05	2.525E-01	1.837E-04	9.262E-06	1.395E-02	8.782E-06	1.333E-10	0.	0.	1.200E+04
2.206E-05	4.062E-05	6.617E-05	7.554E-06	2.504E-02	1.142E-05	1.438E-09	2.773E-24	0.	1.300E+04
2.523E-05	1.471E-01	2.430E-05	5.741E-06	4.036E-02	1.296E-05	1.126E-09	3.360E-22	0.	1.400E+04
2.571E-05	1.465E-01	4.751E-06	4.090E-06	5.774E-02	1.286E-05	6.680E-09	2.220E-20	0.	1.500E+04
2.334E-05	1.150E-01	2.495E-06	2.531E-06	5.779E-02	1.117E-05	3.150E-07	9.100E-19	0.	1.600E+04
1.463E-05	6.344E-02	9.674E-07	1.635E-06	9.181E-02	6.564E-06	1.239E-06	2.514E-17	0.	1.700E+04
1.349E-05	5.911E-02	2.978E-07	7.781E-07	1.042E-01	5.918E-02	6.177E-06	4.030E-16	0.	1.800E+04
9.359E-06	3.900E-02	8.970E-08	3.959E-07	1.123E-01	3.792E-06	1.245E-05	7.693E-15	0.	1.900E+04
6.020E-06	5.568E-02	2.730E-08	1.981E-07	1.173E-01	2.325E-06	3.350E-05	9.362E-14	0.	2.000E+04
3.743E-06	1.722E-02	8.017E-09	9.991E-08	1.203E-01	1.501E-06	8.319E-05	9.327E-13	0.	2.100E+04
2.307E-06	1.164E-02	2.865E-09	5.157E-08	1.219E-01	8.461E-07	1.918E-04	7.776E-12	0.	2.200E+04
1.429E-06	4.334E-13	1.014E-09	2.744E-08	1.227E-01	5.181E-07	4.144E-04	5.520E-11	0.	2.300E+04
8.982E-07	5.677E-13	3.055E-10	1.503E-08	1.28E-01	3.235E-07	8.446E-04	3.300E-10	0.	2.400E+04
5.159E-07	6.092E-13	1.509E-10	6.510E-09	1.224E-01	2.063E-07	1.630E-03	1.020E-09	0.	2.500E+04
3.770E-07	3.008E-03	6.278E-11	6.921E-09	1.211E-01	1.362E-07	2.990E-03	8.645E-09	0.	2.600E+04
2.528E-07	2.244E-03	2.712E-11	2.889E-09	1.180E-01	8.807E-06	5.213E-03	3.661E-08	0.	2.700E+04
1.735E-07	1.690E-03	1.203E-11	1.708E-09	1.151E-01	9.960E-06	8.644E-03	1.390E-07	0.	2.800E+04
1.220E-07	1.277E-03	5.410E-12	1.001E-09	1.094E-01	6.028E-06	1.361E-02	4.750E-07	0.	2.900E+04
8.777E-04	9.623E-16	2.433E-12	5.779E-10	1.022E-01	2.726E-06	2.330E-02	1.463E-06	0.	3.000E+04
6.481E-06	7.185E-34	1.381E-12	3.244E-10	9.262E-10	1.430E-06	2.088E-02	8.088E-06	0.	3.100E+04
4.860E-08	5.293E-34	6.707E-13	1.758E-10	8.198E-02	1.227E-06	3.035E-02	1.030E-05	0.	3.200E+04
3.731E-08	3.839E-24	1.995E-13	9.178E-11	7.039E-02	8.103E-09	8.667E-02	2.411E-05	0.	3.300E+04
2.919E-08	2.708E-04	8.246E-14	6.819E-11	5.888E-02	9.281E-09	5.890E-02	5.168E-05	0.	3.400E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	5.327E-01	5.100E-29	4.702E-21	4.650E-12	1.103E-30	3.083E-03	9.963E-12	4.453E-08	3.474E-01
3.600E+04	5.371E-01	1.633E-29	1.894E-21	2.423E-12	2.810E-31	2.712E-03	6.342E-12	3.505E-08	3.444E-01
3.700E+04	5.409E-01	5.412E-30	7.752E-22	1.269E-12	7.255E-32	2.405E-03	4.118E-12	2.790E-08	3.419E-01
3.800E+04	5.441E-01	1.839E-30	3.234E-22	6.698E-13	1.910E-32	2.148E-03	2.724E-12	2.245E-08	3.398E-01
3.930E+04	5.467E-01	6.442E-31	1.378E-22	3.573E-13	0.	1.931E-03	1.234E-12	1.824E-08	3.301E-01
4.000E+04	5.488E-01	2.326E-31	6.000E-23	1.931E-13	0.	1.746E-03	1.254E-12	1.495E-08	3.364E-01
4.100E+04	5.507E-01	8.657E-32	2.672E-23	1.057E-13	0.	1.587E-03	9.711E-13	1.234E-08	3.354E-01
4.200E+04	5.524E-01	3.317E-32	1.216E-23	5.887E-14	0.	1.449E-03	6.135E-13	1.030E-08	3.343E-01
4.300E+04	5.540E-01	1.306E-32	5.649E-24	3.299E-14	0.	1.329E-03	4.377E-13	6.632E-08	3.331E-01
4.410E+04	5.557E-01	5.276E-33	2.675E-24	1.877E-14	0.	1.223E-03	3.161E-13	7.281E-09	3.320E-01
4.500E+04	5.575E-01	2.180E-33	1.288E-24	1.079E-14	0.	1.129E-03	2.309E-13	6.175E-09	3.307E-01
4.600E+04	5.595E-01	9.192E-34	6.290E-25	6.252E-15	0.	1.046E-03	1.705E-13	5.262E-09	3.293E-01
4.700E+04	5.618E-01	3.943E-34	3.113E-25	3.646E-15	0.	9.715E-04	1.271E-13	4.504E-09	3.277E-01
4.800E+04	5.643E-01	1.716E-34	1.555E-25	2.136E-15	0.	9.045E-04	9.563E-14	3.871E-09	3.259E-01
4.900E+04	5.670E-01	7.559E-35	7.821E-26	1.254E-15	0.	8.440E-04	7.259E-14	3.340E-09	3.239E-01
5.000E+04	5.699E-01	0.	3.958E-26	7.369E-16	0.	7.892E-04	5.555E-14	2.892E-09	3.210E-01

P/PO = 7.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	3.241E-01	1.488E-20	1.092E-34	8.885E-29	1.887E-21	5.069E-01	1.121E-18	1.656E-21
6.000E+02	0.	7.530E-02	1.806E-17	0.328E-29	6.974E-25	1.463E-17	6.035E-01	5.019E-19	6.160E-21
7.000E+02	0.	1.819E-02	2.198E-15	1.124E-24	2.938E-22	8.233E-15	7.364E-01	8.373E-19	1.088E-20
8.000E+02	0.	5.691E-03	7.529E-14	1.361E-21	2.518E-20	9.462E-13	7.657E-01	7.974E-19	4.496E-20
9.000E+02	0.	2.235E-03	1.157E-12	3.361E-19	7.870E-19	3.829E-11	7.483E-01	7.498E-19	8.683E-20
1.000E+03	0.	1.045E-03	1.016E-11	2.782E-17	1.230E-17	7.433E-10	7.492E-01	6.906E-19	1.431E-19
1.100E+03	0.	5.571E-04	6.010E-11	1.026E-15	1.166E-16	6.465E-09	7.493E-01	6.238E-19	2.086E-19
1.200E+03	0.	3.291E-04	2.630E-10	2.068E-14	7.612E-16	6.459E-08	7.494E-01	5.552E-19	2.770E-19
1.300E+03	0.	2.106E-04	9.156E-10	2.637E-13	3.735E-15	3.620E-07	7.495E-01	4.886E-19	3.430E-19
1.400E+03	0.	1.437E-04	2.663E-09	2.326E-12	1.465E-14	1.591E-06	7.499E-01	4.301E-19	4.033E-19
1.500E+03	0.	1.033E-04	6.717E-09	1.549E-11	4.803E-14	5.757E-06	7.499E-01	3.777E-19	4.566E-19
1.600E+03	0.	2.653E-29	7.753E-05	1.508E-08	0.085E-11	1.362E-13	1.778E-05	7.499E-01	3.332E-19
1.700E+03	0.	2.559E-26	6.025E-05	3.080E-08	3.469E-10	3.424E-13	4.817E-05	7.499E-01	2.953E-19
1.800E+03	0.	1.170E-23	4.823E-05	5.807E-08	1.269E-09	7.704E-13	1.170E-04	2.633E-19	5.743E-19
1.900E+03	0.	2.830E-21	3.957E-05	1.024E-07	4.050E-09	1.630E-12	2.594E-04	7.497E-01	2.371E-19
2.000E+03	0.	2.996E-19	3.316E-05	1.707E-07	1.515E-08	3.174E-12	5.314E-04	7.495E-01	2.887E-19
2.100E+03	0.	5.145E-18	2.828E-05	2.708E-07	2.961E-08	5.809E-12	1.018E-03	7.491E-01	1.370E-18
2.200E+03	0.	4.260E-17	2.449E-05	4.119E-07	6.990E-08	1.708E-11	1.839E-03	7.484E-01	9.088E-18
2.300E+03	0.	2.795E-16	2.147E-05	6.035E-07	1.531E-07	1.667E-11	3.156E-03	7.472E-01	5.400E-17
2.400E+03	0.	1.563E-15	1.930E-05	5.557E-07	3.130E-07	2.645E-11	5.181E-03	7.455E-01	2.708E-16
2.500E+03	0.	7.625E-15	1.707E-05	1.718E-06	6.070E-07	4.043E-11	8.174E-03	7.420E-01	1.265E-15
2.600E+03	0.	3.300E-14	1.529E-05	1.579E-06	1.115E-06	5.973E-11	1.245E-C	7.391E-01	5.111E-15
2.700E+03	0.	1.283E-13	1.342E-05	2.065E-06	1.954E-06	8.555E-11	1.836E-0	7.339E-01	1.863E-14
2.800E+03	0.	4.536E-13	1.253E-05	2.640E-06	3.244E-06	1.190E-10	2.631E-C	7.270E-01	4.555E-18
2.900E+03	0.	1.471E-12	1.137E-05	3.304E-06	5.311E-06	1.612E-10	3.673E-02	7.177E-01	1.092E-13
3.000E+03	0.	4.412E-12	1.031E-05	4.050E-06	8.296E-06	2.128E-10	5.004E-02	7.062E-01	5.357E-13
3.100E+03	0.	1.233E-11	9.323E-06	4.868E-06	1.254E-05	2.767E-10	6.066E-02	6.917E-01	1.415E-12
3.200E+03	0.	3.231E-11	8.399E-06	5.740E-06	1.839E-05	3.444E-10	8.498E-02	6.739E-01	3.506E-12
3.300E+03	0.	7.981E-11	7.521E-06	6.640E-06	2.622E-05	4.227E-10	1.131E-01	6.526E-01	8.100E-12
3.400E+03	0.	1.868E-10	6.684E-06	7.537E-06	3.639E-05	5.07CE-10	1.397E-01	6.277E-01	1.810E-11
3.500E+03	0.	4.158E-10	5.885E-06	8.396E-06	4.926E-05	9.941E-10	1.723E-01	5.991E-01	3.802E-11
3.600E+03	0.	8.637E-10	5.125E-06	9.177E-06	6.510E-05	6.805E-10	2.090E-01	5.671E-01	7.609E-11
3.700E+03	0.	1.800E-09	4.409E-06	9.843E-06	8.408E-05	7.620E-10	2.494E-01	5.317E-01	1.455E-10
3.800E+03	0.	3.522E-09	3.742E-06	1.036E-05	1.036E-04	8.343E-10	2.928E-01	4.937E-01	2.666E-10
3.900E+03	0.	6.642E-09	3.130E-06	1.070E-05	1.315E-04	9.836E-10	3.387E-01	4.935E-01	6.240E-09
4.000E+03	0.	1.210E-08	2.579E-06	1.085E-05	1.597E-04	9.369E-10	3.859E-01	4.121E-01	7.939E-10
4.100E+03	0.	2.134E-08	2.093E-06	1.081E-05	1.902E-04	9.625E-10	4.336E-01	3.703E-01	1.296E-09
4.200E+03	0.	3.652E-08	1.673E-06	1.059E-05	2.228E-04	9.70CE-10	4.806E-01	3.291E-01	2.043E-09
4.300E+03	0.	6.079E-08	1.318E-06	1.026E-05	2.567E-04	9.604E-10	5.260E-01	3.117E-01	5.019E-08
4.400E+03	0.	9.466E-08	1.024E-06	9.688E-06	2.915E-04	9.357E-10	5.667E-01	2.518E-01	9.465E-08
4.500E+03	0.	1.557E-07	7.872E-07	9.079E-06	3.267E-04	8.990E-10	6.082E-01	2.171E-01	6.040E-09
4.600E+03	0.	2.436E-07	5.969E-07	8.410E-06	3.618E-04	8.533E-10	6.439E-01	1.857E-01	9.310E-09
4.700E+03	0.	3.662E-07	4.522E-07	7.714E-06	3.965E-04	8.017E-10	6.735E-01	1.578E-01	1.275E-07
4.800E+03	0.	5.453E-07	3.394E-07	7.020E-06	4.306E-04	7.471E-10	7.031E-01	1.334E-01	1.708E-08
4.900E+03	0.	7.880E-07	2.539E-07	6.374E-06	4.639E-04	6.916E-10	7.268E-01	1.124E-01	2.245E-08
5.000E+03	0.	1.130E-06	1.896E-07	5.712E-06	4.963E-04	6.371E-10	7.469E-01	9.639E-02	2.899E-08
5.200E+03	0.	2.221E-06	1.059E-07	4.581E-06	5.581E-04	5.348E-10	7.776E-01	6.646E-02	4.623E-08
5.400E+03	0.	4.100E-06	5.971E-08	3.450E-06	6.156E-04	4.450E-10	7.983E-01	4.695E-02	7.011E-08
5.600E+03	0.	7.374E-06	3.420E-08	2.903E-06	6.664E-04	3.688E-10	8.115E-01	3.346E-02	1.021E-07
5.800E+03	0.	1.262E-05	1.995E-08	2.311E-06	7.158E-04	3.034E-10	8.192E-01	2.411E-02	1.936E-07
6.000E+03	0.	2.086E-05	1.185E-08	1.842E-06	7.365E-04	2.488E-10	8.229E-01	1.760E-02	1.962E-07
6.200E+03	0.	3.341E-05	7.156E-09	1.669E-06	7.895E-04	2.026E-10	8.235E-01	1.302E-02	2.744E-07
6.400E+03	0.	5.235E-05	4.385E-09	1.171E-06	8.131E-04	1.635E-10	8.216E-01	9.749E-03	3.403E-07
6.600E+03	0.	7.909E-05	2.720E-09	9.321E-07	8.262E-04	1.304E-10	8.117E-01	7.390E-03	4.341E-07
6.800E+03	0.	1.175E-04	1.704E-05	7.396E-07	8.276E-04	1.025E-10	8.123E-01	5.667E-03	5.437E-07
7.000E+03	0.	1.709E-04	1.076E-09	5.665E-07	8.173E-04	7.931E-11	8.057E-01	4.395E-03	6.700E-07
7.200E+03	0.	2.440E-04	6.833E-10	4.596E-07	7.950E-04	6.024E-11	7.984E-01	3.446E-03	8.140E-07
7.400E+03	0.	3.421E-04	4.364E-10	3.595E-07	7.620E-04	4.591E-11	7.908E-01	2.732E-03	9.772E-07
7.600E+03	0.	6.718E-04	2.809E-10	2.799E-07	7.201E-04	3.200E-11	7.833E-01	2.190E-03	1.162E-06
7.800E+03	0.	6.407E-04	1.818E-10	2.171E-07	6.719E-04	2.367E-11	7.766E-01	1.770E-03	5.068E-06
8.000E+03	0.	6.574E-04	1.185E-10	1.680E-07	6.200E-04	1.681E-			

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
2.124E-08	1.930E-34	3.334E-14	2.255E-11	4.814E-02	3.404E-09	6.040E-02	1.032E-04	4.819E-11	3.500E+04
1.881E-08	1.345E-04	1.329E-14	1.077E-11	3.868E-02	2.176E-09	7.471E-02	1.938E-04	1.924E-10	3.600E+04
1.547E-08	9.318E-05	5.257E-15	5.071E-12	3.070E-02	1.385E-09	8.363E-02	3.453E-04	7.012E-10	3.700E+04
1.290E-08	6.440E-05	2.080E-15	2.376E-12	2.417E-02	8.015E-10	8.916E-02	5.880E-04	2.357E-09	3.800E+04
1.090E-08	4.454E-05	8.302E-16	1.115E-12	1.895E-02	5.624E-10	9.337E-02	9.631E-04	7.370E-09	3.900E+04
8.382E-09	2.155E-05	1.372E-16	2.507E-13	1.163E-02	2.322E-10	9.833E-C2	2.341E-03	5.946E-08	4.100E+04
7.072E-09	1.510E-05	5.699E-17	1.207E-13	9.122E-03	5.151E-10	9.927E-02	3.495E-03	1.961E-07	4.200E+04
6.247E-09	1.063E-05	2.400E-17	5.870E-14	7.166E-03	9.924E-11	9.923E-02	5.082E-03	3.877E-07	4.300E+04
5.567E-09	7.520E-36	1.025E-17	2.880E-14	5.634E-03	6.567E-11	9.823E-02	7.204E-03	9.169E-07	4.400E+04
4.999E-C9	4.441E-10	1.422E-14	4.430E-09	4.363E-11	9.623E-02	9.957E-03	2.068E-06	4.500E+04	
4.520E-09	3.792E-06	1.943E-10	7.046E-15	3.478E-03	2.892E-11	9.322E-02	1.342E-02	4.453E-06	4.600E+04
4.113E-09	2.695E-06	8.506E-19	3.491E-15	2.723E-03	1.931E-11	8.920E-02	1.763E-02	9.166E-06	4.700E+04
3.762E-09	1.912E-06	3.728E-19	1.724E-15	2.122E-03	1.290E-11	8.423E-02	2.256E-02	1.805E-05	4.800E+04
3.459E-09	1.352E-06	1.629E-19	8.462E-16	1.665E-03	8.636E-12	7.843E-02	2.814E-02	3.404E-05	4.900E+04
3.193E-09	9.516E-07	7.008E-20	4.118E-16	1.266E-03	5.720E-12	7.199E-02	7.421E-02	6.155E-05	5.000E+04

P/P0 = 7.00E+00

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	1.690E-01	5.355E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.312E-01	7.767E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.254E-33	2.455E-C1	1.095E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.617E-29	2.486E-01	1.421E-20	0.	0.	0.	0.	0.	8.000E+02
0.	9.674E-26	2.494E-01	1.692E-20	0.	0.	0.	0.	0.	9.000E+02
0.	5.619E-23	2.497E-01	1.877E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.031E-20	2.499E-01	1.966E-20	0.	0.	0.	0.	0.	1.100E+03
0.	7.960E-19	2.499E-01	1.973E-20	0.	0.	0.	0.	0.	1.200E+03
0.	3.160E-17	2.499E-01	1.921E-20	3.096E-32	0.	0.	0.	0.	1.300E+03
0.	7.430E-10	2.500E-01	1.832E-20	3.544E-31	0.	0.	0.	0.	1.400E+03
0.	1.149E-14	2.500E-01	1.725E-20	2.880E-30	0.	0.	0.	0.	1.500E+03
0.	1.266E-13	2.500E-01	1.613E-20	1.779E-29	0.	0.	0.	0.	1.600E+03
0.	1.051E-12	2.500E-01	1.503E-20	8.766E-29	0.	0.	0.	0.	1.700E+03
6.517E-27	6.937E-12	2.500E-01	1.399E-20	3.593E-28	0.	0.	0.	0.	1.800E+03
2.380E-24	3.729E-11	2.500E-01	1.308E-20	1.266E-27	6.041E-33	0.	0.	0.	1.900E+03
3.630E-22	1.732E-10	2.499E-01	1.646E-20	5.263E-27	2.688E-30	0.	0.	0.	2.000E+03
8.520E-21	6.728E-10	2.499E-01	8.041E-20	7.580E-26	1.688E-28	0.	0.	0.	2.100E+03
9.395E-20	2.349E-20	2.498E-01	5.678E-19	1.382E-24	4.522E-27	0.	0.	0.	2.200E+03
8.002E-19	7.358E-09	2.496E-01	3.322E-18	2.002E-23	8.629E-26	0.	0.	0.	2.300E+03
5.643E-18	2.397E-08	2.493E-01	1.754E-17	2.479E-22	1.278E-24	0.	0.	0.	2.400E+03
3.349E-17	5.496E-17	2.490E-01	8.116E-17	2.450E-21	1.523E-23	0.	0.	0.	2.500E+03
1.775E-16	1.338E-07	2.484E-01	3.352E-16	2.034E-20	1.496E-22	0.	0.	0.	2.600E+03
8.191E-16	3.048E-07	2.477E-01	1.246E-15	1.446E-19	1.239E-21	0.	0.	0.	2.700E+03
3.378E-15	6.547E-07	2.467E-01	4.219E-15	8.953E-19	8.802E-21	0.	0.	0.	2.800E+03
1.259E-14	1.333E-06	2.456E-01	1.317E-14	4.897E-18	5.448E-20	0.	0.	0.	2.900E+03
4.278E-14	2.589E-06	2.437E-01	3.810F-14	2.396E-17	2.978E-19	0.	0.	0.	3.000E+03
1.337E-13	4.812E-06	2.417E-01	1.303E-13	1.060E-16	1.454E-18	0.	0.	0.	3.100E+03
3.869E-13	8.595E-06	2.391E-01	2.635E-13	4.279E-16	6.404E-18	0.	0.	0.	3.200E+03
1.043E-12	1.440E-05	2.361E-01	6.342E-13	1.391E-15	2.568E-17	0.	0.	0.	3.300E+03
2.633E-12	3.235E-05	2.325E-01	1.451E-12	5.486E-15	9.447E-17	0.	0.	0.	3.400E+03
6.252E-12	9.985E-05	2.284E-01	3.167E-12	1.765E-14	3.210E-16	0.	0.	0.	3.500E+03
1.402E-11	6.236E-05	2.238E-01	6.625E-12	5.333E-14	1.014E-15	0.	0.	0.	3.600E+03
2.981E-11	9.583E-05	2.187E-01	1.333E-11	1.522E-13	2.992E-15	0.	0.	0.	3.700E+03
6.026E-11	1.432E-04	2.132E-01	2.588E-11	4.122E-13	8.294E-15	0.	0.	0.	3.800E+03
1.162E-10	2.393E-04	2.075E-01	4.064E-11	1.063E-12	2.169E-14	0.	0.	0.	3.900E+03
2.141E-10	2.998E-04	2.015E-01	8.874E-11	2.624E-12	9.376E-14	0.	0.	0.	4.000E+03
3.784E-10	4.214E-04	1.954E-01	1.576E-10	6.220E-12	1.267E-13	0.	0.	0.	4.100E+03
6.426E-09	5.625E-04	1.894E-01	2.733E-10	1.420E-11	2.850E-13	0.	0.	0.	4.200E+03
1.031E-09	7.925E-04	1.836E-01	4.633E-10	3.133E-11	6.144E-13	0.	0.	0.	4.300E+03
1.661E-08	1.063E-03	1.781E-01	7.705E-10	6.695E-11	1.273E-12	0.	0.	0.	4.400E+03
2.542E-08	1.408E-03	1.729E-01	1.258E-09	1.389E-10	2.540E-12	0.	0.	0.	4.500E+03
3.716E-08	1.863E-03	1.682E-01	2.021E-09	2.805E-10	4.894E-12	0.	0.	0.	4.600E+03
5.459E-09	2.385E-03	1.634E-01	3.197E-09	5.521E-10	9.202E-12	0.	0.	0.	4.700E+03
7.700E-09	3.057E-03	1.608E-01	4.984E-09	1.060E-09	1.673E-11	0.	0.	0.	4.800E+03
1.042E-08	3.690E-03	1.565E-01	7.663E-09	1.990E-09	2.963E-11	0.	0.	0.	4.900E+03
1.433E-08	4.802E-03	1.533E-01	1.163E-08	3.653E-09	5.113E-11	0.	0.	0.	5.000E+03
2.493E-08	7.538E-03	1.478E-01	2.374E-08	1.156E-08	1.426E-10	0.	0.	0.	5.200E+03
6.041E-08	1.126E-02	1.424E-01	5.413E-08	3.384E-08	3.663E-10	0.	0.	0.	5.400E+03
6.372E-08	1.038E-02	1.380E-01	1.028E-07	9.205E-08	8.745E-10	0.	0.	0.	5.600E+03
9.561E-08	2.315E-02	1.328E-01	2.060E-07	2.334E-07	1.955E-09	0.	0.	0.	5.800E+03
1.387E-07	3.182E-02	1.269E-01	7.731E-07	5.967E-07	4.116E-09	6.290E-25	0.	0.	6.000E+03
1.956E-07	4.263E-02	1.200E-01	6.437E-07	1.248E-06	8.197E-09	6.046E-24	0.	0.	6.200E+03
2.688E-07	5.566E-02	1.121E-01	1.056E-06	2.641E-06	1.550E-08	5.013E-23	0.	0.	6.400E+03
3.612E-07	7.246E-02	1.031E-01	1.656E-06	5.293E-06	2.792E-08	3.625E-22	0.	0.	6.600E+03
4.759E-07	8.777E-02	9.302E-02	2.470E-06	1.007E-05	4.862E-08	2.303E-21	0.	0.	6.800E+03
6.159E-07	1.265E-01	6.222E-02	3.530E-06	1.824E-05	7.901E-08	1.306E-20	0.	0.	7.000E+03
7.845E-07	1.294E-01	7.104E-02	4.748E-06	3.151E-05	1.246E-07	6.611E-20	0.	0.	7.200E+03
9.449E-07	1.491E-01	5.991E-02	6.129E-06	5.203E-05	1.087E-07	3.321E-19	0.	0.	7.400E+03
1.221E-06	1.635E-01	4.933E-02	7.561E-06	8.239E-05	2.748E-07	1.255E-18	0.	0.	7.600E+03
1.495E-06	1.802E-01	3.969E-02	8.940E-06	1.255E-06	3.881E-07	4.774E-18	0.	0.	7.800E+03
1.812E-06	1.747E-01	3.130E-02	1.018E-05	1.844E-04	5.267E-07	1.676E-17	0.	0.	8.000E+03
2.175E-06	2.368E-01	2.427E-05	1.121E-05	2.622E-06	6.920E-07	5.469E-17	0.	0.	8.200E+03
2.566E-06	2.166E-01	1.801E-05	1.201E-05	3.633E-06	8.890E-07	1.670E-16	0.	0.	8.400E+03
3.050E-06	2.261E-01	1.613E-02	1.250E-05	4.921E-04	1.117E-06	4.805E-16	0.	0.	8.600E+03
3.588E-06	2.299E-01	1.070E-02	1.296E-05	6.320E-05	1.375E-06	1.310E-15	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	3.045E-03	1.624E-11	4.781E-08	3.791E-04	2.818E-12	7.507E-01	6.244E-04	3.294E-06	2.189E-03
9.200E+03	3.798E-03	1.130E-11	3.769E-08	3.417E-04	1.986E-12	7.483E-01	5.401E-04	3.759E-06	2.700E-03
9.400E+03	4.694E-03	7.951E-12	2.989E-08	3.063E-04	1.409E-12	7.460E-01	4.693E-04	4.259E-06	3.310E-03
9.600E+03	5.752E-03	5.657E-12	2.304E-08	2.759E-04	1.007E-12	7.438E-01	4.109E-04	4.000E-06	4.024E-03
9.800E+03	6.992E-03	4.067E-12	1.913E-08	2.520E-04	7.259E-13	7.414E-01	3.612E-04	5.403E-06	4.861E-03
1.000E+04	8.434E-03	2.953E-12	1.543E-08	2.289E-04	5.271E-13	7.390E-01	3.188E-04	6.045E-06	5.827E-03
1.100E+04	1.949E-02	6.744E-13	5.660E-09	1.432E-04	1.181E-13	7.225E-01	1.795E-04	9.820E-06	1.315E-02
1.200E+04	3.891E-02	1.776E-13	2.256E-09	9.190E-05	2.799E-14	6.948E-01	1.063E-04	1.460E-05	2.595E-02
1.300E+04	6.925E-02	4.978E-14	9.216E-10	5.861E-05	7.983E-15	6.521E-01	6.391E-05	1.970E-05	4.589E-02
1.400E+04	1.115E-01	1.393E-14	3.681E-10	3.607E-05	2.081E-15	5.923E-01	3.781E-05	2.397E-05	7.399E-02
1.500E+04	1.645E-01	3.584E-15	1.377E-10	2.087E-05	4.997E-16	5.167E-01	2.144E-05	2.437E-05	1.099E-01
1.600E+04	2.241E-01	8.276E-16	4.669E-11	1.114E-05	1.056E-16	4.302E-01	1.142E-05	2.616E-05	1.516E-01
1.700E+04	2.843E-01	1.660E-16	1.413E-11	5.435E-06	1.921E-17	3.411E-01	5.641E-06	2.340E-05	1.954E-01
1.800E+04	3.390E-01	2.900E-17	3.830E-12	2.441E-06	3.035E-18	2.582E-01	2.503E-06	1.099E-05	2.379E-01
1.900E+04	3.841E-01	4.543E-18	9.538E-18	1.029E-06	4.323E-19	1.882E-01	1.101E-06	1.010E-05	2.737E-01
2.000E+04	4.185E-01	6.701E-19	2.268E-13	4.194E-07	5.859E-20	1.338E-01	4.580E-07	9.959E-06	3.023E-01
2.100E+04	4.431E-01	9.807E-20	5.302E-14	1.659E-07	7.982E-21	9.425E-02	1.862E-07	6.728E-06	3.234E-01
2.200E+04	4.601E-01	1.468E-20	1.303E-14	6.952E-08	1.160E-21	6.659E-02	7.633E-08	4.465E-06	3.383E-01
2.300E+04	4.717E-01	2.404E-21	3.323E-15	2.947E-08	1.753E-22	4.762E-02	3.207E-08	2.956E-06	3.646E-01
2.400E+04	4.797E-01	4.221E-22	9.001E-16	1.307E-08	2.943E-23	3.468E-02	1.399E-08	1.973E-06	3.755E-01
2.500E+04	4.854E-01	8.086E-23	2.599E-16	5.988E-09	5.600E-24	2.578E-02	6.311E-09	1.334E-06	3.601E-01
2.600E+04	4.897E-01	1.665E-23	7.989E-17	2.049E-09	1.079E-24	1.958E-02	2.973E-09	9.162E-07	3.031E-01
2.700E+04	4.933E-01	3.804E-24	2.602E-17	1.402E-09	2.320E-25	1.518E-02	1.450E-09	6.401E-07	3.646E-01
2.800E+04	4.968E-01	9.232E-25	8.923E-18	7.098E-10	5.353E-26	1.202E-02	7.427E-10	4.546E-07	3.654E-01
2.900E+04	5.004E-01	2.386E-25	3.195E-18	3.674E-10	1.298E-26	9.688E-03	3.922E-10	3.279E-07	3.650E-01
3.000E+04	5.044E-01	6.501E-26	1.184E-18	1.930E-10	3.262E-27	7.944E-03	2.141E-10	2.400E-07	3.637E-01
3.100E+04	5.091E-01	1.850E-26	4.509E-19	1.022E-10	8.305E-26	6.614E-03	1.206E-10	1.780E-07	3.614E-01
3.200E+04	5.142E-01	5.446E-27	1.750E-19	5.429E-11	2.170E-28	5.582E-03	6.988E-11	1.334E-07	3.507E-01
3.300E+04	5.197E-01	1.651E-27	6.890E-20	2.879E-11	5.674E-29	4.767E-03	4.157E-11	1.016E-07	3.354E-01
3.400E+04	5.252E-01	5.126E-28	2.744E-20	1.523E-11	1.476E-29	4.120E-03	2.533E-11	7.811E-08	3.520E-01
3.500E+04	5.304E-01	1.630E-28	1.105E-20	8.036E-12	3.042E-30	3.593E-03	1.579E-11	6.077E-08	3.466E-01
3.600E+04	5.350E-01	5.308E-29	4.508E-21	4.241E-12	1.004E-30	3.162E-03	1.006E-11	4.703E-08	3.456E-01
3.700E+04	5.391E-01	1.773E-29	1.866E-21	2.245E-12	2.651E-31	2.804E-03	6.532E-12	3.806E-08	3.429E-01
3.800E+04	5.425E-01	6.302E-30	7.840E-22	1.197E-12	7.113E-32	2.505E-03	4.322E-12	3.061E-08	3.407E-01
3.900E+04	5.453E-01	2.147E-30	3.375E-22	6.435E-13	0.	2.292E-03	2.909E-12	2.77E-08	3.386E-01
4.000E+04	5.476E-01	7.806E-31	1.480E-21	3.500E-13	0.	2.036E-03	1.990E-12	1.8E-08	3.372E-01
4.100E+04	5.496E-01	2.922E-31	6.629E-23	1.927E-13	0.	1.851E-03	1.382E-12	1.689E-08	3.359E-01
4.200E+04	5.514E-01	1.126E-31	3.033E-23	1.075E-13	0.	1.690E-03	9.730E-13	1.403E-08	3.347E-01
4.300E+04	5.531E-01	4.456E-32	1.416E-23	6.077E-14	0.	1.550E-03	6.947E-13	1.174E-08	3.338E-01
4.400E+04	5.547E-01	1.809E-32	6.740E-24	3.475E-14	0.	1.424E-03	5.010E-13	9.924E-09	3.325E-01
4.500E+04	5.565E-01	7.517E-33	3.243E-24	2.008E-14	0.	1.317E-03	3.666E-13	6.418E-09	3.313E-01
4.600E+04	5.584E-01	3.189E-33	1.604E-24	1.171E-14	4.781E-36	1.220E-03	2.707E-13	7.177E-09	3.300E-01
4.700E+04	5.605E-01	1.377E-33	7.987E-25	6.873E-15	0.	1.134E-03	2.019E-13	6.146E-09	3.289E-01
4.800E+04	5.628E-01	6.041E-34	4.009E-25	4.056E-15	0.	1.056E-03	1.519E-13	5.285E-09	3.266E-01
4.900E+04	5.654E-01	2.886E-34	2.040E-25	2.401E-15	0.	9.851E-04	1.154E-13	4.563E-09	3.246E-01
5.000E+04	5.682E-01	1.206E-34	1.042E-25	1.424E-15	0.	9.213E-04	8.831E-14	3.953E-09	3.229E-01

P/PQ = 8.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	3.464E-01	1.513E-20	1.056E-34	9.949E-29	1.736E-21	6.492E-01	1.140E-18	1.602E-21
6.000E+02	0.	8.647E-02	1.903E-17	8.246E-25	7.815E-25	1.362E-17	6.666E-01	9.098E-19	5.890E-21
7.000E+02	0.	2.068E-02	2.341E-15	1.121E-24	3.341E-22	7.691E-15	7.345E-01	8.405E-19	1.770E-20
8.000E+02	0.	6.494E-03	8.038E-16	1.360E-21	2.873E-20	8.666E-13	7.451E-01	8.807E-19	4.210E-20
9.000E+02	0.	2.553E-03	1.235E-12	3.380E-19	8.989E-19	3.580E-13	7.461E-01	7.549E-19	8.179E-20
1.000E+03	0.	1.193E-03	1.086E-11	2.781E-17	1.405E-17	6.953E-10	7.491E-01	6.903E-19	1.354E-19
1.100E+03	0.	6.366E-04	6.425E-19	1.026E-15	1.332E-16	7.918E-13	7.499E-01	6.339E-19	1.983E-19
1.200E+03	0.	3.760E-04	2.811E-19	2.048E-14	8.698E-16	6.042E-09	7.497E-01	5.671E-19	2.647E-19
1.300E+03	0.	2.407E-05	9.785E-19	2.637E-13	4.208E-15	3.306E-07	7.498E-01	5.027E-19	3.294E-19
1.400E+03	0.	1.643E-04	2.847E-09	2.326E-12	1.674E-14	1.488E-06	7.499E-01	4.436E-19	3.892E-19
1.500E+03	0.	1.181E-04	7.180E-09	1.544E-08	6.998E-08	1.152E-11	7.120E-03	7.499E-01	9.919E-19
1.600E+03	2.233E-29	8.860E-05	1.613E-08	6.065E-11	1.556E-13	1.663E-03	7.499E-01	3.464E-19	4.088E-19
1.700E+03	2.147E-26	6.886E-05	3.292E-08	3.469E-10	3.914E-13	4.506E-05	7.499E-01	3.079E-19	5.280E-19
1.800E+03	9.793E-24	5.512E-05	6.208E-09	1.249E-09	8.907E-13	1.095E-01	7.499E-01	2.753E-19	5.617E-19
1.900E+03	2.364E-21	4.523E-05	1.095E-07	4.050E-09	1.063E-12	2.426E-04	7.499E-01	2.603E-19	5.919E-19
2.000E+03	2.589E-19	3.790E-05	1.825E-07	1.515E-08	3.628E-13	4.708E-04	7.499E-01	2.924E-19	6.016E-19
2.100E+03	6.659E-18	3.233E-05	2.895E-07	2.981E-08	6.640E-12	9.520E-04	7.491E-01	1.323E-18	4.110E-18
2.200E+03	3.880E-17	2.799E-05	6.404E-07	6.991E-08	1.152E-11	1.720E-03	7.498E-01	8.793E-18	3.040E-17
2.300E+03	2.546E-16	6.455E-05	6.456E-07	1.331E-07	1.908E-11	2.953E-03	7.474E-01	5.100E-17	2.012E-16
2.400E+03	1.423E-15	2.176E-05	9.152E-07	3.139E-07	3.025E-11	4.648E-03	7.457E-01	2.600E-16	1.144E-15
2.500E+03	6.950E-15	1.945E-05	1.240E-06	6.073E-07	4.625E-11	7.649E-03	7.433E-01	1.216E-15	5.600E-15
2.600E+03	3.003E-14	1.750E-05	1.690E-06	1.115E-06	6.036E-11	1.165E-02	7.398E-01	4.919E-15	2.496E-14
2.700E+03	1.167E-13	1.583E-05	2.211E-06	1.956E-06	9.797E-11	1.719E-02	7.349E-01	1.705E-14	9.000E-14
2.800E+03	6.129E-13	1.436E-05	2.829E-06	3.200E-06	1.364E-10	2.664E-02	7.284E-01	5.060E-14	3.521E-13
2.900E+03	1.338E-12	1.303E-05	3.364E-06	5.322E-06	1.850E-10	3.640E-02	7.199E-01	1.625E-13	1.199E-12
3.000E+03	6.012E-12	1.188E-05	6.350E-06	8.314E-06	2.645E-10	4.690E-02	7.089E-01	5.174E-13	3.500E-12
3.100E+03	1.121E-11	1.073E-05	5.237E-06	1.238E-05	3.154E-10	6.252E-02	6.953E-01	1.368E-12	9.870E-12
3.200E+03	2.939E-11	9.712E-06	6.107E-06	1.048E-05	3.974E-10	8.164E-02	6.705E-01	3.396E-	

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
4.142E-06	2.341E-01	8.097E-03	1.318E-05	8.486E-04	1.666E-06	3.399E-15	0.	0.	9.000E+03
4.774E-06	2.371E-01	6.138E-03	1.327E-05	1.088E-03	1.989E-06	8.434E-15	0.	0.	9.200E+03
5.44E-06	2.391E-01	4.670E-03	1.327E-05	1.375E-03	2.346E-06	2.010E-14	0.	0.	9.400E+03
6.213E-06	2.405E-01	3.570E-03	1.319E-05	1.718E-03	2.737E-06	4.613E-14	0.	0.	9.600E+03
7.019E-06	2.412E-01	2.744E-03	1.306E-05	2.123E-03	3.162E-06	1.022E-13	0.	0.	9.800E+03
7.882E-06	2.415E-01	2.122E-03	1.289E-05	2.598E-03	3.620E-06	2.193E-13	0.	0.	1.000E+04
1.294E-05	2.376E-01	6.399E-04	1.167E-05	6.304E-03	6.370E-06	6.564E-12	0.	0.	1.100E+04
1.875E-05	2.269E-01	2.174E-04	1.012E-05	1.297E-02	9.587E-06	1.118E-10	0.	0.	1.200E+04
2.424E-05	2.091E-01	7.940E-05	8.341E-06	2.337E-02	1.258E-05	1.235E-09	2.192E-24	0.	1.300E+04
2.805E-05	1.844E-01	2.975E-05	6.440E-06	3.754E-02	1.449E-05	9.684E-09	2.641E-22	0.	1.400E+04
2.907E-05	1.542E-01	1.100E-05	4.584E-06	5.462E-02	1.466E-05	5.757E-08	1.750E-20	0.	1.500E+04
2.695E-05	1.215E-01	3.898E-06	2.980E-06	7.244E-02	1.304E-05	2.728E-07	7.114E-19	0.	1.600E+04
2.241E-05	9.028E-02	1.768E-06	8.866E-06	1.029E-02	1.073E-06	1.952E-17	0.	0.	1.700E+04
1.689E-05	6.379E-02	4.186E-07	9.719E-07	1.013E-01	7.310E-06	3.620E-06	3.874E-16	0.	1.800E+04
1.172E-05	4.354E-02	1.304E-07	5.071E-07	1.104E-01	4.804E-06	1.079E-05	5.875E-15	0.	1.900E+04
7.677E-06	2.925E-02	4.076E-08	2.587E-07	1.161E-01	3.005E-06	2.905E-05	7.090E-14	0.	2.000E+04
4.458E-06	1.966E-02	1.311E-08	1.323E-07	1.195E-01	1.039E-06	7.190E-06	7.013E-13	0.	2.100E+04
3.033E-06	1.338E-02	4.424E-09	6.890E-08	1.214E-01	1.123E-06	1.655E-04	5.814E-12	0.	2.200E+04
1.697E-06	9.280E-03	1.578E-09	3.689E-08	1.224E-01	6.924E-07	3.572E-04	4.111E-11	0.	2.300E+04
1.200E-06	6.575E-03	5.964E-10	2.035E-08	1.228E-01	4.349E-07	7.277E-04	2.510E-10	0.	2.400E+04
7.724E-07	4.757E-03	2.379E-10	1.155E-08	1.223E-01	2.785E-07	1.405E-03	1.350F-09	0.	2.500E+04
5.076E-07	3.507E-03	9.955E-11	6.713E-09	1.213E-01	1.819E-07	2.580E-03	6.417E-09	0.	2.600E+04
3.410E-07	2.626E-03	4.332E-11	3.967E-09	1.195E-01	1.209E-07	5.510E-03	2.724E-08	0.	2.700E+04
2.344E-07	1.987E-03	1.939E-11	2.364E-09	1.163E-01	8.149E-08	7.511E-03	1.039E-07	0.	2.800E+04
1.649E-07	1.511E-03	8.830E-12	1.436E-09	1.115E-01	5.540E-08	1.190E-02	3.573E-07	0.	2.900E+04
1.187E-07	1.148E-03	4.037E-12	8.250E-10	1.048E-01	3.779E-08	1.792E-02	1.112E-06	0.	3.000E+04
8.738E-08	6.659E-04	1.832E-12	6.730E-10	9.627E-02	2.597E-08	2.560E-02	3.141E-06	0.	3.100E+04
6.576E-08	6.435E-04	8.169E-13	2.629E-10	8.611E-02	1.739E-08	3.468E-02	8.079E-06	0.	3.200E+04
5.047E-08	4.747E-04	3.559E-13	1.410E-10	7.495E-02	1.163E-08	4.463E-02	1.903E-05	0.	3.300E+04
3.950E-08	3.436E-04	1.512E-13	7.294E-11	6.356E-02	7.690E-09	5.476E-02	4.137E-05	7.498E-12	3.400E+04
3.147E-08	2.452E-04	6.262E-14	3.650E-11	5.267E-02	5.025E-09	6.441E-02	8.367E-05	3.363E-11	3.500E+04
2.549E-08	1.731E-04	2.566E-14	1.789E-11	4.203E-02	3.254E-09	7.308E-02	1.589E-04	1.358E-10	3.600E+04
2.097E-08	1.212E-04	1.038E-14	8.611E-12	3.435E-02	2.095E-09	8.048E-02	2.859E-04	4.992E-10	3.700E+04
1.750E-08	6.456E-05	4.182E-15	4.109E-12	2.729E-02	1.346E-09	8.653E-02	4.904E-04	1.690E-09	3.800E+04
1.480E-08	5.496E-05	1.690E-15	1.958E-12	2.156E-02	8.662E-10	9.126E-02	8.089E-04	5.319E-09	3.900E+04
1.267E-08	4.111E-05	8.920E-16	9.362E-13	1.696E-02	5.594E-10	9.477E-02	1.288E-03	1.557E-08	4.000E+04
1.098E-08	2.887E-05	2.872E-16	4.511E-13	1.330E-02	3.634E-09	9.719E-02	1.987E-03	4.390E-08	4.100E+04
9.600E-09	2.034E-05	1.208E-16	2.194E-13	1.055E-02	2.376E-10	9.859E-02	2.981E-03	1.143E-07	4.200E+04
8.407E-09	1.439E-05	5.143E-17	1.077E-13	0.329E-03	1.565E-10	9.903E-02	4.355E-03	2.852E-07	4.300E+04
7.562E-09	1.023E-05	2.223E-17	5.339E-14	6.581E-03	1.037E-09	9.852E-02	6.204E-03	6.780E-07	4.400E+04
6.791E-09	7.297E-06	9.726E-18	2.665E-14	5.202E-03	6.916E-11	9.704E-02	8.623E-03	1.538E-06	4.500E+04
6.140E-09	5.216E-06	4.289E-18	1.330E-14	4.109E-03	4.632E-11	9.459E-02	1.165E-02	3.334E-06	4.600E+04
5.986E-09	3.732E-06	1.905E-18	6.708E-15	3.239E-03	9.112E-11	9.115E-02	1.547E-02	8.913E-06	4.700E+04
5.110E-09	2.667E-06	8.462E-19	3.363E-15	2.544E-03	2.094E-11	8.676E-02	1.997E-02	1.373E-05	4.800E+04
4.697E-09	1.901E-06	3.761E-19	1.679E-15	1.988E-03	1.408E-11	8.150E-02	2.513E-02	2.613E-05	4.900E+04
4.335E-09	1.351E-06	1.666E-19	8.318E-16	1.545E-03	9.455E-12	7.551E-02	3.085E-02	4.772E-05	5.000E+04

P/P0 = 8.00E+00

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.634E-01	5.445E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.289E-01	7.834E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.172E-33	2.448E-01	1.099E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.195E-29	2.484E-01	1.426E-20	0.	0.	0.	0.	0.	8.000E+02
0.	9.346E-26	2.496E-01	1.704E-20	0.	0.	0.	0.	0.	9.000E+02
0.	5.259E-23	2.497E-01	1.897E-20	0.	0.	0.	0.	0.	1.000E+03
0.	9.646E-21	2.498E-01	1.998E-20	0.	0.	0.	0.	0.	1.100E+03
0.	7.446E-19	2.499E-01	2.016E-20	0.	0.	0.	0.	0.	1.200E+03
0.	2.355E-17	2.499E-01	1.972E-20	2.974E-32	0.	0.	0.	0.	1.300E+03
0.	6.956E-16	2.500E-01	1.890E-20	3.419E-31	0.	0.	0.	0.	1.400E+03
0.	1.075E-14	2.500E-01	1.787E-20	2.791E-30	0.	0.	0.	0.	1.500E+03
0.	1.143E-13	2.500E-01	1.677E-20	1.729E-29	0.	0.	0.	0.	1.600E+03
0.	9.427E-13	2.500E-01	1.567E-20	8.551E-29	0.	0.	0.	0.	1.700E+03
5.841E-27	6.461E-12	2.500E-01	1.463E-20	3.514E-28	0.	0.	0.	0.	1.800E+03
2.126E-24	3.608E-11	2.500E-01	1.370E-20	1.241E-27	0.	0.	0.	0.	1.900E+03
3.325E-22	1.592E-10	2.499E-01	1.667E-20	4.986E-27	2.403E-30	0.	0.	0.	2.000E+03
8.247E-21	6.296E-10	2.499E-01	7.771E-20	6.851E-26	1.634E-28	0.	0.	0.	2.100E+03
9.145E-20	2.147E-09	2.498E-01	5.263E-19	1.241E-24	4.403E-27	0.	0.	0.	2.200E+03
7.793E-19	6.883E-09	2.496E-01	3.191E-18	1.853E-23	8.403E-26	0.	0.	0.	2.300E+03
5.949E-18	1.991E-08	2.494E-01	1.685E-17	2.229E-22	1.244E-26	0.	0.	0.	2.400E+03
3.305E-17	5.141E-08	2.490E-01	7.805E-17	2.203E-21	1.482E-23	0.	0.	0.	2.500E+03
1.720E-16	1.252E-07	2.485E-01	3.2225E-16	1.830E-20	1.495E-22	0.	0.	0.	2.600E+03
7.971E-16	2.852E-07	2.478E-01	1.199E-15	1.302E-19	1.205E-21	0.	0.	0.	2.700E+03
3.267E-15	6.127E-07	2.469E-01	4.062E-15	8.061E-19	8.942E-21	0.	0.	0.	2.800E+03
1.229E-14	1.240E-06	2.457E-01	1.268E-14	4.610E-16	5.300E-20	0.	0.	0.	2.900E+03
4.167E-14	2.424E-06	2.441E-01	3.672E-14	2.150E-17	2.697E-19	0.	0.	0.	3.000E+03
1.303E-13	4.506E-06	2.422E-01	9.982E-14	9.547E-17	1.415E-18	0.	0.	0.	3.100E+03
3.775E-13	4.051E-06	2.398E-01	2.349E-13	3.850E-14	6.236E-18	0.	0.	0.	3.200E+03
1.019E-12	1.387E-05	2.369E-01	6.121E-13	1.433E-15	2.902E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.700E-10	7.789E-06	8.189E-06	3.668E-05	5.887E-10	1.314E-01	6.350E-01	1.760E-11	1.933E-10
3.500E+03	3.787E-10	6.891E-06	9.131E-06	4.975E-05	6.927E-10	1.624E-01	6.079E-01	3.705E-11	3.447E-10
3.600E+03	8.053E-10	6.037E-06	1.002E-05	6.590E-05	7.970E-10	1.973E-01	5.773E-01	7.437E-11	7.305E-10
3.700E+03	1.646E-09	5.228E-06	1.080E-05	8.534E-05	8.971E-10	2.359E-01	5.434E-01	1.427E-10	1.515E-09
3.800E+03	3.216E-09	4.470E-06	1.143E-05	1.082E-04	9.880E-10	2.776E-01	5.070E-01	2.624E-10	2.988E-09
3.900E+03	6.072E-09	3.771E-06	1.187E-05	1.343E-04	1.065E-09	3.219E-01	4.682E-01	4.635E-10	5.676E-09
4.000E+03	1.108E-08	3.135E-06	1.212E-05	1.636E-04	1.124E-09	3.679E-01	4.279E-01	7.800E-10	1.041E-08
4.100E+03	1.956E-08	2.570E-06	1.215E-05	1.956E-04	1.163E-09	4.146E-01	3.864E-01	1.292E-09	1.844E-08
4.200E+03	3.353E-08	2.076E-06	1.198E-05	2.299E-04	1.181E-09	4.611E-01	3.462E-01	2.040E-09	3.185E-08
4.300E+03	5.586E-08	1.653E-06	1.163E-05	2.660E-04	1.178E-09	5.064E-01	3.064E-01	3.142E-09	5.331E-08
4.400E+03	9.067E-08	1.299E-06	1.113E-05	3.032E-04	1.157E-09	5.495E-01	2.684E-01	4.677E-09	8.688E-08
4.500E+03	1.436E-07	1.009E-06	1.050E-05	3.410E-04	1.119E-09	5.897E-01	2.333E-01	6.767E-09	1.381E-07
4.600E+03	2.223E-07	7.795E-07	9.792E-06	3.789E-04	1.069E-09	6.265E-01	2.010E-01	9.939E-09	2.142E-07
4.700E+03	3.370E-07	5.911E-07	9.039E-06	4.165E-04	1.011E-09	6.595E-01	1.711E-01	1.313E-08	3.260E-07
4.800E+03	5.099E-07	4.678E-07	8.274E-06	4.535E-04	9.470E-10	6.885E-01	1.462E-01	1.764E-08	4.855E-07
4.900E+03	7.312E-07	3.377E-07	7.521E-06	4.898E-04	8.810E-10	7.130E-01	1.230E-01	2.333E-08	7.099E-07
5.100E+03	1.050E-06	2.546E-07	6.800E-06	5.251E-04	8.150E-10	7.394E-01	1.046E-01	3.025E-08	1.020E-06
5.200E+03	2.067E-06	1.436E-07	5.494E-06	5.926E-04	6.891E-10	7.689E-01	7.424E-02	4.854E-08	2.010E-06
5.300E+03	3.859E-06	8.172E-06	4.406E-06	6.595E-04	5.767E-10	7.919E-01	5.280E-02	7.402E-08	3.747E-06
5.400E+03	6.879E-06	4.716E-06	3.922E-06	7.136E-04	4.796E-10	8.069E-01	5.781E-02	1.002E-07	6.656E-06
5.500E+03	1.178E-05	2.767E-06	2.815E-06	7.658E-04	3.969E-10	8.161E-01	2.735E-02	1.927E-07	1.133E-05
5.600E+03	1.968E-05	1.852E-06	2.251E-06	8.113E-04	3.269E-10	8.209E-01	2.002E-02	2.091E-07	1.858E-05
5.700E+03	3.121E-05	1.002E-06	1.802E-06	8.487E-04	2.675E-10	8.224E-01	1.484E-02	2.701E-07	2.934E-05
5.800E+03	4.863E-05	6.171E-05	1.442E-06	8.766E-04	2.171E-10	8.213E-01	1.113E-02	3.641E-07	4.522E-05
5.900E+03	7.389E-05	3.846E-05	1.153E-06	8.934E-04	1.743E-10	8.181E-01	8.454E-03	4.652E-07	6.756E-05
6.100E+03	1.097E-04	2.422E-05	9.187E-05	8.984E-04	1.381E-10	8.132E-01	6.492E-03	5.834E-07	9.839E-05
7.000E+03	1.597E-04	1.537E-05	7.295E-05	8.909E-04	1.077E-10	8.071E-01	5.041E-03	7.199E-07	1.400E-04
7.200E+03	2.279E-04	9.823E-10	5.785E-07	8.707E-04	8.259E-11	8.001E-01	3.956E-03	8.759E-07	1.951E-04
7.400E+03	3.195E-04	6.313E-10	4.534E-07	8.387E-04	8.219E-11	7.926E-01	3.130E-03	1.051E-06	2.668E-04
7.600E+03	4.640E-04	4.081E-10	3.549E-07	7.968E-04	4.600E-11	7.854E-01	2.516E-03	1.250E-06	3.590E-04
7.800E+03	5.985E-04	2.655E-04	2.767E-07	7.472E-04	3.346E-11	7.784E-01	2.040E-03	1.474E-06	4.759E-04
8.000E+03	8.010E-04	1.739E-10	2.151E-07	6.929E-04	2.399E-11	7.720E-01	1.672E-03	1.724E-06	6.229E-04
8.200E+03	1.057E-03	1.148E-10	1.671E-07	6.364E-04	1.702E-11	7.665E-01	1.384E-03	2.010E-06	8.059E-04
8.400E+03	1.370E-03	7.646E-11	1.299E-07	5.807E-04	1.199E-11	7.616E-01	1.154E-03	2.330E-06	1.032E-03
8.600E+03	1.775E-03	5.152E-11	1.012E-07	5.270E-04	8.414E-12	7.570E-01	9.704E-04	2.689E-06	1.308E-03
8.800E+03	2.260E-03	3.508E-11	7.912E-08	4.768E-04	5.904E-12	7.545E-01	8.338E-04	3.089E-06	1.844E-03
9.000E+03	2.867E-03	2.416E-11	6.215E-08	4.307E-04	4.156E-12	7.517E-01	7.156E-04	3.934E-06	2.047E-03
9.200E+03	3.552E-03	1.688E-11	4.907E-08	3.889E-04	2.939E-12	7.491E-01	6.184E-04	4.025E-06	2.529E-03
9.400E+03	4.391E-03	1.186E-11	3.897E-08	3.513E-04	2.092E-12	7.466E-01	5.381E-04	4.563E-06	3.099E-03
9.600E+03	5.381E-03	8.449E-12	3.112E-08	3.170E-04	1.499E-12	7.446E-01	4.707E-04	5.151E-06	3.770E-03
9.800E+03	6.542E-03	6.081E-12	2.500F-08	2.879E-04	1.082E-12	7.423E-01	4.137E-04	5.789E-06	6.551E-03
1.000E+04	7.892E-03	4.621E-12	2.019E-08	2.612E-04	7.873E-13	7.399E-01	3.653E-04	6.476E-06	9.457E-03
1.100E+04	1.022E-02	1.017E-12	7.457E-09	1.845E-04	1.780E-13	7.243E-01	2.041E-04	1.064E-05	1.231E-02
1.200E+04	3.649E-02	2.707E-13	2.993E-09	1.062E-04	4.570E-14	6.983E-01	1.227E-04	1.581E-05	2.633E-02
1.300E+04	6.510E-02	7.721E-14	1.240E-09	6.630E-05	1.241E-14	6.800E-01	7.437E-05	2.134E-05	4.311E-02
1.400E+04	1.052E-01	2.202E-14	5.057E-10	4.268E-03	3.329E-15	6.013E-01	4.454E-05	2.620E-05	6.967E-02
1.500E+04	1.559E-01	5.923E-15	1.946E-10	2.519E-03	8.313E-16	5.291E-01	2.570E-05	2.910E-05	1.039E-01
1.600E+04	2.136E-01	1.435E-15	6.389E-11	1.370E-05	1.847E-16	4.454E-01	1.400E-05	2.943E-05	1.441E-01
1.700E+04	2.730E-01	3.046E-15	2.161E-11	6.928E-06	3.567E-17	3.581E-01	7.104E-06	2.604E-05	1.871E-01
1.800E+04	3.280E-01	5.655E-17	6.133E-12	3.210E-06	5.999E-18	2.751E-01	3.351E-06	2.228E-05	2.289E-01
1.900E+04	3.764E-01	9.398E-10	1.597E-12	1.394E-06	9.066E-19	2.035E-01	1.483E-06	1.702E-05	2.657E-01
2.000E+04	4.105E-01	1.466E-10	3.946E-13	5.827E-07	1.293E-19	1.466E-01	6.284E-07	1.219E-05	2.959E-01
2.100E+04	4.368E-01	2.227E-15	9.619E-14	2.607E-07	1.032E-20	1.046E-01	2.611E-07	8.373E-06	3.180E-01
2.200E+04	4.553E-01	3.648E-20	2.391E-14	1.006E-07	2.695E-21	7.437E-02	1.088E-07	5.628E-06	3.341E-01
2.300E+04	6.681E-01	5.773E-21	6.201E-15	4.312E-08	4.234E-22	5.352E-02	6.629E-08	3.762E-06	3.454E-01
2.400E+04	7.707E-01	1.030E-21	1.700E-15	1.914E-08	7.213E-23	3.914E-02	2.031E-08	2.527E-06	3.931E-01
2.500E+04	8.433E-01	1.994E-22	4.952E-16	8.816E-09	1.339E-23	2.816E-02	9.246E-09	1.717E-06	3.583E-01
2.600E+04	8.800E-01	4.193E-23	1.533E-16	6.215E-09	2.700E-24	2.221E-02	6.374E-09	1.104E-06	3.612E-01
2.700E+04	4.919E-01	9.539E-24	9.024E-17	2.048E-09	5.877E-25	1.726E-02	2.152E-09	8.292E-07	3.638E-01
2.800E+04	4.953E-01	2.331E-24	1.733E-17	1.060E-09	1.366E-25	1.367E-02	1.099E-09	5.901E-07	3.648E-01
2.900E+04	4.989E-01	6.071E-25	6.246E-18	5.519E-10	3.348E-26	1.035E-02	5.812E-10	4.265E-07	3.664E-01
3.000E+04	5.020E-01	1.666E-25	2.334E-18	2.921E-10	6.537E-27	9.052E-03	3.178E-10	3.126E-07	3.638E-01
3.100E+04	5.073E-01	4.794E-26	8.969E-19	1.561E-10	2.333E-27	7.561E-03	1.792E-10	2.322E-07	3.620E-01
3.200E+04	5.123E-01	1.428E-26	3.519E-19	8.379E-11	5.924E-28	6.366E-03	1.039E-10	1.764E-07	3.594E-01
3.300E+04	5.176E-01	4.382E-27	1.402E-19	6.496E-11	1.979E-28	5.643E-03	6.100E-11	1.920E-07	3.543E-01
3.400E+04	5.231E-01	1.379E-27	5.655E-20	4.203E-11	4.210E-29	4.703E-03	5.773E-11	1.022E-07	3.530E-01
3.500E+04	5.283E-01	4.438E-28	2.305E-20	1.285E-11	1.122E-29	4.103E-03	5.735E-11	7.934E-08	3.497E-01
3.600E+04	5.331E-01	1.462E-28	9.510E-21	6.855E-12	2.998E-30	3.611E-03	1.499E-11	6.200E-08	3.466E-01
3.700E+04	5.373E-01	4.931E-29	3.977E-21	3.666E-12	8.075E-31	3.203E-03	9.738E-12	4.981E-08	3.435E-01
3.800E+04	5.410E-01	1.707E-29	1.699E-21	1.970E-12	2.205E-31	2.861E-03	6.444E-12	4.006E-08	3.414E-01
3.900E+04	5.464E-01	6.072E-30	7.311E-22	1.068E-12	6.135E-32	2.572E-03	4.337E-12	3.232E-08	3.394E-01
4.000E+04	5.665E-01	2.221E-30	3.225E-22	5.842E-13	0.	2.326E-03	2.906E-12	2.664E-08	3.370E-01
4.100E+04	5.486E-01	8.361E-31	1.493E-22	3.235E-13	0.	2.114E-03	2.041E-12	2.203E-08	3.364E-01
4.200E+04	5.505E-01	3.236E-31	6.677E-23	1.813E-13	0.	1.931E-03	1.452E-12	1.804E-08	3.352E-01
4.300E+04	5.522E-01	1.287E-31	3.132E-23	1.029E-13	0.	1.771E-03	1.036E-12	1.538E-08	3.341E-01
4.400E+04	5.539E-01	5.247E-32	1.497E-23	5.911E-14	0.	1.630E-03	7.487E-13	1.290E-08	3.329E-01
4.500E+04	5.5								

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.577E-12	2.312E-05	2.355E-01	1.401E-12	4.962E-15	9.214E-17	0.	0.	0.	3.400E+03
6.131E-12	3.738E-05	2.296E-01	3.059E-12	1.590E-14	3.134E-16	0.	0.	0.	3.500E+03
1.379E-11	5.876E-05	2.253E-01	6.402E-12	4.806E-14	9.911E-16	0.	0.	0.	3.600E+03
2.939E-11	9.980E-05	2.204E-01	1.288E-11	1.371E-13	2.929E-15	0.	0.	0.	3.700E+03
9.961E-11	1.345E-04	2.152E-01	2.502E-11	3.711E-13	8.133E-15	0.	0.	0.	3.800E+03
1.156E-10	1.948E-04	2.096E-01	4.702E-11	9.564E-13	2.131E-14	0.	0.	0.	3.900E+03
2.135E-10	2.420E-04	2.038E-01	8.578E-11	2.360E-12	9.290E-14	0.	0.	0.	4.000E+03
3.790E-10	3.966E-04	1.978E-01	1.523E-10	5.580E-12	1.249E-13	0.	0.	0.	4.100E+03
6.468E-10	5.464E-04	1.919E-01	2.038E-10	1.274E-11	2.810E-13	0.	0.	0.	4.200E+03
1.064E-09	7.463E-04	1.861E-01	4.469E-10	2.807E-11	6.080E-13	0.	0.	0.	4.300E+03
1.690E-09	1.000E-03	1.805E-01	7.42CE-10	5.990E-11	1.263E-12	0.	0.	0.	4.400E+03
2.599E-09	1.326E-03	1.753E-01	1.210E-09	1.241E-10	2.527E-12	0.	0.	0.	4.500E+03
3.840E-09	1.735E-03	1.704E-01	1.939E-09	2.501E-10	4.877E-12	0.	0.	0.	4.600E+03
5.630E-09	2.249E-03	1.663E-01	3.061E-09	4.914E-10	9.159E-12	0.	0.	0.	4.700E+03
7.986E-09	2.876E-03	1.619E-01	4.762E-09	9.421E-10	1.446E-11	0.	0.	0.	4.800E+03
1.106E-08	3.650E-03	1.582E-01	7.338E-09	1.765E-09	2.955E-11	0.	0.	0.	4.900E+03
1.501E-08	4.591E-03	1.549E-01	1.107E-08	3.236E-09	5.109E-11	0.	0.	0.	5.000E+03
2.622E-08	7.046E-03	1.492E-01	2.442E-08	1.022E-08	1.426E-10	0.	0.	0.	5.200E+03
4.312E-08	1.059E-02	1.441E-01	5.125E-08	2.985E-08	3.665E-10	0.	0.	0.	5.400E+03
6.755E-08	1.531E-02	1.392E-01	1.024E-07	8.110E-08	8.755E-10	0.	0.	0.	5.600E+03
1.016E-07	2.179E-02	1.340E-01	1.949E-07	2.059E-07	1.960E-09	0.	0.	0.	5.800E+03
1.477E-07	2.993E-02	1.283E-01	3.539E-07	4.906E-07	4.132E-09	5.194E-25	0.	0.	6.000E+03
2.046E-07	4.015E-02	1.217E-01	6.113E-07	1.101E-06	8.241E-09	4.996E-24	0.	0.	6.200E+03
2.809E-07	5.252E-02	1.161E-01	1.008E-06	2.334E-06	1.562E-09	4.150E-23	0.	0.	6.400E+03
3.858E-07	6.702E-02	1.054E-01	1.586E-08	4.688E-06	2.820E-08	3.000E-22	0.	0.	6.600E+03
5.007E-07	8.346E-02	9.568E-03	2.380E-08	8.495E-06	4.866E-08	1.921E-21	0.	0.	6.800E+03
6.587E-07	1.014E-01	8.520E-02	3.405E-06	1.627E-05	8.032E-08	1.291E-20	0.	0.	7.000E+03
8.392E-07	1.203E-01	7.423E-02	4.648E-06	2.822E-05	1.272E-07	5.544E-20	0.	0.	7.200E+03
1.056E-06	1.394E-01	6.320E-02	6.057E-08	4.683E-05	1.935E-07	2.547E-19	0.	0.	7.400E+03
1.306E-06	1.577E-01	5.256E-02	7.547E-06	7.452E-05	2.833E-07	1.063E-18	0.	0.	7.600E+03
1.600E-06	1.749E-01	4.274E-06	9.016E-06	1.141E-05	4.001E-17	4.066E-18	0.	0.	7.800E+03
1.939E-06	1.849E-01	3.404E-02	1.333E-05	1.685E-04	5.465E-07	1.434E-17	0.	0.	8.000E+03
2.327E-06	2.027E-01	2.665E-02	1.525E-05	2.411E-04	7.243E-06	4.700E-17	0.	0.	8.200E+03
2.708E-06	2.413E-01	2.058E-02	1.244E-05	3.353E-04	9.345E-07	1.441E-16	0.	0.	8.400E+03
3.264E-06	2.214E-01	1.576E-02	1.313E-05	4.550E-04	1.174E-06	4.150E-16	0.	0.	8.600E+03
3.810E-06	2.277E-01	1.200E-02	1.360E-05	6.046E-04	1.455E-04	1.134E-15	0.	0.	8.800E+03
4.432E-06	2.324E-01	9.120E-03	1.389E-05	7.803E-04	1.767E-06	2.955E-15	0.	0.	9.000E+03
5.109E-06	2.358E-01	6.439E-03	1.404E-05	9.012E-03	2.115E-06	7.345E-15	0.	0.	9.200E+03
5.868E-06	2.382E-01	5.295E-03	1.407E-05	1.281E-03	2.498E-06	1.752E-14	0.	0.	9.400E+03
6.650E-06	2.398E-01	4.057E-03	1.402E-05	1.602E-03	2.910E-06	4.024E-14	0.	0.	9.600E+03
7.514E-06	2.408E-01	3.125E-03	1.391E-05	1.982E-03	3.375E-06	8.929E-14	0.	0.	9.800E+03
8.440E-06	2.412E-01	2.620E-03	1.374E-05	2.427E-03	3.866E-06	1.916E-13	0.	0.	1.000E+04
1.349E-05	2.304E-01	7.346E-04	1.2515E-05	5.903E-03	6.833E-06	5.742E-12	0.	0.	1.100E+04
2.020E-05	2.284E-01	2.514E-06	1.049E-05	1.217E-02	1.034E-05	9.789E-11	0.	0.	1.200E+04
2.627E-05	2.119E-01	4.281E-05	9.077E-08	2.2100E-02	1.367E-05	1.002E-09	1.788E-24	0.	1.300E+04
3.070E-05	1.660E-01	3.534E-05	7.097E-08	3.555E-02	1.593E-05	8.497E-09	2.154E-22	0.	1.400E+04
3.224E-05	1.590E-01	1.333E-05	5.142E-05	5.194E-02	1.633E-05	5.060E-08	1.420E-20	0.	1.500E+04
3.041E-05	1.271E-01	4.616E-06	3.416E-08	6.951E-02	1.480E-05	2.403E-07	5.751E-19	0.	1.600E+04
2.593E-05	9.592E-02	1.680E-06	2.079E-05	8.592E-02	1.195E-05	9.466E-07	1.567E-17	0.	1.700E+04
1.989E-05	6.649E-02	5.540E-07	1.172E-06	9.910E-02	8.730E-06	3.190E-06	3.095E-16	0.	1.800E+04
1.612E-05	5.773E-02	1.791E-06	6.2535E-07	1.047E-01	5.865E-06	9.533E-06	6.660E-15	0.	1.900E+04
9.430E-06	3.245E-02	5.731E-04	3.264E-07	1.149E-01	3.714E-06	2.565E-05	5.584E-14	0.	2.000E+04
6.064E-06	2.201E-02	1.878E-08	1.681F-07	1.187E-01	2.320E-06	6.340E-05	5.489E-13	0.	2.100E+04
3.832E-06	1.508E-02	6.418E-08	6.936E-08	1.209E-01	1.931E-01	1.457E-06	4.528E-12	0.	2.200E+04
2.414E-06	1.350E-02	2.310E-09	4.760E-08	1.221E-01	8.891E-07	3.142E-06	3.104E-11	0.	2.300E+04
1.533E-06	7.464E-03	8.764E-10	2.638E-08	1.226E-01	5.611E-07	6.337E-05	1.947E-10	0.	2.400E+04
9.951E-07	5.615E-03	6.523E-10	1.503E-08	1.225E-01	3.606E-07	1.217E-03	1.043E-09	0.	2.500E+04
6.555E-07	4.032E-03	1.648E-03	8.772E-09	1.217E-01	2.364E-07	2.770E-03	4.950E-09	0.	2.600E+04
6.415E-07	3.305E-03	6.464E-11	5.212E-09	1.201E-01	1.577E-07	3.974E-03	2.107E-08	0.	2.700E+04
3.039E-07	2.282E-03	2.925E-11	3.121E-09	1.172E-01	1.067E-07	6.443E-03	8.061E-08	0.	2.800E+04
2.140E-07	1.764E-03	1.365E-11	1.079E-09	1.129E-01	7.287E-08	1.059E-02	2.787E-07	0.	2.900E+04
1.541E-07	1.333E-03	6.230E-12	1.117E-09	1.069E-01	5.0039E-08	1.604E-02	8.739E-07	0.	3.000E+04
1.135E-07	1.115E-03	2.674E-12	6.516E-10	9.930E-03	3.433E-02	1.231E-02	2.491E-06	0.	3.100E+04
5.577E-08	7.647E-04	1.307E-12	3.695E-10	8.950E-02	2.343E-08	3.102E-02	6.677E-06	0.	3.200E+04
6.556E-08	5.626E-04	5.262E-13	2.026E-10	7.880E-02	1.585E-02	4.122E-02	1.564E-05	0.	3.300E+04
5.133E-08	4.160E-04	2.534E-13	1.074E-10	6.761E-02	1.060E-08	5.110E-05	3.397E-05	5.400E-12	3.400E+04
4.091E-08	3.004E-04	1.077E-13	5.510E-11	5.667E-02	7.308E-09	6.088E-02	6.947E-05	2.453E-11	3.500E+04
3.315E-08	2.143E-04	4.478E-14	2.775E-11	4.658E-02	4.390E-09	8.979E-02	1.333E-06	9.988E-11	3.600E+04
2.728E-08	1.518E-04	1.331E-11	3.771E-12	2.988E-02	2.988E-09	7.756E-02	2.410E-09	3.707E-10	3.700E+04
2.278E-08	1.108E-04	7.594E-15	6.557E-12	3.020E-02	1.930E-09	8.404E-02	4.181E-04	1.264E-09	3.800E+04
1.927E-08	7.492E-05	3.120E-15	3.165E-12	2.403E-02	1.255E-09	8.921E-02	6.934E-06	4.000E-09	3.900E+04
1.651E-08	5.260E-05	1.292E-15	1.534E-12	1.905E-02	8.150E-10	9.317E-02	1.110E-03	1.184E-08	4.000E+04
1.430E-08	3.712E-05	5.131E-16	7.467E-13	1.504E-02	5.325E-10	9.600E-02	1.720E-03	3.302E-08	4.100E+04
1.232E-08	2.621E-05	2.298E-16	3.665E-13	1.194E-02	3.501E-10	9.781E-02	2.592E-03	8.710E-08	4.200E+04
1.108E-08	1.467E-05	9.498E-17	1.816E-13	9.464E-03	2.316E-10	9.865E-02	3.002E-03	2.102E-07	4.300E+04
9.880E-09	1.333E-05	4.314E-17	9.074E-16	7.513E-03	1.542E-10	9.856E-02	5.439E-03	3.209E-07	4.400E+04
8.854E-09	9.548E-06	1.901E-17	6.564E-16	5.966E-03	1.033E-10	9.759E-02	7.559E-03	1.107E-06	4.500E+04
8.005E-09	6.658E-06	4.677E-18	2.313E-16	4.735E-04	6.949E-11	9.554E-02	1.035E-02	2.507E-06	4.600E+04
7.262E-09	4.932E-06	3.799E-18	1.174E-16	3.753E-03	6.693E-11	9.260E-02	1.370E-02	5.397E-06	4.700E+04
6.661E-09	3.546E-06	1.705E-18	5.966E-15	2.966E-03	3.175E-11	8.070E-02	1.790E-02	1.079E-05	4.800E+04
6.122E-09	2.349E-06	7.703E-19	3.015E-15	2.334E-03	2.150E-11	8.392E-02	2.269E-02	2.069E-05	4.900E+04
5.650E-09	1.821E-06	3.462E-19	1.517E-15	1.420E-03	1.454E-11	7.835E-02	2.800E-02	9.810E-05	5.000E+04

TABLE II.- Continued

P/P0 = 9.00E+00

T	E-	NH3	NH2	NH	NH2+	H	H2	H2+	No
5.000E+02	0.	3.063E-01	1.532E-20	1.024E-34	1.004E-20	1.612E-21	4.753E-01	1.154E-18	1.957E-21
6.000E+02	0.	9.322E-02	1.909E-17	8.167E-29	8.624E-23	1.270E-17	6.601E-01	9.175E-19	5.500E-21
7.000E+02	0.	2.315E-02	2.473E-15	1.110E-24	3.739E-22	7.242E-15	7.324E-01	8.439E-19	1.677E-20
8.000E+02	0.	7.294E-03	8.514E-16	1.259E-21	3.227E-20	8.354E-13	7.445E-01	8.334E-19	3.790E-20
9.000E+02	0.	2.870E-03	1.309E-12	3.170E-19	1.011E-18	3.376E-11	7.673E-01	7.973E-19	7.780E-20
1.000E+03	0.	1.342E-03	1.151E-11	2.701E-17	1.500E-17	6.595E-10	7.499E-01	7.040E-19	1.200E-19
1.100E+03	0.	7.160E-04	8.814E-11	1.024E-15	4.49E-16	7.645E-09	7.499E-01	6.429E-19	1.093E-19
1.200E+03	0.	4.230E-04	2.982E-10	2.067E-14	9.783E-16	5.695E-08	7.499E-01	5.776E-19	2.541E-19
1.300E+03	0.	2.700E-04	1.938E-09	2.637E-13	6.461E-15	3.192E-07	7.499E-01	5.140E-19	3.176E-19
1.400E+03	0.	1.844E-04	3.020E-09	2.326E-12	1.683E-14	1.403E-06	7.499E-01	4.795E-19	3.700E-19
1.500E+03	0.	1.329E-04	7.614E-09	1.544E-11	6.174E-14	5.077E-06	7.499E-01	4.685E-19	4.290E-19
1.600E+03	1.919E-29	7.765E-03	1.710E-08	8.656E-11	1.751E-12	1.540E-12	7.499E-01	3.502E-19	6.762E-19
1.700E+03	1.861E-26	7.767E-03	3.492E-08	3.447E-10	4.463E-13	4.249E-05	7.499E-01	3.193E-19	9.161E-19
1.800E+03	8.377E-24	6.201E-05	4.569E-08	1.264E-09	1.022E-12	1.032E-04	7.499E-01	2.861E-19	5.563E-19
1.900E+03	2.619E-21	9.088E-05	1.161E-07	4.050E-09	2.095E-12	2.287E-04	7.499E-01	2.505E-19	9.000E-19
2.000E+03	2.271E-19	4.264E-05	1.939E-07	1.151E-09	4.001E-12	4.684E-04	7.499E-01	2.903E-19	7.657E-19
2.100E+03	4.268E-18	3.573E-05	3.071E-07	2.962E-08	7.705E-12	8.976E-04	7.499E-01	1.284E-18	3.767E-18
2.200E+03	3.573E-17	3.150E-05	4.671E-07	6.991E-08	1.294E-11	1.622E-03	7.499E-01	6.429E-18	2.774E-17
2.300E+03	2.364E-16	2.703E-05	8.047E-07	1.531E-07	2.145E-11	2.784E-03	7.499E-01	5.807E-17	1.830E-16
2.400E+03	1.310E-15	2.449E-05	9.711E-07	3.140E-07	3.045E-11	4.571E-03	7.499E-01	2.907E-16	1.042E-15
2.500E+03	6.309E-15	2.190E-05	1.338E-06	6.075E-07	2.044E-11	7.213E-03	7.499E-01	5.172E-15	2.707E-14
2.600E+03	2.763E-14	1.972E-05	1.794E-06	1.114E-06	7.699E-11	1.099E-02	7.499E-01	1.734E-14	9.948E-14
2.700E+03	1.076E-13	1.769E-05	2.349E-06	9.957E-06	1.044E-10	1.621E-02	7.359E-01	1.710E-13	1.049E-13
2.800E+03	3.795E-13	1.621E-05	3.067E-06	2.392E-06	1.339E-10	2.325E-02	7.296E-01	5.776E-14	3.210E-13
2.900E+03	1.230E-12	1.474E-05	3.769E-06	5.231E-06	2.089E-10	3.247E-02	7.214E-01	1.760E-13	1.053E-12
3.000E+03	3.690E-12	1.341E-05	4.632E-06	8.335E-06	2.764E-10	4.429E-02	7.112E-01	9.914E-13	3.194E-12
3.100E+03	1.031E-11	1.218E-05	5.304E-06	1.262E-05	3.370E-10	5.907E-02	6.903E-01	1.320E-12	9.017E-12
3.200E+03	2.706E-11	1.103E-05	6.608E-06	1.055E-05	4.567E-10	7.719E-02	6.824E-01	3.300E-12	2.300E-11
3.300E+03	6.683E-11	9.943E-06	7.678E-06	2.692E-05	5.561E-10	9.896E-02	6.634E-01	7.732E-12	5.950E-11
3.400E+03	1.565E-10	8.904E-06	8.763E-06	3.039E-05	6.711E-10	1.245E-01	6.410E-01	1.710E-11	1.409E-10
3.500E+03	3.467E-10	7.911E-06	8.824E-06	5.017E-05	7.922E-10	1.540E-01	6.152E-01	5.420E-11	3.134E-10
3.600E+03	7.422E-10	6.963E-06	1.082E-05	6.657E-05	9.151E-10	1.870E-01	5.806E-01	7.282E-11	6.767E-10
3.700E+03	1.514E-09	6.064E-06	1.170E-05	8.640E-05	1.039E-09	2.244E-01	5.530E-01	1.901E-10	3.700E-09
3.800E+03	2.968E-09	5.210E-06	1.244E-05	1.098E-04	1.143E-09	2.646E-01	5.103E-01	2.500E-10	2.744E-09
3.900E+03	5.609E-09	4.413E-06	1.299E-05	1.367E-04	1.261E-09	3.075E-01	4.800E-01	5.219E-09	3.000E-08
4.000E+03	1.024E-08	3.715E-06	1.332E-05	1.670E-04	1.313E-09	4.547E-01	4.040E-01	1.340E-08	3.059E-07
4.100E+03	1.811E-08	3.071E-06	1.344E-05	2.003E-04	1.372E-09	5.981E-01	3.014E-01	1.207E-08	1.709E-08
4.200E+03	3.100E-08	2.502E-06	1.333E-05	2.362E-04	1.402E-09	6.440E-01	3.611E-01	2.049E-08	2.941E-08
4.300E+03	5.185E-08	2.011E-06	1.302E-05	2.761E-04	1.467E-09	6.991E-01	3.210E-01	3.130E-08	4.931E-08
4.400E+03	6.628E-08	1.595E-06	1.253E-05	3.134E-04	1.500E-09	5.240E-01	2.837E-01	4.722E-08	6.049E-08
4.500E+03	1.337E-07	1.250E-06	1.190E-05	3.536E-04	1.354E-09	5.731E-01	2.479E-01	6.036E-07	3.207E-07
4.600E+03	2.072E-07	9.699E-07	1.137E-05	3.940E-04	1.301E-09	6.167E-01	2.140E-01	9.724E-07	1.994E-07
4.700E+03	3.147E-07	7.457E-07	1.037E-05	4.363E-04	1.237E-09	6.447E-01	1.840E-01	1.340E-06	3.059E-07
4.800E+03	6.681E-07	5.894E-07	9.561E-06	4.762E-04	1.165E-09	6.750E-01	1.581E-01	1.800E-06	4.920E-07
4.900E+03	9.611E-07	4.326E-07	8.715E-06	5.132E-04	1.000E-09	7.015E-01	1.340E-01	2.400E-06	2.779E-07
5.000E+03	9.630E-07	3.276E-07	7.913E-06	5.313E-04	1.011E-09	7.245E-01	1.142E-01	3.133E-06	0.934E-07
5.200E+03	1.939E-06	1.873E-07	6.443E-06	6.263E-04	8.605E-10	7.605E-01	1.173E-02	3.004E-06	1.883E-06
5.400E+03	3.825E-06	1.075E-07	5.195E-06	8.923E-04	7.246E-10	7.836E-01	1.247E-02	7.735E-06	5.317E-06
5.600E+03	6.464E-06	6.268E-08	4.171E-06	7.555E-04	6.948E-10	8.024E-01	4.205E-02	1.130E-07	6.257E-06
5.800E+03	1.109E-05	3.686E-08	3.346E-06	8.124E-04	5.026E-10	8.129E-01	3.053E-02	1.610E-07	1.004E-05
6.000E+03	1.833E-05	2.211E-08	2.686E-06	8.624E-04	4.159E-10	8.189E-01	2.241E-02	2.210E-07	1.750E-05
6.200E+03	2.932E-05	1.347E-08	2.197E-06	9.041E-04	5.616E-10	8.212E-01	1.644E-02	2.750E-07	2.779E-05
6.400E+03	5.579E-05	8.330E-09	3.700E-06	6.152E-04	6.527E-10	8.200E-01	1.251E-02	3.067E-07	6.267E-05
6.600E+03	9.904E-06	5.214E-09	1.309E-06	9.500E-04	2.248E-10	8.182E-01	9.315E-03	4.941E-07	6.370E-05
6.800E+03	1.033E-06	3.298E-09	1.111E-06	9.532E-04	1.702E-10	8.139E-01	7.316E-03	6.204E-07	6.209E-05
7.000E+03	1.503E-06	2.103E-09	8.859E-07	9.604E-04	1.404E-10	8.082E-01	5.364E-03	7.665E-07	1.323E-05
7.200E+03	2.146E-06	1.350E-09	7.032E-07	9.438E-04	1.000E-10	8.010E-01	4.464E-03	9.339E-07	1.045E-05
7.400E+03	3.000E-06	8.721E-10	5.356E-07	9.110E-04	6.265E-11	7.944E-01	3.549E-03	1.121E-06	2.324E-04
7.600E+03	6.149E-06	9.664E-10	4.369E-07	8.997E-04	6.185E-11	7.872E-01	2.643E-03	1.320E-06	3.390E-04
7.800E+03	5.635E-06	3.700E-10	3.242E-07	8.195E-04	5.527E-11	7.802E-01	2.303E-03	1.972E-06	5.903E-04
8.000E+03	7.343E-06	2.413E-10	2.672E-07	7.633E-04	5.275E-11	7.737E-01	1.809E-03	1.001E-06	5.000E-04
8.200E+03	9.940E-06	1.613E-10	2.083E-07	7.040E-04	2.303E-11	7.600E-01	1.564E-03	2.142E-06	7.621E-04
8.400E+03	1.298E-05	1.078E-10	1.625E-07	6.644E-04	1.561E-11	7.631E-01	1.300E-03	2.400E-06	6.209E-04
8.600E+03	1.672E-05	7.279E-11	1.269E-07	5.906E-04	1.173E-11	7.590E-01	1.104E-03	2.803E-06	1.230E-03
8.800E+03	2.129E-05	6.671E-11	9.946E-08	5.320E-04	8.271E-12	7.535E-01	9.461E-04	3.207E-06	1.953E-03
9.000E+03	2.683E-05	3.427E-11	7.827E-08	6.816E-04	5.947E-12	7.525E-01	6.067E-04	3.730E-06	1.933E-03
9.200E+03	3.306E-05	2.391E-11	6.190E-08	4.356E-04	4.149E-12	7.499E-01	4.974E-04	4.270E-06	2.307E-03
9.400E+03	6.132E-05	1.687E-11	4.921E-08	3.961E-04	2.966E-12	7.475E-01	4.004E-04	4.960E-06	2.929E-03
9.600E+03	9.764E-05	1.203E-11	3.935E-08	3.560E-04	2.124E-12	7.450E-01	3.309E-04	5.474E-06	3.557E-03
9.800E+03	7.442E-05	6.500E-12	2.550E-08	2.930E-04	1.211E-12	7.407E-01	2.110E-04	3.882E-06	5.149E-03
1.000E+04	1.719E-02	1.454E-12	9.493E-09	1.057E-04	2.593E-12	7.297E-01	2.329E-04	1.133E-05	1.162E-02
1.200E+04	3.448E-02	3.920E-13	3.037E-09	1.205E-04	6.623E-14	7.011E-01	1.393E-04	1.607E-05	2.290E-02
1.300E+04	6.162E-02	1.135E-13	1.607E-09	7.621E-05	1.827E-14	6.629E-01	8.493E-05	2.200E-05	4.070E-02
1.400E+04	9.908E-02	3.209E-14	6.633E-10	6.940E-05	5.019E-15	6.689E-01	5.133E-05	2.000E-05	6.667E-02
1.500E+04	1.464E-01	9.177E-15	2.625E-10	2.964E-05	1.299E-15	5.300E-01	3.000E-05	5.100E-05	9.000E-02
1.600E+04	2.066E-01	2.314E-15	9.322E-11	1.657E-05	3.004E-15	4.507E-01	1.669E-05	3.257E-05	1.377E-01
1.700E+04	2.620E-01	9.154E-16	3.120E-11	8.500E-06	6.007E-17	3.720E-01	8.247E-06	3.022E-05	1.700E-01
1.800E+04	3								

TABLE II.- Continued

P/PD = 9.00E+03

H	N	N2	N2+	N+	N-	N++	N---	N+++	T
0.	0.	1.584E-01	5.526E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.267E-01	7.901E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.103E-33	2.442E-01	1.103E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.011E-29	2.482E-01	1.432E-20	0.	0.	0.	0.	0.	8.000E+02
0.	8.529E-29	2.493E-01	1.714E-20	0.	0.	0.	0.	0.	9.000E+02
0.	4.934E-23	2.497E-01	1.915E-20	0.	0.	0.	0.	0.	1.000E+03
0.	9.048E-21	2.498E-01	2.025E-20	0.	0.	0.	0.	0.	1.100E+03
0.	7.020E-19	2.499E-01	2.052E-20	0.	0.	0.	0.	0.	1.200E+03
0.	2.768E-17	2.499E-01	2.017E-20	2.867E-32	0.	0.	0.	0.	1.300E+03
0.	6.553E-16	2.500E-01	1.941E-20	3.310E-31	0.	0.	0.	0.	1.400E+03
0.	1.013E-14	2.500E-01	1.842E-20	2.712E-30	0.	0.	0.	0.	1.500E+03
0.	1.115E-13	2.500E-01	1.734E-20	1.685E-29	0.	0.	0.	0.	1.600E+03
0.	9.265E-13	2.500E-01	1.625E-20	8.399E-29	0.	0.	0.	0.	1.700E+03
5.299E-27	6.092E-12	2.500E-01	1.520E-20	3.442E-28	0.	0.	0.	0.	1.800E+03
1.926E-26	3.248E-12	2.500E-01	1.420E-20	1.217E-27	0.	0.	0.	0.	1.900E+03
3.096E-22	1.501E-10	2.499E-01	1.689E-20	4.762E-27	2.310E-30	0.	0.	0.	2.000E+03
6.011E-22	5.936E-11	2.499E-01	7.541E-20	6.268E-26	1.584E-28	0.	0.	0.	2.100E+03
6.932E-20	2.072E-19	2.498E-01	5.080E-19	1.129E-24	4.901E-27	0.	0.	0.	2.200E+03
7.616E-19	6.440E-09	2.496E-01	3.079E-18	1.688E-23	8.211E-26	0.	0.	0.	2.300E+03
5.360E-18	1.049E-08	2.495E-01	1.628E-17	2.020E-22	1.415E-24	0.	0.	0.	2.400E+03
3.228E-17	4.648E-08	2.491E-01	7.537E-17	2.000E-21	1.441E-23	0.	0.	0.	2.500E+03
1.687E-16	1.180E-07	2.486E-01	3.119E-16	1.667E-20	1.421E-22	0.	0.	0.	2.600E+03
7.703E-16	2.693E-07	2.480E-01	1.159E-15	1.180E-19	1.170E-21	0.	0.	0.	2.700E+03
3.210E-15	5.779E-07	2.471E-01	3.928E-15	7.344E-15	8.357E-21	0.	0.	0.	2.800E+03
1.197E-14	1.177E-14	2.459E-01	1.227E-14	4.023E-18	5.173E-20	0.	0.	0.	2.900E+03
4.072E-14	2.247E-06	2.445E-01	5.593E-14	1.967E-17	2.820E-19	0.	0.	0.	3.000E+03
1.276E-13	4.252E-06	2.426E-01	9.864E-14	8.706E-17	1.382E-18	0.	0.	0.	3.100E+03
3.636E-13	7.599E-06	2.403E-01	2.462E-13	3.517E-16	6.092E-18	0.	0.	0.	3.200E+03
9.403E-13	1.310E-11	2.376E-01	5.930E-13	1.307E-15	2.446E-17	0.	0.	0.	3.300E+03
2.520E-12	2.104E-05	2.346E-01	1.358E-12	4.507E-15	9.012E-17	0.	0.	0.	3.400E+03
6.025E-12	3.532E-12	2.307E-01	2.960E-12	1.451E-14	3.068E-16	0.	0.	0.	3.500E+03
1.357E-11	5.555E-05	2.265E-01	6.210E-12	6.383E-14	9.712E-16	0.	0.	0.	3.600E+03
2.901E-11	6.511E-05	2.218E-01	1.250E-11	1.250E-13	2.074E-15	0.	0.	0.	3.700E+03
5.900E-11	1.279E-04	2.168E-01	2.428E-11	3.383E-13	7.990E-15	0.	0.	0.	3.800E+03
1.149E-10	1.663E-04	2.114E-01	4.566E-11	8.710E-13	2.091E-14	0.	0.	0.	3.900E+03
2.127E-10	2.671E-04	2.057E-01	8.325E-11	2.149E-12	5.213E-14	0.	0.	0.	4.000E+03
3.791E-10	3.759E-04	1.999E-01	1.478E-10	5.085E-12	1.233E-13	0.	0.	0.	4.100E+03
6.495E-10	5.199E-04	1.960E-01	2.958E-10	1.159E-11	2.704E-13	0.	0.	0.	4.200E+03
1.073E-09	7.378E-04	1.883E-01	4.330E-10	2.549E-11	6.021E-13	0.	0.	0.	4.300E+03
1.712E-09	9.679E-04	1.827E-01	7.181E-10	5.433E-11	1.251E-12	0.	0.	0.	4.400E+03
2.665E-09	1.258E-03	1.774E-01	1.165E-09	1.124E-10	2.504E-12	0.	0.	0.	4.500E+03
3.966E-09	1.645E-03	1.724E-01	1.871E-09	2.262E-10	4.847E-12	0.	0.	0.	4.600E+03
5.786E-09	2.129E-03	1.679E-01	2.999E-09	4.437E-10	9.119E-12	0.	0.	0.	4.700E+03
8.231E-09	2.727E-03	1.637E-01	6.579E-09	8.490E-10	1.662E-11	0.	0.	0.	4.800E+03
1.144E-08	3.459E-03	1.599E-01	7.015E-09	1.589E-09	2.946E-11	0.	0.	0.	4.900E+03
1.558E-08	4.369E-03	1.566E-01	1.060E-08	2.909E-09	5.102E-11	0.	0.	0.	5.000E+03
2.737E-08	6.707E-03	1.504E-01	2.313E-08	9.165E-09	5.102E-10	0.	0.	0.	5.200E+03
4.521E-08	1.033E-02	1.452E-01	4.087E-08	2.673E-08	3.666E-10	0.	0.	0.	5.400E+03
7.165E-08	1.657E-02	1.402E-01	9.753E-08	7.256E-08	8.789E-10	0.	0.	0.	5.600E+03
1.071E-07	2.059E-02	1.351E-01	1.856E-07	1.842E-07	1.966E-09	0.	0.	0.	5.800E+03
1.560E-07	2.438E-02	1.295E-01	4.330E-07	4.389E-07	4.145F-09	4.389E-23	0.	0.	6.000E+03
2.203E-07	3.832E-07	1.231E-01	5.839E-07	9.855E-07	5.278E-09	4.223E-24	0.	0.	6.200E+03
3.037E-07	4.980E-02	1.157E-01	9.658E-07	2.092E-06	1.571E-08	3.512E-23	0.	0.	6.400E+03
4.088E-07	6.378E-02	1.073E-01	1.525E-07	4.212E-06	2.843E-08	2.551E-22	0.	0.	6.600E+03
5.393E-07	7.962E-02	9.797E-02	2.300E-06	8.060E-06	4.910E-08	1.633E-21	0.	0.	6.800E+03
6.987E-07	9.706E-02	8.776E-02	3.311E-06	1.470E-05	8.141E-06	0.301E-21	0.	0.	7.000E+03
8.906E-07	1.156E-01	7.701E-02	4.552E-05	2.550E-05	1.234E-06	0.768E-20	0.	0.	7.200E+03
1.119E-06	1.343E-01	6.604E-02	5.980E-06	4.282E-05	1.976E-07	2.109E-19	0.	0.	7.400E+03
1.380E-06	1.528E-01	5.564E-02	7.518E-05	6.812E-05	2.906E-07	0.176E-19	0.	0.	7.600E+03
1.609E-06	1.703E-01	4.568E-02	9.059E-06	1.046E-04	4.122E-07	3.524E-18	0.	0.	7.800E+03
2.059E-06	1.856E-01	3.655E-02	1.050E-02	1.554E-04	5.656E-07	1.240E-17	0.	0.	8.000E+03
2.471E-06	1.989E-01	2.805E-02	1.177E-05	2.323E-04	7.529E-07	4.107E-17	0.	0.	8.200E+03
2.936E-06	2.099E-01	2.266E-02	2.181E-05	3.115E-04	9.753E-07	1.263E-16	0.	0.	8.400E+03
3.465E-06	2.167E-01	1.730E-02	1.360E-05	4.241E-04	1.234E-06	3.656E-16	0.	0.	8.600E+03
4.053E-06	2.252E-01	1.325E-02	1.816E-05	5.644E-04	1.928E-06	1.002E-15	0.	0.	8.800E+03
4.705E-06	2.307E-01	1.011E-02	1.615E-05	7.382E-04	1.881E-06	2.609E-15	0.	0.	9.000E+03
5.423E-06	2.349E-01	7.722E-03	1.673E-05	9.492E-04	2.231E-06	6.497E-15	0.	0.	9.200E+03
6.208E-06	2.372E-01	5.909E-03	1.681E-05	1.203E-03	2.639E-06	1.552E-14	0.	0.	9.400E+03
7.060E-06	2.391E-01	4.538E-03	1.479E-05	1.500E-03	3.087E-06	3.567E-14	0.	0.	9.600E+03
7.979E-06	2.403E-01	3.502E-03	1.649E-05	1.864E-03	3.973E-06	7.916E-14	0.	0.	9.800E+03
8.966E-06	2.410E-01	2.716E-03	1.654E-05	2.285E-03	4.099E-06	1.700E-13	0.	0.	1.000E+04
1.478E-05	2.386E-01	8.293E-04	1.331E-05	9.569E-03	7.260E-06	5.103E-12	0.	0.	1.100E+04
2.156E-05	2.293E-01	2.856E-04	1.166E-05	1.191E-02	1.104E-05	8.706E-11	0.	0.	1.200E+04
2.819E-05	2.135E-01	1.064E-04	9.770E-06	2.085E-02	1.470E-05	9.632E-10	1.694E-24	0.	1.300E+04
3.320E-05	1.911E-01	4.105E-05	7.726E-06	3.383E-02	1.728E-05	7.570E-09	1.700E-22	0.	1.400E+04
3.525E-05	1.631E-01	1.981E-05	9.675E-06	4.976E-02	1.800E-05	6.315E-08	1.182E-20	0.	1.500E+04
3.373E-05	1.311E-01	5.901E-05	3.842E-06	6.695E-02	1.662E-05	2.147E-07	4.770E-19	0.	1.600E+04
2.919E-05	1.209E-01	2.103E-04	2.389E-06	8.329E-02	1.364E-05	8.476E-07	1.200E-17	0.	1.700E+04
2.200E-05	7.353E-02	7.151E-07	1.376E-06	9.642E-02	1.017E-05	2.866E-06	2.542E-16	0.	1.800E+04
1.637E-05	9.141E-02	2.398E-07	7.919E-07	1.070E-01	8.766E-06	8.597E-06	3.005E-15	0.	1.900E+04
1.120E-05	3.048E-02	7.708E-08	3.955E-07	1.337E-01	4.514E-06	2.299E-05	6.938E-14	0.	2.000E+04

TABLE II.- Continued

I	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H0
2.100E+04	6.300E-01	6.550E-19	1.400E-13	3.200E-07	3.779E-20	1.140E-01	3.502E-07	1.012E-00	3.120E-01
2.200E+04	6.500E-01	7.333E-20	4.000E-14	1.301E-07	5.714E-21	8.103E-02	1.482E-07	6.603E-06	3.301E-01
2.300E+04	6.647E-01	1.261E-20	1.071E-14	5.900E-08	9.160E-22	5.922E-02	6.377E-06	4.641E-06	3.423E-01
2.400E+04	6.764E-01	2.244E-21	2.909E-15	2.674E-08	1.504E-22	4.349E-02	2.421E-06	3.130E-06	3.507E-01
2.500E+04	6.813E-01	4.403E-22	8.722E-16	1.239E-08	2.971E-23	3.253E-02	1.292E-06	2.142E-06	3.565E-01
2.600E+04	6.845E-01	9.341E-23	2.710E-16	9.947E-09	6.046E-24	2.001E-02	6.140E-09	1.482E-06	3.604E-01
2.700E+04	6.904E-01	2.140E-23	8.950E-17	2.952E-09	1.327E-24	1.930E-02	3.029E-09	1.061E-06	3.629E-01
2.800E+04	6.940E-01	5.205E-24	1.004E-17	1.500E-09	3.109E-25	1.591E-02	1.590E-09	7.627E-07	3.642E-01
2.900E+04	6.976E-01	1.380E-24	1.120E-17	7.809E-10	7.694E-26	1.237E-02	8.214E-10	9.372E-07	3.644E-01
3.000E+04	6.914E-01	3.820E-25	4.235E-18	4.200E-10	7.666E-26	1.015E-02	6.490E-10	3.944E-07	3.630E-01
3.100E+04	5.957E-01	1.107E-25	1.040E-18	2.261E-10	5.727E-27	8.638E-03	2.539E-10	2.933E-07	3.622E-01
3.200E+04	5.100E-01	3.330E-26	6.495E-19	1.224E-10	1.623E-27	7.150E-03	1.748E-10	2.209E-07	3.599E-01
3.300E+04	5.150E-01	1.033E-26	2.615E-19	6.631E-11	3.066E-28	6.113E-03	8.780E-11	1.601E-07	3.571E-01
3.400E+04	5.212E-01	3.204E-27	1.006E-19	3.566E-11	1.053E-29	5.204E-03	5.390E-11	1.2795E-07	3.530E-01
3.500E+04	5.264E-01	1.061E-27	4.392E-20	1.951E-11	2.065E-29	4.611E-03	3.344E-11	1.080E-07	3.500E-01
3.600E+04	5.314E-01	3.557E-20	1.850E-20	1.043E-11	7.611E-30	4.059E-03	2.131E-11	7.037E-08	3.474E-01
3.700E+04	5.357E-01	1.211E-20	7.724E-21	5.620E-12	2.142E-30	3.001E-03	1.388E-11	6.815E-08	3.444E-01
3.800E+04	5.395E-01	6.224E-29	3.309E-21	3.050E-12	9.943E-31	2.217E-03	9.163E-12	9.077E-08	3.421E-01
3.900E+04	5.427E-01	1.514E-29	4.441E-21	1.644E-12	1.677E-31	2.093E-03	6.171E-12	4.122E-08	3.401E-01
4.000E+04	5.454E-01	5.573E-30	6.397E-22	9.159E-13	4.831E-32	2.616E-03	4.223E-12	3.377E-08	3.383E-01
4.100E+04	5.477E-01	2.108E-30	2.895E-22	9.997E-13	0.	2.170E-03	2.933E-12	2.799E-08	3.360E-01
4.200E+04	5.497E-01	6.197E-31	1.337E-22	2.870E-13	0.	2.171E-03	2.064E-12	2.323E-08	3.354E-01
4.300E+04	5.514E-01	3.273E-31	6.296E-23	1.635E-13	0.	1.991E-03	1.479E-12	1.940E-08	3.344E-01
4.400E+04	5.531E-01	1.340E-31	3.021E-23	9.477E-14	0.	1.633E-03	1.065E-12	1.664E-08	3.333E-01
4.500E+04	5.546E-01	5.616E-32	1.475E-23	5.493E-14	0.	1.693E-03	7.780E-13	1.295E-08	3.322E-01
4.600E+04	5.566E-01	2.405E-32	7.319E-24	3.282E-14	0.	1.369E-03	9.791E-13	1.190E-08	3.310E-01
4.700E+04	5.585E-01	1.050E-32	3.662E-24	1.917E-14	0.	1.457E-03	6.290E-13	1.020E-08	3.290E-01
4.800E+04	5.607E-01	6.657E-33	1.876E-24	1.144E-14	0.	1.357E-03	3.250E-13	8.775E-09	3.282E-01
4.900E+04	5.630E-01	2.096E-33	9.633E-25	6.050E-15	0.	1.267E-03	2.694E-13	7.501E-09	3.265E-01
5.000E+04	5.656E-01	4.990E-34	4.990E-25	4.124E-15	0.	1.189E-03	1.070E-13	6.974E-09	3.246E-01

E/Hz = 1.00E+01

I	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H0
5.000E+02	0.	3.643E-21	1.567E-20	0.957E-15	1.753E-28	1.507E-21	4.618E-01	1.172E-18	1.411E-21
6.000E+02	2.	1.217E-21	3.368E-19	6.391E-20	9.435E-25	1.207E-19	6.730E-01	9.768E-19	9.768E-21
7.000E+02	2.	2.567E-22	2.549E-15	1.115E-24	1.334E-26	8.862E-15	7.320E-01	9.466E-19	1.040E-20
8.000E+02	2.	8.901E-23	6.927E-16	1.354E-21	3.582E-23	7.924E-17	7.633E-01	8.062E-19	3.799E-20
9.000E+02	2.	3.187E-23	1.340E-12	3.378E-16	1.122E-18	2.227E-21	7.476E-01	7.033E-19	7.033E-20
1.000E+03	2.	1.641E-23	7.217E-11	7.782E-17	1.759E-17	1.047E-21	7.104E-01	7.232E-19	7.232E-20
1.100E+03	2.	7.955E-24	7.181E-11	1.025E-15	1.664E-16	7.087E-21	7.494E-01	6.507E-19	1.810E-19
1.200E+03	2.	4.700E-26	1.014E-10	2.077E-14	1.057E-14	5.028E-15	7.496E-01	5.864E-19	7.446E-19
1.300E+03	2.	3.008E-26	1.004E-09	2.637E-17	5.335E-15	3.028E-07	7.494E-01	5.261E-19	5.072E-19
1.400E+03	2.	2.157E-26	1.018E-09	2.637E-12	2.392E-14	1.233E-08	7.494E-01	4.641E-19	3.648E-19
1.500E+03	2.	1.476E-26	3.227E-25	1.543E-11	8.664E-16	4.162E-08	7.494E-01	4.184E-19	4.184E-19
1.600E+03	2.	1.078E-29	1.101E-06	1.823E-11	6.064E-11	1.645E-07	7.487E-01	6.184E-19	6.184E-19
1.700E+03	2.	6.637E-29	1.641E-06	3.649E-10	4.882E-12	4.030E-05	7.499E-01	3.765E-19	5.054E-19
1.800E+03	2.	4.286E-26	6.640E-05	9.941E-08	1.264E-06	1.611E-07	7.493E-01	2.944E-19	4.400E-19
1.900E+03	2.	2.656E-25	5.656E-05	1.776E-07	6.055E-09	3.239E-12	7.173E-02	9.877E-19	5.799E-19
2.000E+03	2.	1.201E-19	4.730E-35	2.046E-07	1.151E-08	6.533E-12	4.646E-06	4.646E-19	7.361E-19
2.100E+03	2.	3.944E-18	4.042E-35	2.218E-07	2.932E-08	4.571E-12	7.492E-01	1.253E-18	3.480E-18
2.200E+03	2.	3.372E-17	3.501E-05	1.926E-07	6.992E-08	1.646E-11	1.518E-03	7.098E-01	8.163E-18
2.300E+03	2.	1.413E-16	7.071E-05	7.210E-07	1.533E-07	7.763E-11	7.662E-03	7.777E-01	6.087E-18
2.400E+03	2.	1.218E-15	7.723E-03	1.024E-06	1.347E-07	3.760E-11	4.337E-03	7.662E-01	2.577E-18
2.500E+03	2.	6.493E-19	2.434E-05	1.617E-06	1.077E-07	5.769E-11	6.658E-03	7.662E-01	1.378E-18
2.600E+03	2.	2.586E-16	2.193E-05	1.893E-06	1.111E-06	8.562E-11	1.043E-02	7.609E-01	4.617E-15
2.700E+03	2.	1.927E-16	1.984E-06	7.647E-06	9.959E-06	1.777E-10	1.479E-02	7.561E-01	3.792E-16
2.800E+03	2.	3.223E-13	1.835E-05	1.717E-06	3.206E-06	1.711E-12	7.877E-02	7.527E-01	5.458E-14
2.900E+03	2.	1.426E-12	1.646E-05	3.943E-06	3.206E-06	1.262E-10	2.386E-02	7.239E-01	9.648E-13
3.000E+03	2.	6.427E-12	1.607E-05	1.915E-06	8.995E-06	1.017E-09	2.622E-02	7.239E-01	6.049E-17
3.100E+03	2.	1.420E-11	1.707E-05	1.511E-06	1.017E-06	7.362E-10	1.297E-02	7.239E-01	1.605E-16
3.200E+03	2.	1.218E-10	1.723E-05	1.024E-06	1.347E-07	3.760E-11	4.337E-03	7.662E-01	9.477E-16
3.300E+03	2.	6.493E-11	1.117E-05	8.199E-06	2.663E-05	6.223E-10	9.615E-02	7.562E-01	5.466E-11
3.400E+03	2.	1.653E-10	1.673E-05	9.326E-06	9.717E-06	7.640E-10	1.104E-01	6.447E-02	8.797E-16
3.500E+03	2.	3.710E-13	8.942E-06	7.588E-05	5.057E-05	8.927E-10	1.647E-02	7.215E-01	3.467E-11
3.600E+03	2.	6.897E-13	7.933E-06	1.157E-05	6.715E-05	1.035E-09	1.780E-01	5.934E-01	7.161E-11
3.700E+03	2.	1.408E-12	6.915E-06	1.236E-05	6.737E-05	1.117E-09	2.165E-01	9.627E-01	1.377E-10
3.800E+03	2.	2.762E-12	5.940E-06	1.340E-05	1.112E-04	1.205E-09	2.514E-01	5.282E-01	2.567E-10
3.900E+03	2.	5.223E-12	4.114E-06	1.449E-05	1.938E-04	1.422E-09	2.950E-01	6.917E-01	4.879E-09
4.000E+03	2.	9.266E-12	4.314E-06	1.464E-05	1.699E-04	1.514E-09	3.207E-01	6.534E-01	7.791E-11
4.100E+03	2.	1.690E-11	3.991E-06	1.600E-05	2.046E-04	1.597E-09	3.176E-01	6.141E-01	1.201E-10
4.200E+03	2.	2.903E-08	7.949E-06	1.664E-05	2.616E-04	1.651E-09	4.209E-01	3.764E-01	2.737E-08
4.300E+03	2.	6.649E-08	2.389E-06	1.618E-05	2.812E-04	1.668E-09	4.714E-01	3.552E-01	6.596E-08
4.400E+03	2.	7.620E-08	1.911E-06	1.392E-05	3.225E-04	1.649E-09	5.169E-01	2.972E-01	4.756E-08
4.500E+03	2.	1.253E-07	1.510E-06	1.320E-05	2.655E-04	1.601E-09	5.180E-01	2.017E-01	1.999E-07
4.600E+03	2.	1.945E-07	1.181E-06	1.237E-05	2.627E-04	1.547E-09	5.967E-01	2.275E-01	9.057E-07
4.700E+03	2.	2.956E-07	9.154E-07	1.120E-05	6.955E-04	1.670E-09	6.311E-01	1.968E-01	1.771E-06
4.800E+03	2.	6.434E-07	7.930E-07	1.008E-05	6.926E-04	1.399E-09	1.642E-01	1.081E-01	6.251E-07

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
7.347E-06	2.427E-02	2.568E-08	2.072E-07	1.180E-01	2.630E-06	9.676E-05	4.420E-13	0.	2.100E+04
6.696E-06	1.672E-02	8.881E-09	1.098E-07	1.205E-01	1.707E-06	1.303E-04	3.634E-12	0.	2.200E+04
2.987E-06	1.170E-02	3.224E-05	5.951E-08	1.219E-01	1.106E-06	2.807E-04	2.551E-11	0.	2.300E+04
1.913E-06	6.340E-03	1.234E-05	3.313E-08	1.225E-01	7.014E-07	9.711E-06	1.553E-10	0.	2.400E+04
1.242E-06	6.049E-03	4.973E-10	1.894E-08	1.225E-01	4.527E-07	1.103E-03	8.312E-10	0.	2.500E+04
8.213E-07	6.493E-03	2.101E-10	1.104E-08	1.219E-01	2.976E-07	2.027E-03	3.949E-09	0.	2.600E+04
5.561E-07	3.362E-03	9.240E-11	6.621E-09	1.205E-01	1.991E-07	3.550E-03	1.680E-08	0.	2.700E+04
3.019E-07	2.576E-03	6.193E-11	3.997E-09	1.180E-01	1.351E-07	5.957E-03	6.442E-08	0.	2.800E+04
2.699E-07	1.977E-03	1.494E-11	2.420E-09	1.141E-01	9.269E-08	9.327E-03	2.234E-07	0.	2.900E+04
1.939E-07	1.520E-03	9.100E-12	1.455E-09	1.096E-01	6.396E-08	1.652E-02	7.053E-07	0.	3.000E+04
1.026E-07	1.164E-03	4.256E-12	8.604E-10	1.013E-01	4.418E-08	2.109E-02	2.026E-06	0.	3.100E+04
1.075E-07	8.660E-04	1.960E-12	4.961E-10	9.234E-02	3.039E-08	2.913E-02	9.317E-06	0.	3.200E+04
8.255E-08	6.633E-04	9.935E-13	2.773E-09	10.204E-02	2.076E-08	3.830E-02	1.200E-05	0.	3.300E+04
6.466E-08	4.907E-04	3.966E-13	1.649E-10	7.115E-02	1.401E-08	4.806E-02	2.045E-05	4.041E-12	3.400E+04
5.154E-08	3.506E-04	1.721E-13	7.052E-11	6.024E-02	9.362E-09	5.773E-02	9.876E-05	1.851E-11	3.500E+04
4.179E-08	2.579E-04	7.320E-14	4.002E-11	6.994E-02	6.193E-09	6.680E-02	1.137E-04	7.611E-11	3.600E+04
3.646E-08	1.861E-04	3.077E-14	1.998E-11	4.062E-02	4.066E-09	7.465E-02	2.060E-04	2.043E-10	3.700E+04
2.674E-08	1.305E-04	1.202E-14	9.845E-12	3.294E-02	2.658E-09	9.168E-02	3.622E-04	9.759E-10	3.800E+04
2.433E-08	9.251E-05	5.325E-15	4.821E-12	2.637E-02	1.736E-09	8.725E-02	6.043E-04	3.105E-09	3.900E+04
2.089E-08	6.520E-05	2.239E-15	2.304E-12	2.102E-02	1.135E-09	9.159E-02	9.717E-04	9.237E-09	4.000E+04
1.687E-08	4.623E-05	9.439E-16	1.180E-12	1.672E-02	7.453E-10	9.779E-02	1.513E-03	2.585E-09	4.100E+04
1.582E-08	3.265E-05	6.052E-16	5.743E-13	1.330E-02	6.920E-10	9.696E-02	2.287E-03	6.043E-08	4.200E+04
1.399E-08	2.344E-05	1.756E-16	2.667E-13	1.056E-02	3.267E-10	9.817E-02	3.347E-03	1.721E-07	4.300E+04
1.246E-08	1.688E-05	9.711E-17	1.444E-13	8.430E-03	2.184E-10	9.844E-02	4.835E-03	4.122E-07	4.400E+04
1.1119E-08	1.208E-05	3.642E-17	7.327E-17	6.719E-03	1.464E-09	9.778E-02	6.777E-03	9.450E-07	4.500E+04
1.012E-08	6.718E-06	1.939E-17	3.740E-16	5.359E-03	9.917E-11	9.620E-02	9.280E-03	2.064E-04	4.600E+04
9.201E-09	6.295E-06	6.959E-18	1.916E-16	4.264E-03	6.727E-11	9.308E-02	1.241E-02	4.328E-04	4.700E+04
8.615E-09	4.549E-06	3.105E-18	9.023E-15	3.380E-03	5.576E-11	9.027E-02	1.621E-02	8.703E-06	4.800E+04
7.734E-09	3.283E-06	1.464E-16	5.027E-15	2.662E-03	3.113E-11	8.907E-02	2.068E-02	3.479E-05	4.900E+04
7.138E-09	2.364E-06	6.561E-19	2.560E-15	2.113E-03	2.110E-11	8.070E-02	2.576E-02	3.114E-05	5.000E+04

P/PG = 1.000E+01

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.539E-01	5.399E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.266E-01	7.965E-21	0.	0.	0.	0.	0.	4.000E+02
0.	1.065E-03	2.336E-01	1.107E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.653E-03	2.480E-01	1.636E-20	0.	0.	0.	0.	0.	8.000E+02
0.	8.090E-03	2.452E-01	1.722E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.000E-03	2.646E-01	1.930E-20	0.	0.	0.	0.	0.	1.000E+03
0.	6.622E-03	2.646E-01	2.064E-20	0.	0.	0.	0.	0.	1.200E+03
0.	6.666E-03	2.499E-01	2.064E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.636E-03	2.499E-01	2.054E-20	0.	0.	0.	0.	0.	1.400E+03
0.	6.216E-16	2.499E-02	1.886E-23	3.710E-31	0.	0.	0.	0.	1.500E+03
0.	9.615E-16	2.500E-02	1.891E-20	2.664E-30	0.	0.	0.	0.	1.600E+03
0.	1.059E-13	2.500E-02	1.790E-20	1.666E-29	0.	0.	0.	0.	1.700E+03
0.	8.709E-13	2.500E-02	1.677E-20	8.146E-29	0.	0.	0.	0.	1.800E+03
4.860E-27	5.770E-12	2.500E-02	1.572E-23	3.379E-20	0.	0.	0.	0.	1.900E+03
1.764E-24	3.120E-11	2.500E-02	1.677E-23	1.130E-20	0.	0.	0.	0.	2.000E+03
2.890E-22	1.824E-10	2.500E-02	1.712E-20	6.970E-27	0.	0.	0.	0.	2.100E+03
7.800E-21	5.630E-10	2.500E-02	1.736E-20	5.790E-26	1.563E-28	0.	0.	0.	2.200E+03
6.750E-20	1.676E-09	2.498E-01	4.920E-19	1.037E-26	6.613E-27	0.	0.	0.	2.300E+03
7.642E-19	6.157E-09	2.497E-01	2.982E-19	1.549E-23	8.045E-26	0.	0.	0.	2.400E+03
5.255E-18	1.795E-08	2.495E-01	1.977E-17	1.866E-22	1.610E-24	0.	0.	0.	2.500E+03
3.161E-17	6.630E-08	2.491E-01	7.303E-17	1.666E-21	1.617E-23	0.	0.	0.	2.600E+03
1.652E-16	1.120E-07	2.487E-01	8.026E-16	1.533E-20	1.191E-22	0.	0.	0.	2.700E+03
7.620E-16	2.352E-05	2.488E-01	1.124E-15	1.091E-19	1.192E-21	0.	0.	0.	2.800E+03
3.161E-15	6.564E-07	2.472E-01	3.018E-15	6.759E-19	8.170E-21	0.	0.	0.	2.900E+03
1.172E-14	1.111E-06	2.461E-01	1.191E-16	9.703E-18	5.260E-20	0.	0.	0.	3.000E+03
3.099E-14	2.170E-06	2.467E-01	3.469E-16	1.811E-17	2.740E-19	0.	0.	0.	3.100E+03
1.249E-13	6.037E-06	2.430E-01	9.380E-17	8.316E-17	1.335E-18	0.	0.	0.	3.200E+03
3.609E-13	2.212E-06	2.466E-01	2.392E-15	3.379E-16	5.946E-18	0.	0.	0.	3.300E+03
6.799E-13	1.246E-05	2.382E-01	5.766E-13	1.204E-15	2.330E-17	0.	0.	0.	3.400E+03
2.400E-12	2.079E-05	2.393E-01	1.320E-12	4.151E-15	8.445E-17	0.	0.	0.	3.500E+03
3.350E-12	3.216E-05	2.385E-01	1.334E-12	4.034E-16	3.010E-16	0.	0.	0.	3.600E+03
1.730E-11	5.262E-05	2.276E-01	6.062E-12	4.037E-14	6.533E-16	0.	0.	0.	3.700E+03
2.885E-11	6.057E-05	2.215E-01	1.217E-11	1.515E-13	2.629E-15	0.	0.	0.	3.800E+03
9.651E-11	1.212E-04	2.182E-01	2.366E-11	3.114E-13	7.663E-15	0.	0.	0.	3.900E+03
1.137E-10	1.774E-04	2.129E-01	6.466E-11	6.023E-13	2.066E-14	0.	0.	0.	4.000E+03
2.110E-10	2.545E-04	2.076E-01	8.105E-11	1.977E-12	9.143E-14	0.	0.	0.	4.100E+03
3.764E-10	3.542E-04	2.017E-01	1.630E-10	6.676E-12	1.210E-13	0.	0.	0.	4.200E+03
6.511E-10	6.456E-04	1.659E-01	2.664E-10	1.566E-11	2.736E-13	0.	0.	0.	4.300E+03
1.070E-09	6.760E-04	1.662E-01	4.211E-10	2.360E-11	5.965E-13	0.	0.	0.	4.400E+03
1.729E-09	6.058E-04	1.687E-01	6.977E-10	4.981E-11	1.261E-12	0.	0.	0.	4.500E+03
2.062E-09	1.230E-03	1.793E-01	1.135E-09	1.029E-10	2.490E-12	0.	0.	0.	4.600E+03
6.630E-09	1.569E-03	1.763E-01	1.814E-09	2.069E-10	4.626E-12	0.	0.	0.	4.700E+03
5.913E-09	2.030E-03	1.696E-01	2.856E-09	6.053E-10	9.000E-12	0.	0.	0.	4.800E+03
6.643E-09	2.600E-03	1.653E-01	4.625E-09	7.760E-10	1.655E-11	0.	0.	0.	4.900E+03

TABLE II. - Continued

T	E-	NH3	-2		NH2	H	H2	H2O	H
4.000E+03	6.643E-07	5.382E-07	9.922E-02	1.107E-06	1.312E-05	6.901E-01	1.667E-01	2.474E-00	6.297E-07
5.000E+03	7.767E-37	4.102E-07	9.064E-01	1.107E-06	1.224E-05	7.741E-01	1.239E-01	3.722E-00	3.977E-07
5.200E+03	1.831E-06	2.370E-07	7.437E-01	1.107E-06	1.048E-05	7.521E-01	8.889E-02	5.250E-00	1.776E-06
5.400E+03	2.627E-06	1.372E-07	6.121E-01	1.107E-06	8.863E-05	7.705E-01	6.796E-02	8.377E-00	3.222E-06
5.600E+03	6.121E-06	8.023E-06	5.641E-01	1.107E-06	7.435E-05	7.979E-01	6.621E-02	1.189E-00	5.018E-06
5.800E+03	1.350E-05	4.750E-06	5.091E-01	1.107E-06	6.201E-05	8.298E-01	5.766E-02	1.667E-00	1.210E-06
6.000E+03	1.737E-05	2.086E-05	4.421E-01	1.104E-06	5.144E-05	8.167E-01	2.477E-02	2.321E-00	1.658E-05
6.200E+03	2.733E-05	1.175E-05	3.751E-01	1.104E-06	4.746E-05	8.106E-01	1.844E-02	2.321E-00	2.672E-05
6.400E+03	4.371E-05	1.710E-05	3.111E-01	1.104E-06	9.921E-05	3.674E-01	2.020E-02	1.388E-00	4.069E-05
6.600E+03	5.594E-05	6.931E-05	2.517E-01	1.101E-06	1.017E-05	2.820E-01	8.182E-02	1.057E-00	1.676E-05
6.800E+03	9.703E-05	4.767E-05	2.010E-01	1.102E-06	1.220E-05	2.763E-01	8.144E-02	8.138E-00	6.556E-05
7.000E+03	1.439E-04	2.184E-05	1.616E-01	1.102E-06	1.026E-05	1.787E-01	6.511E-02	8.197E-00	1.778E-05
7.200E+03	2.013E-04	1.193E-05	1.313E-01	1.102E-06	1.012E-05	1.392E-01	8.928E-02	9.787E-00	1.215E-05
7.400E+03	2.651E-04	1.103E-05	1.086E-01	1.082E-06	9.812E-06	1.046E-01	7.959E-02	3.893E-00	2.612E-05
7.600E+03	3.932E-04	7.536E-05	8.744E-02	9.400E-06	6.372E-05	7.087E-01	3.777E-02	1.188E-00	2.672E-05
7.800E+03	5.760E-04	4.970E-05	6.133E-02	8.891E-06	5.920E-05	5.920E-01	7.817E-02	1.366E-00	4.285E-05
8.000E+03	7.748E-04	3.284E-05	4.733E-02	8.373E-06	6.316E-05	7.757E-01	2.107E-02	1.950E-00	5.637E-05
8.200E+03	9.439E-04	2.184E-05	3.633E-02	7.605E-06	9.605E-05	3.100E-01	7.594E-02	1.764E-00	2.269E-05
8.400E+03	1.231E-03	1.674E-05	2.618E-02	7.067E-06	2.211E-05	7.467E-01	1.658E-02	2.677E-00	1.277E-05
8.600E+03	1.585E-03	9.912E-03	1.555E-02	6.651E-06	1.976E-05	7.400E-01	1.730E-03	2.078E-00	1.715E-05
8.800E+03	2.119E-03	6.776E-02	1.220E-02	8.869E-06	1.117E-05	7.564E-01	2.067E-02	1.678E-00	1.679E-05
9.000E+03	2.564E-03	4.663E-02	9.615E-03	9.710E-06	7.924E-05	7.477E-01	8.994E-02	3.971E-00	1.937E-05
9.200E+03	3.175E-03	3.272E-02	7.615E-03	8.818E-06	8.681E-05	6.864E-01	7.545E-02	7.763E-00	2.348E-05
9.400E+03	3.922E-03	2.711E-02	6.262E-03	6.367E-06	6.374E-05	7.482E-01	6.751E-02	1.927E-00	2.778E-05
9.600E+03	4.813E-03	1.650E-02	4.852E-03	9.957E-06	2.996E-05	7.494E-01	5.905E-02	5.790E-00	3.778E-05
9.800E+03	5.852E-03	1.790E-02	3.904E-03	7.834E-06	2.105E-05	7.475E-01	5.197E-02	6.495E-00	4.278E-05
1.000E+04	7.052E-03	8.666E-02	3.160E-03	3.253E-06	1.537E-05	7.414E-01	4.598E-02	7.267E-00	4.899E-05
1.100E+04	1.673E-03	2.016E-02	1.778E-03	2.070E-06	3.924E-05	7.370E-01	7.594E-02	1.197E-00	1.104E-05
1.200E+04	2.277E-03	9.496E-03	6.789E-03	1.349E-06	6.222E-05	7.308E-01	1.557E-02	1.788E-00	2.184E-05
1.300E+04	3.666E-03	1.599E-03	5.027E-03	8.074E-06	5.747E-05	7.479E-01	4.474E-02	9.424E-00	3.088E-05
1.400E+04	5.112E-03	6.752E-03	4.811E-03	5.624E-06	7.226E-05	6.154E-01	4.837E-02	3.029E-00	4.298E-05
1.500E+04	1.422E-03	1.352E-03	3.624E-03	3.422E-06	1.918E-05	7.487E-01	5.487E-02	3.448E-00	1.649E-05
1.600E+04	1.966E-03	3.527E-03	2.775E-03	1.968E-06	6.611E-05	6.732E-01	1.069E-02	3.550E-00	1.322E-05
1.700E+04	2.562E-03	6.189E-03	4.311E-03	1.079E-05	4.775E-05	7.384E-01	1.032E-02	3.325E-00	1.733E-05
1.800E+04	3.393E-03	1.677E-03	7.313E-03	5.033E-06	7.801E-05	7.224E-01	7.707E-02	7.594E-00	1.104E-05
1.900E+04	3.973E-03	1.073E-03	1.643E-03	2.281E-06	3.033E-05	7.337E-01	2.471E-02	2.288E-00	2.744E-05
2.000E+04	5.960E-03	5.199E-03	5.077E-03	8.074E-06	4.717E-05	7.477E-01	1.355E-02	1.789E-00	2.184E-05
2.100E+04	6.253E-02	8.557E-03	7.508E-03	4.260E-06	9.179E-05	7.221E-01	6.539E-02	1.185E-00	2.778E-05
2.200E+04	7.473E-02	1.677E-03	4.620E-03	1.078E-05	7.113E-05	8.065E-01	1.647E-02	4.119E-00	1.262E-05
2.300E+04	6.613E-02	7.660E-03	1.739E-03	7.939E-06	1.019E-05	6.135E-02	6.375E-02	5.538E-00	1.398E-05
2.400E+04	6.718E-02	6.553E-03	4.875E-03	5.999E-06	7.199E-05	7.677E-02	7.778E-02	3.807E-00	1.648E-05
2.500E+04	6.742E-02	8.417E-03	2.666E-03	1.676E-05	6.045E-05	7.581E-02	1.740E-02	7.627E-00	2.546E-05
2.600E+04	6.967E-02	1.627E-02	4.927E-03	8.084E-06	1.240E-05	7.717E-02	6.724E-02	2.288E-00	2.519E-05
2.700E+04	4.893E-02	6.399E-02	9.747E-03	5.976E-06	2.179E-05	7.217E-02	1.355E-02	1.199E-00	2.474E-05
2.800E+04	6.928E-02	1.248E-02	5.222E-03	2.068E-05	9.179E-05	7.173E-02	6.539E-02	1.185E-00	2.778E-05
2.900E+04	6.966E-02	7.471E-02	4.620E-03	1.078E-05	7.113E-05	8.065E-02	1.647E-02	4.119E-00	1.262E-05
3.000E+04	5.332E-02	7.949E-02	7.223E-03	5.801E-05	6.212E-05	7.135E-02	6.134E-02	4.853E-00	1.634E-05
3.100E+04	5.063E-02	2.311E-02	2.635E-03	1.161E-05	7.172E-05	8.041E-02	5.616E-02	3.614E-00	1.242E-05
3.200E+04	5.399E-02	7.080E-02	1.721E-03	1.773E-05	3.101E-05	7.928E-02	2.034E-02	2.723E-00	2.667E-05
3.300E+04	6.161E-02	2.210E-02	6.432E-03	3.047E-05	2.377E-05	7.707E-02	1.577E-02	1.577E-00	1.744E-05
3.400E+04	5.141E-02	7.116E-02	1.673E-03	5.112E-05	2.377E-05	7.377E-02	6.724E-02	1.874E-00	1.649E-05
3.500E+04	5.267E-02	2.339E-02	7.762E-03	2.766E-05	7.469E-05	7.331E-02	6.777E-02	1.764E-00	1.674E-05
3.600E+04	5.797E-02	7.056E-02	7.775E-03	1.512E-05	1.029E-05	7.467E-02	1.367E-02	6.637E-00	1.682E-05
3.700E+04	5.362E-02	2.699E-02	1.395E-03	6.240E-05	5.095E-05	7.399E-02	1.634E-02	4.853E-00	1.634E-05
3.800E+04	5.302E-02	6.697E-02	6.319E-03	6.439E-05	1.436E-05	7.377E-02	1.275E-02	4.279E-00	1.673E-05
3.900E+04	5.616E-02	3.622E-02	2.635E-03	2.669E-05	6.152E-05	7.212E-02	6.465E-02	4.749E-00	1.640E-05
4.000E+04	5.666E-02	1.264E-02	1.178E-03	1.937E-05	1.105E-05	7.074E-02	5.864E-02	4.707E-00	1.597E-05
4.100E+04	5.008E-02	4.813E-02	5.756E-03	2.661E-05	1.017E-05	7.044E-02	2.644E-02	2.468E-00	1.375E-05
4.200E+04	4.588E-02	1.874E-02	7.649E-03	6.170E-05	6.107E-05	7.027E-02	2.027E-02	1.870E-00	1.316E-05
4.300E+04	5.337E-02	7.531E-02	1.176E-02	2.671E-05	6.017E-05	7.011E-02	1.606E-02	1.316E-00	1.316E-05
4.400E+04	5.726E-02	7.046E-02	6.655E-03	1.620E-05	7.007E-05	7.001E-02	1.644E-02	2.031E-00	1.316E-05
4.500E+04	5.561E-02	1.332E-02	2.290E-03	6.359E-05	6.011E-05	7.001E-02	1.068E-02	1.773E-00	1.315E-05
4.600E+04	5.559E-02	5.596E-02	1.375E-02	6.355E-05	6.011E-05	7.001E-02	1.068E-02	1.773E-00	1.315E-05
4.700E+04	5.577E-02	2.652E-02	6.957E-02	2.093E-05	6.011E-05	7.001E-02	1.068E-02	1.773E-00	1.315E-05
4.800E+04	5.598E-02	1.793E-02	3.562E-02	1.760E-05	6.011E-05	7.001E-02	1.068E-02	1.773E-00	1.315E-05
4.900E+04	5.622E-02	6.966E-02	1.860E-02	1.011E-05	6.011E-05	7.001E-02	1.068E-02	1.773E-00	1.315E-05
5.000E+04	5.646E-02	2.264E-02	6.986E-02	6.616E-05	6.011E-05	7.001E-02	1.068E-02	1.773E-00	1.315E-05

P/PD = 1.202E+01

TABLE II.- Continued

<i>n</i>	<i>N</i>	<i>N2</i>	<i>N2*</i>	<i>N3</i>	<i>N4</i>	<i>N5</i>	<i>N6</i>	<i>N7</i>	<i>N8</i>	<i>N9</i>	<i>N10</i>	<i>T</i>		
1.1781E-08	3.297E-03	1.614E-01	6.767E-09	1.446E-09	2.346E-11	0.	0.	0.	0.	0.	0.	4.900E+03		
1.609E-08	4.145E-03	1.578E-01	1.022E-09	2.647E-09	5.090E-11	0.	0.	0.	0.	0.	0.	5.000E+03		
4.841E-08	3.308E-03	1.516E-01	2.262E-09	0.320E-09	1.424E-10	0.	0.	0.	0.	0.	0.	5.200E+03		
4.7131E-08	9.567E-03	1.662E-01	4.686E-09	2.421E-09	3.666E-10	0.	0.	0.	0.	0.	0.	5.400E+03		
7.429E-08	1.387E-02	1.612E-01	9.361E-09	6.570E-09	8.776E-10	0.	0.	0.	0.	0.	0.	5.600E+03		
1.123E-07	1.961E-02	1.361E-01	1.777E-07	1.667E-07	1.956E-09	0.	0.	0.	0.	0.	0.	5.800E+03		
1.834E-07	2.701E-02	1.306E-01	3.229E-07	3.972E-07	4.155E-09	3.776E-25	0.	0.	0.	0.	0.	6.000E+03		
2.318E-07	3.830E-02	1.243E-01	5.002E-07	9.926E-07	8.309E-09	3.633E-24	0.	0.	0.	0.	0.	6.200E+03		
3.195E-07	4.762E-02	1.172E-01	9.299E-07	1.897E-06	1.579E-08	3.023E-23	0.	0.	0.	0.	0.	6.400E+03		
4.3051E-07	6.099E-02	1.091E-01	1.672E-06	3.825E-06	2.662E-08	2.200E-22	0.	0.	0.	0.	0.	6.600E+03		
5.648E-07	7.630E-02	9.998E-02	2.229E-06	7.334E-06	4.960E-08	1.612E-21	0.	0.	0.	0.	0.	6.800E+03		
7.365E-07	9.325E-02	7.401E-02	3.225E-06	1.344E-05	8.235E-08	8.061E-21	0.	0.	0.	0.	0.	7.000E+03		
9.331E-07	1.114E-01	7.446E-02	4.646E-06	2.302E-05	1.313E-07	4.120E-20	0.	0.	0.	0.	0.	7.200E+03		
1.180E-06	1.330E-01	6.866E-02	5.901E-06	3.015E-05	2.312E-07	1.909E-19	0.	0.	0.	0.	0.	7.400E+03		
1.463E-06	1.649E-01	5.604E-02	7.672E-06	8.200E-05	2.369E-07	8.035E-19	0.	0.	0.	0.	0.	7.600E+03		
1.792E-06	1.853E-01	4.799E-02	9.077E-06	9.493E-05	4.224E-07	3.098E-18	0.	0.	0.	0.	0.	7.800E+03		
2.172E-06	1.812E-01	3.887E-02	1.061E-05	1.464E-04	5.827E-07	1.102E-17	0.	0.	0.	0.	0.	8.000E+03		
2.610E-06	1.953E-01	3.091E-02	1.198E-05	2.001E-04	7.706E-07	3.637E-17	0.	0.	0.	0.	0.	8.200E+03		
3.1601E-06	2.046E-01	2.423E-02	1.312E-05	2.915E-04	1.012E-06	1.122E-16	0.	0.	0.	0.	0.	8.400E+03		
3.655E-06	2.161E-01	1.878E-02	1.401E-05	3.474E-04	3.204E-06	2.257E-14	0.	0.	0.	0.	0.	8.600E+03		
4.2751E-06	2.235E-01	1.465E-02	1.667E-05	5.312E-04	1.598E-06	8.941E-16	0.	0.	0.	0.	0.	8.800E+03		
5.963E-06	2.291E-01	1.108E-02	1.511E-05	6.959E-04	1.947E-06	2.334E-15	0.	0.	0.	0.	0.	9.000E+03		
9.520E-06	2.333E-01	8.488E-02	1.937E-05	8.959E-04	2.338E-06	5.810E-15	0.	0.	0.	0.	0.	9.200E+03		
1.554E-06	2.363E-01	6.513E-03	1.564E-05	1.137E-03	2.770E-06	1.391E-14	0.	0.	0.	0.	0.	9.400E+03		
2.165E-06	2.384E-01	5.013E-03	1.550E-05	1.425E-03	3.264E-06	3.201E-14	0.	0.	0.	0.	0.	9.600E+03		
3.619E-06	2.398E-01	3.879E-03	1.562E-05	1.769E-03	3.759E-06	7.108E-14	0.	0.	0.	0.	0.	9.800E+03		
9.460E-06	2.426E-01	3.110E-03	1.520E-05	2.144E-03	4.311E-06	1.920E-13	0.	0.	0.	0.	0.	1.000E+04		
1.558E-05	2.389E-01	4.239E-03	1.405E-05	5.286E-03	7.077E-06	4.591E-12	0.	0.	0.	0.	0.	1.100E+04		
2.205E-05	2.302E-01	3.159E-04	1.212E-05	1.046E-02	1.171E-05	7.030E-11	0.	0.	0.	0.	0.	1.200E+04		
3.301E-05	2.152E-01	1.203E-04	1.063E-05	1.987E-02	1.567E-05	8.678E-15	0.	0.	0.	0.	0.	1.300E+04		
5.558E-05	1.937E-01	6.687E-05	8.313E-06	3.234E-02	1.857E-05	6.827E-09	1.530E-22	0.	0.	0.	0.	0.	1.400E+04	
9.813E-05	1.866E-01	1.033E-05	6.148E-06	4.777E-02	1.956E-05	4.076E-08	1.003E-20	0.	0.	0.	0.	0.	1.500E+04	
3.656E-05	1.361E-01	6.409E-06	4.254E-06	6.467E-02	1.832E-05	1.942E-07	4.037E-19	0.	0.	0.	0.	0.	1.600E+04	
5.240E-05	1.356E-01	2.696E-06	4.696E-06	8.100E-02	1.534E-05	7.673E-17	1.092E-17	0.	0.	0.	0.	0.	1.700E+04	
2.538E-05	7.776E-02	8.687E-07	1.583E-06	9.491E-02	1.181E-05	2.599E-06	2.133E-14	0.	0.	0.	0.	0.	1.800E+04	
5.524E-05	2.959E-02	8.777E-07	1.054E-05	8.397E-02	2.126E-05	5.328E-06	2.058E-09	0.	0.	0.	0.	0.	2.000E+04	
1.315E-05	3.757E-02	1.061E-07	4.701E-07	1.126E-01	5.328E-05	3.703E-06	3.703E-14	0.	0.	0.	0.	0.	2.200E+04	
6.667E-06	2.464E-02	3.367E-08	2.492E-07	1.172E-01	3.939E-06	5.142E-05	3.658E-13	0.	0.	0.	0.	0.	2.400E+04	
9.010E-06	1.832E-02	1.185E-08	1.331E-07	1.209E-01	2.131E-06	1.179E-06	2.990E-12	0.	0.	0.	0.	0.	2.600E+04	
3.684E-06	1.287E-02	4.337E-08	7.257E-08	1.213E-01	1.3621E-06	2.538E-06	2.091E-11	0.	0.	0.	0.	0.	2.800E+04	
2.321E-06	9.206E-03	1.670E-08	4.057E-08	4.057E-01	2.223E-06	5.564E-07	5.161E-06	1.270E-10	0.	0.	0.	0.	0.	3.000E+04
1.513E-06	6.707E-03	7.671E-10	2.328E-08	1.229E-01	5.560E-07	9.943E-06	6.780E-10	0.	0.	0.	0.	0.	3.200E+04	
1.803E-06	9.981E-03	2.088E-10	1.368E-08	1.220E-01	3.653E-07	1.832E-03	3.223E-09	0.	0.	0.	0.	0.	3.400E+04	
6.763E-07	3.757E-03	1.267E-10	8.193E-09	1.208E-01	2.456E-07	3.218E-03	1.372E-08	0.	0.	0.	0.	0.	3.700E+04	
6.662E-07	2.666E-03	5.777E-11	4.970E-09	1.189E-01	1.668E-07	5.601E-03	5.270E-08	0.	0.	0.	0.	0.	3.800E+04	
3.302E-07	2.204E-03	2.697E-11	3.026E-09	1.150E-01	1.146E-07	8.657E-03	1.893E-07	0.	0.	0.	0.	0.	3.900E+04	
2.381E-07	1.706E-03	1.274E-11	1.833E-09	1.100E-01	7.953E-08	1.322E-04	5.815E-07	0.	0.	0.	0.	0.	3.000E+04	
1.755E-07	1.314E-03	6.025E-12	1.059E-09	1.032E-01	5.922E-08	1.494E-02	1.601E-06	0.	0.	0.	0.	0.	3.100E+04	
1.320E-07	1.135E-03	2.026E-12	6.424E-10	9.459E-02	3.427E-08	6.464E-02	6.464E-06	0.	0.	0.	0.	0.	3.200E+04	
1.014E-07	1.602E-04	1.363E-12	3.653E-10	6.492E-02	2.633E-08	3.479E-02	1.080E-05	0.	0.	0.	0.	0.	3.300E+04	
7.944E-07	3.673E-04	5.088E-13	2.011E-10	7.424E-02	1.746E-08	4.522E-02	3.218E-05	0.	0.	0.	0.	0.	3.400E+04	
6.336E-07	2.602E-04	1.072E-10	6.365E-09	1.209E-08	5.940E-09	5.040E-05	1.425E-11	0.	0.	0.	0.	0.	3.500E+04	
5.139E-06	3.035E-06	1.127E-13	9.598E-11	5.313E-06	8.072E-09	6.400E-02	9.846E-05	9.946E-11	0.	0.	0.	0.	0.	3.600E+04
2.623E-06	2.189E-06	6.613E-14	2.020E-11	6.371E-02	5.363E-09	7.233E-02	1.814E-06	2.238E-10	0.	0.	0.	0.	0.	3.700E+04
3.537E-06	1.560E-06	2.037E-14	1.610E-11	3.552E-02	5.921E-09	7.946E-02	2.179E-06	7.727E-10	0.	0.	0.	0.	0.	3.800E+04
2.949E-06	1.110E-06	8.566E-15	6.898E-12	2.661E-02	3.314E-09	8.576E-02	5.133E-06	2.672E-08	0.	0.	0.	0.	0.	3.900E+04
2.226E-06	5.615E-05	1.567E-15	1.715E-12	1.522E-02	1.522E-05	9.004E-02	8.619E-04	7.783E-09	0.	0.	0.	0.	0.	4.000E+04
1.749E-06	6.037E-05	6.698E-16	8.595E-13	1.462E-02	1.206E-05	9.359E-02	1.366E-03	2.074E-08	0.	0.	0.	0.	0.	4.100E+04
1.723E-06	2.673E-05	2.474E-16	6.303E-13	1.160E-02	6.438E-02	9.760E-02	1.601E-03	1.389E-07	0.	0.	0.	0.	0.	4.200E+04
1.524E-06	2.046E-05	1.293E-16	2.018E-13	9.332E-03	2.976E-01	9.820E-02	4.367E-03	3.337E-07	0.	0.	0.	0.	0.	4.300E+04
1.379E-06	1.648E-05	5.705E-17	1.115E-13	7.666E-03	2.304E-10	9.789E-02	6.113E-03	7.665E-07	0.	0.	0.	0.	0.	4.400E+04
1.247E-06	1.070E-05	2.616E-17	5.710E-16	5.971E-03	1.361E-10	9.665E-02	4.404E-03	1.688E-06	0.	0.	0.	0.	0.	4.500E+04
1.134E-06	7.617E-06	1.193E-17	2.959E-16	4.733E-03	9.260E-11	9.450E-02	1.128E-02	3.567E-06	0.	0.	0.	0.	0.	4.600E+04
1.037E-06	5.617E-06	9.661E-17	1.530E-16	3.608E-03	6.320E-11	9.143E-02	1.481E-02	7.144E-06	0.	0.	0.	0.	0.	4.700E+04
9.532E-06	6.110E-06	2.515E-18	7.902E-15	3.030E-03	6.327E-11	8.763E-02	1.899E-02	1.390E-05	0.	0.	0.	0.	0.	4.800E+04
8.767E-06	2.697E-06	1.157E-18	4.017E-15	2.400E-03	2.959E-11	8.249E-02	2.374E-02	2.593E-05	0.	0.	0.	0.	0.	4.900E+04

P/PQ = 1.230E+01

n	*N*	*N2*	*N2**	*N3*	*N4*	*N5*	*N6*	*N7*	*N8*	*N9*	*N10*	*T*

<tbl_r cells="13" ix="4" max

TABLE II.- Continued

T	F	NH ₃	H ₂	NH	NH ₂	H	H ₂	H ₂ O	H ₂
1.300E+03	0.	3.610E-04	1.198E-09	2.637E-13	6.401E-15	2.764E-07	7.497E-01	5.411E-19	2.896E-19
1.400E+03	0.	2.464E-04	3.467E-09	2.326E-12	2.510E-14	1.215E-04	7.499E-01	4.043E-19	3.449E-19
1.500E+03	0.	1.771E-04	8.793E-09	1.543E-11	0.232E-14	4.397E-06	7.499E-01	4.327E-19	3.992E-19
1.600E+03	1.332E-29	1.329E-04	1.975E-08	8.064E-11	2.334E-13	1.350E-05	7.499E-01	3.072E-19	6.450E-19
1.700E+03	1.268E-26	1.033E-04	6.032E-08	3.649E-10	5.070E-13	3.679E-05	7.499E-01	3.475E-19	4.065E-19
1.800E+03	5.734E-24	2.080E-05	7.403E-08	1.269E-09	1.333E-12	8.939E-05	7.499E-01	3.132E-19	5.210E-19
1.900E+03	1.377E-21	6.784E-05	1.341E-07	4.050E-09	2.795E-12	1.981E-04	7.499E-01	2.042E-19	5.531E-19
2.000E+03	1.638E-19	5.686E-05	2.235E-07	1.151E-08	5.442E-12	4.059E-04	7.499E-01	3.082E-19	6.890E-19
2.100E+03	3.461E-18	4.851E-05	3.547E-07	2.962E-08	9.962E-12	7.774E-04	7.493E-01	1.195E-18	3.035E-18
2.200E+03	2.924E-17	4.202E-05	5.396E-07	9.952E-08	1.720E-11	1.605E-03	7.487E-01	7.723E-18	2.201E-17
2.300E+03	1.922E-16	3.667E-05	7.910E-07	1.532E-07	2.001E-11	2.612E-03	7.479E-01	4.505E-17	1.451E-16
2.400E+03	1.073E-15	3.270E-05	1.122E-06	3.141E-07	4.564E-11	3.960E-03	7.465E-01	2.372E-16	8.247E-16
2.500E+03	5.226E-15	2.926E-05	1.547E-06	6.080E-07	6.953E-11	6.250E-03	7.449E-01	1.079E-15	4.109E-15
2.600E+03	2.258E-14	2.637E-05	2.076E-06	1.117E-06	1.029E-10	9.523E-03	7.431E-01	4.371E-15	1.809E-14
2.700E+03	8.773E-14	2.390E-05	2.721E-06	1.961E-06	1.477E-10	1.504E-02	7.377E-01	1.598E-14	7.142E-14
2.800E+03	3.098E-13	2.174E-05	3.468E-06	3.301E-06	2.062E-10	2.017E-02	7.323E-01	5.327E-14	2.559E-13
2.900E+03	1.004E-12	1.983E-05	4.380E-06	5.350E-06	2.805E-10	2.817E-02	7.253E-01	1.633E-13	8.405E-13
3.000E+03	3.010E-12	1.810E-05	5.395E-06	8.377E-06	3.722E-10	3.849E-02	7.183E-01	4.645E-13	2.552E-12
3.100E+03	8.415E-12	1.651E-05	6.523E-06	1.271E-05	4.825E-10	9.160E-02	7.050E-01	1.233E-12	7.216E-12
3.200E+03	2.206E-11	1.503E-05	7.747E-06	1.872E-05	6.117E-10	6.727E-02	6.911E-01	3.071E-12	1.911E-11
3.300E+03	5.455E-11	1.363E-05	9.043E-06	2.668E-05	7.597E-10	6.639E-02	6.744E-01	7.221E-12	4.773E-11
3.400E+03	1.270E-10	1.230E-05	1.038E-05	3.747E-05	9.213E-10	1.090E-01	6.546E-01	1.809E-11	1.124E-10
3.500E+03	2.851E-10	1.103E-05	1.171E-05	5.109E-05	1.096E-09	1.352E-01	6.317E-01	3.409E-11	2.546E-10
3.600E+03	6.075E-10	9.815E-06	1.299E-05	6.810E-05	1.277E-09	1.650E-01	6.056E-01	6.895E-11	5.450E-10
3.700E+03	1.241E-09	8.545E-06	1.417E-05	8.818E-05	1.457E-09	1.983E-01	5.764E-01	1.335E-10	1.124E-09
3.800E+03	2.437E-09	7.553E-06	1.521E-05	1.135E-04	1.631E-09	2.349E-01	5.444E-01	2.479E-10	2.224E-09
3.900E+03	6.616E-09	5.919E-06	1.606E-05	4.422E-04	1.765E-09	2.743E-01	5.099E-01	4.427E-10	4.242E-09
4.000E+03	8.484E-09	5.560E-06	1.668E-05	1.748E-04	1.925E-09	3.159E-01	4.734E-01	7.620E-10	7.917E-09
4.100E+03	1.498E-08	4.683E-06	1.704E-05	2.112E-04	2.033E-09	3.591E-01	4.355E-01	1.246E-09	1.395E-08
4.200E+03	2.577E-08	3.895E-06	1.714E-05	2.509E-04	2.109E-09	4.032E-01	3.996E-01	2.036E-09	2.141E-08
4.300E+03	4.314E-08	3.198E-06	1.699E-05	2.933E-04	2.150E-09	4.471E-01	3.584E-01	3.172E-09	4.063E-08
4.400E+03	7.334E-08	2.593E-06	1.660E-05	3.380E-04	2.157E-09	4.902E-01	3.206E-01	4.796E-09	6.659E-08
4.500E+03	1.119E-07	2.078E-06	1.600E-05	3.842E-04	2.131E-09	5.315E-01	2.843E-01	7.052E-09	1.065E-07
4.600E+03	1.741E-07	1.646E-06	1.523E-05	4.313E-04	2.079E-09	5.705E-01	2.500E-01	1.010E-08	1.663E-07
4.700E+03	2.651E-07	1.294E-06	1.434E-05	4.788E-04	2.003E-09	6.047E-01	2.162E-01	1.412E-08	2.541E-07
4.800E+03	3.958E-07	1.008E-06	5.200E-06	4.911E-04	1.811E-09	6.349E-01	1.692E-01	1.930E-08	3.805E-07
4.900E+03	5.802E-07	7.804E-07	1.236E-05	5.727E-04	1.807E-09	6.690E-01	1.632E-01	2.383E-08	5.591E-07
5.000E+03	8.359E-07	6.013E-07	1.135E-05	6.185E-04	1.896E-09	6.950E-01	1.401E-01	3.394E-08	6.071E-07
5.200E+03	1.656E-06	3.541E-07	9.426E-06	7.066E-04	1.470E-09	7.372E-01	1.024E-01	5.570E-08	1.603E-06
5.400E+03	3.107E-06	2.082E-07	7.718E-06	7.895E-04	1.254E-09	7.678E-01	7.446E-02	8.642E-08	3.008E-06
5.600E+03	5.359E-06	1.232E-07	6.273E-06	8.633E-04	1.040E-09	7.892E-01	5.642E-02	1.280E-07	5.703E-06
5.800E+03	9.545E-06	7.378E-06	5.082E-06	9.356E-04	8.904E-10	6.034E-01	3.976E-02	1.826E-07	9.180E-06
6.000E+03	1.581E-05	4.480E-06	4.115E-06	9.900E-04	7.436E-10	6.123E-01	2.946E-02	2.523E-07	1.510E-05
6.200E+03	2.535E-05	2.761E-06	3.331E-06	1.053E-03	6.175E-10	6.171E-01	2.197E-02	3.391E-07	2.400E-05
6.400E+03	3.952E-05	1.725E-06	2.696E-06	1.096E-03	5.920E-10	6.187E-01	1.656E-02	4.454E-07	3.697E-05
6.600E+03	6.007E-05	1.091E-06	2.181E-06	1.128E-03	4.163E-10	6.177E-01	1.267E-02	5.717E-07	5.538E-05
6.800E+03	6.922E-05	6.974E-09	1.760E-06	1.166E-03	3.367E-10	6.148E-01	9.776E-03	7.204E-07	6.084E-05
7.000E+03	1.298E-04	4.497E-09	1.417E-06	1.149E-03	2.649E-10	6.103E-01	7.621E-03	8.925E-07	1.153E-04
7.200E+03	1.652E-04	2.921E-09	1.137E-06	1.130E-03	2.116E-10	6.046E-01	6.000E-03	1.099E-06	1.609E-04
7.400E+03	2.597E-04	1.909E-09	9.070E-07	1.112E-03	1.640E-10	7.941E-01	6.721E-03	1.311E-06	2.204E-04
7.600E+03	3.581E-04	1.254E-09	7.218E-07	1.072E-03	1.250E-10	7.913E-01	9.831E-03	1.561E-06	2.967E-04
7.800E+03	4.864E-04	8.246E-09	5.715E-07	1.021E-03	0.372E-11	7.844E-01	3.107E-03	1.041E-06	3.934E-04
8.000E+03	6.513E-04	5.506E-09	4.510E-07	9.612E-04	6.924E-11	7.778E-01	2.545E-03	2.159E-06	5.146E-04
8.200E+03	8.602E-04	3.683E-09	3.550E-07	8.954E-04	5.051E-11	7.710E-01	2.106E-03	2.508E-06	6.651E-04
8.400E+03	1.122E-03	2.602E-11	2.793E-07	8.271E-04	3.664E-11	7.665E-01	1.759E-03	2.899E-06	8.505E-04
8.600E+03	1.445E-03	1.687E-11	2.198E-07	7.569E-04	2.617E-11	7.620E-01	1.484E-03	3.338E-06	1.077E-03
8.800E+03	1.841E-03	1.150E-11	1.733E-07	6.929E-04	1.871E-11	7.581E-01	1.262E-03	2.827E-06	1.351E-03
9.000E+03	2.321E-03	8.027E-11	1.371E-07	6.307E-04	1.337E-11	7.548E-01	1.082E-03	2.371E-06	1.681E-03
9.200E+03	2.897E-03	5.623E-11	1.089E-07	5.731E-04	9.575E-12	7.519E-01	9.346E-04	4.971E-06	2.075E-03
9.400E+03	3.583E-03	3.908E-11	8.687E-08	5.204E-04	6.883E-12	7.494E-01	6.127E-04	5.631E-06	2.841E-03
9.600E+03	4.393E-03	2.847E-11	6.967E-08	4.727E-04	4.974E-12	7.471E-01	7.107E-04	6.352E-06	3.089E-03
9.800E+03	5.343E-03	2.057E-11	5.616E-08	4.297E-04	3.617E-12	7.448E-01	6.248E-04	7.136E-06	3.720E-03
1.000E+04	6.445E-03	1.500E-11	4.551E-08	3.911E-04	2.648E-12	7.426E-01	5.515E-04	7.984E-06	4.446E-03
1.100E+04	1.492E-02	3.517E-12	1.709E-08	2.496E-04	6.147E-13	7.291E-01	3.133E-04	1.311E-05	1.009E-02
1.200E+04	3.006E-02	9.647E-13	7.018E-09	1.633E-04	1.632E-13	7.075E-01	1.889E-04	1.974E-05	1.999E-02
1.300E+04	5.386E-02	2.085E-13	3.014E-09	1.028E-04	4.646E-14	6.739E-01	1.170E-04	2.707E-05	3.554E-02
1.400E+04	8.762E-02	8.032E-14	1.257E-09	7.017E-05	1.350E-14	6.261E-01	7.243E-05	3.402E-05	5.796E-02
1.500E+04	1.318E-01	2.623E-14	5.308E-10	4.367E-05	3.749E-15	5.637E-01	4.377E-05	3.919E-05	6.731E-02
1.600E+04	1.836E-01	7.233E-15	2.093E-10	2.950E-05	4.562E-16	4.894E-01	2.533E-05	4.131E-05	1.220E-01
1.700E+04	2.392E-01	1.979E-15	7.453E-11	1.390E-05	2.177E-16	4.082E-01	1.305E-05	3.982E-05	1.673E-01
1.800E+04	2.938E-01	3.970E-16	2.414E-11	7.085E-06	3.433E-17	3.270E-01	7.105E-06	3.516E-05	2.025E-01
1.900E+04	3.427E-01	7.084E-17	3.364E-16	7.913E-10	2.526E-01	3.430E-06	2.866E-05	2.402E-01	2.025E-01
2.000E+04	3.033E-01	1.435E-17	1.999E-12	1.522E-09	1.323E-18	1.896E-01	1.577E-06	2.103E-05	2.720E-01
2.100E+04	4.140E-01	2.508E-18	5.391E-13	6.714E-07	2.130E-19	1.398E-01	7.028E-07	1.582E-05	2.990E-01
2.200E+04	4.381E-01	4.367E-19	1.450E-13	2.950E-07	3.479E-20	1.029E-01</			

TABLE II.- Continued

N-	N	N2	N2+	N0	N-	N0+	N00	N000	T
0.	2.413E-17	2.499E-01	2.123E-20	2.614E-32	0.	0.	0.	0.	1.300E+03
0.	5.679E-16	2.499E-01	2.063E-20	3.040E-31	0.	0.	0.	0.	1.400E+03
0.	8.777E-15	2.500E-01	1.975E-20	2.517E-30	0.	0.	0.	0.	1.500E+03
0.	9.656E-14	2.500E-01	1.876E-20	1.577E-29	0.	0.	0.	0.	1.600E+03
0.	8.023E-13	2.500E-01	1.768E-20	7.879E-29	0.	0.	0.	0.	1.700E+03
4.177E-27	5.275E-12	2.500E-01	1.664E-20	3.265E-28	0.	0.	0.	0.	1.800E+03
1.517E-26	2.406E-11	2.500E-01	1.568E-20	1.159E-27	0.	0.	0.	0.	1.900E+03
2.579E-22	1.330E-10	2.499E-01	1.757E-20	4.290E-27	0.	0.	0.	0.	2.000E+03
7.457E-21	5.139E-10	2.499E-01	7.015E-20	5.050E-26	1.470E-28	0.	0.	0.	2.100E+03
8.441E-20	1.794E-09	2.498E-01	4.654E-19	8.956E-25	4.067E-27	0.	0.	0.	2.200E+03
7.207E-19	5.621E-09	2.497E-01	2.818E-18	1.338E-23	7.770E-26	0.	0.	0.	2.300E+03
5.076E-18	1.602E-08	2.495E-01	1.492E-17	1.609E-22	1.149E-24	0.	0.	0.	2.400E+03
3.050E-17	4.199E-08	2.492E-01	6.931E-17	1.593E-21	1.347E-23	0.	0.	0.	2.500E+03
1.593E-16	1.022E-07	2.488E-01	2.808E-16	1.325E-20	1.342E-22	0.	0.	0.	2.600E+03
7.349E-16	2.531E-07	2.482E-01	1.046E-15	9.436E-20	1.110E-21	0.	0.	0.	2.700E+03
3.031E-15	5.000E-07	2.475E-01	3.614E-15	5.850E-15	7.883E-21	0.	0.	0.	2.800E+03
1.131E-14	1.321E-16	2.465E-01	1.130E-14	3.203E-18	4.880E-20	0.	0.	0.	2.900E+03
3.849E-14	1.948E-16	2.452E-01	3.275E-16	1.569E-17	2.660E-19	0.	0.	0.	3.000E+03
1.206E-13	3.669E-16	2.436E-01	8.919E-16	6.945E-17	1.304E-18	0.	0.	0.	3.100E+03
3.446E-13	6.599E-16	2.416E-01	2.274E-13	2.808E-16	9.755E-18	0.	0.	0.	3.200E+03
9.487E-13	1.138E-15	2.392E-01	5.404E-13	1.044E-15	2.313E-17	0.	0.	0.	3.300E+03
2.409E-12	1.899E-05	2.363E-01	1.257E-12	3.559E-15	8.533E-17	0.	0.	0.	3.400E+03
5.766E-12	3.755E-10	2.331E-01	2.769E-12	1.150E-14	2.912E-16	0.	0.	0.	3.500E+03
1.304E-11	4.860E-05	2.293E-01	5.760E-12	3.499E-14	9.237E-16	0.	0.	0.	3.600E+03
2.802E-11	7.425E-15	2.251E-01	1.161E-11	9.579E-14	2.741E-15	0.	0.	0.	3.700E+03
5.733E-11	1.121E-06	2.205E-01	2.256E-11	2.698E-13	7.642E-15	0.	0.	0.	3.800E+03
1.121E-10	1.629E-06	2.159E-01	4.252E-11	6.949E-13	2.012E-14	0.	0.	0.	3.900E+03
2.098E-10	2.339E-10	2.130E-01	7.738E-11	1.711E-12	5.020E-14	0.	0.	0.	4.000E+03
3.771E-10	3.295E-04	2.042E-01	1.373E-10	4.042E-12	1.192E-13	0.	0.	0.	4.100E+03
6.522E-10	4.562E-10	1.992E-01	2.376E-10	9.192E-12	2.701E-13	0.	0.	0.	4.200E+03
1.048E-09	6.215L-04	1.936E-01	4.013E-10	2.014E-11	5.864E-13	0.	0.	0.	4.300E+03
1.756E-09	8.364E-10	1.880E-01	6.641E-10	4.289E-11	1.223E-12	0.	0.	0.	4.400E+03
2.739E-09	1.105E-03	1.827E-01	1.978E-09	6.847E-11	2.454E-12	0.	0.	0.	4.500E+03
4.151E-09	1.446E-03	1.776E-01	1.720E-09	1.775E-10	4.775E-12	0.	0.	0.	4.600E+03
6.119E-09	1.871E-03	1.728E-01	2.700E-09	3.469E-10	8.979E-12	0.	0.	0.	4.700E+03
8.792E-09	2.395E-03	1.684E-01	4.171E-09	6.616E-10	1.645E-11	0.	0.	0.	4.800E+03
1.234E-08	3.130E-03	1.642E-01	6.371E-09	1.233E-09	2.925E-11	0.	0.	0.	4.900E+03
1.645E-08	3.814E-03	1.604E-01	9.591E-09	2.250E-09	5.070E-11	0.	0.	0.	5.000E+03
2.022E-08	5.873E-03	1.553E-01	2.045E-08	7.0467E-09	1.421E-10	0.	0.	0.	5.200E+03
5.051E-08	6.772E-03	1.431E-01	4.363E-08	2.046E-08	3.665E-10	0.	0.	0.	5.400E+03
6.008E-08	1.271E-02	1.430E-01	8.678E-08	5.537E-08	8.746E-10	0.	0.	0.	5.600E+03
1.216E-07	1.831E-02	1.378E-01	1.656E-07	1.403E-07	1.972E-09	0.	0.	0.	5.800E+03
1.779E-07	2.484E-02	1.324E-01	2.998E-07	3.344E-07	4.172E-09	2.909E-25	0.	0.	6.700E+03
2.524E-07	3.342E-02	1.264E-01	5.214E-07	7.520E-07	6.358E-09	2.801E-24	0.	0.	6.200E+03
3.486E-07	6.326E-02	1.1975E-01	8.676E-07	1.601E-06	1.592E-08	2.335E-23	0.	0.	6.400E+03
4.703E-07	9.660E-02	1.1195E-01	1.382E-06	3.236E-06	2.094E-08	1.703E-22	0.	0.	6.600E+03
6.215E-07	7.083E-02	1.033E-01	2.107E-06	6.227E-06	5.032E-08	1.096E-21	0.	0.	6.800E+03
8.063E-07	8.377E-02	3.076E-06	1.143E-05	8.389E-08	6.285E-21	0.	0.	0.	7.000E+03
1.029E-06	1.033E-01	6.360E-02	6.294E-06	2.006E-05	1.344E-07	3.234E-20	0.	0.	7.200E+03
1.293E-06	1.224E-01	7.326E-01	5.744E-06	3.373E-05	2.070E-07	1.505E-19	0.	0.	7.400E+03
1.604E-06	1.430E-01	6.253E-02	7.305E-05	5.444E-05	3.375E-07	6.373E-19	0.	0.	7.600E+03
1.966E-06	1.548E-01	5.239E-02	9.366E-06	8.458E-05	4.410E-07	2.673E-18	0.	0.	7.800E+03
2.303E-06	1.743E-01	4.301E-02	1.074E-05	1.268E-04	6.117E-07	8.890E-18	0.	0.	8.000E+03
2.860E-06	1.888E-01	3.466E-02	1.228E-05	1.840E-04	8.230E-07	2.940E-17	0.	0.	8.200E+03
3.430E-06	2.011E-01	2.750E-02	1.361E-05	2.592E-06	1.077E-06	9.123E-17	0.	0.	8.400E+03
4.008E-06	2.114E-01	2.155E-02	1.470E-05	3.556E-04	1.374E-06	2.661E-16	0.	0.	8.600E+03
4.688E-06	2.195E-01	1.674E-02	1.552E-05	4.769E-04	1.715E-06	7.335E-16	0.	0.	8.800E+03
5.443E-06	2.2595E-01	1.293E-02	1.611E-05	6.268E-04	2.101E-06	1.921E-15	0.	0.	9.000E+03
6.213E-06	2.308E-01	9.472E-03	1.654E-05	8.096E-04	2.533E-06	4.803E-15	0.	0.	9.200E+03
7.102E-06	2.344E-01	7.690E-03	1.670E-05	1.030E-03	3.009E-06	1.151E-14	0.	0.	9.400E+03
8.170E-06	2.373E-01	5.944E-03	1.678E-05	1.293E-03	3.532E-06	2.652E-14	0.	0.	9.600E+03
9.237E-06	2.334E-01	4.610E-03	1.675E-05	1.604E-03	4.101E-06	5.898E-14	0.	0.	9.800E+03
1.038E-05	2.399E-01	3.591E-03	1.666E-03	1.969E-03	4.715E-03	1.269E-13	0.	0.	1.000E+04
1.710E-05	2.346E-01	1.113E-03	1.553E-05	4.829E-03	6.437E-03	3.824E-12	0.	0.	1.100E+04
2.524E-05	1.404E-01	6.253E-02	1.023E-05	6.211E-05	1.294E-05	6.536E-11	0.	0.	1.200E+04
3.339E-05	2.179E-01	1.478E-04	1.016E-05	1.827E-02	1.748E-05	7.246E-10	9.646E-25	0.	1.300E+04
4.102E-05	1.900E-01	5.876E-05	9.426E-05	2.989E-02	2.099E-05	5.707E-09	1.157E-22	0.	1.400E+04
4.355E-05	1.725E-01	2.358E-05	7.159E-06	4.449E-02	2.251E-05	3.614E-08	7.956E-21	0.	1.500E+04
4.303E-05	1.433E-01	9.287E-06	5.056E-05	6.080E-02	1.616E-05	1.630E-07	3.027E-19	0.	1.600E+04
3.870E-05	1.132E-01	3.524E-06	3.301E-06	7.700E-02	1.466E-05	6.466E-07	8.194E-18	0.	1.700E+04
3.170E-05	8.526E-02	1.282E-06	2.004E-06	9.129E-02	1.452E-05	2.192E-08	1.579E-16	0.	1.800E+04
2.440E-05	6.101E-02	4.536E-07	1.146E-05	1.023E-02	1.294E-05	6.536E-11	0.	0.	1.900E+04
1.708E-05	3.055E-03	5.420E-08	3.411E-07	1.105E-01	7.050E-06	1.760E-05	2.73AE-14	0.	2.000E+04
1.157E-05	3.439E-03	2.267E-08	1.517E-07	4.565E-01	4.338E-06	2.616E-05	2.071E-13	0.	2.100E+04
7.619E-06	2.140E-02	1.940E-08	1.651E-07	1.190E-01	2.931E-06	9.932E-05	2.130E-12	0.	2.200E+04
4.959E-06	1.515E-02	7.212E-09	1.020E-07	1.209E-01	1.870E-06	2.134E-04	1.498E-11	0.	2.300E+04
3.230E-06	1.090E-02	2.848E-09	5.746E-08	1.220E-01	1.202E-06	4.334E-04	8.985E-11	0.	2.400E+04
2.123E-06	7.977E-03	1.147E-09	3.317E-08	1.224E-01	7.840E-07	8.362E-04	4.787E-10	0.	2.500E+04
1.416E-06	5.944E-03	4.901E-10	1.960E-08	1.221E-01	5.197E-07	1.530E-03	2.270E-09	0.	2.600E+04
9.610E-07	4.500E-03	2.181E-10	1.162E-08	1.212E-01	3.503E-07	2.705E-03	9.655E-09	0.	2.700E+04
6.652E-07	3.452E-03	1.003E-11	7.226E-08	1.194E-01	2.396E-07	4.554E-03	3.721E-08	0.	2.800E+04
4.701E-07	2.671E-03	4.733E-11	6.455E-09	1.164E-01	1.659E-07	7.342E-03	1.302E-07	0.	2.900E+04
3.393E-07	2.077E-03	2.267E-11	2.730E-09	1.121E-01	1.070E-06	2.134E-04	1.498E-11	0.	3.000E+04
2.502E-07	1.613E-03	1.092E-11	1.866E-09	1.062E-01	6.109E-08	1.670E-02	1.213E-06	0.	3.100E+04
1.804E-07	1.249E-03	5.235E-12	9.970E-10	9.862E-02	9.677E-08	2.352E-02	3.247E-06	0.	3.200E+04
1.448E-07	9.209E-04	2.479E-12	5.822E-10	8.959E-02	3.955E-08	3.163E-02	7.998E-06	0.	3.300E+04
1.133									

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	5.217E-01	8.997E-27	2.086E-19	5.180E-11	2.746E-20	6.128E-03	7.875E-11	1.797E-07	3.526E-01
3.600E+04	5.260E-01	3.072E-27	6.915E-20	2.066E-11	7.061E-29	5.390E-03	5.024E-11	1.416E-07	3.495E-01
3.700E+04	5.315E-01	1.071E-27	3.652E-20	1.503E-11	2.257E-29	4.791E-03	3.260E-11	1.127E-07	3.446E-01
3.800E+04	5.357E-01	3.820E-28	1.605E-20	8.753E-12	6.525E-30	4.282E-03	2.164E-11	9.057E-08	3.439E-01
3.900E+04	5.393E-01	1.394E-28	7.476E-21	4.662E-12	1.909E-30	3.851E-03	1.450E-11	7.351E-08	3.416E-01
4.000E+04	5.424E-01	5.213E-29	3.370E-21	2.714E-12	9.674E-31	3.468E-03	9.981E-12	6.020E-08	3.397E-01
4.100E+04	5.451E-01	1.999E-29	1.546E-21	1.533E-12	1.721E-31	3.186E-03	6.935E-12	4.972E-08	3.380E-01
4.200E+04	5.473E-01	7.845E-30	7.224E-22	8.733E-13	0.	2.892E-03	4.886E-12	4.138E-08	3.364E-01
4.300E+04	5.494E-01	3.173E-30	3.438E-22	5.028E-13	0.	2.652E-03	3.480E-12	3.449E-08	3.354E-01
4.400E+04	5.511E-01	1.312E-30	1.664E-22	2.927E-13	0.	2.442E-03	2.521E-12	2.927E-08	3.342E-01
4.500E+04	5.528E-01	5.554E-31	8.214E-23	1.722E-13	0.	2.256E-03	1.849E-12	2.485E-08	3.331E-01
4.600E+04	5.546E-01	2.402E-31	6.116E-23	1.023E-13	0.	2.090E-03	1.361E-12	2.120E-08	3.320E-01
4.700E+04	5.564E-01	1.040E-31	2.093E-23	6.130E-14	0.	1.942E-03	1.014E-12	1.810E-08	3.300E-01
4.800E+04	5.583E-01	4.765E-32	1.078E-23	3.701E-14	0.	1.809E-03	7.654E-13	1.546E-08	3.295E-01
4.900E+04	5.604E-01	2.171E-32	5.612E-24	2.267E-14	0.	1.690E-03	5.817E-13	1.354E-08	3.280E-01
5.000E+04	5.627E-01	1.004E-32	2.949E-26	1.371E-14	0.	1.581E-03	4.450E-13	1.175E-08	3.264E-01

P/PO = 1.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	4.419E-01	1.579E-20	9.010E-35	1.211E-20	1.213E-21	4.105E-01	1.221E-10	1.604E-21
6.000E+02	0.	1.327E-01	2.321E-17	7.812E-29	1.227E-24	1.002E-17	6.505E-01	9.516E-19	4.751E-21
7.000E+02	0.	3.514E-02	3.028E-15	1.104E-20	5.675E-22	5.771E-15	7.236E-01	8.946E-19	1.370E-20
8.000E+02	0.	1.126E-02	1.055E-13	3.354E-21	4.980E-20	6.686E-13	7.416E-01	8.142E-19	3.240E-20
9.000E+02	0.	4.451E-03	1.631E-13	3.373E-19	1.567E-18	2.705E-11	7.467E-01	7.764E-19	6.349E-20
1.000E+03	0.	2.089E-03	1.435E-11	2.779E-17	2.454E-17	5.253E-10	7.484E-01	7.270E-19	1.066E-19
1.100E+03	0.	1.113E-03	8.495E-11	1.025E-19	2.329E-19	5.984E-09	7.492E-01	6.724E-19	1.590E-19
1.200E+03	0.	6.577E-04	3.717E-10	2.065E-14	1.521E-15	4.566E-08	7.495E-01	6.130E-19	2.166E-19
1.300E+03	0.	4.211E-04	1.294E-09	2.624E-13	7.467E-15	2.559E-07	7.497E-01	5.551E-19	2.751E-19
1.400E+03	0.	2.876E-04	3.766E-09	2.325E-12	2.929E-14	1.125E-06	7.498E-01	4.990E-19	3.312E-19
1.500E+03	0.	2.066E-04	9.497E-09	1.543E-11	9.603E-14	4.071E-06	7.499E-01	4.403E-19	3.830E-19
1.600E+03	1.097E-29	1.550E-04	2.133E-08	8.046E-11	2.723E-13	1.257E-05	7.499E-01	4.028E-19	4.294E-19
1.700E+03	1.041E-26	1.205E-04	4.355E-08	3.466E-10	6.648E-13	3.606E-05	7.499E-01	3.629E-19	4.704E-19
1.800E+03	4.655E-24	8.212E-05	1.269E-07	1.559E-12	8.276E-05	7.499E-01	3.281F-19	5.061E-19	2.905E-19
1.900E+03	1.124E-21	7.915E-05	1.449E-07	4.050E-	3.261E-12	1.834E-04	7.498E-01	2.905E-19	5.370E-19
2.000E+03	1.369E-19	6.636E-05	2.414E-07	1.151E-08	6.350E-12	3.758E-04	7.496E-01	3.159E-19	6.547E-19
2.100E+03	3.064E-18	5.660E-05	3.831E-07	2.962E-08	1.162E-11	7.197E-04	7.493E-01	1.150E-18	2.705E-18
2.200E+03	2.630E-17	4.903E-05	5.829E-07	6.953E-09	2.017E-11	1.300E-03	7.488E-01	7.365E-18	1.943E-17
2.300E+03	1.729E-16	4.302E-05	8.346E-07	1.532E-07	3.339E-11	2.233E-03	7.480E-01	4.370E-17	1.280E-16
2.400E+03	9.645E-16	3.817E-05	1.213E-06	3.162E-07	5.304E-05	3.667E-03	7.466E-01	2.262E-16	7.290E-16
2.500E+03	4.695E-15	3.417E-05	1.672E-06	6.002E-07	8.110E-11	5.788E-03	7.449E-01	1.030E-15	3.630E-15
2.600E+03	2.027E-14	3.081E-05	2.244E-06	1.118E-06	1.202E-10	8.020E-03	7.423E-01	4.161E-15	1.599E-14
2.700E+03	7.879E-14	2.794E-05	2.943E-06	1.963E-06	1.727E-10	1.302E-03	7.380E-01	1.528E-14	6.317E-14
2.800E+03	2.780E-13	2.544E-05	3.775E-06	3.305E-06	2.612E-10	1.869E-02	7.334E-01	5.097E-14	2.265E-13
2.900E+03	9.006E-13	2.323E-05	4.745E-06	5.360E-06	3.284E-09	2.612E-02	7.271E-01	1.564E-13	7.444E-13
3.000E+03	2.701E-12	2.124E-05	5.851E-06	8.398E-06	4.363E-10	3.569E-02	7.187E-01	4.453E-13	2.261E-12
3.100E+03	7.568E-12	1.942E-05	7.044E-06	1.217E-05	5.666E-09	4.770E-02	7.082E-01	1.183E-12	5.397E-12
3.200E+03	1.979E-11	1.772E-05	8.429E-06	1.808E-05	7.197E-10	6.147E-02	6.953E-01	2.953E-12	1.690E-11
3.300E+03	4.894E-11	1.612E-05	9.860E-06	2.6975E-05	8.950E-10	8.029E-02	6.797E-01	6.953E-12	4.230E-11
3.400E+03	1.147E-10	1.460E-05	1.134E-05	3.773E-05	1.090E-09	1.014E-01	6.612E-01	1.552E-11	1.009E-10
3.500E+03	2.560E-10	1.315E-05	1.284E-05	5.155E-05	1.301E-09	1.299E-01	6.590E-01	3.297E-11	2.260E-10
3.600E+03	9.457E-10	1.176E-05	1.430E-05	6.884E-05	1.522E-09	1.539E-01	6.152E-01	6.884E-11	4.861F-10
3.700E+03	1.115E-09	1.043E-05	1.587E-05	9.000E-05	1.746E-09	1.854E-01	5.877E-01	1.298E-10	1.002E-09
3.800E+03	2.193E-09	9.167E-06	1.689E-05	1.153E-06	1.964E-09	2.200E-01	5.974E-01	2.418E-10	1.985F-09
3.900E+03	4.156E-09	7.976E-06	1.793E-05	1.446E-06	2.168E-09	2.575E-01	5.245E-01	4.333F-10	3.792E-09
4.000E+03	7.615E-09	6.860E-06	1.873E-05	1.767E-06	2.349E-09	2.974E-01	4.896E-01	7.493E-10	6.998E-09
4.100E+03	1.352E-08	5.832E-06	1.927E-05	2.167E-06	2.499E-09	3.391E-01	4.530E-01	1.251E-09	1.251E-08
4.200E+03	2.330E-08	4.899E-06	1.952E-05	2.610E-06	3.619E-09	4.159E-01	4.159E-01	2.021E-09	2.169E-08
4.300E+03	3.905E-08	4.066E-06	1.948E-05	3.033E-06	2.682E-09	4.250E-01	3.778E-01	3.166E-09	3.577E-08
4.400E+03	6.378E-08	3.339E-06	1.918E-05	3.509E-06	2.712E-09	4.676E-01	3.404E-01	4.814E-09	6.006E-08
4.500E+03	1.017E-07	2.703E-06	1.882E-05	4.005E-06	2.701E-09	5.089E-01	3.046E-01	7.115E-09	9.621E-08
4.600E+03	1.584E-07	2.167E-06	1.767E-05	4.513E-06	2.655E-09	5.483E-01	2.694E-01	1.026E-08	1.900E-07
4.700E+03	2.416E-07	1.722E-06	1.695E-05	5.028E-06	2.578E-09	5.853E-01	2.370E-01	1.442E-08	2.306E-07
4.800E+03	3.613E-07	1.356E-06	1.594E-05	5.546E-06	2.477E-09	6.193E-01	2.070E-01	1.983E-08	3.466E-07
4.900E+03	5.304E-07	1.061E-06	1.402E-05	6.056E-06	2.347E-09	6.501E-01	1.790E-01	2.469E-08	5.094E-07
5.000E+03	7.653E-07	8.252E-07	1.370E-06	6.560E-06	2.222E-09	6.776E-01	1.554E-01	3.523E-08	7.367E-07
5.200E+03	1.521E-06	4.933E-07	1.150E-06	7.534E-06	1.950F-09	7.230E-01	1.149E-01	5.097E-08	1.468E-06
5.400E+03	2.058E-06	2.957E-07	9.501E-06	8.453E-06	1.678E-09	7.567E-01	8.436E-02	9.125E-08	2.762E-06
5.600E+03	5.122E-06	1.764E-07	7.779E-06	9.308E-06	1.420E-09	7.807E-01	6.930E-02	1.360E-07	4.942E-06
5.800E+03	8.634E-06	1.065E-07	6.341E-06	1.009E-03	1.206E-09	7.972E-01	4.566E-02	1.949E-07	8.466E-06
6.000E+03	1.459E-05	6.517E-08	5.159E-06	1.080E-03	1.013E-09	8.078E-01	3.392E-02	2.703E-07	1.394E-05
6.200E+03	2.342E-05	4.041E-06	4.195E-06	1.141E-03	8.457E-10	8.140E-01	2.544E-02	3.644E-07	2.219E-05
6.400E+03	3.652E-05	2.540E-06	3.411E-06	1.191E-03	7.015E-10	8.168E-01	1.927E-02	4.795E-07	3.622E-05
6.600E+03	5.551E-05	1.615E-06	2.770E-06	1.229E-03	5.772E-10	8.169E-01	1.475E-02	6.173E-07	5.131E-05
6.800E+03	8.245E-05	1.039E-06	2.247E-06	1.253E-03	4.702E-10	8.148E-01	1.140E-02	7.705E-07	4.947E-05
7.000E+03	1.199E-04	6.738E-09	1.818E-06	1.263E-03	3.768E-10	8.110E-01	8.906E-03	9.674E-07	1.070E-04
7.200E+03	1.711E-04	4.402E-06	1.466E-06	1.256E-03	3.007E-10	8.059E-01</			

TABLE II.- Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
9.051E-08	5.616E-04	5.252E-13	1.813E-10	6.897E-02	1.871E-08	5.002E-02	3.853E-05	9.185E-12	3.500E+04
7.345E-08	3.997E-04	2.366E-13	9.691E-11	5.859E-02	1.268E-08	5.923E-02	7.630E-05	3.042E-11	3.600E+04
6.355E-08	2.917E-04	1.030E-13	5.058E-11	4.890E-02	8.523E-09	6.779E-02	1.424E-04	1.672E-10	3.700E+04
5.063E-08	2.111E-04	4.675E-14	2.593E-11	4.029E-02	5.691E-09	7.537E-02	2.524E-04	5.130E-10	3.800E+04
4.291E-08	1.520E-04	1.933E-14	1.315E-11	3.277E-02	3.786E-09	8.182E-02	4.277E-04	1.659E-09	3.900E+04
3.640E-08	1.091E-04	6.324E-15	6.435E-12	2.650E-02	2.517E-09	8.708E-02	6.940E-04	4.994E-09	4.000E+04
3.192E-08	7.831E-05	3.619E-15	3.366E-12	2.139E-02	1.675E-09	9.121E-02	1.097E-03	1.413E-08	4.100E+04
2.797E-08	5.630E-05	1.587E-15	1.694E-12	1.717E-02	1.119E-09	9.427E-02	1.675E-03	3.774E-08	4.200E+04
2.473E-08	4.059E-05	7.016E-16	8.629E-13	1.380E-02	7.913E-10	9.635E-02	2.488E-03	9.573E-08	4.300E+04
2.205E-08	2.937E-05	3.141E-16	4.428E-13	1.109E-02	5.071E-10	9.749E-02	3.605E-03	-2.313E-07	4.400E+04
1.980E-08	2.132E-05	1.422E-16	2.289E-13	0.924E-03	3.441E-10	9.775E-02	5.100E-03	5.340E-07	4.500E+04
1.791E-08	1.552E-05	6.510E-17	1.191E-13	7.182E-03	2.367E-10	9.711E-02	7.052E-03	1.181E-06	4.600E+04
1.629E-08	1.133E-05	3.007E-17	6.230E-14	5.779E-03	1.608E-10	9.558E-02	9.533E-03	2.503E-08	4.700E+04
1.469E-08	8.200E-06	1.598E-17	3.268E-14	4.644E-03	1.105E-10	9.316E-02	1.261E-02	5.098E-06	4.800E+04
1.369E-08	6.052E-06	6.533E-18	1.716E-14	3.727E-03	7.619E-11	8.985E-02	1.651E-02	9.978E-06	4.900E+04
1.263E-08	4.418E-06	3.055E-18	8.988E-15	2.977E-03	5.251E-11	8.570E-02	2.062E-02	1.879E-05	5.000E+04

P/PD = 1.40E+01

N-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	1.395E-01	5.833E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.168E-01	8.195E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	6.791E-34	2.412E-01	1.115E-20	0.	0.	0.	0.	7.700E+02
0.	0.	2.404E-29	2.472E-01	1.450E-20	0.	0.	0.	0.	8.000E+02
0.	0.	6.833E-26	2.489E-01	1.746E-20	0.	0.	0.	0.	9.000E+02
0.	0.	3.971E-23	2.495E-01	1.976E-20	0.	0.	0.	0.	1.000E+03
0.	0.	7.285E-21	2.497E-01	2.119E-20	0.	0.	0.	0.	1.100E+03
0.	0.	5.62L-19	2.698E-01	2.181E-20	0.	0.	0.	0.	1.200E+03
0.	0.	2.134E-17	2.499E-01	2.178E-20	2.483E-22	0.	0.	0.	1.300E+03
0.	0.	5.254E-16	2.499E-01	2.127E-20	2.910E-21	0.	0.	0.	1.400E+03
0.	0.	8.126E-15	2.499E-01	2.047E-20	2.416E-20	0.	0.	0.	1.500E+03
0.	0.	d.949E-14	2.500E-01	1.950E-20	1.520E-29	0.	0.	0.	1.600E+03
0.	0.	7.942E-13	2.500E-01	1.847E-20	7.617E-29	1.039E-39	0.	0.	1.700E+03
3.692E-27	u.884E-12	2.500E-01	1.744E-20	3.166E-20	0.	0.	0.	0.	1.800E+03
1.337E-24	2.637E-11	2.500E-01	1.647E-20	1.127E-27	0.	0.	0.	0.	1.900E+03
2.329E-22	1.234E-11	2.499E-01	1.801E-20	4.072E-27	0.	0.	0.	0.	2.000E+03
7.170E-21	4.175E-10	2.499E-01	6.753E-20	4.500E-26	1.422E-28	0.	0.	0.	2.100E+03
8.229E-20	1.661E-09	2.499E-01	4.438E-19	7.909E-25	3.932E-27	0.	0.	0.	2.200E+03
7.003E-19	5.204E-09	2.497E-01	2.685F-18	1.179E-23	7.540E-26	0.	0.	0.	2.300E+03
4.930E-18	1.643E-08	2.495E-01	1.422E-17	1.421E-22	1.116E-24	0.	0.	0.	2.400E+03
2.961E-17	3.888E-08	2.493E-01	6.592E-17	1.409E-21	1.327E-23	0.	0.	0.	2.500E+03
1.546E-16	9.467E-08	2.488E-01	2.739E-16	1.172E-20	1.301E-22	0.	0.	0.	2.600E+03
7.130E-16	2.158E-07	2.488E-01	1.017E-15	8.344E-20	1.077E-21	0.	0.	0.	2.700E+03
2.941E-15	4.639E-07	2.477E-01	3.454E-15	5.175E-19	7.644E-21	0.	0.	0.	2.800E+03
1.097E-14	9.556E-07	2.467E-01	1.080E-14	2.833E-16	4.731E-20	0.	0.	0.	2.900E+03
3.736E-14	1.837E-06	2.455E-01	3.133E-16	1.389E-17	2.587E-19	0.	0.	0.	3.000E+03
1.171E-13	3.419E-06	2.446E-01	6.533E-16	6.150E-16	1.265E-18	0.	0.	0.	3.100E+03
3.390E-13	6.116E-06	2.422E-01	2.179E-13	2.488E-16	5.583E-18	0.	0.	0.	3.200E+03
9.1d9E-13	1.339E-05	2.399E-01	5.250E-13	9.246E-16	2.245E-17	0.	0.	0.	3.300E+03
2.367E-12	2.158E-04	2.373E-01	1.205E-12	3.189E-15	8.290F-17	0.	0.	0.	3.400E+03
5.624E-12	2.854E-05	2.342E-01	2.637E-12	1.024E-14	2.030E-16	0.	0.	0.	3.500E+03
1.275E-11	4.955E-05	2.307E-01	5.930E-12	3.101E-14	9.988E-16	0.	0.	0.	3.600E+03
2.747E-11	8.359E-05	2.267E-01	1.115E-11	8.842E-14	2.670E-15	0.	0.	0.	3.700E+03
5.637E-11	1.034E-04	2.224E-01	2.166E-11	2.390E-13	7.450E-15	0.	0.	0.	3.800E+03
1.105E-10	1.516E-04	2.176E-01	4.077E-11	6.159E-13	1.966E-14	0.	0.	0.	3.900E+03
2.077E-10	2.177E-04	2.126E-01	7.633E-11	1.514E-12	4.913E-16	0.	0.	0.	4.000E+03
3.749E-10	3.0e9E-04	2.073E-01	1.320E-10	3.575E-12	1.169E-13	0.	0.	0.	4.100E+03
6.516E-10	4.251E-04	2.019E-01	2.262E-10	9.124E-12	2.650E-13	0.	0.	0.	4.200E+03
1.092E-09	5.795E-04	1.964E-01	3.055E-10	1.702E-11	5.76E-13	0.	0.	0.	4.300E+03
1.777E-09	7.703E-04	1.909E-01	6.374E-10	3.783E-11	1.201E-12	0.	0.	0.	4.400E+03
2.778E-08	1.031L-03	1.855E-01	1.636E-09	7.791E-11	2.631E-12	0.	0.	0.	4.500E+03
4.234E-08	1.349E-03	1.804E-01	1.646E-09	1.560E-10	4.729E-12	0.	0.	0.	4.600E+03
6.278E-08	1.745E-03	1.755E-01	2.930E-09	3.044E-10	8.907E-12	0.	0.	0.	4.700E+03
9.066E-08	2.234E-03	1.709E-01	3.493E-09	5.797E-10	1.622E-11	0.	0.	0.	4.800E+03
1.279E-08	2.632E-03	1.667E-01	4.063E-09	1.079E-09	2.910E-11	0.	0.	0.	4.900E+03
1.765E-08	3.557E-03	1.627E-01	9.109E-09	1.964E-09	5.050E-11	0.	0.	0.	5.000E+03
3.174E-06	5.957E-03	1.587E-01	9.131E-08	1.413E-08	1.413E-10	0.	0.	0.	5.200E+03
5.342E-08	8.167E-03	1.499E-01	4.113E-08	1.775E-08	3.663E-10	0.	0.	0.	5.400E+03
8.516E-08	1.186E-02	1.445E-01	8.162E-08	4.795E-08	8.792E-10	0.	0.	0.	5.600E+03
1.298E-07	1.677E-02	1.396E-01	1.550E-07	1.214E-07	1.970E-09	0.	0.	0.	5.800E+03
1.935E-07	2.131E-02	1.340E-01	2.817E-07	2.842E-07	4.183E-09	2.333E-25	0.	0.	6.000E+03
2.7C9E-07	3.115E-02	1.282E-01	4.500E-07	6.500E-07	8.394E-09	2.249E-24	0.	0.	6.200E+03
3.749E-07	4.100E-02	1.217E-01	6.186E-07	1.387E-06	1.602E-08	1.676E-23	0.	0.	6.400E+03
5.065E-07	5.276E-02	1.143E-01	1.308E-06	2.080E-06	2.914E-08	1.370E-22	0.	0.	6.600E+03
6.701E-07	6.660E-02	1.066E-01	2.009E-06	5.416E-06	5.088E-08	8.843E-22	0.	0.	6.800E+03
8.701E-07	8.175E-02	9.685E-02	2.946E-06	9.976E-06	8.510E-08	5.088E-21	0.	0.	7.000E+03
1.111E-06	9.848E-02	8.701E-02	4.145E-06	1.757E-05	1.368E-07	2.622E-20	0.	0.	7.200E+03
1.397E-05	1.161E-01	7.672E-02	5.549E-06	2.968E-05	2.110E-07	1.228E-19	0.	0.	7.400E+03
1.734E-06	1.340E-01	6.632E-02	7.246E-06	4.815E-05	3.161E-07	5.228E-19	0.	0.	7.600E+03
2.126E-06	1.516E-01	5.617E-02	9.015E-06	7.521E-05	4.557E-07	2.039E-18	0.	0.	7.800E+03
2.577E-06	1.681E-01	4.663E-02	1.080E-05	1.134E-04	6.359E-07	7.330E-18	0.	0.	8.000E+03
3.092E-06	1.830E-01	3.799E-02	1.240E-05	1.659E-04	8.602E-07	2.451E-17	0.	0.	8.200E+03
3.676E-06	1.980E-01	3.046E-02	1.398E-05	2.341E-04	1.132E-06	7.662E-17	0.	0.	8.400E+03
4.334E-06	2.069E-01	2.610E-02	1.524E-05	3.228E-04	1.451E-06	2.238E-16	0.	0.	8.600E+03
5.069E-06	2.159E-01	1.887E-02	1.622E-05	4.345F-04	1.020E-06	6.194E-16	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	2.147E-03	1.264E-10	1.847E-07	7.273E-04	2.074E-11	7.561E-01	1.267E-03	4.741E-06	1.560E-03
9.200E+03	2.681E-03	8.877E-11	1.471E-07	6.626E-04	1.494E-11	7.531E-01	1.094E-03	5.389E-06	1.925E-03
9.400E+03	3.316E-03	6.296E-11	1.176E-07	6.031E-04	1.079E-11	7.504E-01	9.508E-04	6.102E-06	2.357E-03
9.600E+03	4.066E-03	4.511E-11	9.450E-08	5.488E-04	7.824E-12	7.480E-01	8.314E-04	6.881E-06	2.864E-03
9.800E+03	4.966E-03	3.264E-11	7.630E-08	4.997E-04	5.707E-12	7.458E-01	7.308E-04	7.729E-06	3.656E-03
1.000E+04	5.970E-03	2.304E-11	6.192E-08	4.554E-04	4.189E-12	7.436E-01	6.455E-04	6.644E-06	4.143E-03
1.100E+04	1.383E-02	5.629E-12	2.339E-08	2.921E-04	9.828E-13	7.307E-01	5.872E-04	1.420E-05	9.354E-03
1.200E+04	2.784E-02	1.559E-12	9.682E-09	1.929E-04	2.640E-13	7.106E-01	2.224E-04	2.146E-05	1.054E-02
1.300E+04	5.006E-02	4.737E-13	4.209E-09	1.285E-06	7.674E-14	6.793E-01	1.307E-04	2.957E-05	3.371E-02
1.400E+04	8.190E-02	1.485E-13	1.845E-09	8.439E-05	2.278E-14	6.345E-01	8.678E-05	3.746E-05	5.377E-02
1.500E+04	1.234E-01	6.950E-14	7.856E-10	5.346E-05	6.553E-15	5.757E-01	5.325E-05	4.364E-05	8.161E-02
1.600E+04	1.729E-01	1.313E-14	3.116E-10	3.208E-05	1.751E-15	5.049E-01	3.145E-05	4.669E-05	1.153E-01
1.700E+04	2.268E-01	3.641E-15	1.171E-10	1.801E-05	4.219E-16	4.265E-01	1.706E-05	4.584E-05	1.533E-01
1.800E+04	2.807E-01	8.081E-16	3.973E-11	9.427E-06	9.055E-17	3.467E-01	9.317E-06	4.137E-05	1.926E-01
1.900E+04	3.301E-01	1.707E-16	1.239E-11	4.625E-06	1.745E-17	2.721E-01	6.842E-06	1.27E-05	2.303E-01
2.000E+04	3.720E-01	3.313E-17	3.610E-12	2.150E-06	3.104E-18	2.074E-01	2.200E-06	2.691E-05	2.635E-01
2.100E+04	4.053E-01	6.114E-18	1.016E-12	9.777E-07	5.289E-19	1.551E-01	1.000E-06	1.992E-05	2.909E-01
2.200E+04	4.304E-01	1.113E-18	2.822E-13	4.389E-07	8.985E-20	1.150E-01	4.551E-07	1.423E-05	3.122E-01
2.300E+04	4.688E-01	2.069E-19	7.960E-14	1.987E-07	1.573E-20	8.529E-02	2.050E-07	9.968E-06	3.201E-01
2.400E+04	4.820E-01	4.020E-20	2.326E-16	9.176E-08	2.902E-21	6.381E-02	9.646E-08	6.836E-06	3.397E-01
2.500E+04	4.716E-01	8.292E-21	7.090E-19	4.359E-08	5.716E-22	4.838E-02	6.447E-08	6.837E-06	3.479E-01
2.600E+04	4.786E-01	1.829E-21	2.277E-15	2.132E-08	1.209E-22	3.720E-02	2.156E-08	3.400E-06	3.538E-01
2.700E+04	4.839E-01	4.323E-22	7.684E-16	1.076E-08	2.704E-23	2.922E-02	1.040E-08	2.416E-06	3.578E-01
2.800E+04	4.883E-01	1.092E-22	2.722E-16	5.582E-09	6.627E-24	2.330E-02	5.566E-09	1.739E-06	3.605E-01
2.900E+04	4.922E-01	2.936E-23	1.000E-16	2.970E-09	1.697E-24	1.890E-02	2.989E-09	1.269E-06	3.620E-01
3.000E+04	4.959E-01	8.345E-24	3.879E-17	1.613E-09	4.557E-25	1.557E-02	1.645E-09	9.372E-07	3.625E-01
3.100E+04	4.999E-01	2.489E-24	1.543E-17	8.895E-10	1.269E-25	1.301E-02	9.320E-10	7.009E-07	3.621E-01
3.200E+04	5.042E-01	7.730E-25	6.300E-18	4.955E-10	3.629E-26	1.101E-02	5.437E-10	5.303E-07	3.609E-01
3.300E+04	5.089E-01	2.448E-25	2.626E-18	2.775E-10	1.054E-26	9.431E-03	3.251E-10	4.056E-07	3.589E-01
3.400E+04	5.139E-01	8.232E-26	1.112E-18	1.556E-10	3.084E-27	8.163E-03	1.950E-10	3.134E-07	3.564E-01
3.500E+04	5.191E-01	2.190E-26	4.763E-19	8.723E-11	9.055E-28	7.133E-03	1.245E-10	2.447E-07	3.533E-01
3.600E+04	5.262E-01	9.657E-27	2.063E-19	4.882E-11	2.661E-29	6.285E-03	7.948E-11	1.929E-07	3.506E-01
3.700E+04	5.290E-01	3.413E-27	9.020E-20	2.730E-11	7.833E-29	5.580E-03	5.173E-11	1.533E-07	3.476E-01
3.800E+04	5.334E-01	1.232E-27	3.996E-20	1.527E-11	2.316E-29	4.988E-03	3.420E-11	1.235E-07	3.449E-01
3.900E+04	5.373E-01	4.543E-28	1.792E-20	8.573E-12	6.924E-30	4.487E-03	2.310E-11	1.002E-07	3.425E-01
4.000E+04	5.406E-01	1.715E-28	8.155E-21	4.837E-12	2.096E-30	4.059E-03	1.582E-11	8.204E-08	3.405E-01
4.100E+04	5.435E-01	6.630E-29	3.771E-21	2.750E-12	6.456E-31	3.690E-03	1.059E-11	6.774E-06	3.387E-01
4.200E+04	5.459E-01	2.627E-29	1.774E-21	1.577E-12	2.031E-31	3.371E-03	7.746E-12	5.637E-08	3.372E-01
4.300E+04	5.480E-01	1.066E-29	8.494E-22	9.130E-13	0.	3.092E-03	5.530E-12	4.725E-08	3.359E-01
4.400E+04	5.499E-01	4.435E-30	6.139E-22	5.346E-13	0.	2.847E-03	3.997E-12	3.887E-08	3.347E-01
4.500E+04	5.517E-01	1.887E-30	2.052E-23	3.161E-13	0.	2.630E-03	2.922E-12	3.384E-08	3.336E-01
4.600E+04	5.534E-01	8.206E-31	1.033E-22	1.888E-13	0.	2.437E-03	2.160E-12	2.809E-08	3.325E-01
4.700E+04	5.552E-01	3.640E-31	5.202E-23	1.137E-13	0.	2.265E-03	1.612E-12	2.470E-08	3.313E-01
4.800E+04	5.571E-01	1.645E-31	2.736E-23	6.906E-14	0.	2.110E-03	1.215E-12	2.135E-08	3.301E-01
4.900E+04	5.591E-01	7.591E-32	1.434E-23	4.220E-14	0.	1.971E-03	9.234E-13	1.847E-08	3.287E-01
5.000E+04	5.612E-01	3.516E-32	7.590E-24	2.591E-14	0.	1.864E-03	7.070E-13	1.604E-08	3.272E-01

P/PO = 1.60E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	4.647E-01	1.958E-20	8.650E-35	1.274E-28	1.111E-21	4.015E-01	1.240E-10	1.362E-21
6.000E+02	0.	1.467E-01	2.621E-17	7.685E-29	1.358E-24	9.297E-18	6.399E-01	9.637E-19	6.540E-21
7.000E+02	0.	3.977E-02	3.214E-15	1.099E-26	6.423E-22	5.308E-15	7.202E-01	8.613E-19	1.295E-20
8.000E+02	0.	1.282E-02	1.124E-13	1.351E-21	5.673E-20	6.249E-13	7.404E-01	8.174E-19	3.053E-20
9.000E+02	0.	5.080E-03	1.742E-12	3.371E-19	1.789E-18	2.529E-11	7.462E-01	7.086E-19	5.973E-20
1.000E+03	0.	2.381E-03	1.933E-11	2.770E-17	2.803E-17	4.913E-10	7.482E-01	7.312E-19	1.006E-19
1.100E+03	0.	1.272E-03	9.877E-11	1.025E-15	2.661E-16	5.537E-09	7.490E-01	6.807E-19	1.506E-19
1.200E+03	0.	7.515E-04	3.973E-10	2.065E-14	1.730E-15	4.271E-08	7.494E-01	5.670E-19	2.628E-19
1.300E+03	0.	4.612E-04	1.303E-09	2.624E-13	8.932E-15	2.394E-07	7.496E-01	5.670E-19	3.170E-19
1.400E+03	0.	3.284E-04	6.025E-09	3.232E-12	3.347E-14	1.052E-06	7.495E-01	5.123E-19	3.170E-19
1.500E+03	0.	2.362E-04	1.015E-08	1.543E-11	1.079E-13	3.808E-06	7.495E-01	4.610E-19	3.690E-19
1.600E+03	0.	9.206E-30	1.772E-04	2.820E-08	8.066E-11	3.112E-13	1.176E-05	7.495E-01	4.164E-19
1.700E+03	0.	8.705E-03	1.377E-04	4.655E-08	3.466E-10	7.826E-13	3.186E-05	7.495E-01	3.763E-19
1.800E+03	0.	3.950E-03	1.102E-04	1.289E-09	1.781E-11	7.742E-09	7.495E-01	3.412E-19	4.923E-19
1.900E+03	0.	9.468E-22	9.046E-05	1.549E-07	4.050E-09	3.714E-12	1.716E-06	7.495E-01	3.111E-19
2.000E+03	0.	1.170E-19	7.581E-05	2.581E-07	1.151E-08	7.257E-12	3.515E-04	7.495E-01	3.234E-19
2.100E+03	0.	2.770E-18	6.469E-05	4.096E-07	2.962E-08	1.329E-11	6.732E-04	7.495E-01	2.113E-18
2.200E+03	0.	2.399E-17	5.804E-05	6.232E-07	6.993E-08	2.305E-11	1.216E-03	7.495E-01	7.045E-18
2.300E+03	0.	1.573E-16	4.918E-05	9.130E-07	1.532E-07	3.817E-11	2.089E-03	7.495E-01	1.419E-17
2.400E+03	0.	8.799E-16	4.364E-05	1.297E-06	3.143E-07	6.063E-11	3.431E-03	7.470E-01	2.170E-16
2.500E+03	0.	4.202E-15	3.908E-05	1.788E-06	6.088E-07	9.283E-11	5.416E-03	7.452E-01	6.849E-16
2.600E+03	0.	1.863E-14	3.523E-05	2.401E-06	1.119E-06	1.375E-10	8.253E-03	7.427E-01	6.011E-15
2.700E+03	0.	7.175E-14	3.190E-05	1.964E-06	1.976E-06	1.219E-02	7.393E-01	1.449E-14	9.570E-14
2.800E+03	0.	2.532E-13	2.915E-05	4.043E-06	3.308E-06	2.762E-10	1.794E-01	4.903E-14	2.037E-13
2.900E+03	0.	6.201E-13	2.664E-05	5.367E-06	5.367E-06	3.763E-10	2.447E-02	7.266E-01	1.506E-13
3.000E+03	0.	2.459E-12	2.339E-05	6.270E-06	8.414E-06	5.006E-10	3.344E-02	7.207E-01	4.291E-13
3.100E+03	0.	6.071E-12	2.233E-05	7.607E-06	1.278E-05	6.509E-10	4.670E-02	7.109E-01	1.142E-12
3.200E+03	0.	1.602E-11	2.042E-05	9.068E-06	1.808E-05	9.028E-10	6.987E-02	2.852E-12	1.527E-11
3.300E+03	0.	4.056E-11	1.862E-05	1.062E-05	2.709E-05	1.932E-02			

TABLE II. - Continued

M-	N	N2	N2*	N*	N-	N+	N++	N+++	T
5.884E-06	2.229E-01	1.469E-02	1.695E-05	5.730E-04	2.238E-06	1.627E-15	0.	0.	9.000E+03
6.782E-06	2.284E-01	1.139E-02	1.749E-05	7.422E-04	2.704E-06	4.079E-15	0.	0.	9.200E+03
7.766E-06	2.325E-01	8.829E-03	1.776E-05	9.464E-04	3.223E-06	9.793E-15	0.	0.	9.400E+03
8.834E-06	2.356E-01	6.851E-03	1.791E-05	1.190E-03	3.791E-06	2.261E-14	0.	0.	9.600E+03
9.909E-06	2.377E-01	5.331E-03	1.793E-05	1.479E-03	4.409E-06	5.034E-14	0.	0.	9.800E+03
1.123E-05	2.392E-01	4.164E-03	1.786E-05	1.877E-03	5.078E-06	1.064E-13	0.	0.	1.000E+04
1.881E-05	2.396E-01	1.301E-03	1.669E-05	4.472E-03	9.133E-06	3.275E-12	0.	0.	1.100E+04
2.744E-05	2.328E-01	4.580E-04	1.489E-05	9.302E-03	1.404E-05	5.604E-11	0.	0.	1.200E+04
3.650E-05	2.201E-01	1.758E-04	1.278E-05	1.701E-02	1.914E-05	6.217E-10	7.632E-25	0.	1.300E+04
4.612E-05	2.014E-01	7.092E-05	1.046E-05	2.795E-02	2.323E-05	4.904E-09	9.134E-23	0.	1.400E+04
4.859E-05	1.772E-01	2.904E-05	8.069E-06	4.183E-02	2.527E-05	2.934E-08	5.952E-21	0.	1.500E+04
4.880E-05	1.491E-01	1.174E-05	5.819E-06	9.760E-02	2.470E-05	1.406E-07	2.376E-19	0.	1.600E+04
4.472E-05	1.196E-01	4.597E-06	3.892E-06	7.360E-02	2.176E-05	5.502E-07	6.362E-18	0.	1.700E+04
3.756E-05	9.172E-02	1.731E-06	2.427E-06	8.809E-02	1.741E-05	1.898E-06	1.226E-16	0.	1.800E+04
2.913E-05	6.764E-02	6.295E-07	1.425E-06	9.982E-02	1.283E-05	5.675E-06	1.798E-15	0.	1.900E+04
2.116E-05	4.856E-02	2.246E-07	4.021E-07	1.084E-01	8.671E-06	1.526E-05	2.099E-14	0.	2.000E+04
1.462E-05	3.439E-02	4.022E-08	4.623E-07	1.143E-01	5.884E-06	3.758E-05	2.044E-13	0.	2.100E+04
4.737E-06	2.633E-02	2.924E-08	2.434E-07	1.180E-01	3.819E-06	8.595E-05	1.614E-12	0.	2.200E+04
6.464E-06	1.735E-02	1.103E-08	1.355E-07	1.203E-01	2.464E-05	1.844E-04	1.116E-11	0.	2.300E+04
4.233E-06	1.254E-02	4.360E-09	7.691E-08	1.216E-01	1.598E-06	3.742E-04	6.717E-11	0.	2.400E+04
2.817E-06	9.218E-02	1.767E-09	4.466E-08	1.222E-01	1.046E-06	7.214E-04	3.568E-10	0.	2.500E+04
1.889E-06	6.849E-02	7.688E-10	2.645E-08	1.221E-01	6.987E-07	1.327E-03	1.669E-09	0.	2.600E+04
1.287E-06	5.234E-02	3.442E-10	1.067E-08	2.124E-01	4.729E-07	2.336E-03	7.190E-09	0.	2.700E+04
8.736E-07	4.328E-03	1.595E-13	9.887E-09	1.202E-01	3.249E-07	2.940E-03	2.771E-08	0.	2.800E+04
6.328E-07	3.131E-03	7.565E-11	6.137E-09	1.175E-01	2.259E-07	6.374E-03	9.725E-08	0.	2.900E+04
4.573E-07	2.474E-03	3.672E-11	3.816E-09	1.137E-01	1.505E-07	9.884E-03	3.119E-07	0.	3.000E+04
3.375E-07	1.915E-03	1.793E-11	2.357E-09	1.084E-01	1.116E-07	1.468E-02	9.172E-07	0.	3.100E+04
2.542E-07	1.494E-03	8.745E-12	1.435E-09	1.016E-01	7.891E-08	2.006E-02	2.479E-06	0.	3.200E+04
1.955E-07	1.157E-03	6.222E-12	8.547E-10	9.326E-02	5.552E-08	2.835E-02	6.175E-06	0.	3.300E+04
1.532E-07	9.861E-04	2.011E-12	4.957E-10	8.375E-02	3.881E-08	3.687E-02	1.423E-05	1.310E-12	3.400E+04
1.223E-07	6.735E-04	9.393E-13	2.794E-10	7.356E-02	2.690E-08	4.596E-02	3.050E-05	6.203E-12	3.500E+04
9.930E-08	5.011E-04	4.302E-13	1.531E-10	6.328E-02	1.846E-08	5.510E-02	6.114E-05	2.666E-11	3.600E+04
6.190E-08	3.702E-04	1.937E-13	8.186E-11	5.345E-02	1.256E-08	6.381E-02	1.154E-04	1.027E-10	3.700E+04
6.653E-08	2.710E-04	8.606E-14	4.292E-11	4.447E-02	6.481E-09	7.170E-02	2.067E-04	3.621E-10	3.800E+04
5.811E-08	1.971E-04	3.794E-14	2.220F-11	3.657E-09	5.717E-09	7.856E-02	3.533E-04	1.179E-09	3.900E+04
4.987E-08	1.424E-04	1.669E-14	1.140E-11	2.983E-02	4.325E-09	6.429E-02	5.800E-04	3.576E-09	4.000E+04
4.328E-08	1.033E-04	7.356E-15	5.830E-12	2.424E-02	2.571E-09	8.890E-02	9.191E-04	1.010E-08	4.100E+04
3.793E-08	7.476E-05	3.254E-15	2.949E-12	1.959E-02	1.730E-09	9.245E-02	1.412E-03	2.734E-08	4.200E+04
3.355E-08	5.442E-05	1.659E-15	1.543E-12	1.983E-02	1.164E-09	9.500E-02	2.130E-03	6.967E-08	4.300E+04
2.452E-08	3.944E-05	6.606E-16	8.003E-13	1.280E-02	7.928E-09	9.661E-02	3.069E-03	1.691E-07	4.400E+04
2.688E-08	2.678E-05	3.023E-16	4.179E-13	1.035E-02	5.408E-10	9.734E-02	4.382E-03	3.923E-07	4.500E+04
2.431E-08	2.130E-05	1.398E-16	2.197E-13	8.369E-03	3.707E-10	9.719E-02	6.062E-03	8.717E-07	4.600E+04
2.711E-08	1.565E-05	6.524E-17	1.161E-13	6.769E-03	2.553E-10	9.618E-02	6.241E-03	1.058E-06	4.700E+04
2.022E-08	1.130E-05	3.068E-17	6.161E-14	5.474E-03	1.765E-03	9.429E-02	1.096E-02	3.807E-06	4.800E+04
1.693E-08	8.351E-06	1.450E-17	3.275E-16	4.616E-03	1.223E-03	9.153E-02	1.427E-02	7.503E-06	4.900E+04
1.714E-08	6.138E-06	6.602E-18	1.734E-14	3.554E-03	8.489E-11	8.793E-02	1.810E-02	1.424E-03	5.000E+04

P/PO = 1.60E+01

M-	N	N2	N2*	N*	N-	N+	N++	N+++	T
0.	J _o	1.338E-01	5.925E-21	0.	0.	0.	0.	0.	5.000E+02
0.	J _o	2.133E-01	6.300E-21	0.	0.	0.	0.	0.	6.000E+02
0.	d _o	2.041E-04	1.126E-20	0.	0.	0.	0.	0.	7.000E+02
0.	z _o	2.525E-24	2.466E-01	1.456E-20	0.	0.	0.	0.	8.000E+02
0.	b _o	3.901E-26	2.487E-01	1.758E-23	0.	0.	0.	0.	9.000E+02
0.	s _o	3.714E-23	2.444E-01	1.942E-20	0.	0.	0.	0.	1.000E+03
0.	a _o	8.814E-21	2.497E-01	2.145E-20	0.	0.	0.	0.	1.100E+03
0.	f _o	5.204E-19	2.498E-01	2.210E-20	1.304E-33	0.	0.	0.	1.200E+03
0.	v _o	2.390E-17	2.495E-01	2.225E-20	2.372E-32	0.	0.	0.	1.300E+03
0.	g _o	4.914E-16	2.495E-01	2.182E-20	2.792E-31	0.	0.	0.	1.400E+03
0.	h _o	7.601E-15	2.494E-01	2.130E-20	3.232E-30	0.	0.	0.	1.500E+03
0.	j _o	2.602E-14	2.501E-01	2.015E-29	1.469E-29	0.	0.	0.	1.600E+03
0.	b _o	6.946E-13	2.505E-01	1.915E-29	7.349E-29	0.	0.	0.	1.700E+03
3.212E-27	4.569E-12	2.500E-01	1.813E-20	3.040E-28	0.	0.	0.	0.	1.800E+03
1.230E-24	2.646E-11	2.505E-01	1.714E-20	1.092E-27	0.	0.	0.	0.	1.900E+03
2.128E-22	1.126E-10	2.499E-01	1.684E-20	3.899E-27	0.	0.	0.	0.	2.000E+03
6.948E-21	4.651E-10	2.494E-01	1.637E-20	4.075E-26	1.370E-28	0.	0.	0.	2.100E+03
6.025E-20	1.554E-09	2.496E-01	4.257E-19	7.049E-25	3.033E-27	0.	0.	0.	2.200E+03
6.633E-19	4.868E-09	2.497E-01	2.574E-18	1.051E-23	7.366E-26	0.	0.	0.	2.300E+03
4.039E-16	1.307E-08	2.496E-01	1.364E-17	1.275E-22	1.085E-24	0.	0.	0.	2.400E+03
2.687E-17	3.630E-08	2.493E-01	6.356E-17	1.263E-21	1.293E-23	0.	0.	0.	2.500E+03
1.507E-16	9.857E-08	2.490E-01	2.629E-16	1.052E-20	1.264E-22	0.	0.	0.	2.600E+03
6.948E-16	2.014E-07	2.485E-01	9.773E-16	7.447E-20	1.049E-21	0.	0.	0.	2.700E+03
2.666E-15	4.330E-07	2.477E-01	3.319E-15	6.632E-19	7.445E-21	0.	0.	0.	2.800E+03
1.069E-14	8.866E-07	2.466E-01	1.033E-14	2.549E-18	6.601E-20	0.	0.	0.	2.900E+03
3.641E-14	1.720E-06	2.455E-01	9.029E-14	1.249E-17	1.520E-19	0.	0.	0.	3.000E+03
1.142E-13	3.201E-06	2.444E-01	8.220E-14	5.553E-17	1.232E-18	0.	0.	0.	3.100E+03
3.306E-13	5.727E-06	2.427E-01	2.098E-13	2.237E-16	5.439E-18	0.	0.	0.	3.200E+03
5.971E-13	9.885E-06	2.406E-01	5.055E-13	8.323E-16	2.188E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	N-2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.045E-10	1.692E-05	1.225E-05	3.795E-05	1.260E-09	9.523E-02	6.666E-01	1.504E-11	9.059E-11
3.500E+03	2.331E-10	1.529E-05	1.389E-05	5.191E-05	1.500E-09	1.184E-01	6.463E-01	3.200E-11	2.041E-10
3.600E+03	4.973E-10	1.373E-05	1.552E-05	6.465E-05	1.771E-09	1.449E-01	6.231E-01	6.501E-11	4.394E-10
3.700E+03	1.017E-09	1.224E-05	1.706E-05	9.098E-05	2.039E-09	1.746E-01	5.970E-01	1.265E-10	9.066E-10
3.800E+03	2.000E-09	1.082E-05	1.847E-05	1.168E-05	2.374E-09	2.070E-01	5.681E-01	2.364E-10	1.790E-09
3.900E+03	3.796E-09	9.449E-06	1.969E-05	1.471E-04	2.959E-09	2.437E-01	5.346E-01	4.251E-10	3.438E-09
4.000E+03	6.956E-09	8.203E-06	2.047E-05	1.820E-04	2.703E-09	2.820E-01	5.030E-01	7.373E-10	6.354E-09
4.100E+03	1.236E-08	7.028E-06	2.137E-05	2.213E-04	2.977E-09	3.223E-01	4.677E-01	1.236E-09	1.137E-08
4.200E+03	2.133E-08	5.953E-06	2.177E-05	2.647E-04	3.130E-09	3.639E-01	4.313E-01	2.005E-09	1.975E-08
4.300E+03	4.300E-08	4.986E-06	2.187E-05	3.117E-04	3.237E-09	4.061E-01	3.943E-01	3.153E-09	3.335E-08
4.400E+03	5.855E-08	4.125E-06	2.166E-05	3.619E-04	3.295E-09	4.482E-01	3.574E-01	4.817E-09	5.486E-08
4.500E+03	6.366E-08	3.376E-06	2.117E-05	4.144E-04	3.305E-09	4.893E-01	3.213E-01	7.159E-09	8.804E-08
4.600E+03	1.458E-07	2.734E-06	2.045E-05	4.685E-04	3.270E-09	5.289E-01	2.865E-01	1.037E-08	1.300E-07
4.700E+03	2.226E-07	2.193E-06	1.952E-05	5.237E-04	3.196E-09	5.663E-01	2.534E-01	1.465E-08	2.110E-07
4.800E+03	3.336E-07	1.744E-06	1.845E-05	5.792E-04	3.090E-09	6.011E-01	2.229E-01	2.023E-08	3.103E-07
4.900E+03	6.904E-07	1.376E-06	1.728E-05	6.364E-04	2.959E-09	6.330E-01	1.948E-01	2.737E-08	4.694E-07
5.000E+03	7.085E-07	1.080E-06	1.608E-05	6.892E-04	2.809E-09	6.617E-01	1.694E-01	3.630E-08	6.890E-07
5.200E+03	1.411E-06	6.589E-07	1.362E-05	7.954E-04	2.483E-09	7.098E-01	1.266E-01	6.063E-08	1.359E-06
5.400E+03	2.657E-06	3.966E-07	1.135E-05	8.958E-04	2.154E-09	7.462E-01	9.376E-02	9.543E-08	2.563E-06
5.600E+03	4.769E-06	2.398E-07	9.353E-06	9.895E-04	1.845E-09	7.726E-01	6.931E-02	1.430E-07	6.596E-06
5.800E+03	8.206E-06	1.644E-07	7.677E-06	1.356E-03	1.967E-09	7.910E-01	5.139E-02	2.059E-07	7.885E-06
6.000E+03	1.361E-05	8.895E-08	6.245E-06	1.154E-03	1.322E-09	8.033E-01	3.834E-02	2.866E-07	1.301E-05
6.200E+03	2.181E-05	5.610E-08	5.116E-06	1.222E-03	1.109E-09	8.109E-01	2.885E-02	3.079E-07	2.072E-05
6.400E+03	3.409E-05	3.546E-08	4.175E-06	1.279E-03	9.246E-10	8.187E-01	2.191E-02	5.110E-07	3.199E-05
6.600E+03	5.183E-05	2.266L-08	3.904E-06	1.323E-03	7.647E-10	8.17E-01	1.681E-02	6.592E-07	4.801E-05
6.800E+03	7.705E-05	1.646E-08	2.772E-06	1.356E-03	6.267E-10	8.146E-01	1.302E-02	8.340E-07	7.022E-05
7.000E+03	1.120E-04	9.541E-09	2.522E-06	1.368E-03	5.080E-10	8.113E-01	1.019E-02	1.037E-04	1.003E-04
7.200E+03	1.598E-04	6.267E-09	1.824E-06	1.366E-03	4.066E-10	8.068E-01	8.043E-03	1.269E-06	1.402E-04
7.400E+03	2.241E-04	4.143E-09	1.572E-06	1.347E-03	3.209E-10	8.012E-01	6.410E-03	1.531E-06	1.923E-04
7.600E+03	3.090E-04	2.754E-09	1.163E-06	1.312E-03	2.495E-10	7.949E-01	5.155E-03	1.826E-06	2.590E-04
7.800E+03	4.198E-04	1.840E-09	9.469E-07	1.262E-03	1.910E-10	7.884E-01	4.105E-03	2.156E-06	3.436E-04
8.000E+03	5.621E-04	1.236E-05	7.532E-07	1.201E-03	1.441E-10	7.819E-01	3.429E-03	2.523E-06	4.495E-04
8.200E+03	7.426E-04	8.347E-10	6.005E-07	1.130E-03	1.073E-10	7.750E-01	2.036E-03	2.932E-06	5.807E-04
8.400E+03	9.687E-04	5.676E-10	4.767E-07	1.056E-03	7.896E-11	7.702E-01	2.360E-03	3.308E-06	7.421E-04
8.600E+03	1.249E-03	3.888E-10	3.782E-07	9.752E-04	5.762E-11	7.652E-01	1.995E-03	3.897E-06	9.389E-04
8.800E+03	1.591E-03	2.668E-10	3.003E-07	8.971E-04	4.182E-11	7.609E-01	1.696E-03	4.462E-06	1.177E-03
9.000E+03	2.070E-03	1.872E-10	2.389E-07	8.218E-04	3.027E-11	7.573E-01	1.453E-03	5.008E-06	1.463E-03
9.200E+03	2.504E-03	1.317E-10	1.907E-07	7.507E-04	2.191E-11	7.541E-01	1.254E-03	5.701E-06	1.804E-03
9.400E+03	3.100E-03	9.359E-11	1.528E-07	6.867E-04	1.580E-11	7.514E-01	1.089E-03	6.542E-06	2.208E-03
9.600E+03	3.805E-03	6.711E-11	1.230E-07	6.246E-04	1.157E-11	7.489E-01	9.524E-04	7.375E-06	2.683E-03
9.800E+03	4.626E-03	4.866E-11	9.942E-07	5.691E-04	8.461E-12	7.466E-01	6.371E-04	2.822E-06	3.237E-03
1.000E+04	5.585E-03	3.559E-11	8.078E-08	5.193E-04	6.226E-12	7.444E-01	7.394E-04	9.264E-06	3.879E-03
1.100E+04	1.294E-02	8.456E-12	7E-08	3.347E-04	1.474E-12	7.320E-01	4.212E-04	1.530E-05	8.759E-03
1.200E+04	2.609E-02	2.301E-12	1E-08	2.221E-04	3.990E-13	7.130E-01	2.559E-04	2.304E-05	1.737E-02
1.300E+04	4.699E-02	7.264E-13	5.0E-08	1.490E-04	1.178E-13	6.830E-01	1.605E-04	3.191E-05	3.102E-02
1.400E+04	7.706E-02	2.320E-13	2.495E-09	9.883E-05	3.570E-14	6.413E-01	1.013E-04	4.060E-05	5.073E-02
1.500E+04	1.145E-01	7.316E-14	1.085E-09	6.351E-05	1.057E-14	5.895E-01	6.292E-05	4.702E-05	7.692E-02
1.600E+04	1.640E-01	2.183E-14	4.479E-10	3.804E-05	2.934E-15	5.170E-01	3.780E-05	5.170E-05	1.091E-01
1.700E+04	2.136E-01	5.977E-15	1.718E-10	2.232E-05	7.404E-16	4.619E-01	2.146E-05	5.181E-05	1.457E-01
1.800E+04	2.649E-01	1.477E-15	6.080E-11	1.209E-05	1.675E-16	3.636E-01	1.171E-05	4.761E-05	1.842E-01
1.900E+04	3.190E-01	3.296E-15	1.969E-11	6.050E-06	3.414E-17	2.091E-01	5.990E-06	4.033E-05	2.216E-01
2.000E+04	3.618E-01	6.760E-17	5.981E-12	2.900E-06	6.403E-18	2.233E-01	2.915E-06	3.207E-05	2.553E-01
2.100E+04	3.965E-01	1.305E-17	1.760E-12	1.345E-06	1.164E-18	1.690E-01	1.369E-06	2.418E-05	2.836E-01
2.200E+04	4.232E-01	2.476E-18	4.984E-13	6.150E-07	2.020E-19	1.266E-01	6.307E-07	1.755E-05	3.060E-01
2.300E+04	4.430E-01	4.747E-19	1.440E-13	2.429E-07	3.645E-20	9.473E-02	2.900E-07	1.246E-09	3.230E-01
2.400E+04	4.754E-01	9.453E-20	4.201E-14	1.322E-07	6.883E-21	7.130E-02	1.346E-07	8.755E-06	3.356E-01
2.500E+04	4.679E-01	1.987E-20	1.325E-14	6.331E-08	1.300E-21	5.435E-02	6.414E-08	6.153E-06	3.447E-01
2.600E+04	4.775E-01	6.445E-21	2.494E-15	3.119E-08	2.950E-22	4.203E-02	3.133E-08	4.350E-06	3.512E-01
2.700E+04	4.815E-01	1.002E-21	1.461E-15	1.503E-08	6.700E-23	3.304E-02	1.578E-08	3.105E-06	3.559E-01
2.800E+04	4.846E-01	2.709E-22	5.212E-16	8.255E-09	1.656E-23	2.641E-02	8.197E-09	2.243E-06	3.589E-01
2.900E+04	4.903E-01	7.341E-23	1.943E-16	6.414E-09	4.204E-24	2.145E-02	4.394E-09	1.600E-06	3.608E-01
3.000E+04	4.941E-01	2.103E-23	7.528E-17	2.410E-09	1.163E-24	1.769E-02	2.427E-09	1.214E-06	3.617E-01
3.100E+04	4.980E-01	6.325E-24	3.016E-17	1.338E-09	3.281E-25	1.479E-02	1.379E-09	9.101E-07	3.617E-01
3.200E+04	5.022E-01	1.904E-24	1.242E-17	7.508E-10	9.521E-26	1.253E-02	8.051E-10	6.897E-07	3.608E-01
3.300E+04	5.366E-01	6.446E-25	5.223E-18	4.242E-10	2.014E-26	1.076E-02	6.433E-10	5.283E-07	3.592E-01
3.400E+04	5.117E-01	2.156E-25	2.234E-18	4.203E-10	6.404E-27	9.303E-03	2.953E-10	4.088E-07	3.589E-01
3.500E+04	5.168E-01	7.392E-26	9.687E-19	1.362E-10	2.521E-27	8.132E-03	1.849E-10	3.194E-07	3.543E-01
3.600E+04	5.219E-01	2.590E-26	4.244E-19	7.705E-11	7.574E-28	7.169E-03	1.102E-10	2.520E-07	3.514E-01
3.700E+04	5.266E-01	9.259E-27	1.878E-19	6.355E-11	2.279E-28	6.367E-03	7.694E-11	2.006E-07	3.465E-01
3.800E+04	5.313E-01	3.377E-27	8.402E-20	2.462E-11	6.884E-29	5.693E-03	9.102E-11	1.614E-07	3.478E-01
3.900E+04	5.354E-01	1.239E-27	3.804E-20	1.395E-11	2.095E-29	5.122E-03	3.440E-11	1.310E-07	3.433E-01
4.000E+04	5.389E-01	4.789E-28	1.766E-20	7.937E-12	6.449E-30	4.633E-03	2.356E-11	1.073E-17	3.412E-01
4.100E+04	5.420E-01	1.865E-28	8.132E-21	4.346E-12	2.016E-30	4.216E-03	1.637E-11	8.875E-38	3.303E-01
4.200E+04	5.466E-01	7.439E-29	3.850E-21	2.023E-12	6.195E-31	3.049E-03	1.154E-11	7.1E-08	3.377E-01
4.300E+04	5.466E-01	3.037E-29	1.854E-21	1.520E-12	2.007E-31	3.531E-03	8.242E-12	6.771E-08	3.303E-01
4.400E+04	5.488E-01	1.270E-29	9.079E-22	8.985E-13	0.	3.251E-03	5.953E-12	5.210E-08	3.351E-01
4.500E+04	5								

TABLE II.- Continued

M-	N-	Nz	N2+	N3-	N4+	N5-	N6+	N7-	N8+	N9-	N10+	T
2.294E-12	1.651E-05	2.381E-01	1.102E-12	2.871E-15	8.003E-17	0.	0.	0.	0.	0.	0.	3.000E+03
5.505E-12	2.675E-05	2.351E-01	2.544E-12	9.241E-15	2.761E-16	0.	0.	0.	0.	0.	0.	3.500E+03
1.250E-11	4.213E-05	2.318E-01	9.336E-12	2.792E-14	8.777E-16	0.	0.	0.	0.	0.	0.	3.400E+03
2.698E-11	6.472E-05	2.281E-01	1.076E-11	7.961E-14	2.610E-15	0.	0.	0.	0.	0.	0.	3.700E+03
5.550E-11	9.705E-05	2.239E-01	2.093E-11	2.152E-13	7.297E-15	0.	0.	0.	0.	0.	0.	3.800E+03
1.091E-10	1.424E-04	2.194E-01	3.999E-11	5.539E-13	1.926E-14	0.	0.	0.	0.	0.	0.	3.900E+03
2.057E-10	2.046E-04	2.145E-01	7.148E-11	1.363E-12	4.821E-14	0.	0.	0.	0.	0.	0.	4.000E+03
3.725E-10	2.886E-04	2.096E-01	1.275E-10	3.216E-12	1.169E-13	0.	0.	0.	0.	0.	0.	4.100E+03
6.447E-10	3.999E-04	2.041E-01	2.209E-10	7.302E-12	2.413E-13	0.	0.	0.	0.	0.	0.	4.200E+03
1.093E-09	5.454E-04	1.987E-01	3.723E-10	1.460E-11	5.656E-13	0.	0.	0.	0.	0.	0.	4.300E+03
1.780E-09	7.327E-04	1.933E-01	6.153E-10	3.394E-11	1.192E-12	0.	0.	0.	0.	0.	0.	4.400E+03
2.807E-09	9.711E-04	1.880E-01	9.969E-10	6.983E-11	2.405E-12	0.	0.	0.	0.	0.	0.	4.500E+03
4.297E-09	1.271E-03	1.829E-01	1.586E-09	1.397E-10	9.686E-12	0.	0.	0.	0.	0.	0.	4.600E+03
6.398E-09	1.666E-03	1.779E-01	2.442E-09	2.721E-10	8.839E-12	0.	0.	0.	0.	0.	0.	4.700E+03
9.245E-09	2.104E-03	1.732E-01	3.826E-09	9.176E-10	1.618E-11	0.	0.	0.	0.	0.	0.	4.800E+03
1.316E-08	2.666E-03	1.689E-01	5.815E-09	9.613E-10	2.895E-11	0.	0.	0.	0.	0.	0.	4.900E+03
1.824E-08	3.346E-03	1.648E-01	6.721E-09	1.748E-09	5.030E-11	0.	0.	0.	0.	0.	0.	5.000E+03
3.304E-08	5.149E-03	1.577E-01	1.840E-08	5.440E-09	1.415E-10	0.	0.	0.	0.	0.	0.	5.200E+03
5.557E-08	7.662E-03	1.515E-01	3.912E-08	1.571E-08	3.666E-10	0.	0.	0.	0.	0.	0.	5.400E+03
8.966E-08	1.115E-02	1.460E-01	7.747E-08	4.236E-08	8.794E-10	0.	0.	0.	0.	0.	0.	5.600E+03
1.372E-07	1.576E-02	1.407E-01	1.466E-07	1.071E-07	1.978E-09	0.	0.	0.	0.	0.	0.	5.800E+03
2.020E-07	2.175E-02	1.354E-01	2.670E-07	2.551E-07	9.195E-09	1.932E-25	0.	0.	0.	0.	0.	6.000E+03
2.879E-07	2.931E-02	1.297E-01	4.653E-07	5.739E-07	8.424E-09	1.860E-24	0.	0.	0.	0.	0.	6.200E+03
3.990E-07	5.662E-02	1.234E-01	7.778E-07	1.224E-06	1.610E-08	1.552E-23	0.	0.	0.	0.	0.	6.400E+03
5.398E-07	9.497E-02	1.162E-01	1.247E-06	2.492E-06	2.938E-08	1.135E-22	0.	0.	0.	0.	0.	6.600E+03
7.149E-07	1.277E-02	1.083E-01	1.919E-06	4.797E-06	5.133E-08	7.339E-22	0.	0.	0.	0.	0.	6.800E+03
9.290E-07	7.748E-02	9.943E-02	2.832E-06	8.857E-06	8.600E-08	4.232E-21	0.	0.	0.	0.	0.	7.000E+03
1.187E-06	9.363E-02	8.988E-02	4.012E-06	1.565E-05	3.088E-07	2.194E-20	0.	0.	0.	0.	0.	7.200E+03
1.496E-06	1.108E-01	7.983E-02	5.455E-06	2.653E-06	2.157E-07	1.029E-19	0.	0.	0.	0.	0.	7.400E+03
1.854E-06	1.284E-01	6.458E-02	7.123E-06	4.323E-05	3.232E-07	4.398E-19	0.	0.	0.	0.	0.	7.600E+03
2.476E-06	1.459E-01	5.446E-02	6.949E-06	6.742E-05	4.681E-07	1.723E-18	0.	0.	0.	0.	0.	7.800E+03
2.757E-06	1.625E-01	4.943E-02	1.081E-05	1.027E-04	6.562E-07	6.229E-18	0.	0.	0.	0.	0.	8.000E+03
3.340E-06	1.778E-01	4.099E-02	1.261E-05	1.509E-04	8.921E-07	2.389E-17	0.	0.	0.	0.	0.	8.200E+03
3.934E-06	1.913E-01	3.316E-02	1.426E-05	2.140E-05	1.179E-06	6.344E-17	0.	0.	0.	0.	0.	8.400E+03
4.637E-06	2.128E-01	2.646E-02	1.567E-05	2.963E-06	1.519E-06	1.924E-16	0.	0.	0.	0.	0.	8.600E+03
5.423E-06	2.124E-01	2.384E-02	1.681E-05	4.003E-06	1.912E-06	5.343E-16	0.	0.	0.	0.	0.	8.800E+03
6.255E-06	2.201E-01	1.631E-02	1.768E-05	5.296E-04	2.360E-06	1.408E-15	0.	0.	0.	0.	0.	9.000E+03
7.256E-06	2.261E-01	1.276E-02	1.629E-05	6.877E-04	1.801E-06	3.537E-15	0.	0.	0.	0.	0.	9.200E+03
8.308E-06	2.307E-01	9.933E-03	1.686E-05	8.766E-04	3.417E-06	8.509E-15	0.	0.	0.	0.	0.	9.400E+03
9.453E-06	2.341E-01	7.733E-03	1.892E-05	1.107E-03	4.027E-06	1.967E-14	0.	0.	0.	0.	0.	9.600E+03
1.049E-05	2.366E-01	6.037E-03	1.900E-05	1.377E-03	6.691E-06	4.386E-14	0.	0.	0.	0.	0.	9.800E+03
1.202E-05	2.384E-01	6.727E-03	8.987E-05	1.696E-03	5.410E-06	9.452E-14	0.	0.	0.	0.	0.	1.000E+04
1.955E-05	2.399E-01	1.485E-03	7.866E-05	4.182E-03	9.777E-06	2.883E-12	0.	0.	0.	0.	0.	1.100E+04
2.949E-05	2.337E-01	5.274E-04	1.601E-05	8.710E-03	1.513E-05	4.405E-11	0.	0.	0.	0.	0.	1.200E+04
3.941E-05	2.218E-01	2.041E-04	1.383E-05	1.598E-02	2.070E-05	5.446E-10	6.232E-25	0.	0.	0.	0.	0.
4.794E-05	2.342E-01	8.331E-05	1.142E-05	2.635E-02	2.933E-05	4.299E-09	7.647E-23	0.	0.	0.	0.	0.
5.333E-05	1.411E-01	3.467E-05	9.820E-06	3.962E-02	2.707E-05	2.500E-08	8.462E-21	0.	0.	0.	0.	0.
5.424E-05	1.540E-01	1.432E-05	6.542E-06	5.490E-02	2.765E-05	1.236E-07	1.927E-19	0.	0.	0.	0.	0.
5.951E-05	1.252E-01	5.753E-06	4.646E-06	7.057E-02	2.648E-05	4.917E-07	5.162E-18	0.	0.	0.	0.	0.
4.320E-05	4.737E-02	2.229E-06	2.849E-06	6.525E-02	2.027E-05	1.675E-06	9.064E-17	0.	0.	0.	0.	0.
3.419E-05	7.287E-02	8.349E-06	1.711E-06	9.737E-02	1.525E-05	5.013E-06	1.430E-15	0.	0.	0.	0.	0.
4.532E-05	5.302E-02	3.001E-07	6.833E-07	1.065E-01	1.077E-05	1.349E-05	1.665E-14	0.	0.	0.	0.	0.
1.782E-05	3.798E-02	1.114E-07	5.515E-07	1.129E-01	7.266E-06	3.320E-05	1.583E-13	0.	0.	0.	0.	0.
1.212E-05	2.711E-02	4.150E-08	3.079E-07	1.706E-01	6.748E-06	7.586E-05	1.208E-12	0.	0.	0.	0.	0.
6.098E-06	1.944E-02	1.547E-08	1.728E-07	1.196E-01	3.119E-06	1.626E-04	8.710E-12	0.	0.	0.	0.	0.
5.380E-06	1.414E-02	6.304E-09	9.879E-08	1.212E-01	2.039E-06	3.298E-06	5.229E-11	0.	0.	0.	0.	0.
3.549E-06	1.494E-02	2.617E-09	5.767E-08	1.220F-01	1.364E-06	6.350E-06	2.769E-10	0.	0.	0.	0.	0.
2.419E-06	7.828E-02	1.133E-09	3.464E-08	1.221E-01	9.011E-07	1.168E-03	1.309E-09	0.	0.	0.	0.	0.
1.655E-06	5.946E-02	5.10CE-10	2.094E-08	1.216E-01	6.123E-07	2.057E-03	5.567E-09	0.	0.	0.	0.	0.
1.152E-06	4.603E-03	2.376E-10	1.295E-08	1.204E-01	4.221E-07	3.474E-03	2.167E-08	0.	0.	0.	0.	0.
8.170E-07	3.587E-03	1.139E-10	6.008E-09	1.182E-01	2.964E-07	5.634E-03	7.550E-08	0.	0.	0.	0.	0.
5.917E-07	2.816E-03	5.557E-11	5.071E-09	1.169E-01	2.077E-07	8.772E-03	2.431E-07	0.	0.	0.	0.	0.
4.371E-07	2.421E-03	2.742E-11	3.161E-09	1.102E-01	1.473E-07	1.310E-01	7.187E-07	0.	0.	0.	0.	0.
3.245E-07	1.740E-03	1.356E-11	1.954E-09	1.039E-01	1.046E-07	1.075E-02	1.957E-06	0.	0.	0.	0.	0.
2.533E-07	1.359E-03	6.662E-12	1.184E-09	9.623E-02	7.421E-08	2.570E-02	4.913E-06	0.	0.	0.	0.	0.
1.947E-07	1.351E-03	3.211E-12	6.998E-10	8.725E-02	5.236E-08	3.376E-02	1.145E-05	9.318E-13	0.	0.	0.	
1.588E-07	3.528E-05	4.026E-10	6.746E-02	3.665E-08	4.252E-02	2.400E-05	4.476E-12	3.900E+00	0.	0.	0.	
1.209E-07	6.067E-06	2.701E-13	2.254E-10	6.733E-02	2.544E-08	5.153E-05	5.025E-05	1.023E-11	3.600E+00	0.	0.	
1.063E-07	4.530E-06	3.314E-13	1.231E-10	5.747E-02	1.749E-08	6.028E-02	9.582E-05	7.692E-11	3.700E+00	0.	0.	
8.934E-08	3.350E-04	1.532E-13	6.542E-11	6.822E-02	1.194E-08	8.838E-02	1.732E-04	2.645E-10	3.800E+00	0.	0.	
7.556E-08	2.449E-04	6.746E-14	3.467E-11	4.005E-02	8.107E-09	7.555E-02	2.984E-04	8.763E-10	3.900E+00	0.	0.	
6.448E-08	1.796E-04	3.016E-14	1.800E-11	3.293E-02	5.488E-09	8.167E-02	4.933E-04	2.669E-09	4.000E+00	0.	0.	
5.631E-08	1.330E-04	1.349E-14	9.311E-12	2.690E-02	3.710E-09	8.664E-02	7.664E-04	7.639E-09	4.100E+00	0.	0.	
4.438E-08	3.528E-05	6.059E-15	6.877E-12	2.190E-02	2.513E-09	9.065E-02	1.214E-03	2.062E-08	4.200E+00	0.</		

TABLE II.- Continued

P/PO = 1.80E+01

T	E-	NH3	NH2	NH	N2M2	H	H2	H2+	H+
5.000E+02	0.	4.846E-01	1.589E-20	8.320E-35	1.328E-20	1.028E-21	3.865E-01	1.257E-10	1.327E-21
6.000E+02	0.	1.600E-01	2.509E-17	7.566E-29	1.480E-24	8.697E-18	6.330E-01	9.751E-19	4.36E-21
7.000E+02	0.	4.432E-02	3.385E-15	1.094E-26	7.158E-22	5.065E-15	7.148E-01	8.658E-19	1.230E-20
8.000E+02	0.	1.438E-02	1.189E-13	3.349E-21	6.362E-20	5.887E-13	7.392E-01	8.203E-19	2.891E-20
9.000E+02	0.	5.704E-03	1.846E-12	3.369E-19	2.010E-18	2.384E-11	7.657E-01	7.622E-19	9.659E-20
1.000E+03	0.	2.677E-03	1.625E-11	2.777E-17	3.152E-17	4.632E-10	7.480E-01	7.383E-19	9.548E-20
1.100E+03	0.	1.430E-03	9.625E-11	1.025E-15	2.992E-16	5.277E-09	7.489E-01	6.877E-19	1.435E-19
1.200E+03	0.	8.453E-04	4.214E-10	2.084E-14	1.955E-15	4.027E-08	7.494E-01	6.329E-19	1.970E-19
1.300E+03	0.	5.612E-04	1.667E-09	2.636E-13	9.598E-15	2.257E-07	7.496E-01	5.772E-19	2.522E-19
1.400E+03	0.	3.695E-04	4.269E-09	2.325E-12	3.765E-14	9.921E-07	7.497E-01	5.234E-19	3.062E-19
1.500E+03	3.495E-33	2.657E-04	1.077E-08	1.948E-11	1.235E-13	3.590E-06	7.498E-01	4.733E-19	3.567E-19
1.600E+03	8.024E-30	1.993E-04	2.418E-08	8.066E-11	3.500E-13	1.109E-05	7.498F-01	4.283E-19	4.027E-19
1.700E+03	7.569E-27	1.549E-04	4.938E-08	3.469E-10	8.806E-13	3.004E-05	7.499E-01	3.882E-19	4.438E-19
1.800E+03	3.395E-24	1.240E-04	9.312E-08	1.269E-09	2.004E-12	7.299E-05	7.498E-01	3.529E-19	4.800E-19
1.900E+03	8.121E-22	1.018E-04	1.663E-07	4.050E-09	4.179E-12	1.617E-06	7.498E-01	3.224E-19	5.123E-19
2.000E+03	1.011E-19	6.529E-05	2.737E-07	1.151E-08	6.164E-12	3.314E-04	7.498E-01	3.306E-19	6.041E-19
2.100E+03	2.533E-18	7.278E-05	4.345E-07	2.962E-08	1.495E-11	6.348E-04	7.494E-01	1.008E-18	2.249E-18
2.200E+03	2.211E-17	6.305E-05	6.611E-07	6.998E-08	2.399E-11	1.167E-03	7.488E-01	6.809E-18	1.984E-18
2.300E+03	1.454E-16	5.534E-05	9.694E-07	1.532E-07	4.295E-11	1.970E-03	7.482E-01	4.037E-17	1.043E-16
2.400E+03	8.117E-16	4.911E-05	1.376E-06	3.143E-07	6.824E-11	3.235E-03	7.471E-01	2.092F-16	5.990E-16
2.500E+03	3.948E-15	6.399E-05	1.897E-06	8.088E-07	1.045E-07	5.107E-03	7.459E-01	9.532E-16	2.963E-15
2.600E+03	1.704E-14	3.949E-05	2.549E-06	1.119E-06	1.958E-10	7.784E-07	7.432E-01	3.871E-15	1.306E-14
2.700E+03	6.611E-14	3.603E-05	3.344E-06	1.965E-06	2.225E-08	1.150E-02	7.399E-01	1.418E-14	5.166E-14
2.800E+03	2.332E-13	3.280E-05	4.296E-06	3.311E-06	3.113E-10	1.650E-02	7.355E-01	4.737E-14	1.854E-13
2.900E+03	7.552E-13	3.006E-05	5.404E-06	5.373E-06	4.264E-08	2.109E-02	7.298E-01	1.456E-13	6.100F-13
3.000E+03	2.264E-12	2.795E-05	6.675E-06	8.627E-06	5.650E-10	3.156E-02	7.224E-01	4.152E-13	1.855E-12
3.100E+03	6.326E-12	2.925E-05	8.099E-06	1.281E-06	7.355E-10	4.221E-02	7.130E-01	1.106E-12	5.253E-12
3.200E+03	1.659E-11	2.313E-05	9.661E-06	1.892E-05	3.371E-10	5.534E-02	7.015E-01	2.765E-12	1.394E-11
3.300E+03	4.102E-11	2.114E-05	1.134E-05	2.719E-05	1.710E-09	7.122E-02	6.878E-01	6.528E-12	3.489E-11
3.400E+03	9.619E-11	1.925E-05	1.309E-05	3.813E-05	1.431E-09	9.009E-02	6.711E-01	1.461E-11	6.269E-11
3.500E+03	2.147E-10	1.745E-05	1.489E-05	5.222E-05	1.717E-09	1.121E-01	6.519E-01	3.111E-11	1.065E-10
3.600E+03	4.541E-10	1.573E-05	1.687E-05	6.996E-05	2.021E-09	1.374E-01	6.297E-01	6.339E-11	4.010E-10
3.700E+03	9.373E-10	1.403E-05	1.838E-05	9.179E-05	2.335E-09	1.658E-01	6.048E-01	1.236E-10	8.297E-10
3.800E+03	1.084E-09	1.250E-05	1.996E-05	1.810E-04	2.648E-09	1.974E-01	5.771E-01	2.315E-10	1.667E-09
3.900E+03	3.531E-09	1.100E-05	2.193E-05	1.490E-04	2.950E-09	2.319E-01	5.469E-01	4.174E-10	3.153E-09
4.000E+03	6.425E-09	9.582E-06	2.251E-05	1.848E-04	3.227E-09	2.689E-01	5.145E-01	7.259E-10	5.892E-09
4.100E+03	1.163E-08	8.263E-06	2.338E-05	2.252E-04	3.469E-09	3.080E-01	4.803E-01	1.220E-09	1.045E-08
4.200E+03	1.973E-08	7.046E-06	2.393E-05	2.701E-04	3.667E-09	3.486E-01	4.464E-01	1.987E-09	1.817E-08
4.303E+03	3.315E-08	5.946E-06	2.416E-05	3.190E-04	3.813E-09	3.898E-01	4.046E-01	3.137E-09	3.073E-08
4.400E+03	5.427E-08	4.960E-06	3.713E-04	3.904E-09	4.312E-01	3.722E-01	4.811E-01	5.062E-08	
4.500E+03	8.673E-08	6.093E-06	3.265E-05	4.245E-04	3.939E-09	4.721E-01	3.364E-01	7.179E-09	8.135E-08
4.600E+03	1.355E-07	3.343E-06	2.297E-05	4.836E-04	3.920E-09	5.116E-01	3.014E-01	1.064E-08	1.277E-07
4.700E+03	2.072E-07	2.703E-06	2.205E-05	5.421E-04	3.227E-09	5.496E-01	2.684E-01	1.802E-08	1.963E-07
4.800E+03	3.107E-07	2.167E-06	2.096E-05	6.012E-04	3.753E-09	5.807E-01	2.373E-01	2.055E-08	2.495E-07
4.900E+03	4.573E-07	1.725E-06	1.974E-05	6.604E-04	3.604E-09	6.174E-01	2.095E-01	2.792E-08	4.364E-07
5.000E+03	6.151E-07	1.364E-06	1.844E-05	7.191E-04	3.435E-09	6.471E-01	1.822E-01	3.718E-08	6.333E-07
5.200E+03	1.320E-06	8.410E-07	1.570E-05	8.334E-04	3.067E-09	6.976E-01	1.375E-01	4.250E-08	5.062E-08
5.400E+03	2.491E-06	5.137E-07	1.324E-05	9.420E-04	2.679E-09	7.361E-01	1.027E-01	9.911E-08	2.349E-06
5.600E+03	4.676E-06	3.136E-07	1.098E-05	1.044E-03	2.308E-09	7.664E-01	7.639E-02	1.493E-07	6.309E-06
5.800E+03	7.710E-06	1.925E-07	9.047E-06	1.137E-03	1.970E-09	7.850E-01	5.693E-02	2.199E-07	7.404E-06
6.000E+03	1.200E-05	1.193E-07	6.472E-06	1.222E-03	1.670E-09	7.988E-01	4.756E-02	3.014E-07	1.223E-05
6.200E+03	2.056E-05	7.480E-06	8.087E-06	1.297E-03	1.401E-09	8.077E-01	3.220E-02	4.086E-07	1.950E-05
6.400E+03	3.200E-05	6.747E-06	4.985E-06	1.361E-03	1.178E-09	8.126E-01	2.452E-02	5.401E-07	3.014E-05
6.600E+03	6.374E-05	3.049E-05	6.079E-06	1.612E-03	9.787E-10	8.146E-01	1.885E-02	6.981E-07	4.927E-05
6.800E+03	7.246E-05	1.970E-08	3.333E-06	1.446E-03	3.064E-09	8.139E-01	1.463E-02	8.047E-07	6.626E-05
7.000E+03	1.054E-04	1.295E-08	2.717E-06	1.647E-03	6.576E-10	8.114E-01	1.164E-02	1.101E-06	9.470E-05
7.200E+03	1.505E-04	8.546E-09	2.209E-06	1.470E-03	5.205E-10	8.073E-01	9.041E-03	1.350E-06	1.325E-04
7.400E+03	2.139E-04	5.675E-09	1.790E-06	1.455E-03	4.202E-10	8.022F-01	7.224E-03	1.631E-06	1.810E-04
7.600E+03	2.099E-04	2.995E-09	1.642E-06	3.294E-03	7.962E-10	7.151E-01	5.819E-03	1.946E-06	2.450E-04
7.800E+03	3.952E-04	2.546E-09	1.612E-06	3.176E-03	2.545E-09	7.899E-01	4.724E-03	2.299E-04	3.751E-04
8.000E+03	5.292E-04	1.718E-09	9.304E-07	1.312E-03	1.936E-10	7.835E-01	3.874E-03	2.691E-04	4.253E-04
8.200E+03	6.932E-04	1.164E-09	6.429E-07	1.240E-03	1.453E-10	7.774E-01	3.204E-03	3.127E-04	5.494E-04
8.400E+03	9.121E-04	7.917E-09	1.255E-07	1.161E-03	1.070E-10	7.717E-01	2.675E-03	3.013E-04	7.019E-04
8.600E+03	1.174E-03	5.662E-10	6.714E-07	1.074E-03	7.920E-11	7.666E-01	2.293E-03	4.153E-04	8.078E-04
8.800E+03	1.699E-03	3.784E-10	3.715E-07	9.953E-04	5.791E-11	7.622E-01	1.914E-03	4.792E-04	1.113E-03
9.000E+03	1.091E-03	2.644E-10	2.995E-07	9.143E-04	4.215E-11	7.506E-01	1.659E-03	5.417E-04	1.503E-03
9.200E+03	2.361E-03	1.866E-10	2.396E-07	8.372E-04	3.065E-11	7.551E-01	1.414E-03	6.151E-04	1.704E-03
9.400E+03	2.922E-03	1.327E-10	3.252E-07	1.135E-04	2.232E-11	7.522E-01	1.228E-03	6.958E-04	2.085E-03
9.600E+03	3.584E-03	9.534E-11	1.550E-07	6.987E-04	1.630E-11	7.497E-01	1.074E-03	7.042E-04	2.533E-03
9.800E+03	4.361E-03	6.917E-11	1.255E-07	6.380E-04	1.196E-11	7.476E-01	9.433E-04	8.004E-04	3.055E-03
1.000E+04	5.265E-03	5.026E-11	1.021E-07	5.828E-04	8.421E-12	7.452E-01	8.315E-04	9.064E-04	1.661E-03
1.100E+04	1.221E-02	1.210E-11	3.866E-08	3.772E-04	2.107E-12	7.331E-01	6.752E-04	1.627E-05	8.264E-03
1.200E+04	2.463E-02	3.402E-12	1.632E-04	2.513E-04	5.700E-13	7.151E-01	2.849E-04	2.697E-05	1.640E-02
1.300E+04	6.443E-02	1.058E-12	7.224E-09	1.696E-06	1.718E-13	6.872E-01	1.825E-04	3.411E-05	2.932E-02
1.400E+04	7.300E-02	3.632E-13	3.252E-09	1.135E-04	5.293E-14	6.670E-01	1.160E-04	4.371E-05	4.802E-02
1.500E+04	1.107E-01	1.106E-							

TABLE II.- Continued

P/PD = 1.80E+01

H+	N	N2	N2+	N+	N-	N0	N0+	N0++	N0+++	T
0.	0.	1.238E-01	6.066E-21	0.	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.130E-01	8.397E-21	0.	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.716E-01	2.349E-01	1.127E-20	0.	0.	0.	0.	0.	7.000E+02
0.	0.	2.122E-01	2.464E-01	1.461E-20	0.	0.	0.	0.	0.	8.000E+02
0.	0.	6.022E-26	2.486E-01	1.766E-20	0.	0.	0.	0.	0.	9.000E+02
0.	0.	6.424E-21	2.496E-01	2.167E-20	0.	0.	0.	0.	0.	1.000E+03
0.	0.	4.363E-19	2.498E-01	2.249E-20	1.249E-33	0.	0.	0.	0.	1.000E+03
0.	0.	1.970E-17	2.499E-01	2.265E-20	2.277E-32	0.	0.	0.	0.	1.200E+03
0.	0.	4.613E-16	2.499E-01	2.230E-20	2.450E-31	0.	0.	0.	0.	1.300E+03
0.	0.	7.100E-15	2.499E-01	2.162E-20	2.520E-30	0.	0.	0.	0.	1.400E+03
0.	0.	7.684E-14	2.499E-01	2.073E-20	1.425E-29	0.	0.	0.	0.	1.500E+03
0.	0.	4.307E-12	2.500E-01	1.975E-20	3.303E-28	0.	0.	0.	0.	1.600E+03
0.	0.	6.551E-11	2.500E-01	1.976E-20	7.187E-29	0.	0.	0.	0.	1.700E+03
3.026E-27	0.	3.077E-12	2.500E-01	1.875E-20	3.030E-28	0.	0.	0.	0.	1.800E+03
1.931E-24	0.	2.325E-11	2.500E-01	1.779E-21	1.074E-27	0.	0.	0.	0.	1.900E+03
6.73ME-21	0.	1.761E-10	2.499E-01	1.885E-20	3.757E-27	0.	0.	0.	0.	2.000E+03
7.651E-04	0.	4.196E-04	2.498E-01	4.102E-19	6.446E-25	3.750E-27	0.	0.	0.	2.200E+03
6.649E-17	0.	4.540E-04	2.497E-01	2.674E-18	9.602E-24	7.210E-26	0.	0.	0.	2.300E+03
4.706E-18	0.	1.306E-04	2.496E-01	1.314E-17	1.158E-22	1.065E-24	0.	0.	0.	2.400E+03
2.024E-17	0.	3.430E-04	2.493E-01	6.126E-17	1.148E-21	1.265E-23	0.	0.	0.	2.500E+03
1.474E-16	0.	8.392E-04	2.490E-01	5.356E-16	9.585E-21	1.260E-22	0.	0.	0.	2.600E+03
6.793E-16	0.	1.904E-07	2.488E-01	9.430E-16	6.820E-20	1.025E-21	0.	0.	0.	2.700E+03
2.941E-15	0.	4.393E-07	2.479E-01	3.204E-15	4.234E-19	7.275E-21	0.	0.	0.	2.800E+03
1.045E-14	0.	8.345E-07	2.471E-01	1.033E-14	2.321E-18	4.502E-20	0.	0.	0.	2.900E+03
3.503E-14	0.	1.622E-06	2.464E-01	2.927E-16	1.130E-17	2.662E-19	0.	0.	0.	3.000E+03
1.117E-13	0.	3.014E-06	2.464E-01	1.947E-16	5.041E-17	1.204E-18	0.	0.	0.	3.100E+03
3.250E-13	0.	7.043E-06	2.431E-01	2.029E-13	2.038E-16	9.315E-18	0.	0.	0.	3.200E+03
6.623E-13	0.	3.239E-06	2.411E-01	4.900E-13	7.084E-16	2.115E-17	0.	0.	0.	3.300E+03
2.240E-12	0.	1.538E-05	2.387E-01	1.125E-12	2.416E-15	7.935E-17	0.	0.	0.	3.400E+03
5.430E-12	0.	2.270E-05	2.359E-01	2.663E-14	8.423E-15	2.702E-16	0.	0.	0.	3.500E+03
1.222E-11	0.	3.172E-05	2.324E-01	4.165E-12	2.545E-14	8.594E-16	0.	0.	0.	3.600E+03
2.655E-11	0.	6.117E-05	2.292E-01	1.045E-11	7.257E-14	2.558E-15	0.	0.	0.	3.700E+03
5.471E-11	0.	1.176E-05	2.252E-01	2.016E-11	1.561E-13	7.157E-15	0.	0.	0.	3.800E+03
1.078E-10	0.	1.347E-04	2.208E-01	3.820E-11	5.040E-13	1.891E-14	0.	0.	0.	3.900E+03
2.037E-10	0.	1.746E-04	2.162E-01	4.972E-11	1.241E-12	4.764E-14	0.	0.	0.	4.000E+03
3.700E-10	0.	2.732E-04	2.112E-01	1.237E-10	2.929E-12	1.131E-13	0.	0.	0.	4.100E+03
6.473E-10	0.	7.078E-04	2.061E-01	2.135E-10	6.647E-12	2.576E-13	0.	0.	0.	4.200E+03
1.093E-09	0.	5.048E-04	2.008E-01	3.011E-10	1.450E-11	5.621E-13	0.	0.	0.	4.300E+03
1.766E-05	0.	6.746E-04	1.955E-01	5.965E-10	3.057E-11	1.175E-12	0.	0.	0.	4.400E+03
2.427E-04	0.	2.304E-04	1.932E-01	6.859E-10	6.362E-11	2.381E-12	0.	0.	0.	4.500E+03
4.455E-09	0.	1.205E-03	1.850E-01	1.536E-09	1.207E-10	4.665E-12	0.	0.	0.	4.600E+03
6.456E-04	0.	1.959E-03	1.801E-01	2.401F-09	2.466E-10	8.775E-12	0.	0.	0.	4.700E+03
9.465E-04	0.	1.936E-03	1.754E-01	3.656E-09	4.683E-10	1.608E-11	0.	0.	0.	4.800E+03
1.346E-08	0.	2.572E-03	1.709E-01	5.605E-09	8.691E-10	2.881E-11	0.	0.	0.	4.900E+03
1.813E-08	0.	1.688E-03	1.686E-01	8.395E-09	1.578E-09	5.010E-11	0.	0.	0.	5.000E+03
3.417E-08	0.	4.041E-03	1.593E-01	1.815E-08	4.894E-09	1.412E-10	0.	0.	0.	5.200E+03
5.822E-06	0.	7.278E-03	1.530E-01	3.747E-08	1.822E-08	3.656E-10	0.	0.	0.	5.400E+03
9.371E-04	0.	1.759E-02	1.473E-01	7.040E-08	3.800E-08	8.794E-10	0.	0.	0.	5.600E+03
1.434E-03	0.	1.493E-02	1.423E-01	1.602E-07	9.597E-08	1.983E-09	0.	0.	0.	5.800E+03
2.167E-02	0.	2.066E-02	1.367E-01	2.546E-07	2.246E-07	4.203E-09	1.636E-23	0.	0.	6.000E+03
3.335E-07	0.	2.778E-02	1.310E-01	4.644E-07	5.1318E-07	8.450E-09	1.574E-24	0.	0.	6.200E+03
6.213E-07	0.	3.623E-02	1.274E-01	7.634E-07	1.0077E-06	1.617E-09	1.314E-23	0.	0.	6.400E+03
9.737E-07	0.	4.727E-02	1.174E-01	1.195E-06	2.276E-06	2.955E-08	9.612E-23	0.	0.	6.600E+03
7.545E-07	0.	1.022E-01	1.022E-01	1.846E-06	4.309E-06	5.171E-08	6.224E-22	0.	0.	6.800E+03
4.945E-07	0.	7.384E-02	1.016E-01	7.734E-06	7.972E-06	8.691E-08	3.597E-21	0.	0.	7.000E+03
1.255E-06	0.	4.444E-02	9.252E-02	3.842E-06	1.613E-05	1.605E-07	1.469E-20	0.	0.	7.200E+03
1.566E-06	0.	1.626E-01	8.253E-02	5.322E-05	2.4021E-05	2.109E-07	0.796E-20	0.	0.	7.400E+03
1.967E-06	0.	1.235E-01	7.442E-02	7.030E-06	3.924E-05	3.293E-07	3.772E-19	0.	0.	7.600E+03
2.613E-06	0.	1.473E-01	6.236E-02	8.858E-06	8.183E-05	4.787E-07	1.683E-18	0.	0.	7.800E+03
2.942E-06	0.	1.575E-01	5.268E-02	1.079E-01	9.432E-05	6.731E-07	5.304E-18	0.	0.	8.000E+03
3.515E-06	0.	1.711E-01	4.470E-02	1.270E-05	1.383E-05	9.195E-07	1.813E-17	0.	0.	8.200E+03
4.115E-06	0.	1.760E-01	3.766E-02	1.644E-05	1.915E-05	1.221E-06	5.700E-17	0.	0.	8.400E+03
4.922E-06	0.	1.843E-01	2.605E-02	1.602E-05	2.764E-06	1.579E-06	1.682E-16	0.	0.	8.600E+03
5.745E-06	0.	2.211E-01	1.730E-02	1.730E-05	1.711E-06	1.995E-06	6.685E-16	0.	0.	8.800E+03
6.662E-06	0.	2.171E-01	1.745E-02	1.630E-05	4.454E-06	2.474E-06	1.233E-15	0.	0.	9.000E+03
7.702E-06	0.	2.293E-01	1.474E-02	1.043E-05	5.642E-06	4.787E-07	1.683E-18	0.	0.	9.200E+03
8.818E-06	0.	2.489E-01	1.133E-02	1.953E-05	8.223E-06	3.594E-06	7.512E-15	0.	0.	9.400E+03
1.003E-05	0.	3.212E-01	8.585E-03	1.483E-05	1.638E-05	4.244E-06	1.739E-14	0.	0.	9.600E+03
1.135E-05	0.	2.395E-01	6.779E-03	1.987E-05	1.293E-05	6.452E-06	3.808E-14	0.	0.	9.800E+03
1.278E-05	0.	2.470E-01	5.281E-03	1.494E-05	1.592E-05	5.711E-06	8.374E-14	0.	0.	1.000E+04
1.420E-05	0.	2.379E-01	1.677E-03	1.846E-05	3.464E-05	1.034E-05	2.543E-12	0.	0.	1.100E+04
1.542E-05	0.	2.364E-01	5.470E-06	1.706E-05	8.233E-05	1.612E-05	4.30CE-11	0.	0.	1.200E+04
1.621E-05	0.	2.437E-01	1.407E-05	1.482E-05	5.642E-04	2.216E-05	4.065E-13	5.212E-23	0.	1.300E+04
1.715E-05	0.	2.365E-01	3.595E-05	1.233E-05	2.500E-02	2.737E-05	3.028E-09	6.221E-23	0.	1.400E+04
1.801E-05	0.	1.364E-01	4.064E-05	9.764E-06	3.735E-02	3.074E-05	2.799E-09	6.330E-21	0.	1.500E+04
1.892E-05	0.	1.552E-01	1.703E-05	7.261E-06	5.257E-02	3.068E-05	1.103E-07	1.603E-15	0.	1.600E+04
1.930E-05	0.	1.930E-01	6.464E-06	1.032E-06	6.434E-02	2.777E-05	4.795E-07	5.264E-18	0.	1.700E+04
2.047E-05	0.	1.244E-01	2.773E-06	3.210E-06	9.271E-02	2.313E-05	1.649E-06	8.164E-17	0.	1.800E+04
2.144E-05	0.	1.704E-02	1.655E-06	1.032E-06	9.513E-02	1.771E-05	4.647E-06	1.103E-15	0.	1.900E+04
2.259E-05	0.	4.714E-04	3.799E-07	1.147E-06	1.367E-02	1.272E-05	1.204E-05	1.302E-14	0.	2.000E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	3.884E-01	2.518E-17	2.775E-12	1.772E-06	2.239E-18	1.818E-01	1.782E-06	2.057E-05	2.768E-01
2.200E+04	4.164E-01	4.953E-18	8.167E-13	0.250E-07	4.089E-19	1.375E-01	6.360E-07	2.103E-05	3.002E-01
2.300E+04	4.375E-01	9.790E-19	2.613E-13	3.849E-07	7.591E-20	1.037E-01	3.908E-07	1.911E-05	3.182E-01
2.400E+04	4.530E-01	1.895E-19	7.254E-14	1.818E-07	1.465E-20	7.855E-02	1.861E-07	1.072E-05	3.317E-01
2.500E+04	4.644E-01	4.268E-20	2.286E-14	8.701E-08	2.884E-21	6.013E-03	8.032E-08	7.504E-06	3.416E-01
2.600E+04	4.728E-01	9.648E-21	7.086E-15	4.359E-08	6.683E-22	4.667E-02	4.343E-08	5.394E-06	3.487E-01
2.700E+04	4.792E-01	2.338E-21	2.568E-15	2.221E-08	1.902E-22	3.678E-02	2.230E-08	3.067E-06	3.539E-01
2.800E+04	4.842E-01	6.013E-22	9.220E-16	1.164E-08	3.702E-23	2.946E-02	1.144E-08	2.802E-06	3.574E-01
2.900E+04	4.885E-01	1.642E-22	3.457E-16	6.250E-09	4.599E-24	2.398E-02	1.841E-09	2.055E-06	3.596E-01
3.000E+04	4.925E-01	4.337E-23	1.367E-16	3.298E-09	2.647E-24	1.978E-02	3.414E-09	1.923E-06	3.609E-01
3.100E+04	4.964E-01	1.435E-23	9.533E-17	1.913E-09	7.548E-25	1.654E-02	1.654E-09	1.145E-06	3.612E-01
3.200E+04	5.005E-01	4.537E-23	2.253E-17	1.080E-09	2.218E-25	1.604E-02	1.137E-09	8.689E-06	3.670E-01
3.300E+04	5.050E-01	1.687E-24	9.594E-18	4.190E-10	6.659E-26	1.204E-02	6.015E-10	6.065E-07	3.592E-01
3.400E+04	5.098E-01	9.020E-25	4.121E-18	3.519E-10	2.021E-26	1.044E-02	4.180E-10	5.164E-07	3.573E-01
3.500E+04	5.148E-01	1.739E-25	1.806E-18	2.009E-10	6.174E-27	9.127E-03	2.620E-10	6.039E-07	3.548E-01
3.600E+04	5.199E-01	6.154E-26	7.985E-19	1.168E-10	1.091E-27	8.068E-03	1.674E-10	3.189E-07	3.521E-01
3.700E+04	5.248E-01	2.223E-26	3.705E-19	6.959E-11	8.080E-28	7.150E-03	1.092E-10	2.342E-07	3.492E-01
3.800E+04	5.294E-01	8.107E-27	1.612E-19	3.737E-11	1.704E-28	6.395E-03	7.243E-11	2.064E-07	3.449E-01
3.900E+04	5.334E-01	3.077E-27	7.360E-20	2.135E-11	5.523E-29	5.755E-03	4.888E-11	1.659E-07	3.440E-01
4.000E+04	5.373E-01	1.101E-27	3.406E-20	1.224E-11	1.720E-29	5.207E-03	3.347E-11	1.358E-07	3.418E-01
4.100E+04	5.405E-01	4.631E-28	1.507E-20	7.057E-12	9.464E-30	4.735E-03	7.327E-11	1.121E-07	3.399E-01
4.200E+04	5.433E-01	1.058E-28	7.604E-21	4.097E-12	1.762E-10	4.328E-03	1.640E-11	9.398E-06	3.382E-01
4.300E+04	5.457E-01	7.626E-29	3.688E-21	2.308E-12	5.787E-31	3.967E-03	1.172E-11	7.819E-06	3.368E-01
4.400E+04	5.478E-01	3.202E-29	1.811E-21	1.147E-12	9.961E-31	3.655E-03	8.070E-12	6.597E-06	3.357E-01
4.500E+04	5.497E-01	1.375E-28	9.056E-22	8.454E-13	0.	3.377E-03	6.194E-12	5.600E-06	3.344E-01
4.600E+04	5.515E-01	6.033E-30	4.601E-22	5.091E-13	0.	3.130E-03	4.579E-12	4.780E-06	3.332E-01
4.700E+04	5.532E-01	2.700E-30	2.373E-22	3.094E-13	0.	2.909E-03	3.619E-12	4.102E-06	3.322E-01
4.800E+04	5.550E-01	1.231E-30	1.246E-22	1.895E-13	0.	2.711E-03	2.577E-12	3.534E-06	3.310E-01
4.900E+04	5.569E-01	9.709E-31	6.563E-23	1.169E-13	0.	2.532E-03	1.960E-12	3.061E-06	3.298E-01
5.000E+04	5.589E-01	2.668E-31	1.411E-23	7.255E-14	0.	2.370E-03	1.503E-12	2.660E-06	3.284E-01

P/P0 = 2.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.023E-01	1.590E-20	8.043E-35	1.377E-20	9.581E-22	3.733E-01	1.272E-18	1.796E-21
6.000E+02	0.	1.725E-01	2.585E-17	7.453E-20	1.590E-24	8.019E-10	2.024E-01	9.050E-19	4.217E-21
7.000E+02	0.	4.879E-02	5.543E-15	1.089E-24	3.879E-22	4.704E-15	7.134E-01	8.701E-19	1.176E-20
8.000E+02	0.	1.593E-02	1.250E-13	1.347E-21	7.047E-20	5.581E-13	3.381E-01	4.231E-19	2.753E-20
9.000E+02	0.	3.635E-03	1.144E-12	1.367E-19	2.230E-10	2.301E-11	7.652E-01	7.054E-19	5.397E-20
1.000E+03	0.	2.933E-03	1.712E-11	2.774E-17	3.500E-17	4.393E-10	7.478E-01	7.428E-19	9.115E-20
1.100E+03	0.	1.588E-03	8.014E-10	1.029E-15	3.324E-16	5.005E-09	7.038E-01	6.938E-19	1.373E-19
1.200E+03	0.	5.390E-04	4.641E-10	2.063E-16	1.217E-15	3.020E-08	7.493E-01	6.405E-19	1.891E-19
1.300E+03	0.	6.013E-04	1.546E-09	2.833E-13	1.046E-10	2.141E-07	9.461E-01	5.861E-19	2.430E-19
1.400E+03	0.	4.105E-04	6.500E-09	3.235E-12	6.183E-14	9.112E-07	7.497E-01	5.333E-19	2.599E-19
1.500E+03	3.078E-33	2.952E-06	1.135E-08	1.543E-11	3.727E-13	4.056E-06	5.499E-01	4.839E-19	3.650E-19
1.600E+03	7.046E-30	2.215E-06	2.549E-06	6.064E-11	3.089E-13	1.052E-05	7.498E-01	4.390E-19	3.915E-19
1.700E+03	6.630E-27	1.721E-06	5.205E-08	3.469E-10	9.702E-13	2.890E-05	7.409E-01	4.009E-19	4.334E-19
1.800E+03	2.967E-26	1.370E-06	8.015E-08	1.266E-08	2.227E-12	8.024E-05	7.498E-01	3.638E-19	4.009E-19
1.900E+03	7.046E-22	1.131E-06	1.731E-07	4.505E-09	4.664E-12	1.533E-04	7.038E-01	3.324E-19	5.014E-19
2.000E+03	6.975E-20	9.477E-07	2.889E-07	1.513E-08	9.071E-12	3.146E-04	7.494E-01	3.374E-19	5.469E-19
2.100E+03	2.337E-18	6.087E-05	5.580E-07	2.962E-08	1.661E-11	6.022E-04	7.494E-01	1.056E-18	2.077E-18
2.200E+03	2.059E-17	7.007E-17	6.996E-07	5.996E-08	2.082E-11	1.008E-03	7.490E-01	6.507E-18	1.454E-17
2.300E+03	1.356E-16	6.151E-05	1.022E-06	1.532E-07	4.773E-11	1.869E-03	7.582E-01	3.903E-17	9.567E-17
2.400E+03	7.355E-16	5.459E-05	1.451E-06	3.144E-07	7.582E-11	3.069E-03	7.673E-01	2.023E-16	5.659E-16
2.500E+03	6.073E-15	4.889E-05	2.001E-06	6.087E-07	1.162E-10	4.845E-03	7.457E-01	9.224E-16	2.720E-15
2.600E+03	1.584E-14	6.414E-05	2.688E-06	1.119E-06	1.721E-10	7.308E-03	7.639E-01	3.768E-15	1.200E-14
2.700E+03	6.145E-14	6.008E-05	3.520E-06	1.966E-05	2.475E-10	1.091E-02	6.022E-01	1.374E-14	4.367E-14
2.800E+03	2.167E-13	3.657E-05	6.932E-06	3.313E-06	3.563E-09	1.566E-02	7.363E-01	4.592E-14	1.705E-13
2.900E+03	7.017E-13	3.348E-05	5.106E-06	5.379E-06	4.725E-10	2.109E-02	6.023E-01	1.413E-13	5.610E-13
3.000E+03	2.203E-12	3.071E-05	7.052E-06	6.439E-06	6.295E-09	2.997E-02	7.237E-01	6.031E-13	1.706E-12
3.100E+03	9.876E-12	2.816E-05	5.633E-06	1.203E-05	8.202E-10	4.010E-02	7.169E-01	1.074E-12	6.839E-12
3.200E+03	1.541E-11	2.505E-05	1.023E-05	1.859E-05	1.046E-09	5.295E-03	7.639E-01	2.440E-11	2.440E-11
3.300E+03	5.810E-11	2.307E-05	1.201E-05	2.728E-05	1.308E-09	6.772E-02	6.907E-01	4.393E-12	3.214E-11
3.400E+03	6.939E-11	2.160E-05	1.390E-05	3.828E-05	1.603E-09	8.571E-02	4.793E-01	1.424E-11	7.622E-11
3.500E+03	1.963E-10	1.963E-05	1.563E-05	5.240E-05	1.927E-09	1.067E-01	6.365E-01	3.039E-11	1.172E-10
3.600E+03	4.257E-10	1.774E-05	1.776E-05	7.040E-05	2.276E-09	1.309E-01	6.334E-01	6.194E-11	9.700E-10
3.700E+03	6.713E-10	1.597E-05	1.963E-05	9.249E-05	2.634E-09	1.582E-01	6.115E-01	1.210E-09	7.438E-10
3.800E+03	1.715E-09	1.420E-05	2.137E-05	1.192E-04	2.997E-09	1.886E-01	5.069E-01	2.270E-10	1.322E-09
3.900E+03	3.258E-09	1.255E-05	2.294E-05	1.507E-04	3.350E-09	2.210E-01	5.558E-01	4.102E-10	2.916E-09
4.000E+03	5.982E-09	1.089E-05	2.426E-05	1.872E-04	3.679E-09	2.576E-01	5.264E-01	7.193E-10	5.400E-09
4.100E+03	1.065E-08	9.532E-06	2.530E-05	2.204E-04	3.972E-09	2.955E-01	4.912E-01	1.204E-08	9.605E-09
4.200E+03	5.846E-08	8.180E-06	2.601E-05	2.768E-04	4.217E-09	3.299E-01	4.560E-01	1.366E-08	1.086E-08
4.300E+03	3.096E-08	6.945E-06	2.637E-05	3.253E-04	4.606E-09	3.756E-01	4.211E-01	3.110E-09	2.059E-08
4.400E+03	5.876E-08	5.833E-06	2.638E-05	3.768E-04	4.534E-09	4.162E-01	3.639E-01	4.799E-09	4.700E-08
4.500E+03	6.110E-08	6.848E-06	2.606E-05	4.371E-04	4.398E-09	4.567E-01	3.498E-01	7.107E-09	7.936E-08
4.600E+03	1.268E-07	5.989E-06	2.543E-05	4.970E-04	4.399E-09	4.662E-01	3.152E-01	1.049E-09	1.191E-07
4.700E+03	1.962E-07	3.249E-06	2.494E-05	4.970E-04	4.676E-09	5.204E-01	3.019E-01	1.694E-09	1.833E-07

TABLE II.- Continued

H-	N	N2	N2+	N*	N-	N++	N++*	N****	T
2.113E-05	4.136E-02	1.492E-07	6.675E-07	1.115E-01	8.719E-06	2.977E-05	1.289E-13	0.	2.100E+00
1.657E-05	2.417E-02	5.629E-06	3.767E-07	1.161E-01	5.812E-06	6.797E-05	1.026E-12	0.	2.200E+00
0.847E-06	2.151E-02	2.180E-04	2.137E-07	1.190E-01	3.829E-06	1.654E-04	7.025E-12	0.	2.300E+00
6.611E-06	1.573E-02	4.768E-09	1.230E-07	1.208E-01	2.522E-06	2.948E-04	4.197E-11	0.	2.400E+00
4.433E-06	1.163E-02	3.655E-09	7.215E-08	1.217E-01	1.675E-06	5.675E-04	2.217E-10	0.	2.500E+00
3.004E-06	8.745E-03	1.591E-09	4.323E-08	1.220E-01	1.126E-06	1.064E-03	1.046E-09	0.	2.600E+00
2.063E-06	6.077E-03	7.202E-13	2.661E-08	1.217E-01	7.167E-07	1.838E-03	4.445E-09	0.	2.700E+00
1.446E-06	5.167E-03	3.373E-10	1.660E-08	1.207E-01	5.311E-07	3.109E-03	1.715E-08	0.	2.800E+00
1.024E-06	4.311E-03	1.624E-10	1.030E-08	1.184E-01	3.720E-07	9.051E-03	6.038E-08	0.	2.900E+00
7.421E-07	3.148E-03	7.987E-11	6.501E-09	1.158E-01	2.632E-07	7.887E-03	1.949E-07	0.	3.000E+00
5.667E-07	2.516E-03	3.777E-11	4.096E-09	1.118E-01	1.075E-07	1.183E-02	5.789E-07	0.	3.100E+00
4.139E-07	1.787E-03	1.988E-11	2.556E-09	1.059E-01	1.339E-07	1.703E-02	1.598E-06	0.	3.200E+00
3.186E-07	1.561E-03	9.902E-12	1.570E-09	9.866E-02	9.562E-08	2.352E-02	4.014E-06	0.	3.300E+00
2.498E-07	1.217E-03	4.679E-12	9.626E-13	9.020E-02	6.798E-08	3.114E-02	9.425E-06	0.	3.400E+00
1.955E-07	9.387E-04	2.367E-12	5.521E-10	8.077E-02	6.801E-08	3.958E-02	2.060E-05	3.318E-12	3.500E+00
1.621E-07	7.155E-04	1.120E-12	3.164E-10	7.084E-02	3.362E-08	4.840E-02	4.212E-05	1.440E-11	3.600E+00
1.333E-07	5.393E-04	5.203E-13	1.751E-10	8.104E-02	2.334E-08	5.714E-02	8.105E-05	5.657E-11	3.700E+00
1.121E-07	4.235E-04	2.438E-13	9.530E-11	9.177E-02	1.608E-08	6.936E-02	1.497E-04	2.027E-10	3.800E+00
9.516E-08	2.479E-04	1.113E-13	5.102E-11	4.324E-02	1.101E-08	7.278E-02	2.569E-04	6.494E-10	3.900E+00
8.176E-08	2.191E-04	5.329E-13	2.730E-11	3.582E-02	7.504E-09	7.921E-02	4.265E-04	2.058E-09	4.000E+00
7.101E-08	1.607E-04	2.289E-14	1.420E-11	2.965E-02	5.113E-09	8.458E-02	6.838E-04	5.920E-09	4.100E+00
6.229E-08	1.177E-04	1.340E-14	7.456E-12	2.410E-02	3.684E-09	8.890E-02	1.061E-03	1.606E-08	4.200E+00
5.514E-08	9.627E-05	6.755E-15	3.923E-12	1.968E-02	2.379E-09	9.222E-02	1.599E-03	4.127E-09	4.300E+00
4.920E-08	6.334E-05	2.192E-15	2.071E-12	1.605E-02	1.631E-09	9.440E-02	2.746E-03	1.010E-07	4.400E+00
4.628E-08	4.662E-05	1.020E-15	1.101E-12	1.308E-02	1.122E-09	9.608E-02	3.361E-03	2.360E-07	4.500E+00
3.999E-08	3.444E-05	4.795E-16	5.888E-13	1.047E-02	7.758E-10	9.872E-02	4.708E-03	9.284E-07	4.600E+00
3.639E-08	2.595E-05	2.275E-16	3.162E-13	8.703E-03	5.388E-10	9.851E-02	6.454E-03	1.136E-06	4.700E+00
3.328E-08	1.807E-05	1.308E-16	1.707E-13	7.076E-03	3.750E-10	9.546E-02	8.664E-03	2.349E-06	4.800E+00
3.038E-08	1.404E-05	5.238E-17	9.246E-14	5.782E-03	2.627E-10	9.358E-02	1.139E-02	4.676E-06	4.900E+00
2.821E-08	1.049E-05	2.539E-17	9.014E-14	4.703E-03	1.042E-10	9.097E-02	1.466E-02	8.975E-06	5.000E+00

P/PQ = 2.00E+01

H-	N	N2	N2+	N*	H-	N*	N++	N***	T
0.	0.	1.244E-01	6.077E-21	0.	0.	0.	0.	0.	3.000E+02
0.	0.	2.086E-01	6.496E-21	0.	0.	0.	0.	0.	4.000E+02
0.	0.	2.378E-01	1.133E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.311E-29	2.460E-01	1.666E-20	0.	0.	0.	0.	0.	8.000E+02
0.	5.712E-29	2.448E-01	1.773E-20	0.	0.	0.	0.	0.	9.000E+02
0.	3.321E-23	2.493E-01	2.018E-20	0.	0.	0.	0.	0.	1.000E+03
0.	6.094E-21	2.446E-01	2.186E-20	0.	0.	0.	0.	0.	1.100E+03
0.	4.734E-19	2.444E-01	2.277E-20	1.194E-33	0.	0.	0.	0.	1.200E+03
0.	1.089E-17	2.443E-01	2.300E-20	2.193E-32	0.	0.	0.	0.	1.300E+03
0.	4.379E-16	2.499L-01	2.272E-20	2.830E-31	0.	0.	0.	0.	1.400E+03
0.	6.796E-15	2.499E-01	2.205E-20	2.182E-30	0.	0.	0.	0.	1.500E+03
0.	7.679E-14	2.499E-01	2.125E-23	1.386E-29	0.	0.	0.	0.	1.600E+03
0.	6.6215E-13	2.400E-01	2.036E-20	7.004E-29	0.	0.	0.	0.	1.700E+03
2.789E-27	4.346E-12	2.900E-01	1.911E-20	2.934E-28	0.	0.	0.	0.	1.800E+03
1.034E-26	2.236E-11	2.500E-01	1.835E-20	1.051E-27	0.	0.	0.	0.	1.900E+03
1.825E-22	1.607E-13	1.924E-01	1.924E-20	9.639E-27	0.	0.	0.	0.	2.000E+03
6.555E-21	3.811E-10	2.439E-01	6.198E-20	3.636E-26	1.292E-28	0.	0.	0.	2.100E+03
7.730E-20	1.308E-05	2.448E-01	3.968E-19	9.919E-25	3.695E-27	0.	0.	0.	2.200E+03
6.505E-19	6.455E-29	2.648E-01	2.397E-18	8.807E-24	7.076E-26	0.	0.	0.	2.300E+03
6.617E-18	1.648E-08	2.446E-01	1.271E-17	1.083E-22	1.059E-24	0.	0.	0.	2.400E+03
2.770E-17	3.754E-28	2.446E-01	5.930E-17	1.056E-21	1.261E-23	0.	0.	0.	2.500E+03
1.445E-16	7.424E-08	2.464E-01	2.455E-16	8.743E-21	1.216E-22	0.	0.	0.	2.600E+03
6.455E-16	1.803E-17	2.466E-01	1.631E-16	6.265E-23	1.305E-21	0.	0.	0.	2.700E+03
2.770E-15	3.866E-07	2.468E-01	3.106E-15	3.809E-19	7.120E-21	0.	0.	0.	2.800E+03
1.024E-14	7.911E-07	2.472E-01	9.722E-15	2.133E-18	6.610E-20	0.	0.	0.	2.900E+03
3.689E-14	1.531E-06	2.462E-01	4.438E-16	1.066E-17	2.412E-19	0.	0.	0.	3.000E+03
1.045E-13	2.086E-06	2.452E-01	3.08E-16	4.636E-17	1.175E-18	0.	0.	0.	3.100E+03
3.187E-13	6.104E-06	2.434E-01	9.696E-16	1.875E-16	5.208E-18	0.	0.	0.	3.200E+03
6.655E-13	6.659E-06	2.415E-01	6.757E-15	6.976E-16	2.096E-17	0.	0.	0.	3.300E+03
2.230E-12	1.644E-05	2.392E-01	1.092E-12	2.640E-15	7.746E-17	0.	0.	0.	3.400E+03
5.330E-12	2.670E-05	2.360E-01	2.393E-12	7.752E-15	2.650E-16	0.	0.	0.	3.500E+03
1.230E-11	3.740E-05	2.370E-01	5.026E-12	2.352E-14	6.639E-16	0.	0.	0.	3.600E+03
2.610E-11	5.815E-05	2.301E-01	1.014E-11	6.679E-14	2.512E-15	0.	0.	0.	3.700E+03
5.349E-11	4.727E-05	2.263E-01	1.974E-11	1.005E-13	7.034E-15	0.	0.	0.	3.800E+03
1.066E-10	1.241E-04	2.221E-01	7.716E-11	6.645E-13	1.860E-14	0.	0.	0.	3.900E+03
2.019E-10	1.463E-04	2.176E-01	6.764E-11	1.162E-12	6.667E-14	0.	0.	0.	4.000E+03
3.675E-10	2.002E-04	2.124E-01	1.236E-10	2.694E-12	7.115E-13	0.	0.	0.	4.100E+03
6.666E-10	3.659E-06	2.370E-01	2.082E-10	6.112E-12	1.542E-13	0.	0.	0.	4.200E+03
1.302E-09	4.925E-06	2.326E-01	3.916E-10	1.330E-11	3.556E-13	0.	0.	0.	4.300E+03
1.785E-09	6.622E-06	1.974E-01	5.803E-10	2.830E-11	1.166E-12	0.	0.	0.	4.400E+03
4.661E-09	8.703E-06	1.921E-01	9.392E-10	5.021E-11	2.359E-12	0.	0.	0.	4.500E+03
6.342E-09	1.149E-03	1.470E-01	1.692E-09	1.162E-10	6.617E-12	0.	0.	0.	4.600E+03
6.376E-09	1.467E-03	1.420E-01	2.331E-09	2.259E-10	8.713E-12	0.	0.	0.	4.700E+03
9.613E-09	1.304E-03	1.773E-01	3.585E-09	6.268E-10	1.509E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	M2	M2+	M2+	M2+
4.900E+03	4.294E-07	2.103E-06	2.210E-05	6.837E-04	4.292E-09	6.031E-01	2.210E-01	2.837E-08	4.004E-07	
5.000E+03	6.218E-07	1.674E-06	2.001E-05	7.460E-04	6.113E-09	6.336E-01	1.941E-01	3.702E-08	5.935E-07	
5.200E+03	1.243E-06	1.046E-06	1.795E-05	6.681E-04	3.697E-09	6.659E-01	1.477E-01	6.424E-08	1.192E-06	
5.400E+03	2.349E-06	6.497E-07	1.518E-05	9.845E-04	3.251E-09	7.264E-01	1.111E-01	1.024E-07	2.239E-06	
5.600E+03	4.227E-06	3.977E-07	1.266E-05	1.079E-03	2.816E-09	7.571E-01	8.320E-02	1.550E-07	4.065E-06	
5.800E+03	7.289E-06	2.499E-07	1.048E-05	1.193E-03	2.415E-09	7.791E-01	6.211E-02	2.249E-07	6.995E-06	
6.000E+03	1.211E-05	1.533E-07	8.638E-06	1.282E-03	2.059E-09	7.944E-01	4.657E-02	3.150E-07	1.157E-05	
6.200E+03	1.946E-05	9.661E-06	7.104E-06	1.366E-03	1.750E-09	8.044E-01	3.549E-02	4.207E-07	1.047E-05	
6.400E+03	3.038E-05	6.159E-06	9.838E-06	1.438E-03	1.461E-09	8.103E-01	2.710E-02	9.672E-07	2.857E-05	
6.600E+03	4.621E-05	3.971E-06	4.790E-06	1.495E-03	1.219E-09	8.130E-01	2.007E-02	7.345E-07	4.291E-05	
6.800E+03	6.867E-05	2.587E-06	3.926E-06	1.536E-03	1.005E-09	8.131E-01	1.623E-02	9.322E-07	6.289E-05	
7.000E+03	9.508E-05	1.700E-05	3.211E-06	1.561E-03	8.267E-09	8.112E-01	1.273E-02	1.102E-06	8.995E-05	
7.200E+03	1.425E-05	1.127E-06	2.620E-06	1.590E-03	6.794E-10	8.077E-01	1.000E-02	1.426E-06	1.259E-05	
7.400E+03	1.979E-04	7.512E-06	2.131E-06	1.557E-03	5.155E-10	8.029E-01	8.047E-03	1.724E-06	1.723E-05	
7.600E+03	2.756E-04	5.037E-06	1.726E-06	1.527E-03	4.224E-10	7.972E-01	6.452E-03	2.000E-06	2.331E-04	
7.800E+03	3.744E-04	3.395E-06	1.393E-06	1.481E-03	3.204E-10	7.912E-01	5.240E-03	2.434E-06	3.079E-04	
8.000E+03	5.313E-04	2.300E-06	1.120E-06	1.419E-03	2.516E-10	7.849E-01	4.319E-03	2.951E-06	4.047E-04	
8.200E+03	6.624E-04	1.546E-06	8.977E-07	1.3466E-03	1.903E-10	7.780E-01	3.577E-03	3.313E-06	5.239E-04	
8.400E+03	8.638E-04	1.073E-06	7.179E-07	1.265E-03	1.422E-10	7.731E-01	2.993E-03	3.827E-06	6.379E-04	
8.600E+03	1.111E-03	7.395E-10	5.733E-07	1.179E-03	1.052E-10	7.679E-01	2.512E-03	4.397E-06	8.445E-04	
8.800E+03	1.421E-03	5.136E-10	4.580E-07	1.091E-03	7.734E-11	7.636E-01	2.113E-03	5.829E-06	1.059E-03	
9.000E+03	1.792E-03	3.597E-10	3.643E-07	1.005E-03	5.659E-11	7.594E-01	1.824E-03	5.710E-06	1.314E-03	
9.200E+03	2.239E-03	2.591E-10	2.930E-07	9.223E-04	4.134E-11	7.506E-01	1.575E-03	6.503E-06	1.620E-03	
9.400E+03	2.770E-03	1.812E-10	2.361E-07	8.446E-04	3.022E-11	7.550E-01	1.308E-03	7.356E-06	1.981E-03	
9.600E+03	3.399E-03	1.304E-10	1.906E-07	7.724E-04	2.214E-11	7.566E-01	1.119E-03	8.785E-06	2.406E-03	
9.800E+03	4.136E-03	9.617E-11	1.565E-07	7.062E-04	1.629E-11	7.481E-01	1.050E-03	9.299E-06	2.902E-03	
1.000E+04	4.994E-03	6.949E-11	1.239E-07	6.459E-04	1.204E-11	7.458E-01	9.270E-04	1.040E-05	3.417E-03	
1.100E+04	1.159E-02	1.666E-11	4.022E-06	4.197E-04	8.998E-12	7.374E-01	5.294E-04	1.719E-05	7.810E-03	
1.200E+04	2.340E-02	4.712E-12	2.030E-06	2.804E-04	7.940E-13	7.188E-01	3.233E-04	2.559E-05	1.550E-02	
1.300E+04	4.225E-02	1.676E-12	9.068E-09	1.903E-04	2.403E-13	6.903E-01	2.046E-04	3.619E-05	2.707E-02	
1.400E+04	6.954E-02	4.661E-13	4.114E-09	1.282E-04	7.514E-14	6.519E-01	1.309E-04	4.450E-05	4.571E-02	
1.500E+04	1.057E-01	1.597E-13	1.046E-09	8.242E-05	2.323E-14	6.009E-01	8.208E-05	5.551E-05	6.961E-02	
1.600E+04	1.498E-01	5.039E-14	7.947E-10	5.304E-05	8.301E-15	5.301E-01	5.105E-05	8.123E-05	9.930E-02	
1.700E+04	1.994E-01	1.976E-14	3.212E-10	3.161E-05	1.058E-15	5.667E-01	5.017E-05	6.267E-05	1.334E-01	
1.800E+04	2.500E-01	3.494E-15	1.204E-10	1.771E-05	4.566E-16	5.914E-01	1.676E-05	9.900E-05	1.704E-01	
1.900E+04	3.031E-01	9.594E-16	4.176E-11	9.342E-06	1.917E-16	5.177E-01	9.045E-06	9.177E-05	2.971E-01	
2.000E+04	3.641E-01	2.142E-16	1.355E-11	6.679E-06	2.004E-17	5.207E-01	6.594E-06	6.252E-05	2.411E-01	
2.100E+04	4.309E-01	4.946E-17	4.106E-12	2.259E-06	6.033E-18	5.197E-01	2.264E-06	3.309E-05	2.706E-01	
2.200E+04	4.100E-01	9.141E-18	1.263E-12	1.070E-06	7.625E-19	4.677E-01	1.073E-06	2.469E-05	2.948E-01	
2.300E+04	6.322E-01	3.057E-18	3.007E-13	9.592E-07	1.6939E-07	1.1222E-01	5.004E-07	1.790E-05	3.136E-01	
2.400E+04	6.488E-01	3.869E-19	1.170E-13	2.611E-07	2.083E-20	5.594E-02	2.622E-07	1.201E-05	3.277E-01	
2.500E+04	6.810E-01	6.617E-20	3.712E-16	1.174E-07	5.929E-21	6.573E-02	1.173E-07	9.134E-06	3.385E-01	
2.600E+04	6.700E-01	1.939E-20	1.227E-16	5.858E-08	1.303E-21	5.119E-02	5.809E-08	6.528E-06	3.443E-01	
2.700E+04	4.769E-01	4.710E-21	4.240E-16	3.001E-08	3.048E-22	4.045E-02	2.956E-08	4.699E-06	3.519E-01	
2.800E+04	6.823E-01	1.223E-21	1.532E-16	1.579E-08	7.570E-23	3.246E-02	1.546E-08	7.416E-06	3.574E-01	
2.900E+04	6.868E-01	3.366E-21	5.770E-16	8.517E-09	1.993E-23	2.644E-02	8.348E-09	2.511E-06	3.746E-01	
3.000E+04	6.977E-01	9.737E-20	2.263E-16	9.22E-09	5.507E-23	2.100E-02	6.673E-09	1.867E-06	3.800E-01	
3.100E+04	6.994E-01	2.970E-20	9.177E-17	8.308E-09	1.5858E-24	1.827E-02	7.644E-09	1.604E-06	3.886E-01	
3.200E+04	6.981E-01	3.829E-20	3.829E-17	1.6493E-09	4.709E-25	1.554E-02	1.547E-09	1.000E-06	3.803E-01	
3.300E+04	5.033E-01	3.130E-20	1.635E-17	8.554E-10	1.430E-25	1.334E-02	9.235E-10	8.700E-07	3.592E-01	
3.400E+04	5.000E-01	1.066E-20	7.112E-18	4.922E-10	4.407E-26	1.159E-02	5.701E-10	6.360E-07	3.576E-01	
3.500E+04	5.129E-01	3.723E-20	3.130E-18	2.839E-10	1.368E-26	1.012E-02	3.576E-10	4.900E-07	3.552E-01	
3.600E+04	5.180E-01	1.330E-20	1.601E-18	1.634E-10	4.260E-27	6.926E-03	2.200E-10	3.934E-07	3.526E-01	
3.700E+04	5.229E-01	4.846E-20	5.317E-19	9.407E-11	1.3220E-27	7.930E-03	1.693E-10	3.130E-07	3.499E-01	
3.800E+04	5.277E-01	1.801E-20	2.877E-19	5.612E-11	4.157E-28	7.095E-03	8.059E-11	2.929E-07	3.472E-01	
3.900E+04	5.320E-01	6.825E-21	1.374E-19	3.116E-11	1.307E-28	6.305E-03	6.643E-11	2.049E-07	3.444E-01	
4.000E+04	5.354E-01	2.638E-21	6.166E-20	1.799E-11	4.162E-29	5.779E-03	5.500E-11	1.670E-07	3.424E-01	
4.100E+04	5.392E-01	1.061E-21	2.912E-20	1.063E-11	1.324E-29	5.236E-03	3.105E-11	1.305E-07	3.404E-01	
4.200E+04	5.421E-01	4.202E-21	1.395E-20	6.091E-12	4.324E-30	4.002E-03	2.254E-11	1.152E-07	3.386E-01	
4.300E+04	5.446E-01	1.733E-20	6.783E-21	3.935E-12	1.435E-30	4.606E-03	1.604E-11	9.656E-08	3.372E-01	
4.400E+04	5.466E-01	7.312E-21	3.952E-21	2.126E-12	4.655E-31	4.057E-03	1.160E-11	8.166E-08	3.359E-01	
4.500E+04	5.488E-01	3.151E-21	1.623E-21	1.277E-12	6.764E-31	3.764E-03	8.485E-12	6.915E-08	3.347E-01	
4.600E+04	5.508E-01	1.388E-20	8.928E-22	7.697E-13	6.	3.675E-03	6.273E-12	5.903E-08	3.336E-01	
4.700E+04	5.524E-01	6.236E-20	4.641E-22	6.653E-13	6.	3.231E-03	6.659E-12	5.065E-08	3.325E-01	
4.800E+04	5.542E-01	2.856E-20	3.230E-22	2.686E-13	6.	3.011E-03	5.532E-12	4.367E-08	3.314E-01	
4.900E+04	5.560E-01	1.329E-20	1.767E-22	1.767E-13	6.	2.812E-03	2.666E-12	3.701E-08	3.302E-01	
5.000E+04	5.580E-01	6.282E-21	6.659E-22	1.113E-13	6.	2.633E-03	2.060E-12	3.287E-08	3.289E-01	

P/P0 = 2.205E-01

T	E-	NH3	NH2	NH	N2H2	H	M2	M2+	M2+	M2+
5.000E+02	0.	5.180E-01	1.509E-20	7.700E-20	1.620E-20	8.900E-22	3.615E-01	1.205E-18	1.700E-21	
5.000E+02	0.	1.646E-01	2.653E-17	7.360E-20	1.700E-20	7.752E-10	6.117E-01	6.050E-19	6.022E-21	
5.000E+02	0.	5.117E-02	3.690E-15	1.068E-19	3.695E-22	4.560E-15	7.101E-01	8.762E-19	1.120E-20	
5.000E+02	0.	1.767E-02	1.309E-13							

TABLE II.- Continued

M-	N	N2	N4	N6	N8	N10	N12	N14	N16	T
1.372E-08	2.412E-23	1.728E-01	5.434E-09	7.955E-10	2.887E-11	0.	0.	0.	0.	4.200E+03
1.910E-08	3.024E-03	1.685E-01	8.127E-09	1.661E-09	4.990E-11	0.	0.	0.	0.	5.000E+03
3.916E-08	4.653E-03	1.609E-01	1.752E-08	4.463E-09	1.408E-10	0.	0.	0.	0.	5.200E+03
6.023E-08	6.935E-03	1.594E-01	3.607E-08	1.284E-08	3.652E-10	0.	0.	0.	0.	5.400E+03
9.737E-08	1.008E-02	1.445E-01	7.114E-08	3.669E-08	8.792E-10	0.	0.	0.	0.	5.600E+03
1.500E-07	1.422E-02	1.431E-01	1.706E-07	8.702E-08	1.982E-09	0.	0.	0.	0.	5.800E+03
2.221E-07	1.962E-02	1.370E-01	2.443E-07	2.099E-07	4.209E-09	1.410E-25	0.	0.	0.	6.000E+03
3.179E-07	2.487E-02	1.322E-01	2.621E-07	4.655E-07	8.470E-09	1.355E-24	0.	0.	0.	6.200E+03
4.621E-07	3.443E-02	1.261E-01	7.139E-07	9.938E-07	1.622E-09	1.131E-23	0.	0.	0.	6.400E+03
5.994E-07	4.512E-02	1.196E-01	1.150E-06	2.019E-06	2.948E-09	8.264E-23	0.	0.	0.	6.600E+03
7.956E-07	5.708E-02	1.114E-01	1.779E-06	3.913E-06	5.203E-09	5.371E-22	0.	0.	0.	6.800E+03
1.036E-06	7.073E-02	1.036E-01	7.114E-06	7.259E-06	8.760E-09	3.109E-21	0.	0.	0.	7.000E+03
1.325E-06	8.556E-02	9.452E-02	3.786E-06	1.268E-05	1.619E-07	1.619E-20	0.	0.	0.	7.200E+03
1.669E-06	1.022E-01	8.490E-02	9.204E-06	2.195E-05	2.217E-07	7.637E-20	0.	0.	0.	7.400E+03
2.073E-06	1.192E-01	7.494E-02	6.883E-06	3.600E-05	3.345E-07	3.285E-19	0.	0.	0.	7.600E+03
2.544E-06	1.364E-01	6.496E-02	6.763E-06	5.948E-05	6.778E-07	1.298E-18	0.	0.	0.	7.800E+03
3.085E-06	1.533E-01	5.528E-02	1.075E-05	4.676E-05	4.698E-07	4.721E-18	0.	0.	0.	8.000E+03
3.703E-06	1.684E-01	6.617E-02	1.274E-05	2.118E-04	9.443E-07	1.539E-17	0.	0.	0.	8.200E+03
4.404E-06	1.833E-01	7.193E-02	1.646E-05	1.838E-04	1.258E-06	5.333E-17	0.	0.	0.	8.400E+03
5.192E-06	1.754E-01	3.071E-02	1.633E-05	2.559E-04	1.833E-06	1.49CE-16	0.	0.	0.	8.600E+03
6.071E-06	2.060E-01	2.459E-02	1.771E-05	3.679E-04	2.010E-06	4.161E-16	0.	0.	0.	8.800E+03
7.067E-06	2.147E-01	1.966E-02	1.886E-05	6.628E-04	2.570E-06	1.102E-15	0.	0.	0.	9.000E+03
8.123E-06	2.217E-01	1.533E-02	1.669E-05	6.038E-04	3.133E-06	2.701E-15	0.	0.	0.	9.200E+03
9.331E-06	2.271E-01	1.204E-02	2.028E-05	7.765E-05	3.756E-06	6.715E-15	0.	0.	0.	9.400E+03
1.058E-05	2.313E-01	9.629E-03	2.066E-04	9.748E-04	4.645E-06	1.557E-14	0.	0.	0.	9.600E+03
1.197E-05	2.345E-01	7.408E-03	2.088E-05	1.222E-03	5.195E-06	3.479E-14	0.	0.	0.	9.800E+03
1.346E-05	2.356E-01	5.626E-03	2.092E-05	1.505E-03	6.008E-06	7.512E-14	0.	0.	0.	1.000E+04
2.239E-05	2.339E-01	1.603E-03	1.986E-05	3.718E-03	1.395E-05	2.287E-12	0.	0.	0.	1.100E+04
3.324E-05	2.350E-01	6.686E-04	1.806E-05	7.842E-03	1.706E-05	3.924E-11	0.	0.	0.	1.200E+04
4.672E-05	2.245E-01	2.613E-04	1.575E-05	1.437E-02	2.354E-05	4.363E-10	4.663E-25	0.	0.	1.300E+04
5.554E-05	2.085E-01	1.604E-04	1.326E-05	2.385E-02	2.617E-05	3.654E-09	5.297E-23	0.	0.	1.400E+04
6.227E-05	1.673E-01	6.634E-05	1.052E-05	3.613E-02	3.268E-05	2.014E-08	4.633E-21	0.	0.	1.500E+04
6.434E-05	1.619E-01	1.977E-05	7.915E-06	5.053E-02	4.986E-06	1.300E-09	3.000E-19	0.	0.	1.600E+04
6.816E-05	1.364E-01	3.627E-06	5.580E-06	6.580E-02	3.068E-05	3.755E-07	3.600E-16	0.	0.	1.700E+04
9.401E-05	1.059E-01	3.353E-05	3.688E-06	8.044E-02	2.588E-05	1.355E-05	6.873E-17	0.	0.	1.800E+04
9.414E-05	8.170E-02	1.311E-06	2.297E-06	9.305E-02	2.017E-05	4.073E-06	9.377E-14	0.	0.	1.900E+04
9.330E-05	6.436E-02	5.545E-02	1.367E-06	1.030E-01	1.474E-05	1.07E-05	1.139E-14	0.	0.	2.000E+04
2.452E-05	6.424E-02	1.6922E-01	7.894E-07	1.102E-01	1.023E-03	2.702E-05	1.072E-13	0.	0.	2.100E+04
1.713E-05	3.230E-02	7.306E-04	6.536E-07	1.151E-01	4.901E-03	6.162E-05	8.030E-13	0.	0.	2.200E+04
1.171E-05	2.356E-02	2.856E-04	7.578E-07	1.183E-01	5.585E-03	1.314E-04	5.797E-13	0.	0.	2.300E+04
7.940E-06	1.722E-02	1.169E-03	1.493E-07	1.203E-01	3.263E-03	2.668E-04	3.452E-11	0.	0.	2.400E+04
5.345E-06	1.292E-02	4.920E-04	8.806E-06	1.216E-01	2.033E-03	5.135E-05	1.811E-10	0.	0.	2.500E+04
3.640E-06	2.645E-02	2.154E-05	5.298E-06	1.219E-01	1.373E-03	9.439E-05	8.583E-10	0.	0.	2.600E+04
2.519E-06	7.330E-02	9.711E-03	3.247E-06	1.217E-01	5.196E-03	1.663E-05	3.630E-09	0.	0.	2.700E+04
1.756E-06	5.720E-03	6.606E-10	2.024E-08	1.203E-03	6.517E-07	2.814E-03	1.403E-08	0.	0.	2.800E+04
1.251E-06	4.421E-03	2.424E-10	1.277E-08	1.192E-03	4.578E-07	4.579E-03	6.946E-08	0.	0.	2.900E+04
9.041E-07	4.500E-03	1.172E-10	6.104E-09	1.166E-03	3.264E-07	1.167E-03	1.600E-07	0.	0.	3.000E+04
6.720E-07	2.615E-03	5.632E-11	5.163E-09	1.127E-03	2.323E-07	1.079E-02	4.766E-07	0.	0.	3.100E+04
5.073E-07	2.274E-03	2.774E-11	1.244E-09	1.084E-03	2.014E-07	5.135E-06	5.135E-10	0.	0.	3.200E+04
3.940E-07	1.765E-03	1.673E-11	2.011E-09	1.057E-03	1.619E-07	2.168E-02	3.341E-06	0.	0.	3.300E+04
3.086E-07	1.345E-03	7.021E-12	2.225E-09	6.271E-02	8.679E-06	2.890E-02	7.901E-06	0.	0.	3.400E+04
2.644E-07	1.277E-03	1.657E-12	7.205E-10	8.365E-02	6.079E-08	2.602E-02	6.566E-05	0.	0.	3.600E+04
1.495E-07	6.271E-04	1.676E-12	6.221E-10	7.430E-02	4.302E-08	6.566E-02	3.588E-05	0.	0.	3.800E+04
1.645E-07	6.271E-04	7.672E-13	2.779E-10	6.425E-02	3.011E-08	5.612E-02	6.935E-05	0.	0.	4.000E+04
1.372E-07	4.724E-04	9.730E-13	1.120E-10	5.647E-02	2.091E-08	6.281E-02	1.277E-01	0.	0.	4.200E+04
1.117E-07	1.524E-04	1.717E-13	7.165E-11	4.643E-02	1.663E-08	7.021E-02	2.233E-04	0.	0.	4.400E+04
1.035E-07	2.611E-04	7.471E-14	3.606E-11	3.655E-02	1.035E-08	3.737E-02	1.627E-04	0.	0.	4.600E+04
6.736E-07	1.6927E-04	6.266E-14	2.07E-11	3.136E-02	7.705E-09	8.256E-02	6.022E-06	0.	0.	4.704E+04
7.666E-07	1.619E-04	1.678E-14	1.336E-11	2.621E-02	4.561E-09	8.720E-02	9.106E-06	0.	0.	4.800E+04
6.707E-07	1.605E-04	7.715E-15	5.767E-12	2.104E-02	3.981E-09	9.046E-02	1.420E-03	0.	0.	4.900E+04
6.055E-07	2.724E-04	3.031E-15	1.071E-12	1.763E-02	2.232E-09	9.356E-02	2.392E-03	0.	0.	5.000E+04
5.645E-07	5.643E-05	1.666E-15	1.666E-12	1.666E-02	1.520E-09	9.516E-02	1.097E-03	0.	0.	5.100E+04
4.926E-07	4.215E-05	8.044E-15	1.747E-12	1.247E-02	1.245E-09	9.629E-02	4.222E-03	0.	0.	5.200E+04
4.683E-07	3.229E-05	3.022E-15	6.787E-13	4.666E-03	7.365E-10	9.661E-02	5.812E-03	0.	0.	5.300E+04
4.130E-07	1.932E-05	1.662E-15	2.602E-12	7.086E-03	5.162E-10	9.771E-02	7.400E-03	0.	0.	5.400E+04
3.767E-07	1.755E-05	9.595E-15	1.621E-13	6.676E-03	3.604E-10	9.418E-02	1.334E-02	0.	0.	5.500E+04
3.476E-07	1.755E-05	6.638E-15	2.233E-13	5.072E-03	2.640E-10	9.184E-02	1.337E-02	0.	0.	5.600E+04

P/PD = 2.20E+01

M-	N	N2	N4	N6	N8	N10	N12	N14	N16	T
3.	3.	1.205E-01	6.161E-21	0.	0.	0.	0.	0.	0.	5.000E+02
3.	3.	2.039E-01	4.577E-21	0.	0.	0.	0.	0.	0.	4.000E+02
0.	0.	2.761E-01	1.135E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	0.	2.616E-01	1.640E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	0.	5.666E-01	2.233E-20	0.	0.	0.	0.	0.	0.	9.000E+02
0.	0.	3.092E-01	2.049E-20	0.	0.	0.	0.	0.	0.	1.000E+03
0.	0.	2.616E-01	1.834E-20	0.	0.	0.	0.	0.	0.	1.100E+03
0.	0.	2.616E-01	1.629E-20	0.	0.	0.	0.	0.	0.	1.200E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H	H	H2	H2+	H+
1.300E+03	0.	6.614E-04	1.622E-09	2.636E-13	1.173E-14	2.041E-07	7.495E-01	5.946E-19	2.346E-19
1.400E+03	0.	6.515E-04	6.719E-09	2.325E-12	4.601E-14	6.973E-07	7.497E-01	5.421E-19	2.046E-19
1.500E+03	0.	3.247E-04	1.150E-08	1.543E-11	1.502E-13	3.247E-06	7.498E-01	4.932E-19	3.361E-19
1.600E+03	6.260E-30	2.436E-04	2.673E-08	8.043E-11	4.270E-13	1.003E-05	7.498E-01	4.484E-19	3.015E-19
1.700E+03	5.885E-27	1.853E-06	9.659E-07	3.469E-10	1.076E-12	2.717E-05	7.498E-01	4.085E-19	4.224E-19
1.800E+03	2.628E-26	1.516E-04	1.029E-07	1.269E-09	2.449E-12	6.602E-05	7.498E-01	3.730E-19	4.589E-19
1.900E+03	6.265E-22	1.244E-04	1.818E-07	4.050E-09	5.109E-12	1.463E-04	7.498E-01	3.419E-17	4.915E-19
2.000E+03	8.000E-20	1.042E-04	3.026E-07	1.151E-08	9.970E-12	2.998E-04	7.497E-01	3.438E-19	5.684E-19
2.100E+03	2.172E-18	8.856E-05	4.804E-07	2.962E-08	1.027E-11	5.742E-04	7.494E-01	1.033E-18	1.937E-18
2.200E+03	1.929E-17	7.708E-05	7.309E-07	6.994E-08	3.171E-11	1.038E-03	7.490E-01	6.390E-18	1.345E-17
2.300E+03	1.271E-16	6.767E-05	1.072E-06	1.532E-07	5.251E-11	1.782E-03	7.484E-01	3.705E-17	8.843E-17
2.400E+03	7.08E-16	6.006E-05	1.522E-06	3.146E-07	8.344E-11	2.926E-03	7.476E-01	1.963E-16	5.049E-16
2.500E+03	3.441E-15	5.381E-05	2.099E-06	8.086E-07	1.270E-10	4.621E-03	7.459E-01	8.952E-16	2.514E-15
2.600E+03	1.484E-14	6.858E-05	2.821E-06	1.120E-06	1.094E-10	7.044E-03	7.438E-01	3.639E-15	1.110E-14
2.700E+03	5.754E-14	6.414E-05	3.703E-06	1.967E-06	2.725E-10	1.041E-02	7.419E-01	1.335E-14	4.391E-16
2.800E+03	2.329E-13	6.029E-05	4.758E-06	3.315E-06	3.614E-10	1.494E-02	7.369E-01	4.464E-14	1.579E-13
2.900E+03	6.567E-13	3.690E-05	5.993E-06	5.303E-06	5.206E-10	2.091E-02	7.317E-01	1.374E-13	5.199E-13
3.000E+03	1.968E-12	3.387E-05	7.411E-06	8.449E-06	6.941E-10	2.666E-02	7.249E-01	3.923E-13	1.582E-12
3.100E+03	5.498E-12	3.112E-05	9.006E-06	1.205E-05	9.051E-10	3.827E-02	7.145E-01	1.046E-12	4.604E-12
3.200E+03	1.441E-11	2.858E-05	1.076E-05	1.900E-05	1.156E-09	5.022E-02	7.060E-01	2.62E-12	1.191E-11
3.300E+03	3.565E-11	2.622E-05	1.266E-05	2.739E-05	1.446E-09	6.449E-02	6.933E-01	6.190E-12	2.984E-11
3.400E+03	8.359E-11	2.396E-05	1.466E-05	3.841E-05	1.775E-09	8.192E-02	6.783E-01	1.390E-11	7.079E-11
3.500E+03	1.867E-10	2.182E-05	1.672E-05	5.271E-05	2.138E-09	1.021E-01	6.606E-01	2.971E-11	1.590E-10
3.600E+03	3.984E-10	1.977E-05	1.880E-05	7.077E-05	5.528E-09	1.253E-01	6.403E-01	6.064E-11	3.448E-10
3.700E+03	8.154E-10	1.781E-05	2.082E-05	9.310E-05	7.936E-09	1.516E-01	6.173E-01	1.186E-10	7.129E-10
3.800E+03	1.604E-09	1.593E-05	2.273E-05	1.201E-04	3.369E-09	1.808E-01	5.917E-01	2.230E-10	1.417E-09
3.900E+03	3.252E-09	1.413E-05	2.445E-05	1.521E-04	3.759E-09	2.129E-01	5.633E-01	4.036E-10	2.711E-09
4.000E+03	5.607E-09	1.263E-05	2.594E-05	1.893E-04	4.137E-09	2.476E-01	5.332E-01	7.053E-10	5.035E-09
4.100E+03	9.985E-09	1.083E-05	2.714E-05	2.318E-04	4.483E-09	2.845E-01	5.009E-01	1.192E-09	9.038E-09
4.200E+03	1.727E-08	9.342E-06	2.800E-05	2.789E-04	4.777E-09	3.230E-01	4.671E-01	1.951E-09	1.575E-08
4.300E+03	2.906E-08	7.976E-06	2.850E-05	3.309E-04	5.015E-09	3.627E-01	4.327E-01	3.098E-09	2.648E-08
4.400E+03	4.765E-08	6.740E-06	2.863E-05	3.870E-04	5.183E-09	4.922E-01	3.971E-01	4.782E-09	4.407E-08
4.500E+03	7.629E-08	5.637E-06	2.840E-05	4.466E-04	5.279E-09	4.429E-01	3.615E-01	7.185E-09	7.099E-08
4.600E+03	1.194E-07	4.667E-06	2.784E-05	5.089E-04	5.306E-09	4.822E-01	3.274E-01	1.052E-08	1.111E-07
4.700E+03	1.830E-07	3.827E-06	2.499E-05	5.732E-04	5.265E-09	5.201E-01	2.941E-01	1.504E-08	1.721E-07
4.800E+03	2.750E-07	3.112E-06	2.598E-05	6.388E-04	5.166E-09	5.561E-01	2.623E-01	2.101E-08	2.598E-07
4.900E+03	4.055E-07	2.510E-06	2.460E-05	7.048E-04	5.017E-09	5.099E-01	2.324E-01	2.074E-08	3.047E-07
5.000E+03	5.877E-07	2.011E-06	3.181E-05	7.707E-04	5.026E-09	6.210E-01	2.051E-01	3.854E-08	5.595E-07
5.200E+03	1.177E-06	1.270E-06	2.015E-05	9.000E-04	4.371E-09	5.749E-01	1.573E-01	6.570E-08	1.126E-06
5.400E+03	2.220E-06	7.924E-07	6.175E-05	1.024E-03	3.868E-09	7.175E-01	1.192E-01	1.052E-07	2.138E-06
5.600E+03	4.013E-06	4.920E-07	1.438E-05	1.140E-03	3.368E-09	7.498E-01	8.976E-02	1.601E-07	3.055E-06
5.800E+03	6.927E-06	3.063E-07	1.196E-05	1.248E-03	2.901E-09	7.734E-01	6.754E-02	2.332E-07	6.642E-06
6.000E+03	1.151E-05	1.921E-07	9.893E-06	1.374E-03	2.678E-09	7.900E-01	5.099E-02	3.274E-07	1.100E-05
6.200E+03	1.852E-05	1.216E-07	6.183E-06	1.435E-03	2.1C3E-09	8.012E-01	3.872E-02	4.644E-07	1.747E-05
6.400E+03	2.892E-05	7.765E-06	6.726E-06	1.511E-03	2.774E-09	8.080E-01	3.051E-01	3.854E-08	5.595E-07
6.600E+03	4.510E-05	5.309E-08	5.535E-05	1.573E-03	1.486E-09	8.115E-01	2.287E-02	5.088E-07	4.093E-06
6.800E+03	6.538E-05	3.296E-08	6.550E-06	1.620E-03	2.334E-09	8.123E-01	1.781E-02	9.770E-07	5.998E-05
7.000E+03	9.512E-06	2.173E-08	3.733E-06	1.650E-03	1.016E-09	8.109E-01	1.399E-02	1.220E-06	8.505E-05
7.200E+03	1.357E-06	1.445E-06	3.055E-06	1.661E-03	8.270E-10	8.078E-01	1.109E-02	1.998E-04	1.202E-04
7.400E+03	1.903E-06	9.670E-07	2.449E-06	1.654E-03	8.650E-10	8.035E-01	8.864E-02	1.813E-06	1.651E-04
7.600E+03	2.624E-06	6.5C9E-09	2.026E-06	1.627E-03	9.276E-10	7.981E-01	7.146E-02	2.168E-06	2.228E-04
7.800E+03	3.556E-06	4.403E-09	1.640E-06	1.626E-03	9.503E-10	7.923E-01	5.811E-02	2.563E-06	2.957E-04
8.000E+03	4.774E-06	2.994E-06	1.323E-06	1.522E-03	9.184E-10	7.861E-01	4.768E-03	3.003E-06	3.870E-04
8.200E+03	6.308E-06	2.045E-09	1.046E-06	1.449E-03	8.424E-10	7.801E-01	3.963E-03	3.490E-06	4.999E-04
8.400E+03	8.231E-06	1.405E-09	5.538E-07	1.365E-03	1.023E-09	7.743E-01	3.291E-03	4.031E-06	3.388E-04
8.600E+03	1.361E-03	9.718E-10	6.840E-07	1.727E-03	1.357E-10	7.691E-01	2.771E-03	4.030E-06	8.073E-04
8.800E+03	1.353E-03	6.767E-10	5.478E-07	1.165E-03	1.000E-10	7.644E-01	2.353E-03	5.299E-06	1.011E-03
9.000E+03	1.707E-03	4.749E-10	4.392E-07	1.054E-03	7.376E-11	7.604E-01	2.014E-03	6.029E-06	1.256E-03
9.200E+03	1.233E-03	3.362E-10	3.527E-07	1.006E-03	5.411E-11	7.568E-01	1.736E-03	6.040E-06	1.547E-03
9.400E+03	2.649E-03	2.400E-10	2.841E-07	9.229E-04	3.969E-11	7.538E-01	1.508E-03	7.732E-06	1.092E-03
9.600E+03	3.279E-03	1.730E-10	2.297E-07	8.456E-04	2.917E-11	7.511E-01	1.317E-03	8.708E-06	2.297E-03
9.800E+03	3.942E-03	1.259E-10	1.646E-07	7.719E-04	2.151E-11	7.487E-01	1.157E-03	9.771E-06	2.770F-03
1.000E+04	4.761E-03	9.231E-11	1.520E-07	7.086E-04	1.594E-11	7.446E-01	1.022E-03	1.092E-05	3.311E-03
1.100E+04	1.105E-02	2.225E-11	9.857E-08	6.621E-04	9.084E-12	7.349E-01	5.836E-03	1.006E-05	7.088E-03
1.200E+04	2.233E-02	6.325E-12	4.474E-08	3.099E-04	1.071E-12	7.184E-01	3.571E-04	2.735E-05	1.087E-02
1.300E+04	4.036E-02	1.995E-12	1.108E-08	2.111E-04	5.235E-13	6.929E-01	2.268E-04	3.017E-05	2.662E-02
1.400E+04	6.654E-02	6.652E-13	5.085E-09	1.431E-04	1.030E-13	6.561E-01	1.659E-04	4.932E-05	4.372E-02
1.500E+04	1.014E-01	2.221E-13	2.310E-09	4.846E-05	1.243E-14	6.071E-01	9.305E-05	5.909E-05	6.068E-02
1.600E+04	1.440E-01	7.533E-14	1.010E-09	6.02E-05	9.764E-15	5.646E-01	5.790E-05	6.535E-05	9.333E-02
1.700E+04	1.923E-01	2.155E-14	4.173E-10	3.653E-05	2.727E-15	4.769E-01	3.466E-05	6.761E-05	1.206E-01
1.800E+04	2.429E-01	5.959E-15	1.630E-10	2.028E-05	6.940E-16	4.030E-01	1.978E-05	6.458E-05	1.046E-01
1.900E+04	2.920E-01	1.500E-15	9.712E-11	1.119E-05	1.603E-16	3.300E-01	1.073E-05	5.738E-05	2.096E-01
2.000E+04	3.363E-01	3.471E-16	1.904E-11	5.707E-06	3.410E-17	2.627E-01	5.547E-06	4.775E-05	2.749E-01
2.100E+04	3.730E-01	7.539E-17	6.039E-12	2.803E-06	6.832E-18	2.047E-01	5.541E-06	3.760E-05	2.649E-01
2.200E+04	4.040E-01	1.581E-17	1.804E-12	1.346E-06	1.331E-18	1.573E-01	1.333E-06	2.638E-05	2.897F-01
2.300E+04	4								

TABLE II.- Continued

$N =$	N	N_2	N_{2+}	N_+	N_-	N_{++}	N_{+-}	N_{-+}	N_{--}	I
0.	1.782E-17	2.498E-01	2.331E-20	2.120E-32	0.	0.	0.	0.	0.	1.300E+03
0.	4.191E-16	2.699E-01	2.305E-20	2.520E-31	0.	0.	0.	0.	0.	1.400E+03
0.	6.462E-15	2.499E-01	2.252E-20	2.121E-30	0.	0.	0.	0.	0.	1.500E+03
0.	7.131E-14	2.499E-01	2.171E-20	1.350E-26	0.	0.	0.	0.	0.	1.600E+03
0.	5.925E-13	2.499E-01	2.079E-20	6.841E-29	0.	0.	0.	0.	0.	1.700E+03
2.591E-27	3.896E-12	2.500E-01	1.982E-20	2.871E-28	0.	0.	0.	0.	0.	1.800E+03
9.310E-25	2.113E-11	2.500E-01	1.886E-20	1.030E-27	0.	0.	0.	0.	0.	1.900E+03
1.707E-22	4.311E-11	2.499E-01	1.960E-20	3.535E-27	0.	0.	0.	0.	0.	2.000E+03
6.390E-21	3.796E-10	2.499E-01	6.061E-20	3.222E-26	1.260E-28	0.	0.	0.	0.	2.100E+03
7.56dE-20	1.325E-09	2.499E-01	3.850E-19	5.471E-25	3.631E-27	0.	0.	0.	0.	2.200E+03
6.456E-19	4.122E-09	2.499E-01	2.323E-18	8.142E-24	6.955E-26	0.	0.	0.	0.	2.300E+03
4.539E-18	1.183E-08	2.499E-01	1.232E-17	9.826E-23	1.027E-24	0.	0.	0.	0.	2.400E+03
2.722E-17	3.193E-08	2.499E-01	5.752E-22	9.752E-22	1.219E-23	0.	0.	0.	0.	2.500E+03
1.420E-16	7.556E-08	2.491E-01	2.303E-16	8.129E-21	1.194E-22	0.	0.	0.	0.	2.600E+03
6.541E-16	1.723E-07	2.487E-01	8.068E-16	5.801E-20	9.867E-22	0.	0.	0.	0.	2.700E+03
2.696E-15	3.704E-07	2.481E-01	3.016E-15	3.603E-19	6.999E-21	0.	0.	0.	0.	2.800E+03
1.006E-14	7.553E-07	2.474E-01	9.464E-15	1.976E-16	4.330E-20	0.	0.	0.	0.	2.900E+03
3.427E-14	1.464E-06	2.464E-01	2.759E-16	9.693E-16	2.366E-19	0.	0.	0.	0.	3.000E+03
1.076E-13	2.734E-06	2.452E-01	7.497E-16	4.297E-17	1.156E-18	0.	0.	0.	0.	3.100E+03
3.132E-13	4.894E-06	2.437E-01	1.916E-13	1.733E-13	5.113E-18	0.	0.	0.	0.	3.200E+03
8.511E-13	8.453E-06	2.419E-01	4.633E-13	6.471E-16	2.058E-17	0.	0.	0.	0.	3.300E+03
2.171E-12	1.413E-05	2.397E-01	1.063E-12	2.233E-15	7.611E-17	0.	0.	0.	0.	3.400E+03
5.225E-12	2.291E-05	2.372E-01	2.331E-12	7.190E-15	2.604E-16	0.	0.	0.	0.	3.500E+03
1.191E-11	3.613E-05	2.343E-01	4.895E-12	2.173E-14	8.290E-16	0.	0.	0.	0.	3.600E+03
2.240E-11	5.554E-05	2.310E-01	9.883E-12	6.155E-14	2.470E-15	0.	0.	0.	0.	3.700E+03
5.333E-11	9.339E-05	2.273E-01	1.924E-11	1.675E-13	6.920E-15	0.	0.	0.	0.	3.800E+03
1.055E-10	1.225E-04	2.232E-01	3.622E-11	4.308E-13	1.832E-14	0.	0.	0.	0.	3.900E+03
2.001E-10	1.762E-04	2.189E-01	6.610E-11	1.059E-12	4.589E-14	0.	0.	0.	0.	4.000E+03
3.650E-10	2.649E-04	2.142E-01	1.175E-10	2.449E-12	1.102E-13	0.	0.	0.	0.	4.100E+03
6.447E-10	3.453E-04	2.093E-01	2.031E-10	5.665E-12	2.511E-13	0.	0.	0.	0.	4.200E+03
1.040E-09	7.714E-04	2.042E-01	3.428E-10	1.240E-11	5.493E-13	0.	0.	0.	0.	4.300E+03
1.757E-08	5.344E-04	1.990E-01	5.661E-10	2.624E-11	1.154E-12	0.	0.	0.	0.	4.400E+03
2.852E-07	8.413E-04	1.937E-01	9.158E-10	5.387E-11	2.338E-12	0.	0.	0.	0.	4.500E+03
4.411E-07	1.101E-03	1.888E-01	1.454E-05	1.075F-10	4.572E-12	0.	0.	0.	0.	4.600E+03
6.638E-09	1.425E-03	1.834E-01	2.270E-09	2.086E-10	8.655E-12	0.	0.	0.	0.	4.700E+03
9.737E-09	1.682E-03	1.790E-01	3.488E-09	3.957E-10	1.590E-11	0.	0.	0.	0.	4.800E+03
1.344E-08	2.311E-03	1.745E-01	5.2e3E-09	7.328E-10	2.854E-11	0.	0.	0.	0.	4.900E+03
1.952E-08	2.401E-03	1.702E-01	7.893E-09	1.328E-09	4.971E-11	0.	0.	0.	0.	5.000E+03
3.604E-06	4.457E-06	1.624E-01	1.697E-08	4.105E-09	1.405E-10	0.	0.	0.	0.	5.200E+03
6.203E-05	6.624E-06	1.598E-01	3.487E-08	1.178E-08	3.647E-10	0.	0.	0.	0.	5.400E+03
1.007E-07	9.622E-03	1.497E-01	6.862E-08	3.162E-08	8.785E-10	0.	0.	0.	0.	5.600E+03
1.557E-07	1.301E-02	1.442E-01	1.297E-07	7.967E-08	1.982E-09	0.	0.	0.	0.	5.800E+03
2.311E-07	1.671E-02	1.388E-01	2.354E-07	1.893E-07	4.214E-09	1.233E-25	0.	0.	0.	6.000E+03
3.314E-07	2.534E-02	1.333E-01	4.105E-07	4.258E-07	8.487E-09	1.185E-24	0.	0.	0.	6.200E+03
6.615E-07	3.361E-02	1.273E-01	6.882E-07	9.043E-07	1.622E-08	9.886E-24	0.	0.	0.	6.400E+03
6.267E-07	4.326E-02	1.237E-01	1.110E-06	1.868E-06	2.980E-08	7.242E-23	0.	0.	0.	6.600E+03
8.324E-07	5.479E-02	1.174E-01	1.721E-06	3.586E-06	5.231E-08	4.699E-22	0.	0.	0.	6.800E+03
1.040E-06	7.939E-02	1.053E-01	6.564E-06	8.821E-06	8.724E-21	0.	0.	0.	0.	7.000E+03
1.349E-06	9.271E-02	9.444E-02	3.686E-06	1.184E-05	1.432E-20	0.	0.	0.	0.	7.200E+03
1.749E-06	9.464E-06	7.702E-02	5.091E-06	2.023E-05	2.242E-07	6.719E-20	0.	0.	0.	7.400E+03
2.174E-06	1.154E-01	7.720E-02	6.769E-06	3.326E-05	3.190E-07	2.898E-19	0.	0.	0.	7.600E+03
2.664E-06	1.323E-01	6.730E-02	8.668E-06	5.270E-05	4.270E-06	4.495E-07	1.147E-18	0.	0.	7.800E+03
3.437E-06	1.490E-01	5.701E-02	1.070E-05	6.065E-05	7.027E-07	4.188E-18	0.	0.	0.	8.000E+03
5.86dE-06	1.588E-01	4.644E-02	1.276E-05	1.195E-04	9.661E-07	1.420E-17	0.	0.	0.	8.200E+03
6.621E-06	1.793E-01	4.066E-02	1.706E-05	1.717E-06	4.493E-17	0.	0.	0.	0.	8.400E+03
9.448E-06	1.421E-01	3.263E-02	1.653E-05	2.401E-04	1.343E-16	0.	0.	0.	0.	8.600E+03
6.371E-06	2.331E-01	2.625E-02	1.607E-05	3.273E-04	2.138E-16	0.	0.	0.	0.	8.800E+03
7.345E-06	2.122E-01	2.091E-02	1.932E-05	4.363E-04	2.662E-06	9.918E-16	0.	0.	0.	9.000E+03
8.524E-06	2.194E-01	1.655E-02	2.027E-05	5.708E-04	3.253E-06	2.508E-15	0.	0.	0.	9.200E+03
9.700E-06	2.259E-01	1.304E-02	2.096E-05	7.333E-04	3.910E-06	6.065E-15	0.	0.	0.	9.400E+03
1.111E-05	2.300E-01	1.246E-02	2.142E-05	9.2d1E-04	4.633E-06	1.408E-14	0.	0.	0.	9.600E+03
1.256E-05	2.334E-01	9.707E-03	2.188E-05	1.155E-03	5.422E-06	3.150E-14	0.	0.	0.	9.800E+03
2.394E-06	1.421E-02	2.056E-02	1.653E-05	2.401E-04	1.334E-16	0.	0.	0.	0.	1.000E+04
2.398E-05	2.398E-02	2.049E-02	2.052E-05	3.563E-03	1.148E-05	2.077E-12	0.	0.	0.	1.100E+04
3.497E-05	2.355E-01	1.935E-02	7.363E-05	7.466E-03	1.795E-05	3.568E-11	0.	0.	0.	1.200E+04
4.718E-05	2.255E-01	1.911E-02	1.664E-05	1.376E-02	2.485E-05	3.969E-10	3.845E-25	0.	0.	1.300E+04
5.626E-05	2.192E-01	1.214E-02	1.402E-05	2.2d5E-02	3.096E-05	3.14CE-09	4.581E-23	0.	0.	1.400E+04
6.614E-05	1.930E-01	5.233E-05	1.127E-05	3.671E-02	3.493E-05	1.889E-08	2.965E-21	0.	0.	1.500E+04
6.912E-05	1.652E-01	2.263E-05	8.562E-05	4.871E-02	3.581E-05	9.085E-08	1.117E-19	0.	0.	1.600E+04
6.656E-05	1.301E-01	9.623E-05	6.113E-05	6.375E-02	3.346E-05	3.629E-07	3.104E-18	0.	0.	1.700E+04
5.936E-05	1.139E-01	9.797E-05	4.103E-05	7.832E-02	2.863E-05	1.241E-06	5.895E-17	0.	0.	1.800E+04
4.412E-05	6.205E-02	1.593E-05	2.594E-05	9.113E-02	2.263E-05	3.727E-06	8.495E-16	0.	0.	1.900E+04
3.807E-05	6.051E-02	1.230E-05	1.566E-05	1.014E-01	1.675E-05	1.006E-05	9.703E-15	0.	0.	2.000E+04
2.798E-05	6.755E-02	2.099E-05	9.166E-05	1.175E-01	2.472E-05	9.093E-14	0.	0.	2.100E+04	
1.777E-05	3.473E-02	9.3075E-05	5.247E-05	1.162E-01	8.042E-06	5.660E-05	7.101E-13	0.	0.	2.200E+04
1.563E-05	2.554E-02	3.713E-02	3.044E-07	1.177E-01	5.395E-06	1.206E-04	4.877E-12	0.	0.	2.300E+04
9.250E-06	1.670E-02	1.517E-02	1.777E-07	1.195E-01	5.604E-06	2.454E-04	2.095E-11	0.	0.	2.400E+04
6.319E-06	1.374E-02	6.425E-02	1.059E-05	1.025E-01	2.419E-06	4.691E-04	1.521E-10	0.	0.	2.500E+04
3.323E-06	1.054E-02	2.027E-05	6.357E-08	1.210E-01	1.640E-06	6.821E-04	7.150E-10	0.	0.	2.600E+04
2.951E-06	8.007E-03	1.291E-05	3.910E-08	1.217E-01	1.126E-06	1.519E-03	3.033E-09	0.	0.	2.700E+04
2.059E-06	6.294E-03	6.098E-05	2.443E-08	1.210E-01	7.834E-07	2.571E-03	1.17CE-08	0.	0.	2.800E+04
1.498E-06	6.938E-03	2.065E-05	1.546E-08	1.190E-01</td						

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	5.113E-01	7.394E-25	5.159E-18	3.887E-10	2.796E-26	1.110E-02	4.736E-10	6.015E-07	3.555E-01
3.600E+04	5.163E-01	2.663E-25	2.314E-18	2.245E-10	0.839E-27	9.795E-03	3.033E-10	4.757E-07	3.530E-01
3.700E+04	5.212E-01	9.786E-26	1.056E-18	1.302E-10	2.800E-27	8.707E-03	1.979E-10	3.195E-07	3.504E-01
3.800E+04	5.260E-01	3.665E-26	4.865E-19	7.545E-11	0.888E-28	7.792E-03	1.314E-10	3.055E-07	3.477E-01
3.900E+04	5.304E-01	1.399E-26	2.247E-19	4.375E-11	2.034E-28	7.014E-03	8.871E-11	2.480E-07	3.452E-01
4.000E+04	5.344E-01	5.466E-27	1.056E-19	2.542E-11	6.098E-29	6.349E-03	6.081E-11	2.031E-07	3.429E-01
4.100E+04	5.379E-01	2.163E-27	5.003E-20	1.483E-11	2.953E-29	5.775E-03	4.230E-11	1.676E-07	3.408E-01
4.200E+04	5.409E-01	8.773E-28	2.409E-20	8.703E-12	9.715E-30	5.277E-03	2.903E-11	1.395E-07	3.391E-01
4.300E+04	5.435E-01	3.636E-28	1.177E-20	5.143E-12	9.253E-30	4.842E-03	2.131E-11	1.169E-07	3.375E-01
4.400E+04	5.458E-01	1.540E-28	5.840E-21	3.046E-12	1.105E-30	4.460E-03	1.541E-11	9.858E-08	3.342E-01
4.500E+04	5.479E-01	6.666E-29	2.963E-21	1.842E-12	3.857E-31	4.121E-03	1.128E-11	8.368E-08	3.350E-01
4.600E+04	5.498E-01	2.945E-29	1.506E-21	1.117E-12	0.	3.820E-03	8.330E-12	7.144E-08	3.338E-01
4.700E+04	5.516E-01	1.328E-29	7.819E-22	6.833E-19	0.	3.551E-03	6.227E-12	6.131E-08	3.320E-01
4.800E+04	5.534E-01	6.097E-30	4.116E-22	4.215E-19	0.	3.310E-03	4.696E-12	5.286E-08	3.317E-01
4.900E+04	5.552E-01	2.849E-30	2.194E-22	2.619E-19	0.	3.092E-03	3.572E-12	4.578E-08	3.305E-01
5.000E+04	5.571E-01	1.352E-30	1.183E-22	1.638E-19	0.	2.895E-03	2.740E-12	3.980E-08	3.293E-01

P/P0 = 2.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.323E-01	1.586E-20	7.558E-35	1.459E-28	8.479E-22	3.508E-01	1.297E-10	1.245E-21
6.000E+02	0.	1.956E-01	2.714E-17	7.245E-29	1.810E-24	7.370E-16	6.033E-01	1.006E-18	3.988E-21
7.000E+02	0.	5.748E-02	3.828E-15	1.079E-24	9.283E-22	4.356E-15	7.369E-01	8.702E-19	1.008E-20
8.000E+02	0.	1.699E-02	1.364E-13	1.343E-21	8.404E-20	4.007E-13	7.350E-01	8.277E-19	2.532E-20
9.000E+02	0.	7.582E-03	2.126E-12	3.363E-19	2.669E-18	2.063E-11	7.443E-01	7.906E-19	4.950E-20
1.000E+03	0.	3.563E-03	1.873E-11	2.775E-17	4.195E-17	4.009E-10	7.473E-01	7.502E-19	8.404E-20
1.100E+03	0.	1.905E-03	1.111E-10	1.022E-15	3.986E-16	4.569E-09	7.486E-01	7.039E-19	1.272E-19
1.200E+03	0.	1.126E-03	4.865E-10	2.063E-14	2.606E-15	3.487E-08	7.492E-01	6.533E-19	1.761E-19
1.300E+03	0.	7.214E-04	1.694E-09	2.630E-13	1.279E-14	1.954E-07	7.495E-01	6.011E-19	2.275E-19
1.400E+03	0.	4.925E-04	4.929E-09	2.325E-12	5.010E-12	6.591E-07	7.496E-01	5.500E-19	2.786E-19
1.500E+03	0.	3.541E-04	1.243E-08	1.943E-11	1.646E-13	3.109E-06	7.497E-01	5.017E-19	3.273E-19
1.600E+03	0.	5.636E-30	2.657E-04	2.792E-08	8.036E-11	4.667E-07	9.600E-06	7.498E-01	4.573E-19
1.700E+03	0.	5.280E-27	2.065E-04	5.701E-08	3.469E-10	1.174E-12	2.602E-05	7.498E-01	4.173E-19
1.800E+03	0.	2.354E-24	1.653E-04	1.075E-07	1.269E-09	2.672E-12	6.321E-05	7.499E-01	3.817E-19
1.900E+03	0.	6.675E-16	6.554E-05	1.590E-06	3.146E-07	9.104E-11	2.802E-03	7.475E-01	1.909E-16
2.000E+03	0.	3.243E-15	5.873E-05	2.193E-06	6.089E-07	1.395E-09	6.424E-01	7.461E-01	8.710E-16
2.100E+03	0.	1.398E-15	5.303E-05	2.947E-06	1.120E-06	2.066E-10	6.745E-03	7.441E-01	3.542E-15
2.200E+03	0.	5.119E-14	4.819E-05	3.870E-06	1.964E-06	2.975E-10	9.965E-03	7.412E-01	1.300E-14
2.300E+03	0.	1.910E-13	4.401E-05	4.974E-06	3.317E-06	4.165E-10	1.431E-02	7.374E-01	4.349E-13
2.400E+03	0.	6.182E-13	4.033E-05	6.288E-06	5.307E-06	9.688E-10	2.003E-02	7.324E-01	1.339E-13
2.500E+03	0.	1.852E-12	3.704E-05	7.794E-06	8.457E-06	7.507E-10	2.740E-02	7.260E-01	3.826E-13
2.600E+03	0.	5.174E-12	3.408E-05	9.428E-06	1.287E-05	9.901E-10	3.668E-02	7.179E-01	1.021E-12
2.700E+03	0.	1.356E-11	3.131E-05	1.128E-05	1.904E-05	1.265E-09	4.814E-02	7.078E-01	2.559E-12
2.800E+03	0.	3.354E-11	2.875E-05	1.328E-05	2.742E-05	1.585E-09	6.204E-02	6.957E-01	6.057E-12
2.900E+03	0.	7.867E-11	2.633E-05	1.539E-05	3.053E-05	1.948E-09	7.860E-02	6.812E-01	1.360E-11
3.000E+03	0.	1.757E-10	2.402E-05	1.758E-05	5.291E-05	2.350E-09	9.800E-02	6.642E-01	2.909E-11
3.100E+03	0.	3.750E-10	2.182E-05	1.979E-05	7.111E-05	2.784E-09	1.204E-01	6.446E-01	5.945E-11
3.200E+03	0.	7.679E-10	1.970E-05	2.194E-05	9.363E-05	3.235E-09	1.457E-01	6.224E-01	1.164E-10
3.300E+03	0.	1.513E-09	1.767E-05	2.402E-05	1.209E-04	3.704E-09	1.740E-01	5.976E-01	2.192E-10
3.400E+03	0.	2.075E-09	1.573E-05	2.591E-05	1.533E-04	4.164E-09	2.051E-01	5.704E-01	3.975E-10
3.500E+03	0.	5.285E-09	1.389E-05	2.793E-05	1.911E-04	4.602E-09	2.388E-01	5.404E-01	6.958E-10
3.600E+03	0.	9.416E-09	1.215E-05	2.891E-05	2.242E-04	5.003E-09	2.747E-01	5.094E-01	1.178E-09
3.700E+03	0.	1.629E-08	1.053E-05	2.992E-05	3.282E-04	5.352E-09	3.123E-01	4.764E-01	1.933E-09
3.800E+03	0.	2.763E-08	9.037E-06	3.056E-05	3.359E-04	5.637E-09	3.512E-01	4.423E-01	3.078E-09
3.900E+03	0.	4.502E-08	7.677E-06	3.082E-05	3.936E-04	5.844E-09	3.908E-01	4.076E-01	4.763E-08
4.000E+03	0.	7.214E-08	6.456E-06	3.096E-05	4.551E-04	5.982E-09	4.304E-01	3.728E-01	6.168E-08
4.100E+03	0.	1.130E-07	5.376E-06	3.020E-05	5.197E-04	6.036E-09	4.846E-01	3.304E-01	1.054E-07
4.200E+03	0.	1.733E-07	4.435E-06	2.939E-05	5.866E-04	6.015E-09	5.073E-01	3.052E-01	1.511E-08
4.300E+03	0.	2.606E-07	3.627E-06	2.830E-05	6.550E-04	5.926E-09	5.436E-01	2.734E-01	2.117E-08
4.400E+03	0.	3.847E-07	2.943E-06	2.700E-05	7.241E-04	5.777E-09	5.777E-01	2.433E-01	2.905E-08
4.500E+03	0.	5.380E-07	2.371E-06	2.554E-05	7.933E-04	5.580E-09	6.093E-01	2.154E-01	3.907E-08
4.600E+03	0.	1.119E-06	1.514E-06	2.236E-05	9.296E-04	5.087E-09	6.446E-01	1.664E-01	6.490E-08
4.700E+03	0.	2.122E-06	9.532E-07	1.914E-05	1.061E-03	4.524E-09	7.088E-01	1.269E-01	1.078E-07
4.800E+03	0.	3.827E-06	9.966E-07	1.614E-05	1.186E-03	3.982E-09	7.927E-01	9.608E-02	1.447E-07
4.900E+03	0.	6.161E-06	3.738E-07	1.340E-05	1.299E-03	4.246E-09	7.678E-01	7.262E-02	2.408E-07
5.000E+03	0.	1.000E-05	2.357E-07	1.119E-05	1.404E-03	2.938E-09	5.502E-02	3.393E-07	1.050E-05
5.100E+03	0.	1.769E-05	1.499E-07	9.240E-06	1.498E-03	2.501E-09	5.779E-01	4.190E-02	4.634E-07
5.200E+03	0.	2.764E-05	9.633E-06	7.651E-06	1.580E-03	2.117E-09	6.057E-01	3.214E-02	6.163E-07
5.300E+03	0.	4.234E-05	6.256E-06	6.313E-06	1.666E-03	1.779E-09	6.099E-01	2.468E-02	8.008E-07
5.400E+03	0.	6.821E-05	4.104E-06	5.202E-06	1.700E-03	1.403E-09	8.113E-01	1.938E-02	1.019E-06
5.500E+03	0.	9.095E-05	2.716E-06	4.279E-06	1.739E-03	1.225E-09	8.105E-01	1.525E-02	1.274E-06
5.600E+03	0.	1.208E-04	1.812E-06	3.511E-06	1.751E-03	1.002E-09	8.070E-01	1.216E-02	1.566E-06
5.700E+03	0.	1.820E-04	1.217E-06	2.873E-06	1.747E-03	8.096E-10	8.030E-01	9.679E-03	1.098E-06
5.800E+03	0.	2.516E-04	8.216E-06	2.362E-06	1.723E-03	6.456E-10	7.988E-01	7.809E-03	2.271E-06
5.900E+03	0.	3.409E-04	5.578E-06	1.903E-06	1.681E-03	5.079E-10	7.932E-01	6.354E-03	2.687E-06
6.000E+03	0.	4.505E-04	3.805E-06	1.540E-06	1.621E-03	3.941E-10	7.672E-01	5.213E-03	3.148E-06
6.100E+03	0.	6.033E-04	2.608E-06	1.242E-06	1.548E-03	3.010E-10	7.612E-01	4.316E-03	3.600E-06
6.200E+03	0.	7.872E-04	1.797E-06	9.959E-07	1.463E-03	2.203E-10	7.755E-01	3.601E-03	4.227E-06
6.300E+03	0.	1.015E-03	1.246E-06	8.029E-07	1.371E-03	1.710E-10</td			

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.945E-07	1.216E-03	4.851E-12	9.323E-10	8.617E-02	7.566E-08	3.679E-02	1.492E-05	1.979E-12	3.500E+04
2.395E-07	9.408E-04	2.383E-12	5.479E-10	7.677E-02	5.364E-08	4.319E-02	3.097E-05	6.725E-12	3.600E+04
1.979E-07	7.201E-04	1.151E-12	3.143E-10	6.714E-02	3.783E-08	5.177E-02	6.264E-05	3.477E-11	3.700E+04
1.659E-07	5.454E-04	5.477E-13	1.763E-10	5.775E-02	2.647E-08	6.009E-02	1.118E-04	1.264E-10	3.800E+04
1.409E-07	4.095E-04	2.573E-13	9.708E-11	4.898E-02	1.039E-08	6.782E-02	1.966E-04	4.230E-10	3.900E+04
1.212E-07	3.053E-04	1.199E-13	5.273E-11	4.107E-02	1.272E-08	7.471E-02	3.310E-04	1.314E-09	4.000E+04
1.053E-07	2.266E-04	5.533E-14	2.838E-11	3.614E-02	6.051E-09	8.555E-02	8.389E-04	1.063E-09	4.100E+04
9.247E-08	1.677E-04	2.573E-14	1.521E-12	2.822E-02	6.051E-09	8.555E-02	1.274E-03	2.702E-08	4.200E+04
8.190E-08	1.241E-04	1.199E-14	8.165E-12	2.324E-02	4.165E-09	9.948E-02	1.274E-03	2.702E-08	4.300E+04
7.311E-08	9.182E-05	5.631E-15	4.371E-12	1.910E-02	2.879E-09	9.246E-02	1.883E-03	6.054E-08	4.400E+04
6.573E-08	6.808E-05	2.660E-15	2.356E-12	1.569E-02	1.997E-09	9.456E-02	2.715E-03	1.565E-07	4.500E+04
5.948E-08	5.059E-05	1.267E-15	1.276E-12	1.248E-02	1.390E-09	9.580E-02	3.627E-03	3.526E-07	4.600E+04
5.413E-08	3.766E-05	6.097E-16	6.490E-13	1.059E-02	9.719E-10	9.621E-02	5.200E-03	7.627E-07	4.700E+04
4.951E-08	2.812E-05	3.802E-16	8.680E-13	8.682E-10	9.581E-02	7.136E-03	1.508E-06	4.800E+04	
4.549E-08	2.102E-05	1.444E-16	2.089E-13	7.122E-03	9.460E-02	9.452E-03	3.184E-06	4.900E+04	
4.198E-08	1.573E-05	7.092E-17	1.150E-13	5.838E-03	3.393E-10	9.259E-02	1.227E-02	6.162E-06	5.000E+04

P/PQ = 2.40E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.169E-01	6.199E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.011E-01	8.660E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.356E-01	1.148E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.833E-29	2.453E-01	1.475E-20	0.	0.	0.	0.	0.	8.000E+02
0.	5.211E-26	2.441E-01	1.7d5F-29	0.	0.	0.	0.	0.	9.000E+02
0.	3.031E-24	2.441E-01	2.034E-20	0.	0.	0.	0.	0.	1.000E+03
0.	5.562E-21	2.495E-01	2.218E-20	0.	0.	0.	0.	0.	1.100E+03
0.	4.297E-19	2.497E-01	2.322E-20	1.116E-33	0.	0.	0.	0.	1.200E+03
0.	1.707E-17	2.496E-01	2.355E-20	2.054E-32	0.	0.	0.	0.	1.300E+03
0.	4.312E-16	2.497E-01	2.343E-20	2.444E-31	0.	0.	0.	0.	1.400E+03
0.	6.207E-15	2.459E-01	2.290F-20	2.065E-30	0.	0.	0.	0.	1.500E+03
0.	6.027E-14	2.499E-01	2.214E-20	1.318E-29	0.	0.	0.	0.	1.600E+03
0.	5.673E-13	2.495E-01	2.124E-20	6.692E-29	0.	0.	0.	0.	1.700E+03
2.444E-27	1.733E-12	2.330E-01	2.028E-20	2.813E-28	0.	0.	0.	0.	1.800E+03
6.095E-25	2.144E-11	2.499E-01	1.934E-20	1.011E-27	0.	0.	0.	0.	1.900E+03
1.086E-24	9.192E-11	2.499E-01	1.995E-20	3.445E-27	0.	0.	0.	0.	2.000E+03
6.242E-21	3.645E-10	2.495E-01	5.941E-20	3.024E-26	1.230E-28	0.	0.	0.	2.100E+03
7.450F-20	1.269E-09	2.459E-01	3.744E-19	5.095E-25	3.575E-27	0.	0.	0.	2.200E+03
6.357E-19	3.479E-09	2.498E-01	2.269E-18	7.577E-24	6.854E-26	0.	0.	0.	2.300E+03
4.470E-18	1.173E-08	2.498E-01	1.198E-17	9.144E-23	1.012E-24	0.	0.	0.	2.400E+03
2.640E-17	2.971E-08	2.499E-01	5.597E-17	9.082E-22	1.200E-23	0.	0.	0.	2.500E+03
1.397E-16	7.235E-08	2.491E-01	2.319E-16	7.573E-21	1.175E-22	0.	0.	0.	2.600E+03
6.436E-15	1.650E-07	2.487E-01	6.432E-16	5.406E-20	9.707E-22	0.	0.	0.	2.700E+03
2.653E-15	2.462E-07	2.496E-01	2.950E-15	3.359E-19	6.485E-21	0.	0.	0.	2.800E+03
9.495E-15	7.233E-07	2.475E-01	9.246E-15	1.833E-18	4.258E-20	0.	0.	0.	2.900E+03
3.725E-15	1.406E-06	2.466E-01	2.689E-18	4.041E-18	2.328E-19	0.	0.	0.	3.000E+03
1.056E-13	2.619E-06	2.654E-01	7.330E-14	4.009E-17	1.138E-18	0.	0.	0.	3.100E+03
3.032E-13	4.040E-06	2.640E-01	1.866E-13	4.022E-16	5.025F-18	0.	0.	0.	3.200E+03
8.300E-13	6.299E-06	2.422E-01	4.516E-13	6.039E-16	2.324E-17	0.	0.	0.	3.300E+03
2.139E-12	1.354E-05	2.401E-01	1.036E-12	2.084E-15	7.488E-17	0.	0.	0.	3.400E+03
5.150E-12	2.377E-05	2.475E-12	2.275E-12	2.712E-15	2.502E-16	0.	0.	0.	3.500E+03
1.175E-11	3.464E-05	2.349E-01	4.779E-14	2.029E-14	8.161E-16	0.	0.	0.	3.600E+03
2.564E-11	5.232E-05	2.317E-01	6.652E-12	5.784E-14	2.443E-15	0.	0.	0.	3.700E+03
5.273E-11	7.999E-05	2.281E-01	1.880E-11	1.563E-13	6.821E-15	0.	0.	0.	3.800E+03
1.944E-10	1.175E-04	2.242E-01	3.541E-11	4.022E-13	1.807E-14	0.	0.	0.	3.900E+03
1.984E-10	1.642E-04	2.199E-01	6.466E-11	9.889E-13	4.541E-14	0.	0.	0.	4.000E+03
3.626E-10	2.389E-04	2.156E-01	1.149E-10	2.331E-12	1.066E-13	0.	0.	0.	4.100E+03
6.387E-10	3.317E-04	2.106E-01	1.986E-10	5.286E-13	2.473E-13	0.	0.	0.	4.200E+03
1.087E-09	4.529E-04	2.056E-01	3.352E-10	1.156E-11	5.436E-13	0.	0.	0.	4.300E+03
1.790E-09	6.094E-04	2.036E-01	5.534E-10	2.447E-11	1.144E-12	0.	0.	0.	4.400E+03
2.059E-09	8.046E-04	1.955E-01	8.950E-10	5.021E-11	2.316E-12	0.	0.	0.	4.500E+03
6.433E-09	1.059E-03	1.904E-01	1.421E-09	1.001E-10	4.138E-12	0.	0.	0.	4.600E+03
6.691E-09	1.372E-03	1.854E-01	2.216E-09	1.943E-10	8.595E-12	0.	0.	0.	4.700E+03
9.841E-09	1.724E-03	1.801E-01	3.603E-09	3.680E-10	1.581E-11	0.	0.	0.	4.800E+03
1.413E-08	2.242E-03	1.767E-01	5.150E-09	6.810E-10	2.841E-11	0.	0.	0.	4.900E+03
1.944E-08	2.747E-03	1.717E-01	7.686E-09	1.233E-09	4.952E-11	0.	0.	0.	5.000E+03
3.682E-08	4.285E-03	1.676E-01	1.650E-08	3.804E-09	1.401E-10	0.	0.	0.	5.200E+03
6.367E-08	6.333E-03	1.569E-01	3.383E-08	1.090E-08	3.662E-10	0.	0.	0.	5.400E+03
1.038E-07	9.250E-07	1.508E-01	6.649E-08	2.921E-08	8.784E-10	0.	0.	0.	5.600E+03
1.604E-07	1.337E-02	1.455E-01	1.254E-07	7.352E-08	1.983E-09	0.	0.	0.	5.800E+03
2.354E-07	1.804E-02	1.394E-01	2.275E-07	1.766E-07	4.218E-09	1.092E-25	0.	0.	6.000E+03
3.640E-07	2.433E-02	1.343E-01	3.967E-07	3.926E-07	8.501E-09	1.048E-24	0.	0.	6.200E+03
4.798E-07	3.217E-02	1.284E-01	6.656E-07	8.384E-07	1.631E-08	8.743E-24	0.	0.	6.400E+03
6.523E-07	4.162E-02	1.219E-01	1.075E-06	1.705E-06	2.990E-08	6.406E-23	0.	0.	6.600E+03
8.672E-07	5.276E-02	1.147E-01	1.670E-06	3.311E-06	5.255E-08	4.160E-22	0.	0.	6.800E+03
1.130E-06	6.557E-02	1.366E-01	2.498E-06	6.153E-06	8.874E-08	2.414E-21	0.	0.	7.000E+03
1.484E-06	7.909E-02	9.819E-02	3.597E-06	1.096E-05	1.443E-07	1.261E-20	0.	0.	7.200E+03
1.846E-06	10.546E-02	6.810E-02	4.987E-06	1.877E-05	2.263E-07	5.975E-20	0.	0.	7.400E+03
2.270E-06	1.119E-01	7.923E-02	6.666E-06	3.042E-05	3.430E-07	2.553E-19	0.	0.	7.600E+03
2.786E-06	1.287E-01	6.942E-02	8.571E-06	4.912E-05	5.303E-07	1.225E-18	0.	0.	7.800E+03
3.381E-06	1.453E-01	5.976E-02	1.064E-05	7.536E-05	7.148E-07	3.753E-18	0.	0.	8.000E+03
4.080E-06	1.612E-01	5.059E-02	1.277E-05	1.120E-04	9.816E-07	1.277E-17	0.	0.	8.200E+03
4.822E-06	1.779E-01	4.220E-02	1.483E-05	1.611E-04	1.321E-06	4.048E-17	0.	0.	8.400E+03
5.642E-06	1.834E-01	3.446E-02	1.672E-05	2.233E-04	1.722E-06	1.204E-16	0.	0.	8.600E+03
6.557E-06	2.333E-01	2.785E-02	1.878E-05	3.093E-04	2.201E-06	3.803E-16	0.	0.	8.800E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	1.634E-03	6.118E-10	4.179E-07	1.181E-03	9.382E-11	7.612E-01	2.202E-03	6.317E-06	1.209E-03
9.200E+03	2.041E-03	4.338E-10	4.168E-07	1.089E-03	6.910E-11	7.576E-01	1.898E-03	7.163E-06	1.484E-03
9.400E+03	2.527E-03	3.102E-10	3.342E-07	1.000E-03	5.067E-11	7.565E-01	1.648E-03	8.094E-06	1.814E-03
9.600E+03	3.100E-03	2.238E-10	2.722E-07	9.176E-04	3.769E-11	7.517E-01	1.439E-03	9.114E-06	2.202E-03
9.800E+03	3.774E-03	1.629E-10	2.212E-07	8.611E-04	2.772E-11	7.493E-01	1.265E-03	1.022E-03	2.655E-03
1.000E+04	4.558E-03	1.197E-10	1.805E-07	7.708E-04	2.057E-11	7.470E-01	1.117E-03	1.143E-03	3.180E-03
1.100E+04	1.059E-02	2.895E-11	6.970E-08	9.045E-04	9.024E-12	7.354E-01	6.380E-04	1.090E-03	7.174E-03
1.200E+04	2.140E-02	2.957E-12	2.957E-08	3.393E-04	1.500E-12	7.197E-01	3.910E-04	2.084E-03	1.423E-02
1.300E+04	3.871E-02	2.632E-12	1.333E-08	2.319E-04	4.266E-13	6.952E-01	2.491E-04	4.004E-03	2.553E-02
1.400E+04	6.390E-02	8.866E-13	0.164E-09	1.582E-04	1.372E-13	6.599E-01	1.609E-04	5.194E-03	4.194E-02
1.500E+04	9.752E-02	2.596E-13	2.831E-09	1.056E-04	4.386E-14	6.125E-01	1.033E-04	6.252E-03	6.410E-02
1.600E+04	1.389E-01	9.034E-14	1.257E-09	0.796E-05	4.399E-14	5.538E-01	6.487E-05	6.991E-03	9.183E-02
1.700E+04	1.801E-01	3.034E-14	5.285E-10	4.162E-05	3.861E-15	4.860E-01	3.924E-05	7.258E-03	1.242E-01
1.800E+04	2.359E-01	8.624E-15	2.074E-10	2.008E-05	1.012E-15	4.135E-01	2.271E-05	7.001E-03	1.595E-01
1.900E+04	2.844E-01	2.241E-15	7.572E-11	1.315E-04	2.414E-16	3.611E-01	1.251E-05	6.291E-05	1.953E-01
2.000E+04	3.292E-01	5.360E-16	2.587E-11	6.822E-06	5.315E-16	2.737E-01	6.570E-06	9.297E-05	2.293E-01
2.100E+04	3.673E-01	1.201E-16	6.400E-12	3.404E-06	1.099E-17	2.149E-01	3.320E-06	4.220E-05	2.595E-01
2.200E+04	3.983E-01	2.591E-17	2.648E-12	1.659E-06	2.201E-18	1.664E-01	1.634E-06	2.221E-05	2.849E-01
2.300E+04	4.224E-01	5.531E-18	6.201E-13	8.025E-07	4.399E-19	1.280E-01	7.944E-07	2.385E-05	3.051E-01
2.400E+04	4.607E-01	1.199E-18	2.620E-13	3.904E-07	9.003E-20	9.857E-02	3.865E-07	1.739E-03	3.208E-01
2.500E+04	4.545E-01	2.692E-19	8.510E-16	1.928E-07	4.921E-20	7.643E-02	1.902E-07	1.293E-03	3.327E-01
2.600E+04	4.647E-01	6.339E-20	2.846E-16	9.730E-08	4.319E-21	5.990E-02	9.545E-08	9.042E-06	3.415E-01
2.700E+04	4.725E-01	1.576E-20	1.004E-16	5.034E-08	1.029E-21	4.757E-02	4.906E-08	6.559E-06	3.480E-01
2.800E+04	4.786E-01	4.150E-21	3.669E-15	2.670E-08	2.599E-22	3.832E-02	2.588E-08	4.797E-06	3.527E-01
2.900E+04	4.836E-01	1.156E-21	1.307E-15	1.450E-08	6.933E-23	3.131E-02	1.404E-08	3.543E-06	3.560E-01
3.000E+04	4.879E-01	3.396E-22	5.526E-16	8.045E-09	1.043E-23	2.594E-02	7.827E-09	2.645E-06	3.581E-01
3.100E+04	4.920E-01	1.047E-22	2.262E-16	4.545E-09	5.797E-24	2.177E-02	4.481E-09	1.990E-06	3.592E-01
3.200E+04	4.961E-01	3.373E-23	9.534E-17	2.603E-09	1.717E-24	1.850E-02	2.631E-09	1.921E-06	3.594E-01
3.300E+04	5.003E-01	1.128E-23	4.110E-17	1.506E-09	5.324E-25	1.509E-02	1.583E-09	1.172E-06	3.580E-01
3.400E+04	5.049E-01	3.692E-24	1.810E-17	6.771E-10	1.679E-25	1.379E-02	9.730E-10	9.107E-07	3.579E-01
3.500E+04	5.097E-01	1.380E-24	6.108E-16	5.122E-10	9.208E-22	1.208E-02	6.110E-10	7.144E-07	3.556E-01
3.600E+04	5.147E-01	5.006E-25	3.662E-18	2.952E-10	1.714E-26	1.066E-02	3.921E-10	5.654E-07	3.533E-01
3.700E+04	5.196E-01	1.854E-25	1.663E-18	1.747E-10	5.503E-27	9.481E-03	2.56CE-10	4.511E-07	3.508E-01
3.800E+04	5.246E-01	6.994E-26	7.701E-19	1.020E-10	1.771E-27	8.487E-03	1.701E-10	3.635E-07	3.482E-01
3.900E+04	5.289E-01	2.668E-26	3.632E-19	5.952E-11	5.720E-28	7.641E-03	1.148E-10	2.952E-07	3.457E-01
4.000E+04	5.330E-01	1.053E-26	1.714E-19	3.479E-11	1.859E-28	6.918E-03	7.876E-11	2.417E-07	3.433F-01
4.100E+04	5.366E-01	4.20E-27	8.184E-20	2.041E-11	6.100E-29	6.294E-03	5.600E-11	1.995E-07	3.413E-01
4.200E+04	5.398E-01	1.715E-27	3.960E-20	1.203E-11	2.027E-29	5.751E-03	3.666E-11	1.660E-07	3.394E-01
4.300E+04	5.425E-01	7.139E-28	1.943E-20	7.142E-12	6.643E-30	5.278E-03	2.762E-11	1.391E-07	3.370E-01
4.400E+04	5.449E-01	3.036E-28	6.600E-21	4.271E-12	2.351E-30	4.686E-03	1.990E-11	1.173E-07	3.364E-01
4.500E+04	5.471E-01	1.318E-28	4.895E-21	2.576E-12	8.232E-31	4.492E-03	1.462E-11	9.950E-08	3.352E-01
4.600E+04	5.490E-01	5.845E-29	2.513E-21	1.567E-12	2.938E-31	4.165E-03	1.081E-11	8.502E-06	3.341E-01
4.700E+04	5.508E-01	2.663E-29	1.309E-21	9.617E-13	0.	3.872E-03	8.079E-12	7.297E-08	3.330E-01
4.800E+04	5.526E-01	1.218E-29	6.911E-22	9.950E-13	0.	3.609E-03	6.089E-12	6.292E-08	3.319E-01
4.900E+04	5.546E-01	5.707E-30	3.696E-22	3.708E-13	0.	3.372E-03	4.633E-12	5.450E-08	3.308E-01
5.000E+04	5.563E-01	2.717E-30	1.999E-22	2.326E-13	0.	3.157E-03	3.955E-12	4.740E-08	3.296E-01

P/PO = 2.60E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.452E-01	1.583E-20	7.350E-15	1.494E-28	8.033E-22	3.411E-01	1.308E-10	1.226E-21
6.000E+02	0.	2.063E-01	2.769E-17	7.149E-29	1.909E-24	7.034E-18	5.953E-01	1.015E-10	3.888E-21
7.000E+02	0.	6.171E-02	3.958E-15	1.074E-24	9.967E-22	4.176E-15	7.037E-01	8.021E-10	1.053E-20
8.000E+02	0.	2.051E-02	1.417E-13	1.341E-21	9.076E-20	6.883E-13	5.746E-01	8.299E-10	4.411E-20
9.000E+02	0.	6.204E-03	2.211E-12	3.361E-19	2.886E-18	1.901E-11	7.430E-01	7.929E-10	6.779E-20
1.000E+03	0.	3.958E-03	1.958E-11	2.774E-17	4.542E-16	3.851E-10	7.471E-01	7.533E-10	8.111E-20
1.100E+03	0.	2.043E-03	1.156E-10	1.022E-15	4.317E-16	4.389E-09	7.485E-01	7.081E-10	1.229E-19
1.200E+03	0.	1.220E-03	9.042E-10	2.024E-16	2.622E-16	2.422E-09	7.491E-01	6.506E-10	1.702E-19
1.300E+03	0.	7.814E-04	1.763E-09	2.633E-13	1.386E-14	1.878E-07	7.494E-01	6.079E-10	2.209E-19
1.400E+03	0.	5.335E-04	5.130E-09	2.332E-12	5.634E-14	2.585E-07	7.496E-01	5.571E-10	2.712E-19
1.500E+03	0.	3.836E-04	1.294E-08	1.537E-11	1.703E-13	2.987E-06	7.497E-01	5.094E-10	3.193E-19
1.600E+03	5.113E-30	2.879E-04	2.936E-08	8.036E-11	9.055E-13	9.226E-06	7.498E-01	4.653E-10	3.640E-19
1.700E+03	4.781E-27	2.237E-04	9.934E-08	3.569E-10	1.272E-12	2.499E-05	7.499E-01	4.254E-10	4.047E-17
1.800E+03	2.120E-24	1.791E-04	1.119E-07	1.269E-09	2.894E-12	6.073E-05	7.499E-01	3.890E-10	6.412E-19
1.900E+03	5.056E-22	1.470E-04	1.974E-09	6.050E-09	6.039E-12	1.346E-05	7.499E-01	3.585E-10	6.739E-19
2.000E+03	6.546E-20	1.232E-04	3.200E-07	1.191E-08	1.179E-11	2.757E-04	7.497E-01	3.350E-10	6.411E-19
2.100E+03	1.910E-18	1.051E-06	5.222E-07	2.962E-08	2.199E-11	5.202E-04	7.499E-01	6.940E-10	6.715E-18
2.200E+03	1.722E-17	9.111E-05	7.947E-07	6.995E-08	3.747E-11	9.544E-04	7.499E-01	6.050E-10	1.172E-17
2.300E+03	1.133E-16	7.999E-05	1.166E-06	1.533E-07	6.207E-11	1.639E-03	7.498E-01	3.984E-17	7.702E-17
2.400E+03	6.324E-16	7.102E-05	1.655E-06	3.145E-07	9.865E-11	2.692E-03	7.497E-01	1.060E-16	6.400E-16
2.500E+03	3.707E-15	3.046E-05	2.293E-06	6.090E-07	1.511E-10	4.251E-03	7.496E-01	8.491E-16	2.195E-15
2.600E+03	1.324E-14	5.708E-05	3.049E-06	1.120E-06	2.291E-10	6.481E-03	7.495E-01	3.453E-15	6.003E-15
2.700E+03	5.129E-14	5.225E-05	4.030E-06	1.868E-06	3.225E-10	9.576E-03	7.494E-01	1.260E-16	3.840E-14
2.800E+03	1.008E-13	4.773E-05	5.101E-06	3.191E-06	4.517E-10	1.375E-02	7.379E-01	8.245E-16	1.380E-13
2.900E+03	5.049E-13	4.376E-05	6.531E-06	9.391E-06	6.170E-10	1.920E-02	7.391E-01	1.300E-16	6.540E-13
3.000E+03	1.752E-12	4.022E-05	8.468E-06	8.465E-06	8.234E-10	2.636E-02	7.269E-01	3.730E-13	3.305E-12
3.100E+03	4.693E-12	3.701E-05	9.039E-06	1.209E-05	1.075E-09	3.927E-02	7.191E-01	9.979E-13	3.928E-12
3.200E+03	1.203E-11	3.405E-05	1.177E-05	1.907E-05	1.375E-09	4.631E-02	7.094E-01	2.503E-1	

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
7.727E-06	2.094E-01	2.230E-02	1.973E-05	4.134E-04	2.747E-06	9.002E-16	0.	0.	9.000E+03
8.907E-06	2.172E-01	1.772E-02	2.080E-05	5.416E-04	3.364E-06	2.280E-15	0.	0.	9.200E+03
1.020E-05	2.234E-01	1.402E-02	2.158E-05	6.972E-06	4.051E-06	5.524E-15	0.	0.	9.400E+03
1.160E-05	2.286E-01	1.106E-02	2.212E-05	8.037E-06	4.809E-06	1.264E-14	0.	0.	9.600E+03
1.313E-05	2.323E-01	8.727E-03	2.245E-05	1.105E-03	5.835E-06	2.876E-14	0.	0.	9.800E+03
1.476E-05	2.351E-01	6.895E-03	2.260E-05	1.365E-03	6.531E-06	6.220E-14	0.	0.	1.000E+04
2.459E-05	2.398E-01	2.234E-03	2.143E-05	3.409E-03	1.199E-05	1.902E-12	0.	0.	1.100E+04
3.662E-05	2.359E-01	8.060E-04	1.989E-05	7.152E-03	1.880E-05	3.270E-11	0.	0.	1.200E+04
4.953E-05	2.264E-01	3.191E-04	1.749E-05	1.320E-02	2.611E-05	3.660E-10	3.370E-25	0.	1.300E+04
6.133E-05	2.117E-01	1.364E-04	1.481E-05	2.196E-02	3.267E-05	2.881E-09	4.012E-23	0.	1.400E+04
7.034E-05	1.920E-01	5.842E-05	1.198E-05	3.345E-02	3.709E-05	1.735E-08	2.594E-21	0.	1.500E+04
7.372E-05	1.660E-01	2.555E-05	9.189E-06	4.712E-02	3.833E-05	8.350E-08	1.025E-19	0.	1.600E+04
7.167E-05	1.412E-01	6.637E-03	6.190E-02	3.618E-05	3.339E-07	2.706E-10	0.	0.	1.700E+04
6.451E-05	1.146E-01	4.631E-04	4.508E-06	7.661E-02	3.133E-05	1.142E-05	5.127E-17	0.	1.800E+04
5.399E-05	8.946E-02	1.809E-04	2.891E-06	8.933E-02	2.508E-05	3.476E-05	7.365E-16	0.	1.900E+04
4.235E-05	6.784E-02	7.514E-07	1.769E-06	9.985E-02	1.880E-05	9.265E-06	8.384E-15	0.	2.000E+04
3.149E-05	5.039E-02	2.953E-07	1.046E-05	1.078E-01	1.340E-05	2.281E-05	7.828E-14	0.	2.100E+04
2.249E-05	3.706E-02	1.163E-07	6.106E-07	1.133E-01	9.225E-06	5.203E-05	6.159E-13	0.	2.200E+04
1.565E-05	2.724E-02	4.662E-08	3.544E-07	1.170E-01	6.243E-06	1.112E-04	4.169E-12	0.	2.300E+04
1.074E-05	2.315E-02	1.923E-08	2.081E-07	1.194E-01	4.198E-06	2.248E-04	2.467E-11	0.	2.400E+04
7.352E-06	1.507E-02	6.186E-09	2.328E-07	1.209E-01	2.832E-06	4.320E-05	1.293E-10	0.	2.500E+04
5.053E-06	1.142E-02	3.620E-09	7.533E-08	1.216E-01	1.928E-06	7.937E-06	6.069E-10	0.	2.600E+04
3.508E-06	8.779E-03	1.660E-09	4.630E-08	1.217E-01	1.328E-06	1.398E-03	2.572E-09	0.	2.700E+04
2.469E-06	6.416E-06	7.971E-10	2.904E-08	1.211E-01	9.260E-07	2.368E-03	9.913E-09	0.	2.800E+04
1.766E-06	5.382E-03	3.862E-10	1.846E-08	1.199E-01	6.533E-07	3.862E-03	3.498E-08	0.	2.900E+04
1.265E-06	4.273E-03	1.919E-10	1.182E-08	1.177E-01	4.667E-07	6.066E-03	1.135E-07	0.	3.000E+04
9.532E-07	3.410E-03	9.740E-11	7.551E-09	1.144E-01	3.353E-07	9.181E-03	3.399E-07	0.	3.100E+04
7.205E-07	2.722E-03	4.989E-11	4.853E-09	1.099E-01	2.428E-07	1.338E-02	9.423E-07	0.	3.200E+04
5.552E-07	2.174E-03	2.559E-11	3.070E-09	1.040E-01	1.759E-07	1.876E-02	2.423E-06	0.	3.300E+04
4.359E-07	1.724E-03	1.335E-11	9.190E-09	9.676E-02	1.272E-07	2.529E-02	5.797E-06	0.	3.400E+04
3.446E-07	1.359E-03	5.658E-12	1.164E-09	8.840E-02	9.157E-08	3.281E-02	1.293E-05	1.578E-12	3.500E+04
2.833E-07	1.306E-03	3.276E-10	6.928E-10	7.925E-02	6.550E-06	4.100E-02	2.703E-05	7.002E-12	3.600E+04
2.143E-07	8.137E-14	1.634E-12	4.026E-10	6.976E-02	4.649E-08	4.946E-02	5.314E-05	2.808E-11	3.700E+04
1.965E-07	6.294E-06	7.730E-13	2.268E-10	6.039E-02	3.276E-08	5.778E-02	9.883E-05	1.027E-10	3.800E+04
1.670E-07	8.697E-04	3.678E-13	1.276E-10	5.153E-02	2.290E-08	6.560E-02	1.768E-04	3.457E-10	3.900E+04
1.437E-07	3.515E-04	1.734E-13	7.008E-11	4.341E-08	1.593E-08	7.265E-02	2.958E-04	1.079E-05	4.000E+04
1.249E-07	2.623E-04	8.131E-14	3.812E-11	3.631E-02	1.105E-08	7.479E-02	4.813E-04	3.148E-09	4.100E+04
1.047E-07	1.951E-04	3.755E-14	2.062E-11	3.015E-02	7.644E-09	8.396E-02	7.563E-04	8.641E-09	4.200E+04
9.719E-08	1.494E-04	1.784E-14	1.113E-11	2.493E-02	5.297E-09	8.814E-02	1.153E-03	2.245E-08	4.300E+04
8.670E-08	1.707E-04	8.663E-15	6.018E-12	2.056E-02	3.676E-09	9.139E-02	1.709E-03	5.545E-08	4.400E+04
7.805E-08	6.010E-05	4.015F-15	2.664E-13	1.694E-02	2.558E-09	9.375E-02	2.471E-03	1.308E-07	4.500E+04
7.366E-08	5.969E-35	1.924E-15	1.779E-12	1.395E-02	1.787E-09	9.525E-02	3.493E-03	2.954E-07	4.600E+04
6.429E-08	4.495E-05	9.309E-16	4.745E-13	1.148E-02	1.253E-09	9.597E-02	4.833E-03	6.408E-07	4.700E+04
5.601E-08	3.337E-05	8.542E-16	5.364E-13	9.455E-03	8.82CE-13	9.580E-02	6.550E-03	1.338E-06	4.800E+04
5.404E-08	2.502E-05	2.232E-16	2.964E-13	7.782E-03	6.23CE-10	9.688E-02	8.702E-03	2.691E-06	4.900E+04
4.986E-08	1.878E-05	1.194E-16	1.642E-13	6.399E-03	4.413E-10	9.316E-02	1.134E-02	5.224E-06	5.000E+04

P/PO = 2.60E+01

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.137E-01	6.252E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.446E-01	8.738E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.348E-01	1.153E-20	0.	0.	0.	0.	0.	7.000E+02
C.	1.760E-29	2.445E-01	1.478E-20	0.	0.	0.	0.	0.	8.000E+02
0.	9.305E-26	2.479E-01	1.790E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.911E-23	2.490E-01	2.047E-20	0.	0.	0.	0.	0.	1.000E+03
0.	5.743E-21	2.445E-01	2.232E-20	0.	0.	0.	0.	0.	1.100E+03
0.	4.121E-19	2.497E-01	2.341E-20	1.081E-13	0.	0.	0.	0.	1.200E+03
0.	1.639E-17	2.498E-01	2.346E-20	1.994E-32	0.	0.	0.	0.	1.300E+03
0.	3.655E-16	2.499E-01	2.373E-20	2.383E-31	0.	0.	0.	0.	1.400E+03
0.	5.662E-15	2.499E-01	2.325E-20	2.014E-30	0.	0.	0.	0.	1.500E+03
0.	6.660E-14	2.499E-01	2.252E-20	1.298E-29	0.	0.	0.	0.	1.600E+03
0.	5.450E-13	2.499E-01	2.168E-20	6.554E-29	0.	0.	0.	0.	1.700E+03
2.2d1t-27	3.564E-12	2.499E-01	2.071E-20	2.760E-20	0.	0.	0.	0.	1.800E+03
0.169E-25	1.935E-11	2.499E-01	1.978E-20	9.933E-28	0.	0.	0.	0.	1.900E+03
1.517E-22	6.032E-11	2.499E-01	2.029E-20	3.365E-27	0.	0.	0.	0.	2.000E+03
6.107E-21	3.491E-10	2.499E-01	5.834E-20	2.853E-26	1.2C3E-28	0.	0.	0.	2.100E+03
7.344E-20	1.219E-09	2.499E-01	3.650E-19	4.771E-25	3.524E-27	0.	0.	0.	2.200E+03
6.272E-19	3.414E-09	2.498E-01	2.210E-18	7.091E-24	6.760E-26	0.	0.	0.	2.300E+03
4.408E-18	1.039E-08	2.496E-01	1.167E-17	8.564E-23	9.975E-25	0.	0.	0.	2.400E+03
2.642E-17	2.456E-08	2.495E-01	5.656E-17	8.505E-22	1.183E-23	0.	0.	0.	2.500E+03
1.377E-16	6.951E-08	2.492E-01	2.246E-16	7.095E-21	1.150E-22	0.	0.	0.	2.600E+03
0.341E-16	1.545E-07	2.488E-01	6.419E-16	5.066E-20	9.566E-22	0.	0.	0.	2.700E+03
2.614E-15	3.404E-07	2.483E-01	2.879E-15	3.149E-19	6.782E-21	0.	0.	0.	2.800E+03
9.748E-15	6.450E-07	2.476E-01	9.025E-15	1.720E-16	4.194E-20	0.	0.	0.	2.900E+03
3.322E-14	1.351E-06	2.467E-01	2.625E-14	8.479E-14	2.293E-19	0.	0.	0.	3.000E+03
1.343E-13	2.517E-06	2.456E-01	7.137E-14	3.760E-17	1.121E-18	0.	0.	0.	3.100E+03
3.037E-13	4.507E-06	2.442E-01	1.835E-13	1.522E-16	4.949E-18	0.	0.	0.	3.200E+03
0.260E-13	7.786E-06	2.425E-01	4.413E-13	9.667E-16	1.994E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	N-	NH2	H-	H2	H2+	H+
3.400E+03	7.440E-11	2.870E-05	1.609E-05	3.863E-05	2.122E-09	7.566E-02	6.837E-01	1.333E-11	6.216E-11
3.500E+03	1.662E-10	2.624E-05	1.840E-05	5.309E-05	2.563E-09	9.438E-02	6.674E-01	2.059E-11	1.405E-10
3.600E+03	3.547E-10	2.307E-05	2.074E-05	7.140E-05	3.041E-09	1.160E-01	6.484E-01	5.036E-11	3.033E-10
3.700E+03	7.265E-10	2.161E-05	2.305E-05	9.410E-05	3.545E-09	1.405E-01	6.270E-01	1.144E-10	6.278E-10
3.800E+03	1.432E-09	1.943E-05	2.527E-05	1.217E-04	4.062E-09	1.679E-01	6.030E-01	2.157E-10	1.250E-09
3.900E+03	2.722E-09	1.735E-05	2.731E-05	1.545E-04	4.577E-09	1.981E-01	5.765E-01	3.918E-10	2.398E-09
4.000E+03	5.005E-09	1.537E-05	2.912E-05	1.927E-04	5.072E-09	2.309E-01	5.478E-01	4.869E-10	4.450E-09
4.100E+03	8.920E-09	1.350E-05	3.063E-05	2.366E-04	5.530E-09	2.659E-01	5.171E-01	1.169E-09	6.001E-09
4.200E+03	1.546E-08	1.175E-05	3.179E-05	2.859E-04	5.934E-09	3.027E-01	4.868E-01	1.916E-09	1.396E-08
4.300E+03	2.602E-08	1.012E-05	3.297E-05	3.404E-04	6.271E-09	3.409E-01	4.514E-01	3.057E-09	2.371E-08
4.400E+03	4.273E-08	8.641E-06	3.294E-05	3.996E-04	6.529E-09	3.798E-01	4.172E-01	4.742E-09	3.921E-08
4.500E+03	8.851E-08	7.303E-06	3.291E-05	4.629E-04	6.702E-09	4.190E-01	3.828E-01	7.161E-09	6.329E-08
4.600E+03	1.074E-07	6.113E-06	3.250E-05	5.296E-04	6.789E-09	4.578E-01	3.408E-01	1.054E-08	9.993E-08
4.700E+03	1.649E-07	5.070E-06	3.174E-05	5.988E-04	6.790E-09	4.956E-01	3.155E-01	1.516E-08	1.541E-07
4.800E+03	2.481E-07	4.169E-06	3.066E-05	6.698E-04	6.714E-09	5.319E-01	2.836E-01	2.130E-08	2.330E-07
4.900E+03	3.664E-07	3.400E-06	2.937E-05	7.419E-04	6.569E-09	5.663E-01	2.533E-01	2.930E-08	3.458E-07
5.000E+03	5.320E-07	2.754E-06	2.788E-05	8.141E-04	6.368E-09	5.984E-01	2.250E-01	3.952E-09	5.039E-07
5.200E+03	1.069E-06	1.776E-06	2.457E-05	9.571E-04	6.842E-09	6.545E-01	1.750E-01	6.811E-08	1.019E-06
5.400E+03	2.028E-06	1.128E-06	2.116E-05	1.095E-03	7.028E-09	7.004E-01	1.343E-01	1.102E-07	1.940E-06
5.600E+03	3.662E-06	7.112E-07	1.792E-05	1.225E-03	4.596E-09	7.358E-01	1.022E-01	1.690E-07	3.508E-06
5.800E+03	6.331E-06	4.848E-07	1.503E-05	1.347E-03	3.990E-09	7.623E-01	7.755E-02	2.479E-07	6.061E-06
6.000E+03	1.054E-05	2.861E-07	1.252E-05	1.458E-03	3.433E-09	7.914E-01	5.896E-02	3.502E-07	1.006E-05
6.200E+03	1.656E-05	1.615E-07	1.039E-05	1.559E-03	2.932E-09	7.947E-01	4.503E-02	4.794E-07	1.610E-05
6.400E+03	2.651E-05	1.171E-07	8.609E-06	1.646E-03	2.488E-09	8.033E-01	3.462E-02	6.388E-07	2.496E-05
6.600E+03	4.035E-05	7.629E-08	7.121E-06	1.719E-03	2.097E-09	8.082E-01	2.682E-02	8.312E-07	3.760E-05
6.800E+03	5.999E-05	5.020E-08	5.882E-06	1.777E-03	1.754E-09	8.102E-01	2.094E-02	1.060E-06	5.510E-05
7.000E+03	8.728E-05	3.333E-08	4.850E-06	1.816E-03	1.455E-09	8.099E-01	1.650E-02	1.324E-06	7.904E-05
7.200E+03	1.746E-04	2.330E-08	3.990E-06	1.838E-03	1.194E-09	8.077E-01	1.310E-02	1.632E-06	1.109E-04
7.400E+03	1.746E-04	1.502E-08	3.272E-06	1.838E-03	9.689E-10	8.041E-01	1.049E-02	1.979E-06	1.524E-04
7.600E+03	2.408E-04	1.018E-08	2.675E-06	1.816E-03	7.764E-10	7.994E-01	8.471E-03	2.370E-06	2.057E-04
7.800E+03	3.271E-04	6.929E-09	2.179E-06	1.776E-03	6.139E-10	7.930E-01	6.896E-03	2.805E-06	2.732E-04
8.000E+03	4.381E-04	4.741E-09	1.769E-06	1.717E-03	6.789E-10	7.881E-01	5.661E-03	3.288E-06	3.577E-04
8.200E+03	5.790E-04	3.259E-09	1.631E-06	1.644E-03	3.687E-10	7.822E-01	4.688E-03	3.824E-06	4.622E-04
8.400E+03	7.556E-04	2.252E-09	1.555E-06	1.558E-03	2.805E-10	7.765E-01	3.911E-03	4.415E-06	5.903E-04
8.600E+03	9.745E-04	1.566E-09	9.299E-07	1.464E-03	2.111E-10	7.712E-01	3.293E-03	5.070E-06	7.460E-04
8.800E+03	1.243E-03	1.095E-09	7.484E-07	1.366E-03	1.576E-10	7.686E-01	2.794E-03	5.794E-06	3.340E-04
9.000E+03	1.586E-03	7.718E-10	6.025E-07	1.267E-03	1.165E-10	7.621E-01	2.391E-03	6.594E-06	1.159E-03
9.200E+03	1.960E-03	5.481E-10	4.657E-07	1.170E-03	8.645E-11	7.584E-01	2.060E-03	7.475E-06	1.428E-03
9.400E+03	2.426E-03	3.925E-10	3.924E-07	1.077E-03	6.385E-11	7.551E-01	1.788E-03	8.444E-06	1.745E-03
9.600E+03	2.978E-03	2.836E-10	3.181E-07	9.891E-04	6.719E-11	7.523E-01	1.562E-03	9.504E-06	2.111E-03
9.800E+03	3.624E-03	2.067E-10	2.588E-07	9.076E-04	3.497E-11	7.498E-01	1.372E-03	1.046E-05	2.553E-03
1.000E+04	4.378E-03	1.519E-10	2.113E-07	8.327E-04	2.601E-11	7.451E-01	1.211E-03	1.191E-05	3.054E-03
1.100E+04	1.017E-02	3.688E-11	8.191E-08	5.460E-04	6.393E-12	7.362E-01	6.923E-04	1.970E-05	6.897E-03
1.200E+04	2.057E-02	1.058E-11	3.487E-08	3.687E-04	1.792E-12	7.208E-01	4.250E-04	2.989E-05	1.371E-02
1.300E+04	3.725E-02	3.308E-12	1.579E-08	2.529E-04	5.520E-13	6.973E-01	2.714E-04	4.188E-05	2.450E-02
1.400E+04	6.156E-02	1.149E-12	7.353E-09	1.733E-04	1.784E-13	6.631E-01	1.761E-04	5.445E-05	4.041E-02
1.500E+04	9.410E-02	3.940E-13	3.410E-09	1.656E-04	5.781E-14	6.174E-01	1.197E-04	6.582E-05	6.100E-02
1.600E+04	1.343E-01	1.315E-13	1.534E-09	7.565E-05	1.809E-14	5.603E-01	7.194E-05	7.402E-05	8.849E-02
1.700E+04	1.804E-01	4.165E-14	6.555E-10	4.685E-05	5.300E-15	4.962E-01	4.398E-05	7.760E-05	1.202E-01
1.800E+04	2.294E-01	1.208E-14	2.622E-10	2.746E-05	1.427E-15	4.229E-01	2.574E-05	7.531E-05	1.548E-01
1.900E+04	2.778E-01	3.230E-15	9.780E-11	1.522E-05	3.511E-16	3.513E-01	1.437E-05	6.035E-05	1.022E-01
2.000E+04	3.225E-01	7.955E-16	3.417E-11	8.018E-06	7.954E-17	2.839E-01	7.658E-06	5.801E-05	2.241E-01
2.100E+04	3.611E-01	1.835E-16	1.134E-11	4.059E-06	1.693E-17	2.245E-01	3.925E-06	4.685E-05	2.545E-01
2.200E+04	3.929E-01	4.062E-17	3.644E-12	2.004E-06	3.475E-18	1.750E-01	1.958E-06	3.611E-05	2.803E-01
2.300E+04	4.178E-01	6.686E-18	1.595E-12	9.800E-07	7.107E-19	1.359E-01	9.627E-07	2.697E-05	3.012E-01
2.400E+04	4.369E-01	1.958E-18	3.716E-13	4.809E-07	1.480E-19	1.048E-01	6.729E-07	1.977E-05	3.175E-01
2.500E+04	5.153E-01	4.482E-19	1.220E-13	2.392E-07	3.202E-20	8.154E-02	2.344E-07	1.430E-05	3.299E-01
2.600E+04	6.622E-01	1.063E-19	4.142E-14	1.214E-07	7.280E-21	6.411E-02	1.184E-07	1.041E-05	3.303E-01
2.700E+04	4.704E-01	2.666E-20	1.061E-14	6.307E-08	1.750E-21	5.103E-02	8.115E-08	7.581E-06	3.462E-01
2.800E+04	4.708E-01	7.072E-21	5.370E-15	3.357E-08	4.450E-22	4.117E-02	3.233E-08	5.561E-06	3.512E-01
2.900E+04	4.820E-01	1.982E-21	2.054E-15	1.829E-08	1.195E-22	3.369E-02	1.762E-08	4.117E-06	3.548E-01
3.000E+04	5.085E-01	5.852E-22	6.016E-16	1.018E-08	3.370E-23	2.794E-02	9.842E-09	3.079E-06	3.572E-01
3.100E+04	4.907E-01	1.814E-22	3.354E-16	5.769E-09	9.915E-24	2.348E-02	6.644E-09	3.234E-06	3.585E-01
3.200E+04	4.948E-01	5.872E-23	1.420E-16	3.317E-09	3.020E-24	1.998E-02	3.319E-09	1.776E-06	3.590F-01
3.300E+04	4.990E-01	1.974E-23	6.164E-17	1.928E-09	9.445E-25	1.716E-02	1.998E-09	1.369E-06	3.588E-01
3.400E+04	5.035E-01	6.853E-24	2.724E-17	1.128E-09	3.008E-25	1.490E-02	1.231E-09	1.065E-06	3.575E-01
3.500E+04	5.038E-01	2.645E-24	1.228E-17	6.622E-10	9.690E-26	1.305E-02	7.739E-10	8.366E-07	3.556E-01
3.600E+04	5.132E-01	8.930E-25	5.597E-18	3.892E-10	3.161E-20	1.193E-02	4.964E-10	6.624E-07	3.536E-01
3.700E+04	5.181E-01	3.329E-25	2.580E-18	2.207E-10	1.021E-20	1.025E-02	3.243E-10	5.293E-07	3.511E-01
3.800E+04	5.230E-01	1.264E-25	1.201E-18	1.343E-10	3.327E-27	9.179E-03	2.155E-10	4.204E-07	3.488E-01
3.900E+04	5.275E-01	4.891E-26	5.639E-19	7.885E-11	1.008E-27	8.266E-03	1.454E-10	3.463E-07	3.461E-01
4.000E+04	5.317E-01	1.927E-26	2.676E-19	4.636E-11	3.575E-28	7.485E-03	9.980E-11	2.037E-07	3.430E-01
4.100E+04	5.354E-01	7.741E-27	1.285E-19	2.733E-11	1.105E-28	6.810E-03	6.952E-11	2.342E-07	3.416E-01
4.200E+04	5.387E-01	3.171E-27	6.246E-20	1.019E-11	3.979E-29	6.224E-03	6.905E-11	1.940E-07	3.398E-01
4.300E+04	5.415E-01	1.326E-27	3.070E-20	9.648E-12	1.353E-29	5.712E-03	3.505E-11	1.632E-07	3.381E-01
4.400E+04	5.446E-01	5.659E-28	1.539E-20	5.791E-12</					

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.109E-12	1.302E-05	2.405E-01	1.014E-12	1.956E-15	7.376E-17	0.	0.	0.	3.400E+03
5.0d2E-12	2.112E-05	2.381E-01	2.229E-12	6.300E-15	2.525E-16	0.	0.	0.	3.500E+03
1.160E-11	3.332E-05	2.354E-01	4.675E-12	1.904E-14	8.046E-16	0.	0.	0.	3.600E+03
2.518E-11	5.125E-05	2.323E-01	9.444E-12	5.430E-14	2.399E-15	0.	0.	0.	3.700E+03
5.217E-11	7.698E-05	2.269E-01	1.840E-11	1.468E-13	6.730E-15	0.	0.	0.	3.800E+03
1.034E-10	1.131E-04	2.251E-01	3.467E-11	3.776E-13	1.704E-14	0.	0.	0.	3.900E+03
1.496E-10	1.629E-04	2.209E-01	6.336E-11	9.282E-13	4.586E-14	0.	0.	0.	4.000E+03
3.422E-10	2.302E-04	2.165E-01	1.125E-10	2.184E-12	1.374E-13	0.	0.	0.	4.100E+03
6.357E-10	3.196E-04	2.118E-01	1.945E-10	4.960E-12	2.656E-13	0.	0.	0.	4.200E+03
1.084E-09	4.366E-04	2.069E-01	2.283E-10	1.085E-11	5.383E-13	0.	0.	0.	4.300E+03
1.784E-09	5.875E-04	2.019E-01	5.419E-10	2.295E-11	1.133E-12	0.	0.	0.	4.400E+03
2.863E-09	7.796E-04	1.964E-01	8.766E-10	4.706E-11	2.300E-12	0.	0.	0.	4.500E+03
4.451E-09	1.021E-03	1.914E-01	1.391E-09	9.378E-11	4.506E-12	0.	0.	0.	4.600E+03
6.734E-09	1.322E-03	1.869E-01	2.169E-09	8.181E-10	8.547E-12	0.	0.	0.	4.700E+03
9.929E-09	1.642E-03	1.871E-01	3.328E-09	3.443E-10	1.573E-11	0.	0.	0.	4.800E+03
1.422E-08	2.146E-03	1.775E-01	5.032E-09	6.367E-10	2.828E-11	0.	0.	0.	4.900E+03
2.012E-08	2.612E-03	1.731E-01	7.506E-09	1.152E-09	4.924E-11	0.	0.	0.	5.000E+03
3.752E-08	4.133E-03	1.651E-01	1.608E-08	3.548E-09	1.398E-10	0.	0.	0.	5.200E+03
6.515E-08	6.155E-03	1.580E-01	3.291F-08	1.015E-08	3.637E-10	0.	0.	0.	5.400E+03
1.366E-07	9.916E-03	1.518E-01	6.458E-08	2.716E-08	8.775E-10	0.	0.	0.	5.600E+03
1.056E-07	1.260E-02	1.466E-01	1.217E-07	6.931E-08	1.983E-09	0.	0.	0.	5.800E+03
2.672E-07	1.739E-02	1.407E-01	2.205E-07	1.621E-07	4.221E-09	9.760E-26	0.	0.	6.000E+03
3.559E-07	2.349E-02	1.352E-01	3.845E-07	3.644E-07	8.513E-09	9.362E-25	0.	0.	6.200E+03
4.971E-07	3.193E-02	1.294E-01	6.454E-07	7.741E-07	1.635E-08	7.809E-24	0.	0.	6.400E+03
6.766E-07	4.017E-02	1.230E-01	1.043E-06	1.583E-06	2.999E-08	5.722E-23	0.	0.	6.600E+03
9.003E-07	5.096E-02	1.160E-01	1.622E-06	3.077E-06	5.276E-08	3.718E-22	0.	0.	6.800E+03
1.174E-06	6.394E-02	1.102E-01	2.434E-06	5.723E-06	8.920E-08	2.160E-21	0.	0.	7.000E+03
1.552E-06	7.733E-02	9.971E-02	3.514E-06	1.021E-05	1.453E-07	1.130E-20	0.	0.	7.200E+03
1.899E-06	9.204E-02	9.026E-02	4.839E-06	1.751E-05	2.283E-07	5.362F-20	0.	0.	7.400E+03
2.362E-06	1.304E-01	8.129E-02	6.556E-06	2.891E-05	3.466E-07	2.322E-19	0.	0.	7.600E+03
2.490E-06	1.254E-01	7.137E-02	6.475E-06	4.603E-05	5.395E-07	9.275E-19	0.	0.	7.800E+03
3.519E-06	1.619F-01	6.173E-02	1.057E-05	7.081E-05	7.257E-07	3.390E-18	0.	0.	8.000E+03
4.722E-06	1.578E-01	5.249E-02	1.277E-05	1.055E-04	1.003E-06	1.156E-17	0.	0.	8.200E+03
5.927E-06	1.720E-01	4.349E-02	1.489E-05	1.524E-04	1.349E-06	3.676E-17	0.	0.	8.400E+03
6.931E-06	1.865E-01	3.615E-02	1.688E-05	2.142E-04	1.766E-06	1.097E-16	0.	0.	8.600E+03
8.046E-06	2.075E-01	2.363E-02	2.010E-05	3.931E-04	2.825E-06	8.230E-16	0.	0.	8.800E+03
9.274E-06	2.156E-01	1.845E-02	2.127E-05	5.163E-04	3.568E-06	2.089E-15	0.	0.	9.200E+03
1.062E-05	2.221E-01	1.457E-02	2.215E-05	6.653E-04	4.184E-06	5.067F-15	0.	0.	9.400E+03
1.204E-05	2.273E-01	1.164E-02	2.277E-05	8.444E-04	4.974E-06	1.179E-14	0.	0.	9.600E+03
1.367E-05	2.313E-01	9.308E-03	2.311E-05	1.057E-03	5.837E-06	2.644E-14	0.	0.	9.800E+03
1.537E-05	2.343E-01	7.416E-03	2.336E-05	1.337E-03	6.772E-06	5.723E-14	0.	0.	1.000E+04
2.563E-05	2.397E-01	2.416E-03	2.269E-05	3.273E-03	1.248E-05	1.754E-12	0.	0.	1.100E+04
3.421E-05	2.362E-01	6.757E-04	2.075E-05	6.877E-03	1.961E-05	3.018E-11	0.	0.	1.200E+04
5.178E-05	2.272E-01	3.481E-04	1.830E-05	1.271E-02	2.731F-05	3.361E-10	2.986E-25	0.	1.300E+04
6.438E-05	2.133E-01	1.676E-04	1.597E-05	2.118E-02	3.431E-05	2.662E-09	3.552E-23	0.	1.400E+04
7.379E-05	1.939E-01	6.459E-05	1.267E-05	3.233E-02	9.316E-05	1.604E-08	2.294E-21	0.	1.500E+04
7.814E-05	1.706E-01	2.654E-05	4.797E-06	4.568E-02	4.077E-05	7.726E-08	9.046E-20	0.	1.600E+04
7.855E-05	1.494E-01	1.247E-05	7.147E-06	6.022E-02	3.883E-05	3.092E-07	2.386E-18	0.	1.700E+04
6.453E-05	1.196E-01	5.317E-06	4.911E-06	7.466E-02	3.198E-05	1.060E-06	4.510E-17	0.	1.800E+04
5.480F-05	1.236E-01	6.758E-04	2.075E-05	3.189E-06	8.766E-02	2.752E-05	3.188E-06	6.662E-16	1.900E+04
6.663E-05	7.196E-02	4.906E-07	1.975E-06	9.464E-02	2.087E-05	8.602E-06	7.334E-15	2.200E+04	
3.514E-05	5.313E-02	3.551E-07	1.163E-06	1.366E-01	1.503E-05	2.114E-05	6.825E-14	2.100E+04	
2.528E-05	3.940E-02	1.417E-07	6.559E-07	1.246E-01	1.046E-05	4.831E-05	5.352E-13	2.200E+04	
1.776E-05	2.133E-02	5.736E-08	4.046E-07	1.164E-01	7.129E-06	1.732E-04	3.611E-12	2.300E+04	
1.226E-05	2.156E-02	2.382E-08	2.404E-07	1.190E-01	4.824E-06	2.085E-04	2.131E-11	2.400E+04	
6.439E-06	1.617E-02	1.022E-08	1.436E-07	1.206E-01	3.272F-06	4.006E-04	1.115E-10	2.500E+04	
5.426E-06	1.229E-02	4.540E-07	6.733E-09	1.214E-01	2.234E-06	7.357E-04	5.221E-10	2.600E+04	
4.456E-06	7.464E-03	2.053E-05	5.405E-08	1.216E-01	1.543E-06	1.296E-03	2.210E-09	2.700E+04	
2.463E-16	7.162E-03	9.494E-05	3.630E-08	1.212E-01	1.079E-06	2.196E-03	8.516E-05	2.800E+04	
2.052E-06	5.823E-03	4.671E-10	2.161E-08	1.201E-01	7.64CE-07	3.583E-03	3.004E-08	2.900E+04	
1.498E-06	4.632E-03	2.644E-10	1.393E-08	1.181E-01	5.665E-07	5.636E-03	9.762E-08	3.000E+04	
1.110E-06	3.106E-03	1.248E-10	8.948E-09	1.151E-01	3.042E-07	8.547E-03	2.924E-07	3.100E+04	
8.40CF-06	2.971E-03	6.421E-11	5.781E-09	1.198E-01	2.854E-07	1.249E-02	8.142E-07	3.200E+04	
6.476E-07	2.117E-03	3.318E-11	3.684E-09	1.053E-01	2.079E-07	1.750E-02	2.102E-06	3.300E+04	
5.097E-07	1.879E-03	1.703E-11	2.313E-09	9.461E-02	1.510E-07	2.381E-02	5.051E-06	3.400E+04	
4.069E-07	1.498E-03	6.705E-12	1.624E-09	9.027E-02	1.093E-07	3.105E-02	1.133E-05	3.500E+04	
3.311E-07	1.173E-03	4.378E-12	8.570E-10	6.148E-02	7.858E-08	3.902E-02	2.382E-05	3.612E-12	3.600E+04
2.737E-07	9.091E-04	2.168E-12	5.039E-10	7.215E-02	5.611F-02	4.736E-02	4.710E-05	2.304E-11	3.700E+04
2.266E-07	6.973E-04	1.058E-12	2.898E-10	6.283E-02	3.974E-08	8.544E-02	8.010E-05	8.477E-11	3.800E+04
1.952E-07	5.229L-04	5.392E-12	1.634E-10	5.392E-02	2.797E-08	6.352E-02	1.567E-04	2.087E-10	3.900E+04
1.680E-07	3.906E-04	2.427E-13	9.766E-11	4.571E-02	1.947E-08	7.071E-02	2.664E-04	8.992E-10	4.000E+04
1.461E-07	2.936L-04	1.153E-13	4.945E-11	1.838E-02	1.364E-08	7.704E-02	4.353E-04	2.634E-09	4.100E+04
1.284E-07	2.138E-04	5.42CE-13	2.720E-11	3.200E-02	6.484E-09	8.242E-02	6.875E-04	7.257E-09	4.200E+04
1.138E-07	1.669E-04	2.568E-14	1.830E-11	2.656E-02	6.599E-09	8.684E-02	1.250F-03	1.891E-08	4.300E+04
1.016E-07	1.245E-04	1.223E-14	8.057E-12	2.198E-02	4.599E-09	9.033E-02	1.562E-03	4.685F-08	4.400E+04
9.139E-08	7.248E-05	5.851E-15	4.396E-12	1.816E-02	3.208E-09	9.292E-02	2.265E-03	1.108E-07	4.500E+04
6.273E-08	6.743E-05	2.842E-15	2.410E-12	1.500E-02	2.249E-09	9.466E-02	3.209E-03	2.508E-07	4.600E+04
7.330E-08	5.200E-05	1.372E-14	1.327E-12	1.238E-02	1.581E-09	9.559E-02	4.451E-03	7.444E-07	4.700E+04
6.889E-08	3.903E-05	6.729E-16	7.359E-13	1.022E-02	1.111E-09	9.571E-02	6.048E-03	1.141E-06	4.800E+04
6.331E-08	2.414E-05	3.126E-16	4.081E-13	6.434E-03	7.904E-10	9.504E-02	8.057E-03	2.303E-06	4.900E+04
5.842E-08	2.238E-05	1.653E-16	2.274E-13	6.955E-03	9.359E-02	1.053E-02	4.484E-06	5.000E-04	5.000E+04

TABLE II.- Continued

P/PD = 2.80E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.570E-01	1.579E-20	7.159E-35	1.927E-28	7.639E-22	3.322E-01	1.318E-18	1.204E-21
6.000E+02	0.	2.165E-01	2.818E-17	7.057E-29	2.003E-24	6.734E-18	5.876E-01	1.023E-18	3.803E-21
7.000E+02	0.	6.587E-02	4.080E-15	1.064E-19	1.064E-21	4.015E-15	7.006E-01	6.859E-19	1.021E-20
8.000E+02	0.	2.202E-02	1.467E-13	1.339E-21	9.746E-20	4.702E-13	7.335E-01	8.315E-19	2.360E-20
9.000E+02	0.	8.624E-03	2.292E-12	3.359E-19	3.107E-18	1.900E-11	7.434E-01	7.95CE-19	6.619E-20
1.000E+03	0.	4.152E-03	2.023E-11	2.773E-17	4.888E-17	3.711E-10	7.464E-01	7.561E-19	7.846E-20
1.100E+03	0.	2.221E-03	1.199E-10	1.022E-15	4.647E-16	4.229E-09	7.483E-01	7.119E-19	1.191E-19
1.200E+03	0.	1.314E-03	9.292E-10	2.062E-14	3.039E-15	3.228E-08	7.490E-01	6.635E-19	1.656E-19
1.300E+03	0.	8.414E-04	1.029E-09	2.635E-13	1.492E-16	1.809E-07	7.494E-01	6.133E-19	2.169E-19
1.400E+03	0.	5.765E-04	5.323E-09	2.332E-12	5.854E-14	7.954E-07	7.496E-01	5.637E-19	2.644E-19
1.500E+03	2.040E-33	4.131E-04	1.363E-08	1.543E-11	1.920E-13	2.870E-06	7.497E-01	5.164E-19	5.119E-19
1.600E+03	4.674E-30	3.100E-04	3.016E-08	8.063E-11	8.046E-13	8.088E-06	7.498E-01	4.727E-19	3.563E-19
1.700E+03	4.363E-27	2.409E-04	6.158E-08	3.449E-10	1.369E-12	2.409E-05	7.499E-01	4.329E-19	3.908E-19
1.800E+03	1.939E-24	1.229E-04	1.616E-07	1.249E-09	3.117E-12	5.852E-05	7.499E-01	3.973E-19	4.333E-19
1.900E+03	4.605E-22	1.503E-04	2.049E-07	4.050E-09	6.503E-12	1.297E-04	7.499E-01	3.650E-19	4.661E-19
2.000E+03	9.846E-20	1.327E-04	3.414E-07	1.151E-08	1.270E-11	2.657E-04	7.497E-01	3.614E-19	5.296E-19
2.100E+03	1.803E-18	1.132E-04	5.419E-07	2.962E-08	2.323E-11	5.090E-04	7.495E-01	9.776E-19	1.625E-18
2.200E+03	1.638E-17	9.812E-05	6.247E-07	6.995E-08	4.036E-11	9.197E-04	7.491E-01	5.915E-18	1.103E-17
2.300E+03	1.081E-16	8.615E-05	1.210E-06	1.533E-07	6.685E-11	1.580E-03	7.488E-01	3.497E-17	7.243E-17
2.400E+03	6.016E-16	7.669E-05	1.718E-06	3.145E-07	1.063E-10	2.595E-03	7.477E-01	1.815E-16	6.139E-16
2.500E+03	2.921E-15	6.856E-05	2.369E-06	6.091E-07	1.628E-10	4.097E-03	7.464E-01	8.292E-16	2.065E-15
2.600E+03	1.255E-14	6.193E-05	3.106E-06	1.120E-06	2.614E-10	6.246E-03	7.454E-01	3.375E-15	9.124E-15
2.700E+03	4.075E-14	5.631E-05	4.104E-06	1.969E-06	3.475E-10	5.229E-03	7.419E-01	1.240E-14	3.616E-14
2.800E+03	1.718E-13	5.145E-05	5.380E-06	3.320E-06	4.866E-10	1.326E-02	7.380E-01	4.151E-14	1.300E-13
2.900E+03	5.557E-13	6.719E-05	6.784E-06	5.394E-06	6.652E-10	1.850E-02	7.337E-01	1.279E-13	4.285E-13
3.000E+03	1.664E-12	4.340E-05	8.400E-06	8.672E-06	8.882E-10	2.540E-02	7.277E-01	3.655E-13	1.305E-12
3.100E+03	4.648E-12	3.996E-05	1.022E-05	1.290E-05	1.160E-09	3.601E-02	7.202E-01	9.771E-13	3.704E-12
3.200E+03	1.218E-11	3.600E-05	1.224E-05	1.909E-05	1.405E-09	4.667E-02	7.109E-01	2.452E-12	9.850E-12
3.300E+03	3.313E-11	3.386E-05	1.494E-05	2.752E-05	5.760E-02	6.995E-01	5.813E-12	2.470E-11	3.124E-11
3.400E+03	7.065E-11	3.109E-05	1.677E-05	3.872E-05	2.294E-09	7.303E-02	6.860E-01	1.307E-11	5.667E-11
3.500E+03	1.578E-10	2.846E-05	1.920E-05	5.324E-05	2.777E-09	9.114E-02	6.702E-01	2.001E-11	1.326E-10
3.600E+03	3.370E-10	2.595E-05	2.166E-05	7.166E-05	3.299E-09	1.120E-01	6.591E-01	9.735E-11	2.045E-10
3.700E+03	6.902E-10	2.353E-05	2.411E-05	9.453E-05	3.852E-09	1.350E-01	6.311E-01	1.124E-10	5.932E-10
3.800E+03	1.360E-09	2.121E-05	2.667E-05	1.223E-04	4.423E-09	1.625E-01	6.077E-01	2.129E-10	1.181E-09
3.900E+03	2.557E-09	1.899E-05	2.086E-05	1.553E-04	4.994E-09	1.918E-01	5.820E-01	2.452E-10	2.269E-09
4.000E+03	4.750E-09	1.687E-05	3.042E-05	1.942E-04	5.567E-09	2.237E-01	5.540E-01	6.780E-10	4.212E-09
4.100E+03	8.485E-09	1.487E-05	3.220E-05	2.387E-04	6.063E-09	2.579E-01	5.241E-01	1.153E-09	7.577E-09
4.200E+03	1.670E-08	1.298E-05	3.539E-05	2.889E-04	6.525E-09	2.960E-01	4.925E-01	1.099E-09	1.323E-08
4.300E+03	2.477E-08	1.124E-05	3.451E-05	3.445E-04	6.916E-09	3.315E-01	4.596E-01	3.036E-09	2.248E-08
4.400E+03	4.070E-08	9.630E-06	3.501E-05	4.050E-04	7.224E-09	3.690E-01	4.252E-01	4.719E-09	3.722E-08
4.500E+03	8.530E-08	8.176E-06	3.509E-05	4.699E-04	4.464E-09	4.050E-01	3.920E-01	7.143E-09	6.012E-08
4.600E+03	1.324E-07	6.876E-06	3.476E-05	5.308E-04	5.761E-09	4.670E-01	3.582E-01	9.491E-09	4.949E-08
4.700E+03	1.573E-07	5.730E-06	3.046E-05	6.100E-04	7.585E-09	4.687E-01	3.251E-01	1.519E-08	1.466E-07
4.800E+03	2.369E-07	4.734E-06	3.303E-05	6.835E-04	9.393E-09	5.211E-01	2.931E-01	2.143E-08	2.220E-07
4.900E+03	5.502E-07	3.681E-06	3.173E-05	7.583E-04	7.392E-09	5.550E-01	2.624E-01	2.952E-08	3.290E-07
5.000E+03	9.088E-07	3.150E-06	3.021E-05	8.335E-04	7.108E-09	5.801E-01	2.340E-01	3.991E-08	4.800E-07
5.200E+03	1.023E-06	2.056E-06	2.678E-05	9.028E-04	6.834E-09	6.455E-01	1.832E-01	6.912E-08	6.736E-07
5.400E+03	1.945E-06	1.316E-06	2.319E-05	1.127E-03	5.967E-09	6.924E-01	1.413E-01	1.123E-07	1.858E-06
5.600E+03	3.515E-06	8.358E-07	1.974E-05	1.264E-03	5.269E-09	7.292E-01	1.081E-01	1.729E-07	3.364E-06
5.800E+03	6.082E-06	5.301E-07	1.661E-05	1.392E-03	4.591E-09	7.570E-01	8.235E-02	2.544E-07	5.810E-06
6.000E+03	1.013E-05	3.375E-07	1.308E-05	1.510E-03	3.936E-09	7.773E-01	6.201E-02	3.600E-07	9.663E-06
6.200E+03	1.631E-05	2.165E-07	1.156E-05	1.616E-03	3.395E-09	7.915E-01	4.810E-02	4.945E-07	1.540E-05
6.400E+03	2.551E-05	1.401E-07	9.597E-06	1.709E-03	2.886E-09	8.008E-01	3.704E-02	6.600E-07	2.402E-05
6.600E+03	3.863E-05	9.161E-06	7.957E-06	1.780E-03	2.442E-09	8.065E-01	2.076E-02	8.402E-07	3.621E-05
6.800E+03	5.773E-05	6.046E-06	6.587E-06	1.850E-03	2.049E-09	8.091E-01	2.249E-02	1.090E-06	5.316E-05
7.000E+03	8.401E-05	4.023E-06	5.343E-06	1.894E-03	1.704E-09	8.093E-01	1.770E-02	1.375E-06	7.622E-05
7.200E+03	1.199E-04	2.701E-06	4.688E-06	1.919E-03	1.404E-09	8.075E-01	1.410E-02	1.699E-06	1.069E-04
7.400E+03	1.681E-04	1.824E-06	3.690E-06	1.922E-03	1.144E-09	8.036E-01	1.130E-02	2.057E-06	1.470F-04
7.600E+03	2.318E-04	1.240E-06	3.024E-06	1.905E-03	9.233E-10	7.998E-01	9.133E-03	2.444E-06	1.988E-04
7.800E+03	3.196E-04	8.646E-06	2.470E-06	1.867E-03	7.311E-10	7.946E-01	7.433E-03	2.919E-06	2.610E-04
8.000E+03	4.217E-04	5.808E-06	2.010E-06	1.810E-03	7.313E-10	7.889E-01	6.109E-03	3.623E-06	3.454E-04
8.200E+03	5.573E-04	4.004E-06	1.630E-06	1.737E-03	4.434E-10	7.031E-01	5.059E-03	3.981E-06	4.463E-04
8.400E+03	7.274E-04	2.774E-05	1.319E-06	1.651E-03	3.390E-10	7.774E-01	4.222E-03	4.590E-06	5.700E-04
8.600E+03	9.302E-04	1.933E-05	1.065E-06	1.555E-03	2.564E-10	7.721E-01	3.554E-03	5.279E-06	7.204E-04
8.800E+03	1.197E-03	1.355E-05	8.587E-07	1.454E-03	1.922E-10	7.672E-01	2.360E-03	4.631E-06	9.018E-04
9.000E+03	1.510E-03	9.566E-05	6.927E-07	1.351E-03	1.432E-10	7.629E-01	2.580E-03	6.061E-06	1.119E-03
9.200E+03	1.887E-03	6.805E-05	5.593E-07	1.250E-03	1.063E-10	7.591E-01	2.223E-03	7.770E-06	1.370E-03
9.400E+03	2.317E-03	4.880E-05	4.524E-07	1.152E-03	7.874E-11	7.558E-01	1.929E-03	8.781E-06	1.684E-03
9.600E+03	2.868E-03	3.929E-05	3.673E-07	1.060E-03	9.836E-11	7.529E-01	1.684E-03	9.882E-06	2.043E-03
9.800E+03	3.472E-03	2.575E-05	2.991E-07	9.737E-04	4.334E-11	7.503E-01	1.479E-03	1.104E-03	2.443E-03
1.000E+04	4.210E-03	1.895E-05	2.466E-07	8.949E-04	3.225E-11	7.480E-01	1.306E-03	1.230E-03	2.949E-03
1.100E+04	6.806E-03	4.616E-05	9.510E-04	5.890E-04	7.989E-12	7.360E-01	7.466E-04	2.076E-03	6.650E-03
1.200E+04	1.946E-02	1.329E-11	4.001E-06	3.982E-04	2.250E-12	7.219E-01	6.590E-04	3.108E-03	1.322E-02
1.300E+04	3.595E-02	6.270E-12	1.047E-06	2.739E-04	6.974E-13	6.991E-01	2.938E-04	4.363E-03	2.370E-02
1.400E+04	5.946E-02	1.462E-12	8.052E-06	1.085E-04	6.273E-13	6.621E-01	1.913E-04	5.687E-03	3.902E-02
1.500E+04	9.102E-02	9.071E-13	6.047E-06	1.275E-04	7.457E-14	6.217E-01	1.24		

TABLE II.- Continued

P/PU = 2.80E+01

N	N2	N2+	N+	N-	N++	N+++	T		
0.	0.	1.107E-01	6.299E-21	0.	0.	0.	5.000E+02		
0.	0.	1.959E-01	8.013E-21	0.	0.	0.	6.000E+02		
0.	0.	2.335E-01	1.156E-20	0.	0.	0.	7.000E+02		
0.	1.694E-29	2.445E-01	1.402E-20	0.	0.	0.	8.000E+02		
0.	0.	8.821E-26	2.476E-01	1.794E-20	0.	0.	9.000E+02		
0.	2.605E-23	2.498E-01	2.055E-20	0.	0.	0.	1.000E+03		
0.	5.149E-21	2.494E-01	2.244E-20	0.	0.	0.	1.100E+03		
0.	3.978E-19	2.497E-01	2.358E-20	1.050E-33	0.	0.	1.200E+03		
0.	1.579E-17	2.498E-01	2.401E-20	1.940E-32	0.	0.	1.300E+03		
0.	3.714E-16	2.499E-01	2.401E-20	2.327E-31	0.	0.	1.400E+03		
0.	5.745E-15	2.499E-01	2.357E-20	1.940E-30	0.	0.	1.500E+03		
0.	6.321E-14	2.499E-01	2.288E-20	1.261E-29	0.	0.	1.600E+03		
0.	5.252E-13	2.499E-01	2.203E-20	6.427E-29	0.	0.	1.700E+03		
2.156E-27	3.493E-12	2.499E-01	2.111E-20	2.711E-28	0.	0.	1.800E+03		
7.713E-25	1.664E-11	2.499E-01	2.018E-20	9.749E-28	0.	0.	1.900E+03		
1.443E-22	4.510E-11	2.499E-01	2.041E-20	3.294E-27	0.	0.	2.000E+03		
5.943E-21	3.364E-10	2.499E-01	5.730E-20	2.704E-26	1.170E-28	0.	2.100E+03		
7.248E-20	1.175E-09	2.499E-01	1.949E-19	4.684E-25	3.470E-27	0.	2.200E+03		
0.154E-19	3.660E-09	2.498E-01	2.197E-18	6.688E-24	6.676E-26	0.	2.300E+03		
4.352E-18	1.047E-08	2.497E-01	1.139E-17	6.053E-23	9.884E-25	0.	2.400E+03		
2.607E-17	2.751E-08	2.495E-01	5.328E-17	6.073E-22	1.160E-23	0.	2.500E+03		
1.359E-16	6.693E-08	2.492E-01	2.209E-16	6.670E-21	1.133E-22	0.	2.600E+03		
6.256E-16	1.524E-07	2.488E-01	6.225E-16	6.770E-20	6.434E-22	0.	2.700E+03		
2.370E-15	3.204E-07	2.483E-01	2.814E-15	2.965E-19	6.684E-21	0.	2.800E+03		
9.615E-15	6.649E-07	2.477E-01	6.824E-15	1.629E-18	4.136E-20	0.	2.900E+03		
3.276E-14	1.303E-06	2.468E-01	2.568E-14	7.940E-18	2.261E-19	0.	3.000E+03		
1.029E-13	2.626E-06	2.457E-01	6.902E-14	3.564E-17	1.105E-18	0.	3.100E+03		
2.978E-13	6.344E-06	2.444E-01	1.766E-13	1.434E-16	4.877E-18	0.	3.200E+03		
8.152E-13	7.506E-06	2.424E-01	6.320E-13	5.362E-16	1.965E-17	0.	3.300E+03		
2.008E-12	1.259E-05	2.404E-01	9.930E-13	1.844E-15	7.274E-17	0.	3.400E+03		
5.019E-12	2.377E-05	2.380E-01	2.170E-12	5.900E-15	2.490E-16	0.	3.500E+03		
1.140E-11	3.214E-05	2.359E-01	4.570E-12	1.700E-14	7.930E-16	0.	3.600E+03		
2.491E-11	6.444E-05	2.329E-01	9.254E-12	5.121E-14	2.360E-15	0.	3.700E+03		
5.146E-11	7.429E-05	2.298E-01	1.803E-11	1.304E-13	6.664E-15	0.	3.800E+03		
1.025E-10	1.092E-04	2.259E-01	3.394E-11	3.561E-13	1.763E-14	0.	3.900E+03		
1.953E-10	1.577E-04	2.210E-01	6.211E-11	8.753E-13	4.435E-14	0.	4.000E+03		
3.570E-10	7.223E-04	2.175E-01	1.103E-10	2.003E-12	1.062E-13	0.	4.100E+03		
6.327E-10	3.307E-04	2.129E-01	1.903E-10	6.676E-12	2.412E-13	0.	4.200E+03		
1.001E-05	4.219E-04	2.061E-01	2.220E-10	1.022E-11	5.333E-13	0.	4.300E+03		
1.787E-05	5.676E-04	2.032E-01	5.316E-10	2.162E-11	1.124E-12	0.	4.400E+03		
2.565E-05	7.537E-04	1.982E-01	6.595E-10	6.432E-11	2.202E-12	0.	4.500E+03		
4.666E-05	9.475E-04	1.943E-01	1.363E-09	8.829E-11	4.475E-12	0.	4.600E+03		
6.768E-09	1.278E-05	1.633E-01	2.125E-09	1.712E-10	4.956E-12	0.	4.700E+03		
1.020E-08	1.637E-05	1.493E-01	3.200E-09	3.230E-10	1.564E-11	0.	4.800E+03		
1.444E-08	2.074E-05	1.749E-01	9.921E-09	5.983E-10	2.819E-11	0.	4.900E+03		
2.037E-08	2.604E-05	1.764E-01	7.303E-09	1.002E-09	6.915E-11	0.	5.000E+03		
3.814E-08	3.990E-05	1.663E-01	9.571E-08	3.327E-09	1.194E-10	0.	5.100E+03		
6.631E-08	5.452E-05	1.592E-01	3.212E-08	9.507E-09	3.632E-10	0.	5.200E+03		
1.092E-07	8.627E-05	1.527E-01	2.026E-08	2.541E-08	8.773E-13	0.	5.300E+03		
1.733E-07	1.214E-02	1.471E-01	1.104E-07	6.302E-08	1.983E-09	0.	5.400E+03		
2.594E-07	1.661E-02	1.416E-01	2.133E-07	1.514E-07	4.223E-09	8.803E-26	0.	5.500E+03	
3.671E-07	2.270E-02	1.361E-01	3.733E-07	3.401E-07	9.323E-09	8.437E-25	0.	5.600E+03	
5.133E-07	3.003E-02	1.303E-01	6.273E-07	7.263E-07	1.613E-08	7.354E-24	0.	5.700E+03	
6.957E-07	3.464E-02	1.240E-01	1.015E-06	1.478E-06	3.007E-08	5.159E-23	0.	5.800E+03	
9.319E-07	6.495E-02	1.171E-01	1.501E-06	2.074E-06	9.295E-08	3.351E-22	0.	5.900E+03	
1.216E-06	1.645E-02	1.074E-01	2.375E-06	5.331E-06	8.902E-08	1.948E-21	0.	7.000E+03	
1.586E-06	7.507E-02	1.011E-01	3.630E-06	9.500E-06	1.646E-07	1.021E-20	0.	7.200E+03	
1.909E-06	9.300E-02	9.218E-02	4.739E-06	1.662E-05	2.300E-07	4.850E-20	0.	7.400E+03	
2.444E-06	1.059E-01	6.270E-02	4.956E-06	2.715E-05	3.495E-07	2.104E-19	0.	7.600E+03	
3.002E-06	1.223E-01	7.315E-02	6.381E-06	4.332E-05	5.152E-07	8.384E-19	0.	7.800E+03	
3.652E-06	1.367E-01	6.156E-02	1.050E-05	6.679E-05	7.354E-07	3.085E-18	0.	8.000E+03	
4.306E-06	1.537E-01	5.630E-02	1.272E-05	9.971E-05	1.311E-06	1.054E-17	0.	8.200E+03	
5.210E-06	1.674E-01	5.603E-02	1.493E-05	1.444E-04	1.374E-06	3.360E-17	0.	8.400E+03	
6.152E-06	1.802E-01	5.776E-02	1.700E-05	2.035E-04	1.804E-06	1.005E-16	0.	8.600E+03	
7.195E-06	1.931E-01	5.004E-02	1.886E-05	2.704E-04	2.312E-04	2.834E-16	0.	8.800E+03	
8.352E-06	2.059E-01	4.691E-02	2.043E-05	3.750E-04	2.899E-04	7.571E-16	0.	9.000E+03	
9.627E-06	2.137E-01	4.995E-02	2.170E-05	4.932E-04	3.565E-04	1.923E-15	0.	9.200E+03	
1.102E-05	2.270E-01	5.592E-02	2.297E-05	6.364E-04	4.309E-04	4.676E-15	0.	9.400E+03	
1.254E-05	2.405E-01	2.618E-02	2.336E-05	8.094E-04	6.130E-04	1.000E-14	0.	9.600E+03	
1.419E-05	2.302E-01	9.394E-03	2.302E-05	1.014E-03	6.028E-04	2.445E-14	0.	9.800E+03	
1.596E-05	2.334E-01	7.910E-03	2.408E-05	1.259E-03	7.591E-04	5.298E-14	0.	1.000E+04	
2.662E-05	2.353E-01	2.601E-03	2.352E-05	3.152E-03	1.295E-03	1.627E-12	0.	1.100E+04	
3.974E-05	2.303E-01	9.655E-04	2.157E-05	6.630E-03	2.359E-05	2.809E-11	0.	1.200E+04	
5.353E-05	2.279E-01	3.772E-04	1.900E-05	1.227E-02	2.847E-03	3.122E-10	2.649E-25	0.	1.300E+04
6.727E-05	2.182E-01	1.635E-04	1.630E-05	2.047E-02	3.598E-03	2.476E-09	3.173E-23	0.	1.400E+04
7.741E-05	1.957E-01	7.043E-05	1.334E-05	3.132E-02	6.117E-03	1.491E-08	2.040E-21	0.	1.500E+04
8.262E-05	1.730E-01	3.194E-05	1.039E-05	4.436E-02	6.314E-03	7.189E-08	6.047E-20	0.	1.600E+04
8.130E-05	1.474E-01	1.396E-05	7.666E-06	9.888E-02	6.142E-03	2.879E-07	2.124E-18	0.	1.700E+04
7.645E-05	1.211E-01	6.031E-06	5.309E-06	7.360E-02	3.659E-03	9.877E-07	4.000E-17	0.	1.800E+04
6.334E-05	9.594E-02	2.553E-06	5.487E-06	6.608E-02	2.995E-05	2.975E-06	5.720E-16	0.	1.900E+04
5.049E-05	7.389E-02	1.046E-06	2.180E-06	6.702E-02	2.295E-05	8.030E-06	6.483E-15	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	HO
2.100E+04	3.553E-01	2.70E+16	1.491E-11	4.767E-06	2.514E-17	2.338E-01	4.574E-06	5.151E-05	2.498E-01
2.230E+04	3.877E-01	6.133E-17	4.801E-12	2.382E-06	5.296E-10	1.031E-01	2.309E-06	4.007E-05	2.760E-01
2.300E+04	4.134E-01	1.368E-17	1.577E-12	1.177E-06	1.104E-18	1.425E-01	1.148E-06	3.018E-05	2.974E-01
2.400E+04	4.332E-01	3.073E-18	5.123E-13	5.824E-07	2.338E-19	1.107E-01	5.691E-07	2.227E-05	3.143E-01
2.500E+04	4.484E-01	7.101E-19	1.700E-13	2.917E-07	5.125E-20	6.651E-02	8.821E-02	1.644E-07	1.627E-05
2.600E+04	4.597E-01	1.710E-19	5.816E-14	1.488E-07	1.178E-20	1.178E-02	1.178E-02	1.185E-05	3.370E-01
2.700E+04	4.683E-01	4.329E-20	2.065E-14	7.762E-08	2.854E-21	5.442E-02	7.494E-08	8.661E-06	5.443E-01
2.800E+04	4.751E-01	1.156E-20	7.630E-15	4.145E-08	7.309E-22	4.399E-02	3.981E-08	6.371E-06	3.497E-01
2.900E+04	4.805E-01	3.254E-21	2.932E-15	4.957E-08	9.466E-22	3.606E-02	2.171E-08	4.727E-06	3.534E-01
3.000E+04	4.852E-01	9.672E-22	1.169E-15	1.265E-08	5.601E-23	2.993E-02	1.210E-08	3.561E-06	3.562E-01
3.100E+04	4.894E-01	3.012E-22	4.825E-16	7.149E-09	1.658E-23	2.516E-02	9.984E-05	2.680E-06	3.570E-01
3.200E+04	4.935E-01	9.797E-23	2.051E-16	4.168E-09	5.058E-24	2.161E-02	4.112E-09	2.049E-06	3.564E-01
3.300E+04	4.974E-01	3.310E-23	8.32E-17	2.614E-09	1.802E-26	1.842E-02	2.474E-09	1.501E-06	3.583E-01
3.400E+04	5.022E-01	1.155E-23	3.970E-17	1.422E-09	5.158E-25	1.600E-02	1.972E-09	1.232E-06	3.579E-01
3.500E+04	5.069E-01	4.145E-26	1.801E-17	8.589E-10	1.675E-25	1.402E-02	9.617E-10	9.679E-07	3.558E-01
3.600E+04	5.118E-01	1.523E-26	8.255E-18	4.957E-10	9.497E-26	1.233E-02	6.172E-10	7.672E-07	3.538E-01
3.700E+04	5.176E-01	5.713E-25	3.024E-18	2.929E-10	1.804E-26	1.102E-02	4.035E-10	6.132E-07	3.514E-01
3.800E+04	5.214E-01	2.184E-25	1.789E-18	1.730E-10	5.947E-27	9.868E-03	2.683E-10	4.942E-07	3.489E-01
3.900E+04	5.262E-01	6.498E-26	8.600E-19	1.021E-10	1.966E-27	8.889E-03	1.613E-10	4.015E-07	3.465E-01
4.000E+04	5.304E-01	3.367E-26	4.037E-19	6.037E-11	6.930E-28	8.050E-03	1.244E-10	3.289E-07	3.441E-01
4.100E+04	5.342E-01	1.359E-26	1.948E-19	3.577E-11	2.188E-28	7.322E-03	8.663E-11	2.714E-07	3.420E-01
4.200E+04	5.376E-01	5.595E-27	5.511E-20	1.212E-11	7.395E-29	6.969E-03	6.113E-11	2.259E-07	3.401E-01
4.300E+04	5.404E-01	2.349E-27	4.704E-20	1.273E-11	2.536E-29	6.146E-03	4.370E-11	1.893E-07	3.384E-01
4.400E+04	5.432E-01	1.006E-27	2.361E-20	7.667E-12	8.038E-30	5.661E-03	2.162E-11	1.597E-07	3.370E-01
4.500E+04	5.459E-01	4.395E-28	1.202E-20	6.056E-12	3.136E-30	5.233E-03	2.314E-11	1.355E-07	3.357E-01
4.600E+04	5.475E-01	1.962E-28	6.205E-21	2.848E-12	1.132E-30	4.852E-03	1.712E-11	1.157E-07	3.345E-01
4.700E+04	5.494E-01	8.922E-29	3.250E-21	1.757E-12	4.162E-31	4.511E-03	1.279E-11	9.931E-08	3.334E-01
4.800E+04	5.513E-01	4.133E-29	1.725E-21	1.093E-12	0.	4.205E-03	9.647E-12	8.566E-08	3.323E-01
4.900E+04	5.531E-01	1.948E-29	9.277E-22	6.846E-13	0.	5.929E-03	7.367E-12	7.421E-08	3.313E-01
5.000E+04	5.549E-01	9.326E-30	5.047E-22	4.318E-13	0.	3.679E-03	5.634E-12	6.456E-08	3.301E-01

P/PD = 3.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	HO
5.000E+02	0.	5.674E-01	1.579E-20	4.983E-35	1.557E-28	7.289E-22	7.241E-01	1.324E-10	1.106E-21
6.000E+02	0.	2.262E-01	2.663E-17	6.969E-79	2.093E-24	6.565E-18	5.803E-01	1.032E-10	3.727E-21
7.000E+02	0.	6.949E-02	4.195E-15	1.064E-15	1.130E-21	3.717E-15	6.495E-01	6.495E-19	9.920E-21
8.000E+02	0.	2.352E-02	1.514E-13	1.337E-21	1.041E-19	4.539E-13	7.324E-01	8.335E-19	2.207E-20
9.000E+02	0.	9.493E-03	2.370E-12	3.357E-19	3.324E-18	1.843E-11	7.429E-01	7.965E-19	6.476E-20
1.100E+03	0.	4.494E-03	2.093E-11	2.772E-17	5.234E-17	5.384E-10	7.467E-01	7.587E-19	7.607E-20
1.200E+03	0.	2.379E-03	1.261E-10	1.021E-15	4.974E-16	4.048E-09	7.482E-01	7.154E-19	1.157E-19
1.300E+03	0.	1.601E-03	5.430E-10	2.001E-14	3.255E-15	3.114E-09	7.498E-01	6.405E-19	1.411E-19
1.400E+03	0.	6.014E-04	1.893E-09	2.639E-13	1.559E-14	1.748E-07	7.493E-01	6.186E-19	2.094E-19
1.500E+03	0.	2.155E-04	5.510E-09	2.332E-12	6.271E-12	7.684E-07	5.677E-01	5.697E-19	2.582E-19
1.600E+03	0.	1.894E-33	4.426E-04	1.390E-08	1.543E-11	2.057E-13	2.780E-04	7.497E-01	5.225E-19
1.700E+03	0.	4.300E-30	3.321E-06	3.122E-08	6.043E-11	5.832E-13	8.567E-06	7.497E-01	4.492E-19
1.800E+03	0.	6.007E-27	2.598E-06	4.376E-08	3.6469E-10	1.6467E-12	2.327E-05	7.498E-01	4.399E-19
1.900E+03	0.	1.774E-24	2.067E-04	1.202E-07	1.249E-09	3.334E-12	5.654E-05	7.498E-01	4.043E-19
2.000E+03	0.	6.214E-22	1.696E-06	2.120E-07	6.050E-09	6.946E-12	1.253E-04	7.498E-01	3.727E-19
2.100E+03	0.	5.044E-20	3.934E-07	1.151E-08	1.361E-11	2.567E-04	7.497E-01	3.667E-19	5.191E-19
2.200E+03	0.	1.709E-18	1.213E-06	5.610E-07	2.962E-10	2.491E-11	4.917E-06	7.495E-01	6.424E-19
2.300E+03	0.	1.563E-17	1.051E-06	4.937E-07	6.959E-08	4.324E-11	8.085E-04	7.491E-01	5.705E-19
2.400E+03	0.	1.032E-16	1.232E-06	1.533E-07	7.163E-11	1.526E-03	7.486E-01	3.410E-17	6.839E-17
2.500E+03	0.	5.764E-16	8.197E-05	1.710E-06	3.145E-07	1.139E-06	2.507E-03	7.477E-01	1.775E-16
2.600E+03	0.	2.788E-15	7.368E-05	2.4533E-06	6.091E-07	1.745E-10	3.959E-03	7.465E-01	1.100E-16
2.700E+03	0.	1.201E-14	6.618E-05	3.298E-06	1.2121E-06	2.567E-10	6.035E-03	7.464E-01	3.227E-15
2.800E+03	0.	6.650E-14	6.037E-05	4.333E-06	1.946E-06	3.725E-10	8.914E-03	7.421E-01	1.213E-14
2.900E+03	0.	1.631E-13	5.518E-06	5.573E-06	3.321E-06	2.220E-10	1.281E-02	7.397E-01	4.064E-14
3.000E+03	0.	5.298E-13	5.063E-05	7.029E-06	5.397E-06	7.135E-10	1.794E-02	7.363E-01	4.253E-13
3.100E+03	0.	1.587E-12	4.658E-05	8.705E-06	6.478E-06	9.530E-10	2.459E-02	7.285E-01	3.585E-13
3.100E+03	0.	6.431E-12	4.291E-05	1.000E-05	1.291E-05	1.246E-09	3.798E-02	7.212E-01	9.500E-12
3.200E+03	0.	1.161E-11	3.955E-05	1.270E-05	1.912E-05	1.595E-09	6.319E-02	7.122E-01	2.404E-12
3.300E+03	0.	2.872E-11	3.642E-05	1.498E-05	2.757E-05	2.004E-09	5.571E-02	7.012E-01	5.705E-12
3.400E+03	0.	6.734E-11	3.348E-05	1.742E-05	3.880E-05	2.470E-09	7.066E-02	6.801E-01	1.704E-11
3.500E+03	0.	1.504E-10	3.069E-05	1.946E-05	5.339E-05	2.991E-09	8.022E-02	6.727E-01	2.793E-11
3.600E+03	0.	3.212E-10	2.802E-05	2.255E-05	7.190E-05	3.558E-09	1.085E-01	6.550E-01	2.716E-10
3.700E+03	0.	8.709E+00	2.594E-05	2.513E-05	9.491E-05	4.161E-09	1.316E-01	6.367E-01	1.109E-10
3.800E+03	0.	1.297E-09	2.300E-05	2.763E-05	1.229E-06	6.705E-09	1.575E-01	6.121E-01	2.094E-10
3.900E+03	0.	2.467E-09	2.064E-05	2.997E-05	1.536E-06	9.413E-09	1.861E-01	5.870E-01	2.154E-09
4.000E+03	0.	5.505E-09	1.839E-05	3.208E-05	1.956E-06	6.026E-09	2.173E-01	5.597E-01	6.706E-10
4.100E+03	0.	6.098E-09	1.625E-05	3.306E-05	2.407E-06	6.602E-09	2.507E-01	5.304E-01	1.161E-09
4.200E+03	0.	1.403E-08	1.424E-05	3.535E-05	2.916E-06	7.123E-09	2.860E-01	4.994E-01	1.002E-08
4.300E+03	0.	2.327E-08	1.237E-05	3.640E-05	3.482E-06	7.571E-09	3.220E-01	4.672E-01	3.019E-08
4.400E+03	0.	8.890E-08	1.066E-05	3.703E-05	4.100E-06	7.931E-09	3.607E-01	4.360E-01	6.694E-08
4.500E+03	0.	6.246E-08	9.072E-06	3.722E-05	4.766E-06	8.193E-09	3.989E-01	4.004E-01	7.122E-08
4.600E+03	0.	9.800E-08	7.662E-06	3.808E-05	5.460E-06	6.352E-09	4.371E-01	3.669E-01	1.053E-08
4.700E+03	0.	1.504E-07	6.414E-06	3.630E-05	6.209E-06	6.409E-09	4.760E-01	3.335E-01	1.221E-08
4.800E+03	0.	2.270E-07	5.323E-06	3.535E-05	6.962E-06	8.369E-09	5.109E-01	3.020E-01	2.148E-08
4.800E+03	0.	2.270E-07	5.323E-06	3.535E-05	6.962E-06	8.369E-09			

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
3.062E-05	9.567E-02	4.204E-07	1.322E-06	1.055E-01	1.670E-05	1.978E-05	6.015E-14	0.	2.100E+04
2.811E-05	6.149E-02	1.697E-07	7.846E-07	1.118E-01	1.172E-05	4.911E-05	4.702E-13	0.	2.200E+04
1.989E-05	3.077E-02	6.939E-08	4.627E-07	1.150E-01	8.051E-06	9.637E-05	3.163E-12	0.	2.300E+04
1.384E-05	2.294E-02	2.903E-08	2.743E-07	1.180E-01	5.481E-06	1.945E-04	1.882E-11	0.	2.400E+04
9.377E-06	1.724E-02	1.233E-08	1.644E-07	1.203E-01	3.733E-06	3.736E-04	9.710E-11	0.	2.500E+04
6.640E-06	1.314E-02	9.392E-09	1.004E-07	1.213E-01	2.559E-06	6.859E-04	6.545E-10	0.	2.600E+04
4.644E-06	1.014E-02	2.584E-09	6.234E-08	1.216E-01	1.773E-06	1.208E-03	1.921E-09	0.	2.700E+04
3.242E-06	7.924E-03	1.234E-08	3.932E-08	1.219E-01	1.243E-06	2.047E-03	7.400E-09	0.	2.800E+04
2.358E-06	6.260E-03	6.064E-10	2.513E-08	1.203E-01	8.810E-07	3.343E-03	2.612E-08	0.	2.900E+04
1.720E-06	4.590E-03	3.052E-10	1.621E-08	1.185E-01	6.185E-07	5.322E-03	8.489E-08	0.	3.000E+04
1.279E-06	4.000E-03	1.564E-10	1.050E-08	1.156E-01	4.571E-07	7.998E-03	2.551E-07	0.	3.100E+04
9.080E-07	3.215E-03	8.101E-11	6.790E-09	1.117E-01	3.325E-07	1.171E-02	7.109E-07	0.	3.200E+04
7.667E-07	2.582E-03	6.213E-11	4.355E-09	1.064E-01	2.425E-07	1.654E-02	1.841E-06	0.	3.300E+04
5.868E-07	2.069E-03	2.166E-11	2.759E-09	9.988E-02	1.768E-07	2.750E-02	6.443E-06	0.	3.400E+04
4.694E-07	1.660E-03	1.124E-11	1.712E-09	9.214E-02	1.285E-07	2.948E-02	1.002E-05	1.053E-12	3.500E+04
3.021E-07	1.291E-03	5.712E-12	1.041E-09	8.350E-02	9.289E-08	3.724E-02	2.114E-05	4.725E-12	3.600E+04
3.159E-07	1.330E-03	2.859E-12	6.187E-12	7.434E-02	6.668E-08	4.543E-02	4.202E-05	1.914E-11	3.700E+04
2.658E-07	7.75dE-04	1.410E-12	3.597E-12	6.500E-02	4.751E-08	5.346E-02	7.911E-05	7.007E-11	3.800E+04
2.235E-07	5.927E-04	6.662E-13	2.050E-12	5.614E-02	3.916E-08	6.158E-02	1.414E-04	2.409E-10	3.900E+04
1.941E-07	4.642E-04	3.304E-13	1.150E-12	4.703E-02	2.360E-08	6.887E-02	2.413E-04	7.588E-10	4.000E+04
1.649E-07	3.344E-04	1.540E-13	6.375E-11	4.030E-02	1.654E-08	7.530E-02	3.963E-04	2.232E-09	4.100E+04
1.404E-07	2.539E-04	7.920E-14	3.507E-11	3.376E-02	1.157E-08	8.094E-02	6.274E-04	4.169E-09	4.200E+04
1.216E-07	1.901E-04	3.591E-14	1.929E-11	2.812E-02	8.079E-09	8.557E-02	6.625E-04	1.612E-08	4.300E+04
1.176E-07	1.422E-04	1.719E-14	1.054E-11	2.336E-02	5.667E-09	8.927E-02	1.439E-03	4.005E-08	4.400E+04
1.058E-07	1.064E-04	8.276E-15	5.780E-12	1.935E-02	3.955E-09	9.209E-02	2.087E-03	6.493E-08	4.500E+04
9.575E-08	7.979E-15	4.013E-15	3.187E-12	1.602E-02	2.777E-09	9.405E-02	2.965E-03	2.155E-07	4.600E+04
8.717E-08	5.992E-05	1.960E-15	1.766E-12	1.326E-02	1.955E-09	9.520E-02	6.121E-03	4.698E-07	4.700E+04
7.915E-08	6.538E-05	9.667E-14	9.412E-13	1.097E-02	1.303E-09	9.555E-02	5.613E-03	9.849E-07	4.800E+04
7.330E-08	3.197E-05	4.602E-16	5.476E-13	9.080E-03	9.845E-10	9.512E-02	7.490E-03	1.992E-06	4.900E+04
6.764E-08	2.563E-05	2.600E-16	7.369E-13	7.500E-03	7.011E-10	9.791E-02	9.821E-03	3.889E-06	5.000E+04

P/PD = 3.00E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.043E-01	4.344E-21	0.	0.	0.	0.	0.	3.000E+02
0.	0.	1.934E-01	6.643E-21	0.	0.	0.	0.	0.	6.000E+22
0.	0.	2.325E-01	1.160E-20	0.	0.	0.	0.	0.	1.000E+02
0.	1.636E-29	2.644E-01	1.648E-20	0.	0.	0.	0.	0.	6.000E+02
0.	4.028E-26	2.770E-01	1.799E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.729E-23	2.689E-01	2.062E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.774E-21	2.644E-01	2.255E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.033E-19	2.649E-01	2.374E-20	1.021E-33	0.	0.	0.	0.	1.200E+03
0.	1.242E-17	2.649E-01	2.627E-20	1.899E-32	0.	0.	0.	0.	1.300E+03
0.	3.040E-16	2.654E-01	2.627E-20	2.264E-31	0.	0.	0.	0.	1.400E+03
0.	5.553E-15	1.99E-11	2.307E-20	1.925E-30	0.	0.	0.	0.	1.500E+03
0.	6.104E-14	2.649E-01	2.321E-20	1.236E-29	0.	0.	0.	0.	1.600E+03
0.	5.074E-13	2.649E-01	2.239E-20	6.309E-29	0.	0.	0.	0.	1.700E+03
2.047E-27	3.336E-12	2.649E-01	2.148E-20	2.665E-28	0.	0.	0.	0.	1.800E+03
7.313E-25	1.031E-11	2.649E-01	2.059E-20	9.415E-28	0.	0.	0.	0.	1.900E+03
1.371E-22	6.222E-11	2.649E-01	2.091E-20	3.229E-27	0.	0.	0.	0.	2.000E+03
5.069E-11	1.250E-10	2.649E-01	1.692E-20	2.973E-26	1.145E-28	0.	0.	0.	2.100E+03
7.101E-10	1.159E-09	2.649E-01	1.605E-19	6.261E-25	3.636E-27	0.	0.	0.	2.200E+03
6.123E-09	3.556E-09	2.649E-01	2.150E-16	6.296E-24	6.596E-26	0.	0.	0.	2.300E+03
6.333E-08	1.113E-08	2.649E-01	1.113E-17	7.407E-23	4.732E-25	0.	0.	0.	2.400E+03
2.576E-17	2.627E-08	2.649E-01	5.210E-17	7.561E-22	1.154E-23	0.	0.	0.	2.500E+03
1.342E-16	6.672E-08	2.649E-01	2.141E-16	6.311E-21	1.129E-22	0.	0.	0.	2.600E+03
6.178E-16	1.799E-07	2.649E-01	6.046E-16	6.509E-20	9.318E-22	0.	0.	0.	2.700E+03
2.566E-15	1.713E-07	2.644E-01	2.756E-15	2.804E-19	6.603E-21	0.	0.	0.	2.800E+03
8.556E-15	6.773E-07	2.644E-01	6.640E-15	1.533E-18	6.043E-20	0.	0.	0.	2.900E+03
3.239E-14	2.649E-06	2.644E-01	2.239E-14	7.557E-18	2.731E-19	0.	0.	0.	3.000E+03
1.314E-13	2.364E-16	2.644E-01	6.840E-16	3.253E-17	1.091E-16	0.	0.	0.	3.100E+03
2.059E-13	6.193E-16	2.644E-01	1.750E-15	1.197E-16	6.416E-16	0.	0.	0.	3.200E+03
2.058E-12	1.213E-05	2.641E-01	9.736E-13	9.505E-15	1.939E-17	0.	0.	0.	3.300E+03
6.452E-12	1.904E-15	2.644E-01	1.411E-13	1.766E-15	7.101E-17	0.	0.	0.	3.400E+03
1.134E-11	3.103E-05	2.644E-01	6.492E-14	1.700E-14	7.663E-16	0.	0.	0.	3.500E+03
2.664E-11	6.732E-05	2.633E-01	9.008E-12	6.464E-14	2.339E-15	0.	0.	0.	3.600E+03
5.114E-11	7.104E-05	2.632E-01	1.770E-11	1.311E-13	6.569E-15	0.	0.	0.	3.800E+03
1.314E-10	1.057E-04	2.746E-01	3.934E-11	3.372E-13	1.763E-14	0.	0.	0.	3.900E+03
1.934E-10	1.522E-04	2.726E-01	8.040E-11	6.208E-13	6.384E-16	0.	0.	0.	4.000E+03
3.557E-10	2.152E-04	2.744E-01	1.038E-10	1.053E-12	1.052E-13	0.	0.	0.	4.100E+03
6.297E-10	2.343E-04	2.732E-01	1.076E-10	6.427E-12	2.608E-13	0.	0.	0.	4.200E+03
1.077E-09	4.346E-04	1.925E-01	3.163E-10	5.677E-12	5.727E-13	0.	0.	0.	4.300E+03
1.706E-09	5.552E-04	2.364E-01	5.223E-10	2.046E-11	1.115E-12	0.	0.	0.	4.400E+03
2.446E-08	7.104E-04	1.994E-01	4.644E-10	6.191E-11	2.266E-12	0.	0.	0.	4.500E+03
6.475E-08	2.571E-04	1.965E-01	1.339E-09	6.364E-11	6.666E-12	0.	0.	0.	4.600E+03
6.750E-08	1.2119E-03	1.646E-01	2.004E-08	1.610E-10	8.667E-12	0.	0.	0.	4.700E+03
1.007E-08	1.546E-03	1.644E-01	3.614E-09	3.059E-10	1.553E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
4.900E+03	3.357E-07	4.383E-06	3.405E-05	7.736E-04	8.242E-09	5.457E-01	2.714E-01	2.970E-08	3.152E-07
5.000E+03	4.840E-07	3.563E-06	3.252E-05	8.516E-04	8.039E-09	5.783E-01	2.429E-01	7.025E-08	6.622E-07
5.200E+03	6.629E-07	2.352E-06	2.900E-05	1.007E-03	7.461E-09	6.367E-01	1.940E-01	7.002E-08	9.332E-07
5.400E+03	1.870E-06	1.516E-06	2.523E-05	1.598E-03	6.764E-09	6.846E-01	1.481E-01	1.142E-07	1.703E-06
5.600E+03	3.303E-06	9.702E-07	2.157E-05	3.018E-03	5.980E-09	7.220E-01	1.130E-01	1.765E-07	3.233E-06
5.800E+03	5.898E-06	6.108E-07	1.822E-05	1.335E-03	5.229E-09	7.518E-01	6.703E-02	2.605E-07	5.599E-06
6.000E+03	9.763E-06	3.795E-07	1.528E-05	1.559E-03	6.527E-09	7.733E-01	6.659E-02	3.700E-07	9.308E-06
6.200E+03	1.573E-05	2.549E-07	1.275E-05	1.671E-03	3.089E-09	7.883E-01	5.112E-02	5.087E-07	1.493E-05
6.400E+03	2.460E-05	1.656E-07	1.048E-05	1.770E-03	3.318E-09	7.985E-01	3.947E-02	6.602E-07	2.318E-05
6.600E+03	3.766E-05	1.086E-07	8.819E-06	1.893E-03	2.012E-09	8.040E-01	3.088E-02	8.070E-07	3.495E-05
6.800E+03	5.571E-05	7.185E-05	7.316E-06	1.921E-03	2.366E-09	8.080E-01	2.403E-02	1.134E-06	9.135E-05
7.000E+03	8.107E-05	4.798E-05	6.058E-06	1.969E-03	1.974E-09	8.386E-01	1.697E-02	1.423E-06	7.365E-05
7.200E+03	1.157E-04	3.228E-05	5.005E-06	1.988E-03	1.631E-09	8.072E-01	1.510E-02	1.755E-06	1.034E-04
7.400E+03	1.622E-04	2.189E-05	4.125E-06	2.005E-03	1.333E-09	8.043E-01	1.211E-02	2.112E-06	1.422E-04
7.600E+03	2.237E-04	1.469E-05	3.380E-06	1.991E-03	2.077E-09	8.022E-01	9.794E-03	2.595E-06	1.921E-04
7.800E+03	3.039E-05	1.019E-05	2.734E-06	1.956E-03	8.594E-10	7.952E-01	7.902E-03	3.029E-06	2.593E-04
8.000E+03	4.070E-04	7.012E-05	2.263E-06	1.900E-03	6.767E-10	7.696E-01	6.957E-03	3.959E-06	3.343E-04
8.200E+03	5.379E-04	4.846E-05	1.840E-06	1.928E-03	5.260E-10	7.830E-01	5.340E-03	4.133E-06	4.321E-04
8.400E+03	7.021E-04	3.368E-05	1.492E-06	1.761E-03	4.064E-10	7.783E-01	4.934E-03	4.776E-06	5.510E-04
8.600E+03	8.056E-04	2.350E-05	1.207E-06	1.644E-03	3.064E-10	7.729E-01	3.616E-03	5.461E-06	6.973E-04
8.800E+03	1.155E-03	1.651E-05	9.758E-07	1.956E-03	2.311E-10	7.680E-01	3.230E-03	4.241E-06	8.728E-04
9.000E+03	1.458E-03	1.168E-05	7.886E-07	1.634E-03	1.720E-10	7.636E-01	2.769E-03	7.121E-06	1.003E-03
9.200E+03	1.822E-03	8.319E-05	6.317E-07	1.329E-03	1.287E-10	7.597E-01	2.380E-03	8.068E-06	1.333E-03
9.400E+03	2.257E-03	5.974E-05	5.168E-07	1.227E-03	9.594E-11	7.564E-01	2.070E-03	9.108E-06	1.629E-03
9.600E+03	2.770E-03	4.326E-05	4.199E-07	1.130E-03	7.107E-11	7.534E-01	1.807E-03	1.025E-03	1.976E-03
9.800E+03	3.372E-03	3.159E-05	3.423E-07	1.039E-03	5.289E-11	7.500E-01	1.587E-03	1.149E-03	2.381E-03
1.000E+04	4.074E-03	2.326E-05	2.801E-07	9.552E-03	3.965E-11	7.488E-01	1.401E-03	1.278E-03	2.851E-03
1.100E+04	6.475E-03	5.666E-11	1.059E-07	6.311E-04	9.020E-12	7.374E-01	8.013E-04	2.121E-05	6.428E-03
1.200E+04	1.918E-02	1.663E-11	4.079E-05	6.276E-04	2.780E-12	7.226E-01	5.931E-04	3.224E-05	1.270E-02
1.300E+04	3.677E-02	9.314E-12	2.138E-05	2.955E-04	8.066E-13	7.067E-01	3.113E-04	4.532E-05	2.292E-02
1.400E+04	5.757E-02	1.029E-12	1.122E-05	2.038E-04	6.647E-13	6.647E-01	4.066E-04	5.921E-05	3.770E-02
1.500E+04	8.024E-02	6.409E-13	4.764E-05	1.380E-04	9.640E-14	6.156E-01	1.346E-04	7.709E-05	9.700E-02
1.600E+04	1.204E-01	2.201E-13	2.181E-05	9.137E-05	3.046E-14	5.716E-01	8.639E-05	8.184E-05	8.331E-02
1.700E+04	1.704E-01	7.190E-14	4.579E-05	5.760E-05	4.277E-15	5.084E-01	5.931E-05	8.683E-05	1.173E-01
1.800E+04	2.181E-01	2.189E-15	3.981E-10	3.640E-05	6.014E-15	4.395E-01	3.20DE-05	8.595E-05	1.467E-01
1.900E+04	2.658E-01	1.431E-15	1.533E-10	5.766E-05	6.766E-15	3.693E-01	2.33DE-05	7.790E-05	1.812E-01
2.000E+04	3.105E-01	1.559E-15	5.369E-11	1.064E-05	1.016E-15	3.02DE-01	1.001E-05	6.846E-05	2.147E-01
2.100E+04	3.495E-01	1.865E-16	1.920E-11	5.520E-06	3.621E-17	2.642E-01	5.243E-06	5.619E-05	2.634E-01
2.200E+04	3.826E-01	9.676E-17	6.391E-12	2.793E-06	7.706E-18	1.909E-01	2.684E-06	4.605E-05	2.720E-01
2.300E+04	4.092E-01	2.040E-17	2.095E-12	1.393E-06	1.658E-18	1.492E-01	1.390E-06	3.347E-05	2.940E-01
2.400E+04	4.297E-01	6.861E-18	6.882E-13	4.950E-07	3.787E-19	1.185E-01	6.749E-07	2.488E-05	3.112E-01
2.500E+04	4.653E-01	1.001E-18	2.309E-13	3.503E-07	7.921E-20	9.139E-02	3.397E-07	1.826E-05	3.246E-01
2.600E+04	5.057E-01	2.657E-15	7.965E-16	1.794E-07	9.020E-20	7.223E-02	1.734E-07	1.334E-05	3.360E-01
2.700E+04	6.063E-01	7.078E-20	2.846E-16	9.040E-08	4.902E-21	5.775E-02	9.037E-08	9.790E-06	3.425E-01
2.800E+04	6.733E-01	1.024E-20	1.057E-14	5.041E-08	2.781E-21	4.676E-02	6.820E-08	7.225E-06	3.602E-01
2.900E+04	7.709E-01	5.169E-21	6.078E-15	7.630E-08	3.167E-22	3.837E-02	6.634E-08	5.372E-06	3.523E-01
3.000E+04	8.636E-01	1.542E-21	1.633E-15	1.547E-08	9.974E-23	3.100E-02	1.474E-08	6.031E-06	3.592E-01
3.100E+04	9.882E-01	6.024E-22	6.762E-16	8.017E-09	2.172E-23	2.848E-02	8.511E-09	3.050E-06	3.570E-01
3.200E+04	1.074E-01	1.576E-22	2.888E-16	5.102E-09	8.265E-24	2.7578E-02	5.011E-09	2.339E-06	3.579E-01
3.300E+04	1.266E-01	3.368E-23	1.593E-16	7.987E-09	5.161E-24	1.947E-02	3.229E-09	1.807E-06	3.579E-01
3.400E+04	1.463E-01	1.776E-23	9.620E-17	1.762E-09	8.737E-25	1.709E-02	1.640E-09	1.409E-06	3.572E-01
3.500E+04	1.657E-01	6.766E-24	5.362E-17	1.046E-09	2.781E-25	1.499E-02	1.177E-09	1.108E-06	3.555E-01
3.600E+04	1.860E-01	2.900E-24	1.178E-17	6.202E-10	9.202E-26	1.324E-02	8.759E-10	8.795E-07	3.534E-01
3.700E+04	2.065E-01	9.431E-25	5.509E-18	3.686E-10	3.057E-26	1.178E-02	6.963E-10	7.030E-07	3.514E-01
3.800E+04	2.273E-01	3.628E-25	2.500E-18	2.179E-10	1.01M-26	1.050E-02	3.289E-10	5.666E-07	3.492E-01
3.900E+04	2.480E-01	1.419E-25	1.232E-18	1.279E-10	3.001E-27	9.511E-03	2.224E-10	4.607E-07	3.468E-01
4.000E+04	2.929E-01	5.653E-26	5.911E-19	1.710E-11	1.616E-27	8.815E-03	1.922E-10	3.775E-07	3.465E-01
4.100E+04	3.331E-01	2.293E-26	2.686E-19	4.598E-11	3.054E-28	7.840E-03	1.043E-10	3.112E-07	3.423E-01
4.200E+04	3.366E-01	9.678E-27	1.605E-19	2.761E-11	5.155E-28	7.167E-03	7.504E-11	2.939E-07	3.624E-01
4.300E+04	3.397E-01	9.955E-27	6.979E-20	1.666E-11	6.544E-29	6.579E-03	5.365E-11	2.122E-07	3.307E-01
4.400E+04	3.423E-01	1.711E-27	3.513E-20	9.97E-12	1.594E-29	6.061E-03	3.602E-11	1.032E-07	3.372E-01
4.500E+04	3.447E-01	5.502E-28	1.705E-20	8.059E-12	5.005E-30	5.020E-03	2.847E-11	1.555E-07	3.350E-01
4.600E+04	3.468E-01	3.368E-28	9.287E-21	3.710E-12	2.066E-30	5.195E-03	2.102E-11	1.320E-07	3.347E-01
4.700E+04	3.488E-01	5.536E-28	4.076E-21	2.298E-12	6.288E-31	6.030E-03	1.971E-11	1.140E-07	3.334E-01
4.800E+04	3.505E-01	7.132E-29	2.595E-21	1.432E-12	0.	6.503E-03	1.185E-11	9.912E-08	3.325E-01
4.900E+04	3.524E-01	3.370E-29	1.399E-21	8.997E-13	0.	6.200E-03	9.020E-12	6.919E-08	3.315E-01
5.000E+04	3.543E-01	1.610E-29	7.628E-22	5.688E-13	0.	3.940E-03	6.923E-12	7.612E-08	3.303E-01

$$P/P_0 = 3.20E+01$$

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.779E-01	1.570E-20	6.021E-19	1.584E-20	6.975E-22	3.166E-01	1.336E-10	1.160E-21
6.000E+02	0.	2.356E-01	2.003E-17	6.085E-20	2.179E-20	6.222E-18	5.713E-01	1.04cf-10	9.657E-21
7.000E+02	0.	7.298E-02	6.305E-19	1.040E-20	1.059E-21	3.705E-19	6.945E-01	6.933E-10	9.677E-21
8.000E+02	0.	2.902E-02	1.560E-13	1.335E-21	1.10M-19	6.342E-19	7.312E-01	6.350E-10	2.221E-20
9.000E+02	0.	1.006E-02	2.044E-12	3.356E-19	3.542E-19	1.704E-19	7.625E-01	7.607E-10	6.363E-20
1.000									

TABLE II.- Continued

<i>N</i>	<i>N</i>	<i>N₂</i>	<i>N₂⁰</i>	<i>N₃</i>	<i>N₄</i>	<i>N₅</i>	<i>N₆</i>	<i>N₇</i>	<i>N₈</i>	<i>N₉</i>	<i>N₁₀</i>	<i>N₁₁</i>	<i>N₁₂</i>	<i>N₁₃</i>	<i>N₁₄</i>	<i>N₁₅</i>	<i>N₁₆</i>	<i>N₁₇</i>
1.456E-38	2.011E-03	1.801E-01	4.831E-09	5.648E-10	2.003E-11	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.30E+03			
4.059E-08	2.524E-03	1.757E-01	1.147E-09	1.020E-09	4.898E-11	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.00E+03			
3.871E-08	3.476E-03	1.675E-01	1.537E-09	3.135E-09	1.391E-10	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.20E+03			
6.778E-08	5.769E-03	1.602E-01	3.137E-08	8.946E-09	3.620E-10	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.40E+03			
1.116E-07	8.355E-03	1.538E-01	6.136E-08	2.388E-06	8.743E-10	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.60E+03			
1.749E-07	1.140E-02	1.479E-01	1.154E-07	5.992E-08	1.983E-09	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.80E+03			
2.615E-07	1.629E-02	1.424E-01	2.038E-07	1.420E-07	4.225E-09	7.999E-20	0.	0.	0.	0.	0.	0.	0.	0.	6.00E+03			
3.777E-07	2.199E-02	1.369E-01	3.638E-07	3.100E-07	9.532E-09	7.819E-25	0.	0.	0.	0.	0.	0.	0.	0.	6.20E+03			
7.217E-07	3.768E-02	1.249E-01	9.088E-07	1.387E-06	3.014E-08	6.670E-23	0.	0.	0.	0.	0.	0.	0.	0.	6.40E+03			
9.620E-07	6.708E-02	1.181E-01	1.543E-06	2.697E-06	5.312E-08	9.042E-22	0.	0.	0.	0.	0.	0.	0.	0.	6.60E+03			
1.257E-06	5.946E-02	1.106E-01	2.321E-06	5.027E-06	8.999E-08	1.770E-21	0.	0.	0.	0.	0.	0.	0.	0.	7.00E+03			
1.612E-06	7.299E-02	1.026E-01	3.308E-06	8.989E-06	1.468E-07	9.200E-21	0.	0.	0.	0.	0.	0.	0.	0.	7.20E+03			
2.036E-06	6.762E-02	9.362E-02	4.713E-06	1.546E-05	2.315E-07	4.416E-20	0.	0.	0.	0.	0.	0.	0.	0.	7.40E+03			
2.594E-06	1.333E-01	6.435E-02	8.362E-06	2.641E-05	3.928E-07	1.919E-19	0.	0.	0.	0.	0.	0.	0.	0.	7.60E+03			
3.113E-06	1.195E-01	7.641E-02	8.288E-06	4.093E-05	5.205E-06	7.660E-19	0.	0.	0.	0.	0.	0.	0.	0.	7.80E+03			
3.786E-06	1.354E-01	6.526E-02	1.043E-05	6.323E-05	7.466E-07	2.626E-18	0.	0.	0.	0.	0.	0.	0.	0.	8.00E+03			
4.561E-06	1.217E-01	5.459E-02	1.269E-05	9.459E-05	1.034E-06	5.669E-18	0.	0.	0.	0.	0.	0.	0.	0.	8.20E+03			
5.402E-06	1.149E-01	4.726E-02	1.645E-05	1.373E-04	1.397E-06	3.009E-17	0.	0.	0.	0.	0.	0.	0.	0.	8.40E+03			
6.370E-06	1.835E-01	3.924E-02	1.711E-05	1.939E-04	1.838E-06	6.200E-17	0.	0.	0.	0.	0.	0.	0.	0.	8.60E+03			
7.427E-06	1.942E-01	3.223E-02	1.904E-05	2.666E-04	2.301E-06	2.616E-16	0.	0.	0.	0.	0.	0.	0.	0.	8.80E+03			
8.448E-06	2.391E-01	2.613E-02	2.073E-05	3.588E-04	2.984E-06	7.002E-16	0.	0.	0.	0.	0.	0.	0.	0.	9.00E+03			
9.968E-06	2.119E-01	2.101E-02	2.205E-05	4.726E-04	3.654E-06	1.703E-15	0.	0.	0.	0.	0.	0.	0.	0.	9.20E+03			
1.141E-05	2.190E-01	1.678E-02	2.315E-05	6.312E-04	4.427E-06	4.338E-15	0.	0.	0.	0.	0.	0.	0.	0.	9.40E+03			
1.259E-05	2.247E-01	1.330E-02	2.392E-05	7.770E-04	5.278E-06	1.012E-14	0.	0.	0.	0.	0.	0.	0.	0.	9.60E+03			
1.666E-05	2.292E-02	1.042E-02	2.464E-05	9.757E-04	6.210E-06	2.273E-14	0.	0.	0.	0.	0.	0.	0.	0.	9.80E+03			
1.693E-05	2.326E-01	8.437E-02	2.475E-05	1.204E-03	7.222E-06	4.929E-14	0.	0.	0.	0.	0.	0.	0.	0.	1.00E+04			
2.759E-05	7.396E-01	2.783E-01	2.431E-05	3.042E-03	1.340E-05	1.518E-12	0.	0.	0.	0.	0.	0.	0.	0.	1.10E+04			
4.121E-05	2.746E-01	1.185E-02	2.236E-05	6.408E-03	2.114E-05	2.615E-11	0.	0.	0.	0.	0.	0.	0.	0.	1.20E+04			
5.605E-05	2.245E-01	6.066E-04	1.946E-05	1.187E-02	2.955E-05	2.915E-10	2.404E-25	0.	0.	0.	0.	0.	0.	0.	1.30E+04			
7.138E-05	2.153E-01	1.737E-02	1.700E-05	1.946E-02	3.762E-05	7.311E-19	2.857E-23	0.	0.	0.	0.	0.	0.	0.	1.40E+04			
8.091E-05	1.973E-01	1.393E-02	3.046E-05	4.311E-02	1.354E-05	1.354E-08	1.842E-21	0.	0.	0.	0.	0.	0.	0.	1.50E+04			
8.657E-05	1.753E-01	3.646E-05	1.308E-05	4.314E-02	6.546E-05	6.722E-20	7.292E-20	0.	0.	0.	0.	0.	0.	0.	1.60E+04			
8.952E-05	1.503E-01	1.545E-05	8.135E-05	5.722E-02	4.349E-05	2.695E-07	1.906E-16	0.	0.	0.	0.	0.	0.	0.	1.70E+04			
7.492E-05	1.239E-01	6.771E-02	5.702E-04	7.146E-02	3.916E-05	9.251E-07	3.590E-17	0.	0.	0.	0.	0.	0.	0.	1.80E+04			
8.823E-05	6.072E-02	2.085E-06	3.746E-06	8.460E-02	3.230E-05	2.788E-06	5.120E-16	0.	0.	0.	0.	0.	0.	0.	1.90E+04			
5.913E-05	7.646E-02	1.164E-06	2.395E-06	9.570E-02	2.504E-05	5.532E-06	5.703E-15	0.	0.	0.	0.	0.	0.	0.	2.00E+04			
6.222E-05	5.612E-02	6.910E-07	1.646E-06	1.046E-01	1.846E-05	1.836E-05	5.300E-14	0.	0.	0.	0.	0.	0.	0.	2.10E+04			
3.100E-05	4.320E-02	6.757E-07	4.757E-01	1.302E-01	1.302E-05	4.232E-05	4.170E-13	0.	0.	0.	0.	0.	0.	0.	2.20E+04			
2.210E-05	3.245E-02	8.271E-08	3.203E-07	1.152E-01	9.005E-06	9.039E-05	2.700E-12	0.	0.	0.	0.	0.	0.	0.	2.30E+04			
1.568E-05	2.629E-02	3.638E-04	3.100E-07	1.181E-01	6.165E-06	1.874E-06	1.643E-11	0.	0.	0.	0.	0.	0.	0.	2.40E+04			
1.376E-05	1.432E-02	1.513E-08	1.640E-07	1.203E-01	6.210E-06	3.501E-06	6.557E-11	0.	0.	0.	0.	0.	0.	0.	2.50E+04			
7.492E-06	1.349E-02	6.784E-05	1.143E-07	1.211E-01	2.902E-06	6.426E-06	3.995E-10	0.	0.	0.	0.	0.	0.	0.	2.60E+04			
5.253E-06	1.361E-02	3.167E-07	7.115E-09	1.215E-01	2.916E-06	1.312E-03	1.487E-09	0.	0.	0.	0.	0.	0.	0.	2.70E+04			
3.725E-06	6.461E-02	1.507E-07	4.496E-08	1.212E-01	1.617E-06	1.910E-03	5.159E-09	0.	0.	0.	0.	0.	0.	0.	2.80E+04			
2.679E-06	6.453E-02	7.333E-07	2.049E-08	1.204E-01	1.001E-06	3.1393E-03	2.292E-08	0.	0.	0.	0.	0.	0.	0.	2.90E+04			
1.955E-06	5.365E-03	3.753E-01	1.086E-08	1.180E-01	7.233E-07	6.959E-03	7.455E-08	0.	0.	0.	0.	0.	0.	0.	3.00E+04			
1.457E-06	6.294E-03	1.933E-08	1.213E-08	1.181E-01	5.266E-07	7.514E-03	2.249E-07	0.	0.	0.	0.	0.	0.	0.	3.10E+04			
1.106E-06	3.459E-03	1.025E-10	7.079E-01	1.124E-01	3.923E-07	1.123E-02	6.266E-07	0.	0.	0.	0.	0.	0.	0.	3.20E+04			
8.922E-07	2.786E-03	5.259E-03	1.074E-09	1.074E-01	2.797E-07	1.562E-02	1.627E-08	0.	0.	0.	0.	0.	0.	0.	3.30E+04			
6.700E-07	2.230E-03	2.766E-01	3.233E-09	1.012E-01	2.068E-07	2.132E-02	3.940E-06	0.	0.	0.	0.	0.	0.	0.	3.40E+04			
5.362E-07	1.708E-03	1.266E-01	2.029E-09	9.374E-02	1.493E-07	2.806E-02	6.970E-06	0.774E-13	0.	0.	0.	0.	0.	0.	3.50E+04			
4.108E-07	1.610E-03	1.733E-02	1.245E-09	8.934E-02	1.788E-07	3.561E-02	1.893E-05	3.956E-12	0.	0.	0.	0.	0.	0.	3.60E+04			
3.011E-07	8.559E-04	1.834E-02	6.338E-10	7.631E-02	5.630E-08	5.163E-02	7.160E-05	5.992E-11	0.	0.	0.	0.	0.	0.	3.70E+04			
2.599E-07	6.771E-04	6.332E-13	2.526E-10	5.823F-02	3.493E-08	5.975E-02	1.284E-04	2.046E-10	0.	0.	0.	0.	0.	0.	3.80E+04			
2.220E-07	5.004E-06	4.342E-13	1.630E-10	4.984E-02	2.815E-03	6.713E-02	2.752E-04	4.772E-10	0.	0.	0.	0.	0.	0.	3.90E+04			
1.433E-07	3.747E-06	2.119E-13	9.598E-11	6.222E-02	1.981E-08	7.376E-02	3.628E-04	1.911E-09	0.	0.	0.	0.	0.	0.	4.00E+04			
1.199E-07	2.652E-06	1.014E-13	6.635E-11	5.960E-02	3.340E-08	7.940E-02	5.703E-04	4.299E-09	0.	0.	0.	0.	0.	0.	4.10E+04			
1.966E-07	2.163E-06	6.691E-14	2.666E-01	2.966E-01	4.763E-08	6.633E-02	8.604E-06	1.300E-08	0.	0.	0.	0.	0.	0.	4.20E+04			
1.336E-07	1.606E																	

TABLE II.- Continued

I	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
1.300E+03	0.	9.614E-06	1.955E-09	2.635E-13	1.705E-14	1.692E-07	7.493E-01	6.235E-19	2.044E-19
1.400E+03	0.	6.565E-06	5.690E-09	2.332E-12	6.689E-16	7.440E-07	7.495E-01	5.753E-19	2.524E-19
1.500E+03	1.759E-33	4.721E-06	1.435E-09	5.543E-11	2.194E-13	2.692E-06	7.496E-01	5.290E-19	2.989E-19
1.600E+03	3.279E-30	3.542E-06	3.224E-09	8.063E-11	6.221E-13	8.314E-06	7.497E-01	4.658E-19	3.426E-19
1.700E+03	3.702E-27	2.753E-06	6.582E-09	3.468E-10	1.565E-12	2.259E-05	7.498E-01	4.464E-19	3.027E-19
1.800E+03	1.640E-24	2.204E-06	1.241E-07	1.269E-09	3.562E-12	5.474E-05	7.499E-01	4.108E-19	4.191E-19
1.900E+03	3.883E-22	1.809E-06	2.190E-07	4.050E-09	7.632E-12	1.213E-04	7.499E-01	3.792E-19	4.519E-19
2.000E+03	5.078E-20	1.516E-06	3.650E-07	1.151E-08	1.451E-11	2.485E-04	7.497E-01	3.718E-19	5.096E-19
2.100E+03	1.624E-18	1.294E-06	5.794E-07	2.962E-08	2.650E-11	4.761E-04	7.495E-01	5.494E-19	1.477E-18
2.200E+03	1.497E-17	1.122E-06	8.817E-07	6.995E-08	4.613E-11	8.603E-06	7.492E-01	5.465E-18	9.882E-18
2.300E+03	9.888E-17	9.848E-06	1.293E-06	1.533E-07	7.644E-11	1.470E-03	7.488E-01	3.346E-17	6.461E-17
2.400E+03	5.501E-16	6.745E-05	1.837E-06	3.145E-07	1.215E-10	2.427E-03	7.478E-01	1.738E-16	3.705E-16
2.500E+03	2.669E-15	7.839E-05	2.534E-06	6.092E-07	1.861E-10	3.833E-03	7.466E-01	7.942E-16	1.850E-15
2.600E+03	1.149E-14	7.084E-05	3.408E-06	1.121E-06	2.761E-10	5.844E-03	7.446E-01	3.235E-15	8.179E-15
2.700E+03	4.450E-14	6.643E-05	4.477E-06	1.970E-06	3.975E-10	8.636E-03	7.424E-01	1.189E-14	3.243E-14
2.800E+03	1.567E-13	5.890E-05	5.759E-06	3.323E-06	5.572E-10	1.241E-02	7.391E-01	3.985E-14	1.167E-13
2.900E+03	5.068E-13	5.406E-05	7.265E-06	5.400E-06	7.618E-10	1.730E-02	7.347E-01	1.229E-13	3.048E-13
3.000E+03	1.517E-12	4.976E-05	9.031E-06	8.484E-06	1.018E-09	2.378E-02	7.291E-01	3.517E-13	1.173E-12
3.100E+03	4.237E-12	4.587E-05	1.096E-05	1.292E-05	1.331E-09	3.186E-02	7.221E-01	9.403E-13	3.330E-12
3.200E+03	1.110E-11	4.231E-05	1.314E-05	1.914E-05	1.706E-09	4.185E-02	7.193E-01	2.362E-12	9.881E-12
3.300E+03	2.746E-11	3.499E-05	1.552E-05	2.761E-05	2.144E-09	5.400E-02	7.027E-01	5.606E-12	2.223E-11
3.400E+03	6.439E-11	3.588E-05	1.805E-05	3.888E-05	2.644E-09	6.451E-02	6.900E-01	1.263E-11	5.284E-11
3.500E+03	1.433E-10	3.293E-05	2.070E-05	5.352E-05	3.206E-09	8.556E-02	6.751E-01	2.709E-11	1.195E-10
3.600E+03	3.571E-10	3.011E-05	2.341E-05	7.212E-05	3.818E-09	1.053E-01	6.574E-01	5.555E-11	2.504E-10
3.700E+03	6.293E-10	2.740E-05	2.612E-05	9.526E-05	4.471E-09	1.278E-01	6.381E-01	1.043E-10	5.355E-10
3.800E+03	1.261E-09	2.480E-05	2.875E-05	1.235E-04	5.150E-09	1.530E-01	6.160E-01	2.066E-10	1.067E-09
3.900E+03	2.361E-09	2.121E-05	3.124E-05	1.572E-04	5.833E-09	1.809E-01	5.916E-01	3.766E-10	2.052E-09
4.000E+03	4.344E-09	1.952E-05	3.349E-05	1.968E-04	6.509E-09	2.113E-01	5.649E-01	6.631E-10	3.813E-09
4.100E+03	7.751E-09	1.765E-05	3.545E-05	2.424E-04	7.147E-09	2.446E-01	5.362E-01	1.130E-09	6.847E-09
4.200E+03	1.344E-08	1.552E-05	3.705E-05	2.961E-04	7.729E-09	2.787E-01	5.056E-01	1.867E-09	1.201E-08
4.300E+03	2.267E-08	1.352E-05	3.825E-05	3.510E-04	8.235E-09	3.149E-01	4.741E-01	2.994E-09	2.063E-08
4.400E+03	3.728E-08	1.167E-05	3.906E-05	4.145E-04	8.646E-09	3.522E-01	4.414E-01	4.672E-09	3.386E-08
4.500E+03	5.987E-08	9.696E-06	3.930E-05	4.824E-04	9.595E-09	3.900E-01	4.082E-01	7.095E-09	5.477E-08
4.600E+03	9.402E-08	8.470E-06	3.915E-05	5.545E-04	9.160E-09	4.279E-01	3.750E-01	1.052E-08	8.659E-08
4.700E+03	1.466E-07	7.119E-06	3.858E-05	6.300E-04	9.749E-09	4.652E-01	3.422E-01	1.523E-08	1.340E-07
4.800E+03	2.180E-07	5.933E-06	3.763E-05	7.080E-04	9.233E-09	5.015E-01	3.103E-01	2.155E-08	2.032E-07
4.900E+03	3.226E-07	4.905E-06	3.636E-05	7.878E-04	9.118E-09	5.363E-01	2.796E-01	2.985E-08	3.022E-07
5.000E+03	6.493E-07	4.027E-06	3.642E-05	8.685E-04	9.191E-09	5.692E-01	2.506E-01	4.054E-08	4.415E-07
5.200E+03	9.463E-07	2.665E-06	3.121E-05	1.030E-03	8.320E-09	6.283E-01	1.983E-01	7.082E-08	9.698E-07
5.400E+03	1.802E-06	1.732E-06	2.729E-05	1.187E-03	7.558E-09	6.774E-01	1.546E-01	1.160E-07	1.716E-06
5.600E+03	3.263E-06	1.114E-06	2.343E-05	1.333E-03	6.726E-09	7.166E-01	1.193E-01	1.799E-07	3.117E-06
5.800E+03	5.655E-06	7.145E-07	1.986E-05	1.576E-03	5.902E-09	7.467E-01	9.158E-02	2.662E-07	5.400E-06
6.000E+03	9.431E-06	4.591E-07	1.670E-05	1.606E-03	5.124E-09	7.691E-01	7.029E-02	3.791E-07	9.986E-06
6.200E+03	1.520E-05	2.960E-07	1.398E-05	1.724E-03	4.614E-09	7.851E-01	5.410E-02	5.222E-07	1.442E-05
6.400E+03	2.378E-05	1.934E-05	1.166E-05	1.828E-03	3.775E-09	7.961E-01	4.185E-02	6.994E-07	2.241E-05
6.600E+03	3.623E-05	1.272E-05	9.706E-06	1.917E-03	3.207E-09	8.030E-01	3.258E-02	9.161E-07	3.381E-05
6.800E+03	5.380E-05	6.439E-08	8.067E-06	1.989E-03	2.705E-09	8.067E-01	2.556E-02	1.170F-06	4.970E-05
7.000E+03	7.842E-05	5.667E-08	6.693E-06	2.042E-03	2.263E-09	8.079E-01	2.020E-02	1.468E-06	7.132E-05
7.200E+03	1.119E-04	3.808E-06	5.562E-05	2.075E-03	1.878E-09	8.069E-01	1.609E-02	1.812E-06	1.001E-04
7.400E+03	1.509E-04	2.586E-08	4.576E-06	2.086E-03	1.593E-09	8.043E-01	1.292E-02	2.204E-06	1.378E-04
7.600E+03	2.164E-04	1.766E-06	3.767E-06	2.075E-03	1.248E-09	8.004E-01	1.054E-02	2.644E-06	1.882E-04
7.800E+03	2.940E-04	1.212E-05	3.091E-06	2.042E-03	9.991E-10	7.956E-01	8.524E-03	3.135E-06	2.474E-04
8.000E+03	3.937E-04	1.359E-06	2.527E-06	1.988E-03	7.899E-10	7.903E-01	7.005E-03	3.679E-06	3.243E-04
8.200E+03	5.203E-04	5.791E-09	2.059E-06	1.916E-03	6.167E-10	7.844E-01	5.803E-03	4.281E-06	4.191E-04
8.400E+03	6.792E-04	4.031E-09	1.674E-06	1.829E-03	4.756E-10	7.790E-01	4.846E-03	4.945E-06	5.353E-04
8.600E+03	8.761E-04	2.621E-09	1.357E-06	1.701E-03	3.828E-10	7.737E-01	4.075E-03	5.677E-06	6.766E-04
8.800E+03	1.118E-03	1.986E-05	1.099E-06	1.625E-03	2.743E-10	7.687E-01	3.461E-03	6.484E-06	8.465E-04
9.000E+03	1.411E-03	1.407E-09	8.896E-07	1.516E-03	2.059E-10	7.643E-01	2.959E-03	7.373E-06	1.050E-03
9.200E+03	1.763E-03	1.004E-09	7.207E-07	1.070E-03	1.539E-10	7.604E-01	2.549E-03	8.351E-06	1.293E-03
9.400E+03	2.184E-03	7.216E-10	5.866E-07	1.301E-03	1.174E-10	7.559E-01	2.211E-03	9.424E-06	1.579E-03
9.600E+03	2.681E-03	5.231E-10	4.757E-07	1.199E-03	8.540E-11	7.539E-01	1.930E-03	1.060E-05	9.151E-03
9.800E+03	3.264E-03	3.823E-10	3.882E-07	1.040E-03	6.370E-11	7.513E-01	1.695E-03	1.188E-05	2.308E-03
1.000E+04	3.944E-03	2.818E-10	3.179E-07	1.016E-03	4.764E-11	7.488E-01	1.498E-03	1.327E-05	2.763E-03
1.100E+04	4.176E-03	6.910E-11	1.249E-07	6.732E-04	1.193E-11	7.378E-01	8.558E-04	2.194E-05	6.228E-03
1.200E+04	1.859E-02	2.002E-11	5.341E-06	4.571E-04	3.388E-12	7.237E-01	5.272E-04	3.336E-05	1.238E-02
1.300E+04	3.702E-02	6.507E-12	2.447E-08	3.161E-04	2.056E-12	7.202E-01	3.380E-04	4.695E-05	2.222E-02
1.400E+04	5.585E-02	2.256E-12	1.158E-07	2.191E-04	3.511E-13	6.712E-01	2.220E-04	6.148E-05	3.662E-02
1.500E+04	6.571E-02	7.970E-13	5.494E-09	1.498E-04	1.176E-13	6.292E-01	1.454E-04	7.507E-05	5.619E-02
1.600E+04	1.230E-01	2.771E-13	2.552E-09	9.939E-05	3.843E-14	5.765E-01	9.373E-05	8.557E-05	8.098E-02
1.700E+04	1.663E-01	9.194E-14	1.134E-09	6.327E-05	1.190E-15	5.144E-01	5.870E-05	9.104E-05	1.104E-01
1.800E+04	2.131E-01	2.851E-14	4.759E-10	3.833E-05	3.421E-15	4.469E-01	3.537E-05	9.051E-05	1.431E-01
1.900E+04	2.604E-01	6.175E-15	1.027E-10	2.034E-05	9.056E-16	3.774E-01	2.041E-05	6.418E-05	1.777E-01
2.000E+04	3.050E-01	2.164E-15	6.917E-11	1.206E-05	2.214E-16	3.105E-01	1.127E-05	7.358E-05	2.105E-01
2.100E+04	4.663E-01	1.030E-19	3.837E-14	1.125E-07	6.855E-21	6.102E-02	1.076E-07	1.098E-05	3.400E-01
2.200E+04	6.337E-01	4.631E-16	2.426E-10	6.336E-06	9.076E-17	5.501E-01	5.992E-06	6.088E-05	2.413E-01
2.									

TABLE II.- Continued

H-	N-	N2	N2+	N+	N-	N2+	N+	N-	N2+	N+	T
0.	1.677E-17	2.498E-01	2.447E-20	1.845E-32	0.	0.	0.	0.	0.	0.	1.300E+03
0.	3.474E-16	2.498E-01	2.451E-20	2.210E-31	0.	0.	0.	0.	0.	0.	1.400E+03
0.	5.374E-15	2.499E-01	2.415E-20	1.884E-30	0.	0.	0.	0.	0.	0.	1.500E+03
0.	9.918E-14	2.499E-01	2.351E-20	1.212E-29	0.	0.	0.	0.	0.	0.	1.600E+03
2.783E-30	4.913E-13	2.499E-01	2.272E-20	6.194E-29	0.	0.	0.	0.	0.	0.	1.700E+03
1.950E-27	5.230E-12	2.499E-01	2.183E-20	2.622E-28	0.	0.	0.	0.	0.	0.	1.800E+03
6.983E-25	1.744E-11	2.497E-01	2.092E-20	9.472E-28	0.	0.	0.	0.	0.	0.	1.900E+03
1.309E-22	7.961E-11	2.495E-01	2.120E-20	3.169E-27	9.764E-31	0.	0.	0.	0.	0.	2.000E+03
5.763E-21	3.147E-10	2.499E-01	5.573E-20	2.457E-26	1.135E-28	0.	0.	0.	0.	0.	2.100E+03
7.040E-20	1.099E-09	2.499E-01	3.412E-19	4.021E-25	3.397E-27	0.	0.	0.	0.	0.	2.200E+03
6.058E-19	3.443E-09	2.495E-01	2.063E-18	5.967E-24	6.520E-26	0.	0.	0.	0.	0.	2.300E+03
4.254E-18	9.813E-09	2.497E-01	1.095E-17	7.210E-23	9.627E-25	0.	0.	0.	0.	0.	2.400E+03
2.547E-17	2.573E-08	2.495E-01	5.102E-17	7.169E-22	1.141E-23	0.	0.	0.	0.	0.	2.500E+03
1.327E-16	6.267E-08	2.492E-01	2.117E-16	5.985E-21	1.116E-22	0.	0.	0.	0.	0.	2.600E+03
6.107E-16	1.429E-07	2.489E-01	7.919E-16	4.277E-20	9.208E-22	0.	0.	0.	0.	0.	2.700E+03
2.516E-15	3.073E-07	2.484E-01	2.700E-15	2.660E-19	6.525E-21	0.	0.	0.	0.	0.	2.800E+03
9.382E-15	6.268E-07	2.476E-01	8.71CE-15	1.461E-18	4.034E-20	0.	0.	0.	0.	0.	2.900E+03
3.197E-14	1.219E-06	2.473E-01	2.464E-14	7.174E-18	2.205E-19	0.	0.	0.	0.	0.	3.000E+03
1.004E-13	2.271E-06	2.460E-01	6.705E-14	3.183E-17	1.078E-18	0.	0.	0.	0.	0.	3.100E+03
9.295E-13	4.067E-06	2.467E-01	1.717E-13	1.209E-16	4.750E-18	0.	0.	0.	0.	0.	3.200E+03
7.960E-13	7.028E-06	2.452E-01	4.155E-13	4.802E-16	1.916E-17	0.	0.	0.	0.	0.	3.300E+03
2.035E-12	1.175E-05	2.414E-01	9.557E-13	1.658E-15	7.098E-17	0.	0.	0.	0.	0.	3.400E+03
4.908E-12	1.940E-05	2.393E-01	2.098E-12	5.342E-15	2.430E-16	0.	0.	0.	0.	0.	3.500E+03
1.122E-11	3.012E-05	2.308E-01	4.612E-12	1.615E-14	7.749E-16	0.	0.	0.	0.	0.	3.600E+03
2.441E-11	4.635E-05	2.339E-01	8.919E-12	4.607E-14	2.313E-15	0.	0.	0.	0.	0.	3.700E+03
5.070E-11	6.967E-05	2.308E-01	1.735E-11	1.265E-13	6.497E-15	0.	0.	0.	0.	0.	3.800E+03
1.338E-10	1.024E-04	2.272E-01	3.279E-11	3.204E-13	1.725E-14	0.	0.	0.	0.	0.	3.900E+03
1.924E-10	1.476E-04	2.234E-01	5.934E-11	7.074E-12	4.344E-14	0.	0.	0.	0.	0.	4.000E+03
3.530E-10	2.088E-04	2.192E-01	1.065E-10	1.856E-12	1.042E-13	0.	0.	0.	0.	0.	4.100E+03
6.267E-10	2.901E-04	2.144E-01	1.842E-10	4.205E-12	2.307E-13	0.	0.	0.	0.	0.	4.200E+03
1.076E-09	3.966E-04	2.102E-01	3.110E-10	9.191E-12	5.243E-13	0.	0.	0.	0.	0.	4.300E+03
1.770E-09	5.361E-04	2.054E-01	5.134E-10	1.943E-11	1.106E-12	0.	0.	0.	0.	0.	4.400E+03
2.866E-09	7.092E-04	2.005E-01	8.299E-10	3.980E-11	2.252E-12	0.	0.	0.	0.	0.	4.500E+03
4.482E-09	9.259E-04	1.956E-01	3.131E-09	7.922E-11	4.615E-12	0.	0.	0.	0.	0.	4.600E+03
6.823E-09	1.204E-03	1.909E-01	2.050E-09	1.533E-10	8.401E-12	0.	0.	0.	0.	0.	4.700E+03
1.012E-08	1.551E-03	1.860E-01	2.143E-09	2.900E-10	1.549E-11	0.	0.	0.	0.	0.	4.800E+03
1.467E-08	1.954E-03	1.613E-01	4.745E-09	5.353E-10	2.792E-11	0.	0.	0.	0.	0.	4.900E+03
2.377E-08	2.435E-03	1.764E-01	7.064E-09	9.665E-10	4.880E-11	0.	0.	0.	0.	0.	5.000E+03
3.923E-08	3.765E-03	1.686E-01	1.507E-08	2.966E-09	1.388E-10	0.	0.	0.	0.	0.	5.200E+03
6.849E-08	5.604E-03	1.612E-01	3.070E-08	8.452E-09	3.621E-10	0.	0.	0.	0.	0.	5.400E+03
1.136E-07	8.114E-03	1.547E-01	5.499E-08	2.253E-08	8.763E-10	0.	0.	0.	0.	0.	5.600E+03
1.770E-07	1.196E-02	7.488E-01	1.127E-07	5.650E-08	1.983E-09	0.	0.	0.	0.	0.	5.800E+03
2.660E-07	1.541E-02	1.432E-01	2.037E-07	1.338E-07	4.227E-09	7.315E-26	0.	0.	0.	0.	0.
3.878E-07	2.115E-02	1.376E-01	3.545E-07	3.004E-07	6.540E-09	6.999E-25	0.	0.	0.	0.	0.
5.440E-07	2.624E-02	1.319E-01	5.961E-07	6.415E-07	1.643E-08	5.832E-24	0.	0.	0.	0.	0.
7.420E-07	3.601E-02	1.255E-01	9.653E-07	1.303E-06	3.021E-08	4.272E-23	0.	0.	0.	0.	0.
9.909E-07	4.655E-02	1.193E-01	1.508E-06	2.542E-06	5.327E-08	2.779E-22	0.	0.	0.	0.	0.
1.295E-06	5.807E-02	1.117E-01	2.272E-06	4.740E-06	9.333E-05	1.618E-21	0.	0.	0.	0.	0.
1.663E-06	7.130E-02	1.033E-01	3.332E-06	8.483E-06	1.476E-07	8.499E-21	0.	0.	0.	0.	0.
2.100E-06	8.654E-02	9.495E-02	4.632E-06	1.461E-05	2.329E-07	4.945E-20	0.	0.	0.	0.	0.
2.611E-06	1.108E-01	6.579E-02	6.271E-06	2.423E-05	3.554E-07	1.760E-19	0.	0.	0.	0.	0.
3.214E-06	1.164E-01	7.034E-02	8.197E-06	3.880E-05	5.253E-07	7.038E-19	0.	0.	0.	0.	0.
3.903E-06	1.331E-01	6.645E-02	1.035E-05	6.005E-05	7.524E-07	2.600E-18	0.	0.	0.	0.	0.
4.609E-06	1.490E-01	5.758E-02	1.265E-05	9.002E-05	1.048E-06	8.917E-18	0.	0.	0.	0.	0.
5.540E-06	1.661E-01	4.881E-02	1.497E-05	1.309E-04	1.418E-06	2.855E-17	0.	0.	0.	0.	0.
6.589E-06	1.740E-01	4.074E-02	1.719E-05	1.853E-04	1.470E-06	8.573E-17	0.	0.	0.	0.	0.
7.656E-06	1.847E-01	3.155E-02	1.942E-05	2.554E-04	2.408E-06	2.427E-16	0.	0.	0.	0.	0.
8.933E-06	2.111E-01	2.731E-02	2.699E-05	3.464E-04	3.032E-06	6.507E-16	0.	0.	0.	0.	0.
1.030E-05	2.479E-01	2.203E-02	2.245E-05	4.545E-04	2.742E-06	1.655E-15	0.	0.	0.	0.	0.
1.177E-05	2.175E-01	1.767E-02	2.355E-05	5.880E-04	4.532E-06	4.342E-15	0.	0.	0.	0.	0.
1.342E-05	2.255E-01	1.404E-02	2.444E-05	7.492E-04	5.419E-06	9.446E-15	0.	0.	0.	0.	0.
1.516E-05	1.282E-01	1.122E-02	2.503E-05	9.448E-04	6.383E-06	2.123E-14	0.	0.	0.	0.	0.
1.770E-05	2.311E-01	9.936E-03	2.535E-05	1.166E-03	7.429E-06	4.607E-14	0.	0.	0.	0.	0.
2.850E-05	2.392E-01	2.965E-03	2.537E-05	2.034E-03	1.383E-05	1.421E-12	0.	0.	0.	0.	0.
4.263E-05	2.370E-01	1.046E-03	2.312E-05	6.207E-03	6.207E-05	2.452E-11	0.	0.	0.	0.	0.
5.807E-05	2.291E-01	4.356E-04	2.057E-05	1.515E-02	3.067E-05	2.734E-10	0.	0.	0.	0.	0.
7.270E-05	2.163E-01	1.870E-04	1.764E-05	1.926E-02	3.809E-05	2.168E-09	2.590E-23	0.	0.	0.	0.
8.811E-05	1.498E-01	6.349E-05	1.462E-05	2.955E-02	4.695E-05	1.308E-08	1.645E-21	0.	0.	0.	0.
9.060E-05	1.773E-01	3.792E-05	1.152E-05	4.230E-02	4.768E-05	6.313E-08	6.561E-26	0.	0.	0.	0.
9.342E-05	1.524E-01	1.704E-05	8.613E-06	5.595E-02	4.642E-05	2.532E-07	1.723E-18	0.	0.	0.	0.
1.717E-05	2.311E-01	9.936E-03	2.535E-05	1.166E-03	6.877E-06	1.717E-04	1.462E-11	0.	0.	0.	0.
1.828E-05	2.580E-02	4.132L-08	3.472E-07	1.177E-01	6.877E-06	1.717E-04	1.462E-11	0.	0.	0.	0.
1.119E-05	1.931E-02	1.003E-08	2.101E-07	1.197E-01	4.725E-06	3.295E-04	7.630E-11	0.	0.	0.	0.
8.339E-05	1.317E-01	3.259E-06	4.080E-06	8.321E-02	3.475E-05	2.624E-06	4.612E-16	0.	0.	0.	0.
5.936E-05	7.928E-07	1.368E-06	2.607E-06	9.445E-02	2.714E-05	7.793E-06	5.195E-15	0.	0.	0.	0.
4.540E-05	6.047E-07	5.668E-07	1.608E-06	1.033E-01	2.011E-05	1.744E-05	4.796E-14	0.	0.	0.	0.
3.342E-05	4.551E-07	2.334E-07	9.696E-07	1.099E-01	1.634E-05	3.987E-05	3.729E-13	0.	0.	0.	0.
2.435E-05	3.409E-07	9.734E-08	5.706E-07	1.146E-01	8.984E-06	8.514E-05	2.496E-12	0.	0.	0.	0.
1.716E-05	2.580E-02	4.132E-08	3.472E-07	1.177E-01	6.877E-06	1.717E-04	1.462E-11	0.	0.	0.	0.
1.119E-05	1.931E-02	1.003E-08	2.101E-07	1.197E-01	4.725E-06	3.295E-04	7.630E-11	0.	0.	0.	0.
8.339E-05	1.442E-02	6.121E-09	2.290E-07	1.209E-01	3.263E-06	6.046E-04	3.443E-06	0.	0.	0.	0.
5.805E-05	1.147E-02	3.703E-09	8.046E-08	1.214E-01	2.273E-06	1.065E-03	1.495E-09	0.	0.	0.	0

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	5.045E-01	1.069E-23	3.559E-17	1.281E-09	4.461E-25	1.594E-02	1.421E-09	1.258E-06	3.557E-01
3.600E+04	5.093E-01	3.969E-24	1.649E-17	7.639E-10	1.489E-25	1.409E-02	9.133E-10	9.701E-07	3.540E-01
3.700E+04	5.142E-01	1.505E-24	7.743E-18	4.559E-10	4.995E-26	1.255E-02	5.976E-10	7.987E-07	3.518E-01
3.800E+04	5.190E-01	5.818E-25	3.663E-18	2.720E-10	1.680E-26	1.124E-02	3.976E-10	6.463E-07	3.495E-01
3.900E+04	5.237E-01	2.289E-25	1.750E-18	1.622E-10	5.666E-27	1.013E-02	2.691E-10	5.239E-07	3.471E-01
4.000E+04	5.281E-01	9.164E-26	8.433E-19	9.681E-11	2.177E-27	9.177E-03	1.848E-10	4.293E-07	3.448E-01
4.100E+04	5.321E-01	3.733E-26	4.106E-19	5.787E-11	6.530E-28	8.353E-03	1.287E-10	3.545E-07	3.424E-01
4.200E+04	5.356E-01	1.550E-26	2.022E-19	3.671E-11	2.248E-28	7.637E-03	9.088E-11	2.949E-07	3.407E-01
4.300E+04	5.388E-01	6.558E-27	1.006E-19	2.091E-11	7.024E-29	7.011E-03	6.499E-11	2.471E-07	3.389E-01
4.400E+04	5.415E-01	2.828E-27	5.908E-20	1.268E-11	2.762E-29	6.459E-03	4.703E-11	2.084E-07	3.374E-01
4.500E+04	5.440E-01	1.244E-27	2.606E-20	7.740E-12	9.907E-30	5.971E-03	3.443E-11	1.769E-07	3.341E-01
4.600E+04	5.461E-01	5.579E-28	1.353E-20	4.761E-12	3.615E-30	5.531E-03	2.547E-11	1.511E-07	3.349E-01
4.700E+04	5.481E-01	2.550E-28	7.122E-21	2.952E-12	1.343E-30	5.149E-03	1.994E-11	1.297E-07	3.338E-01
4.800E+04	5.500E-01	1.147E-28	3.799E-21	1.84E-12	5.073E-31	4.800E-03	1.434E-11	1.119E-07	3.327E-01
4.900E+04	5.518E-01	5.622E-29	2.052E-21	1.161E-12	0.	4.488E-03	1.093E-11	9.693E-08	3.314E-01
5.000E+04	5.537E-01	2.706E-29	1.122E-21	7.357E-13	0.	6.201E-03	6.392E-12	8.434E-08	3.305E-01

P/PO = 3.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	J.	5.872E-01	1.565E-20	6.670E-35	1.610E-20	6.692E-22	3.094E-01	1.344E-18	1.154E-21
6.000E+02	0.	2.445E-01	2.941E-17	6.805E-29	2.262E-24	6.301E-18	5.666E-01	1.047E-18	3.598E-21
7.000E+02	0.	7.793E-02	4.409E-15	1.055E-24	1.259E-21	3.620E-20	6.194E-01	8.968E-19	9.441E-21
8.000E+02	0.	2.650E-02	1.604E-13	1.333E-21	1.172E-19	4.257E-19	7.301E-01	6.376E-19	2.161E-20
9.000E+02	J2	1.067E-02	2.519E-12	3.352E-19	3.750E-18	1.730E-11	7.420E-01	8.004E-19	4.224E-20
1.000E+03	0.	5.033E-03	2.226E-11	2.770E-17	5.925E-17	3.366E-10	7.462E-01	7.632E-19	7.190E-20
1.100E+03	0.	2.694E-03	1.320E-10	2.021E-15	5.638E-16	3.837E-09	7.480E-01	7.216E-19	1.096E-19
1.200E+03	0.	1.594E-03	5.785E-10	2.060E-14	3.668E-15	2.929E-08	7.488E-01	7.758E-19	1.531E-19
1.300E+03	0.	1.021E-03	2.015E-09	2.635E-13	1.811E-14	1.662E-07	7.492E-01	6.281E-19	1.997E-19
1.400E+03	0.	6.479E-04	5.865E-09	2.333E-12	7.101E-06	7.217E-07	7.495E-01	5.804E-19	2.471E-19
1.500E+03	1.638E-33	5.916E-04	1.479E-08	1.543E-11	2.331E-13	2.612E-06	7.498E-01	5.366E-19	2.930E-19
1.600E+03	3.700E-30	3.767E-04	3.232E-08	8.062E-11	6.610E-13	.0656E-08	7.497E-01	4.917E-19	3.366E-19
1.703E+03	1.638E-27	2.925E-04	6.785E-08	3.468E-10	1.661E-12	2.186E-05	7.498E-01	4.524E-19	3.766E-19
1.800E+03	1.521E-24	2.424E-05	1.280E-07	2.269E-09	3.784E-12	5.311E-05	7.498E-01	4.169E-19	4.127E-19
1.900E+03	3.597E-22	1.922E-04	2.257E-07	4.059E-09	7.896E-12	1.177E-04	7.498E-01	3.853E-19	4.455E-19
2.000E+03	4.717E-20	1.611E-04	3.762E-07	1.515E-09	1.542E-11	2.411E-04	7.497E-01	3.766E-19	9.008E-19
2.100E+03	1.545E-18	1.375E-04	5.972E-07	2.962E-08	2.824E-11	4.619E-04	7.495E-01	3.727E-19	1.414E-18
2.200E+03	1.192E-17	1.921E-04	9.089E-07	6.995E-08	4.901E-11	8.347E-04	7.492E-01	5.555E-18	9.40CE-18
2.300E+03	9.477E-17	1.046E-04	1.333E-06	1.533E-07	8.111E-11	1.434E-03	7.487E-01	3.279E-17	1.611E-17
2.400E+03	5.283E-16	9.293E-05	1.893E-06	3.145E-07	1.291E-10	2.355E-03	7.479E-01	1.703E-16	3.523E-16
2.500E+03	2.562E-15	8.331E-05	2.612E-05	6.092E-07	1.970E-10	3.719E-03	7.467E-01	7.787E-16	1.700E-15
2.600E+03	1.133E-14	7.529E-05	3.513E-06	1.212E-06	2.934E-10	5.670E-03	7.450E-01	2.173E-15	7.782E-15
2.700E+03	4.270E-14	6.849E-05	4.616E-06	1.970E-06	4.226E-09	8.380E-03	7.424E-01	1.166E-14	9.007E-14
2.800E+03	1.530E-13	6.263E-05	5.939E-06	3.324E-06	5.923E-10	1.204E-02	7.394E-01	3.911E-14	1.111E-13
2.900E+03	4.801E-13	5.750E-05	7.496E-06	5.602E-06	8.101E-10	1.686E-02	7.352E-01	2.127E-13	3.664E-13
3.000E+03	1.455E-12	5.294E-05	9.207E-06	6.489E-06	1.020E-09	2.308E-02	7.298E-01	3.455E-13	1.117E-12
3.100E+03	4.063E-12	4.883E-05	1.132E-05	1.293E-05	1.417E-09	3.092E-02	7.229E-01	2.040E-13	3.172E-12
3.200E+03	1.065E-11	4.506E-05	1.357E-05	1.916E-05	1.810E-09	4.063E-02	7.144E-01	2.322E-12	8.466E-12
3.300E+03	2.633E-11	4.157E-05	1.603E-05	2.765E-05	2.284E-09	5.244E-02	7.061F-01	5.514E-12	2.119F-11
3.400E+03	6.174E-11	3.822E-05	1.866E-05	3.895E-05	2.820E-09	6.655E-02	6.917E-01	1.242E-11	5.03 E-11
3.500E+03	1.379E-10	3.517E-05	2.142E-05	5.363E-05	3.421E-09	8.314E-02	6.772E-01	2.667E-11	1.140E-10
3.600E+03	2.945E-10	3.220E-05	2.425E-05	7.231E-05	4.079E-09	1.023E-01	6.604E-01	9.474E-11	2.455E-10
3.700E+03	6.035E-10	2.935E-05	2.708E-06	9.558E-06	4.782E-09	2.308E-01	7.298E-01	3.455E-10	1.111E-10
3.800E+03	1.190E-09	2.661E-05	2.985E-05	1.240E-04	5.516E-09	4.489E-01	6.196E-01	2.039E-10	1.019E-09
3.900E+03	2.264E-09	2.349E-05	3.247E-05	1.580E-04	6.261E-09	1.761E-01	5.957E-01	3.721E-10	1.960E-09
4.000E+03	4.168E-09	2.147E-05	3.487E-05	1.979E-04	7.695E-09	2.059E-01	5.697E-01	5.559E-10	3.644E-09
4.100E+03	7.439E-09	1.907E-05	3.697E-05	2.441E-05	7.696E-09	2.379E-01	5.416E-01	1.119E-09	6.565E-09
4.200E+03	1.290E-08	1.681E-05	3.872E-05	2.966E-05	8.340E-09	2.720E-01	5.117E-01	1.851E-09	1.149E-08
4.300E+03	2.177E-08	1.469E-05	4.006E-05	3.547E-04	8.907E-09	3.076E-01	4.805E-01	2.974E-09	1.955E-08
4.400E+03	3.582E-08	1.273E-05	4.092E-05	4.180E-04	9.370E-09	3.443E-01	4.83E-01	4.648E-09	3.242E-08
4.500E+03	5.757E-08	1.093E-05	4.133E-05	4.879E-04	9.739E-09	3.817E-01	4.155E-01	7.075E-09	2.299E-08
4.600E+03	9.042E-08	9.298E-06	4.129E-06	5.610E-04	9.983E-09	4.192E-01	3.825E-01	1.050E-08	6.304E-08
4.700E+03	1.391E-07	7.044E-06	4.078E-05	6.389E-04	1.011E-08	4.564E-01	3.499E-01	1.523F-08	1.286F-07
4.800E+03	2.099E-07	5.562E-06	3.989E-05	7.191E-04	1.012E-08	4.926E-01	3.810E-01	2.159E-08	1.931E-08
4.900E+03	3.108E-07	5.447E-06	3.864E-06	8.011E-04	1.002E-08	5.274E-01	2.874E-01	2.998E-08	2.904E-07
5.000E+03	4.523E-07	4.489E-06	3.710E-05	8.836E-04	9.825E-09	5.605E-01	5.952E-01	4.079E-08	4.266E-07
5.200E+03	9.130E-07	2.993E-06	3.342E-05	1.051E-03	9.212E-09	6.202E-01	2.054E-01	7.154E-08	6.637E-07
5.400E+03	1.790E-06	1.959E-06	2.935E-05	1.214E-03	8.403E-09	6.703E-01	1.608E-01	1.176E-07	1.655F-06
5.600E+03	3.151E-06	1.268E-06	2.530E-05	1.370E-03	7.509E-09	7.106E-01	1.246E-01	1.830E-07	3.008E-06
5.800E+03	5.670E-06	8.171E-07	2.152E-05	1.516E-03	6.610E-09	7.417E-01	4.601E-02	2.716E-07	9.219E-06
6.000E+03	1.922E-05	3.274E-07	1.815E-05	1.651E-03	5.755E-09	7.651E-01	7.391E-02	3.076E-07	6.693E-06
6.200E+03	1.592E-05	3.027E-07	1.522E-05	1.774E-03	4.969E-09	7.820E-01	5.702E-02	5.350F-07	1.396E-05
6.400E+03	2.304E-05	2.237E-07	1.273E-05	1.883E-03	4.260E-09	7.937E-01	4.420E-02	7.177F-07	2.171E-05
6.600E+03	3.513E-05	1.475E-07	1.062E-05	1.977E-03	3.622E-09	8.013E-01	3.497E-02	9.393E-07	3.278E-05
6.800E+03	5.221E-05	9.811E-06	6.841E-06	2.054E-03	3.067E-09	8.055E-01	2.707E-02	1.203E-06	6.820E-05
7.000E+03	7.600E-05	6.548E-08	7.349E-06	2.112E-03	2.572E-09	8.071E-01	2.142E-02	1.512E-06	6.920E-05
7.200E+03	1.065E-04	6.449E-08	6.049E-06	2.149E-03	2.134E-09	8.055E-01	1.708E-02		

TABLE II.- Continued

N^+	N	N_2	N_2+	N_+	N^-	N_{++}	N_{++}	N_{+++}	I
6.071E-07	1.927E-03	1.773E-11	2.374E-09	9.518E-02	1.717E-07	2.677E-02	7.998E-06	7.394E-13	3.500E+04
4.944E-07	1.530E-03	9.167E-12	1.469E-09	8.702E-02	1.252E-07	3.412E-02	1.705E-05	3.348E-12	3.600E+04
4.090E-07	1.203E-03	4.676E-12	8.857E-10	7.820E-02	9.070E-08	4.202E-02	3.422E-05	1.371E-11	3.700E+04
3.435E-07	9.371E-04	2.351E-12	5.273E-10	6.912E-02	6.526E-08	5.011E-02	6.496E-05	5.117E-11	3.800E+04
2.923E-07	7.228E-04	1.166E-12	3.064E-10	6.019E-02	4.663E-08	5.804E-02	1.172E-04	1.755E-10	3.900E+04
2.517E-07	5.529E-04	5.720E-13	1.750E-10	5.176E-02	3.311E-08	6.548E-02	2.018E-04	5.573E-10	4.000E+04
2.192E-07	4.202E-04	2.763E-13	9.868E-11	4.401E-02	2.340E-08	7.222E-02	3.337E-04	1.651E-09	4.100E+04
1.927E-07	3.177E-04	1.348E-13	5.451E-11	3.712E-02	1.648E-08	7.812E-02	5.319E-04	4.593E-09	4.200E+04
1.709E-07	2.396E-04	6.519E-14	3.066E-11	3.113E-02	1.160E-08	8.312E-02	8.208E-04	1.207E-08	4.300E+04
1.528E-07	1.803E-04	1.700E-11	2.600E-02	8.155E-04	8.721E-02	1.231E-03	3.014E-08	4.400E+04	
1.375E-07	1.358E-04	1.538E-14	9.435E-12	2.166E-02	5.745E-09	9.042E-02	1.798E-03	7.176E-08	4.500E+04
1.246E-07	1.023E-04	7.538E-15	5.251E-12	1.802E-02	4.061E-09	9.278E-02	2.565E-03	1.636E-07	4.600E+04
1.134E-07	7.717E-05	3.720E-15	2.934E-12	1.498E-02	2.878E-09	9.433E-02	3.581E-03	3.579E-07	4.700E+04
1.038E-07	5.833E-05	1.849E-15	1.656E-12	1.245E-02	2.046E-09	9.509E-02	4.899E-03	7.538E-07	4.800E+04
9.547E-08	4.415E-05	9.267E-16	9.275E-13	1.035E-02	1.455E-09	9.507E-02	6.571E-03	1.531E-06	4.900E+04
8.806E-08	3.347E-05	4.675E-16	5.243E-13	8.595E-03	1.044E-09	9.430E-02	8.649E-03	3.003E-06	5.000E+04

 $P/P_0 = 3.40E+01$

N^+	N	N_2	N_2+	N_+	N^-	N_{++}	N_{++}	N_{+++}	I
0.	0.	1.032E-01	5.422E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.889E-01	9.017E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.305E-01	1.173E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.534E-29	0.	0.	0.	0.	0.	0.	0.	8.000E+02
0.	4.371E-26	2.473E-01	1.837E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.944E-23	2.487E-01	2.074E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.671E-21	2.493E-01	2.274E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.612E-19	2.496E-01	2.432E-20	9.735E-34	0.	0.	0.	0.	1.200E+03
0.	1.433E-17	2.497E-01	2.646E-20	1.803E-32	0.	0.	0.	0.	1.300E+03
0.	3.370E-16	2.498E-01	2.473E-21	2.171E-31	0.	0.	0.	0.	1.400E+03
0.	5.213E-15	2.499E-01	2.444E-20	1.849E-30	0.	0.	0.	0.	1.500E+03
0.	5.736E-14	2.495E-01	2.380E-20	1.193E-29	0.	0.	0.	0.	1.600E+03
2.666E-30	4.766E-13	2.499E-01	2.303E-20	6.055E-29	0.	0.	0.	0.	1.700E+03
1.884E-27	3.134E-12	2.459E-01	2.214E-20	2.582E-28	0.	0.	0.	0.	1.800E+03
0.646E-25	1.592E-11	2.499E-01	2.126E-20	9.357E-28	0.	0.	0.	0.	1.900E+03
1.254E-22	7.723E-11	2.499E-01	2.147E-20	3.115E-27	9.350E-21	0.	0.	0.	2.000E+03
5.664E-21	3.535E-10	2.499E-01	5.501E-20	2.352E-26	1.115E-28	0.	0.	0.	2.100E+03
7.006E-20	1.966E-09	2.499E-01	3.331E-19	3.025E-25	3.362E-27	0.	0.	0.	2.200E+03
5.938E-19	3.494E-09	2.498E-01	2.022E-18	5.672E-24	6.464E-26	0.	0.	0.	2.300E+03
4.211E-18	7.202E-09	2.497E-01	1.073E-17	6.056E-23	9.529E-25	0.	0.	0.	2.400E+03
2.521E-17	2.464E-08	2.495E-01	5.020E-17	6.118E-22	1.129E-23	0.	0.	0.	2.500E+03
1.313E-16	6.300E-08	2.493E-01	2.076E-16	5.654E-21	1.104E-22	0.	0.	0.	2.600E+03
6.042E-16	1.387E-07	2.494E-01	7.768E-16	4.070E-20	9.108E-22	0.	0.	0.	2.700E+03
2.439E-15	2.931E-07	2.485E-01	2.649E-15	2.532E-19	6.453E-21	0.	0.	0.	2.800E+03
9.278E-15	6.301E-07	2.479E-01	8.313E-15	1.393E-18	3.989E-20	0.	0.	0.	2.900E+03
3.161E-14	1.133E-06	2.471E-01	2.642E-14	6.831E-18	2.18CE-19	0.	0.	0.	3.000E+03
6.926E-14	2.230E-06	2.461E-01	6.588E-14	3.032E-17	1.065E-18	0.	0.	0.	3.100E+03
2.831E-13	3.947E-06	2.464E-01	1.686E-13	1.228E-16	4.704E-18	0.	0.	0.	3.200E+03
7.674E-13	6.821E-06	2.434E-01	4.024E-13	4.575E-16	1.894E-17	0.	0.	0.	3.300E+03
2.013E-12	1.141E-05	2.416E-01	9.391E-13	1.580E-15	9.012E-17	0.	0.	0.	3.400E+03
4.859E-12	1.832E-05	3.396E-01	2.062E-12	5.091E-15	2.403E-16	0.	0.	0.	3.500E+03
1.111E-11	2.924E-05	2.371E-01	4.337E-12	1.533E-14	7.065E-16	0.	0.	0.	3.600E+03
2.414E-11	4.501E-05	2.344E-01	8.770E-12	4.390E-14	2.284E-15	0.	0.	0.	3.700E+03
5.027E-11	7.666E-05	2.313E-01	1.710E-11	1.187E-17	6.430E-15	0.	0.	0.	3.800E+03
1.000E-10	4.935E-05	2.278E-01	3.226E-11	3.053E-13	1.761E-14	0.	0.	0.	3.900E+03
1.911E-10	1.434E-05	2.241E-01	5.896E-11	7.505E-13	4.302E-14	0.	0.	0.	4.000E+03
3.516E-10	2.324E-04	2.200E-01	1.048E-10	1.768E-12	1.012E-13	0.	0.	0.	4.100E+03
6.236E-10	2.820E-04	2.157E-01	1.813E-10	4.007E-12	2.367E-13	0.	0.	0.	4.200E+03
1.370E-09	3.656E-04	2.111E-01	3.061E-10	8.757E-12	5.202E-13	0.	0.	0.	4.300E+03
1.778E-09	5.194E-04	2.056E-01	5.052E-10	1.851E-11	1.394E-12	0.	0.	0.	4.400E+03
2.865E-09	8.398E-04	2.316E-01	8.166E-10	3.791E-11	2.235E-12	0.	0.	0.	4.500E+03
6.448E-09	9.344E-04	1.967E-01	1.295E-09	7.543E-11	4.393E-12	0.	0.	0.	4.600E+03
6.843E-09	1.171E-03	1.919E-01	2.017E-09	1.461E-10	8.356E-12	0.	0.	0.	4.700E+03
1.317E-08	1.530E-03	1.871E-01	3.091E-09	2.757E-10	1.562E-11	0.	0.	0.	4.800E+03
1.476E-08	1.941E-03	1.625E-01	4.665E-09	5.049E-10	2.779E-11	0.	0.	0.	4.900E+03
2.055E-08	2.334E-03	1.740E-01	6.442E-09	9.186E-10	4.664E-11	0.	0.	0.	5.000E+03
3.970E-08	3.666E-03	1.698E-01	9.437E-09	2.415E-09	1.384E-10	0.	0.	0.	5.100E+03
6.496E-08	5.453E-03	1.622E-01	3.010E-09	8.015E-09	3.615E-10	0.	0.	0.	5.200E+03
1.159E-07	7.844E-03	1.556E-01	5.876E-08	2.135E-08	6.753E-10	0.	0.	0.	5.300E+03
1.822E-07	1.115E-02	1.495E-01	1.102E-07	5.347E-08	1.982E-09	0.	0.	0.	5.400E+03
2.742E-07	1.531E-02	1.434E-01	1.491E-07	1.266E-07	4.228E-09	6.728E-26	0.	0.	6.000E+03
3.974E-07	2.077E-02	1.346E-01	3.468E-07	2.841E-07	8.546E-09	6.431E-25	0.	0.	6.200E+03
5.582E-07	2.747E-02	1.327E-01	5.824E-07	6.046E-07	1.655E-08	5.255E-24	0.	0.	6.400E+03
7.830E-07	3.563E-02	1.266E-01	9.437E-07	1.235E-06	3.026E-08	4.924E-23	0.	0.	6.600E+03
1.019E-06	4.932E-02	1.144E-01	1.475E-06	2.640E-06	5.347E-08	2.553E-22	0.	0.	6.800E+03
1.332E-06	5.658E-02	1.127E-01	2.226E-06	4.486E-06	9.063E-08	1.487E-21	0.	0.	7.000E+03
1.711E-06	6.933E-02	1.057E-01	3.241E-06	8.037E-06	1.483E-07	7.809E-21	0.	0.	7.200E+03
2.163E-06	8.343E-02	6.618E-02	4.557E-06	1.385E-05	2.142E-07	3.724E-20	0.	0.	7.400E+03
2.696E-06	9.804E-02	6.714E-02	6.145E-06	2.301E-05	3.579E-07	1.623E-19	0.	0.	7.600E+03
3.311E-06	1.144E-01	7.770E-02	8.110E-06	3.689E-05	5.297E-07	6.499E-19	0.	0.	7.800E+03
4.022E-06	1.335E-01	8.834E-02	1.028E-05	5.719E-05	7.005E-07	2.404E-18	0.	0.	8.000E+03
4.833E-06	1.464E-01	9.908E-02	1.260E-05	8.589E-05	1.060E-06	8.262E-18	0.	0.	8.200E+03
5.752E-06	1.616E-01	5.027E-02	1.497E-05	1.252E-05	1.438E-06	2.650E-17	0.	0.	8.400E+03
6.703E-06	1.759E-01	4.213E-02	1.726E-05	1.774E-04	1.900E-06	7.973E-17	0.	0.	8.600E+03
7.934E-06	1.881E-01	3.483E-02	1.937E-05	2.451E-04	2.261E-06	0.	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	12H2	H	H2	H2+	H+
9.000E+03	1.368E-03	1.675E-09	9.961E-07	1.596E-03	2.426E-10	7.650E-01	3.150E-03	7.618E-06	1.029E-03
9.200E+03	1.710E-03	1.197E-09	8.081E-07	1.484E-03	1.818E-10	7.610E-01	2.713E-03	8.627E-06	1.256E-03
9.400E+03	2.110E-03	8.616E-10	6.566E-07	1.376E-03	1.359E-10	7.575E-01	2.393E-03	9.734E-06	1.534E-03
9.600E+03	2.600E-03	6.252E-10	5.348E-07	1.268E-03	1.014E-10	7.544E-01	2.054E-03	1.095E-05	1.840E-03
9.800E+03	3.164E-03	4.574E-10	4.368E-07	1.149E-03	7.502E-11	7.517E-01	1.603E-03	1.227E-05	2.241E-03
1.000E+04	3.825E-03	3.374E-10	3.580E-07	1.076E-03	5.680E-11	7.492E-01	1.592E-03	1.370E-05	2.483E-03
1.100E+04	6.903E-03	8.297E-11	1.405E-07	7.151E-04	1.430E-11	7.383E-01	9.104E-04	2.264E-05	6.045E-03
1.200E+04	1.803E-02	2.411E-11	6.047E-08	4.885E-04	4.079E-12	7.244E-01	5.613E-04	3.444E-05	1.202E-02
1.300E+04	3.273E-02	7.867E-12	2.779E-08	3.373E-04	1.248E-12	7.036E-01	3.614E-04	4.054E-05	2.157E-02
1.400E+04	5.420E-02	2.742E-12	1.322E-08	2.346E-04	4.274E-13	6.733E-01	2.374E-04	6.367E-05	3.559E-02
1.500E+04	8.334E-02	9.775E-13	6.315E-09	1.610E-04	1.444E-13	6.325E-01	1.561E-04	7.797E-05	5.444E-02
1.600E+04	1.198E-01	3.436E-13	2.956E-09	1.075E-04	6.777E-14	5.810E-01	1.011E-04	8.921E-05	7.083E-02
1.700E+04	1.623E-01	1.157E-13	1.328E-09	6.896E-05	1.502E-14	5.204E-01	6.374E-05	9.579E-05	1.076E-01
1.800E+04	2.085E-01	3.649E-14	5.646E-10	2.116E-05	4.397E-15	4.357E-01	9.334E-05	1.397E-01	
1.900E+04	2.555E-01	1.067E-14	2.254E-10	2.448E-05	1.108E-15	3.046E-01	2.254E-05	8.930E-05	1.734E-01
2.000E+04	2.999E-01	2.889E-15	4.642E-11	1.354E-05	2.968E-16	1.838E-01	1.259E-05	7.664E-05	2.066E-01
2.100E+04	3.397E-01	7.322E-16	3.015E-11	7.193E-06	6.952E-17	2.577E-01	6.759E-06	6.557E-05	2.374E-01
2.200E+04	3.736E-01	1.770E-16	1.035E-11	3.711E-06	1.560E-17	2.053E-01	3.523E-06	5.222E-05	2.644E-01
2.300E+04	4.012E-01	4.176E-17	3.487E-12	1.889E-06	3.437E-18	1.620E-01	1.803E-06	4.022E-05	2.871E-01
2.400E+04	4.229E-01	9.462E-18	1.176E-12	9.533E-07	7.622E-19	1.275E-01	9.159E-07	3.029E-05	3.053E-01
2.500E+04	4.396E-01	2.364E-18	6.006E-13	4.888E-07	4.734E-19	1.006E-01	4.671E-07	2.244E-05	3.196E-01
2.600E+04	4.525E-01	5.873E-19	1.403E-13	2.520E-07	4.102E-20	6.799E-02	2.116E-07	1.456E-05	3.306E-01
2.700E+04	4.623E-01	1.524E-19	5.073E-14	1.330E-07	1.012E-20	6.423E-02	1.267E-07	1.222E-05	3.390E-01
2.800E+04	4.700E-01	4.151E-20	1.902E-14	7.174E-08	5.658E-21	5.218E-02	6.802E-08	9.061E-08	3.453E-01
2.900E+04	4.761E-01	1.189E-20	7.400E-15	3.956E-08	7.302E-22	4.293E-02	3.740E-08	6.766E-08	3.500E-01
3.000E+04	4.813E-01	3.581E-21	2.984E-15	2.224E-08	2.104E-22	3.575E-02	2.107E-08	5.095E-08	3.533E-01
3.100E+04	4.856E-01	1.130E-21	1.244E-15	1.276E-08	6.328E-23	3.014E-02	1.216E-08	3.073E-08	3.555E-01
3.200E+04	4.901E-01	3.720E-22	5.366E-16	7.416E-09	1.974E-23	3.270E-02	7.192E-09	2.971E-08	3.567E-01
3.300E+04	4.944E-01	1.273E-22	2.356E-16	4.368E-09	6.363E-24	2.214E-02	4.350E-09	2.300E-08	3.571E-01
3.400E+04	4.987E-01	4.504E-23	1.061E-16	2.595E-09	2.082E-24	1.926E-02	2.688E-09	1.797E-08	3.567E-01
3.500E+04	5.033E-01	1.646E-23	4.855E-17	1.5550E-09	6.941E-25	1.689E-02	1.696E-09	1.416E-08	3.556E-01
3.600E+04	5.081E-01	6.119E-24	2.646E-17	9.283E-10	2.336E-25	1.494E-02	1.091E-09	1.124E-08	3.540E-01
3.700E+04	5.130E-01	2.332E-24	1.064E-17	5.564E-10	7.906E-26	1.330E-02	7.141E-10	9.003E-07	3.520E-01
3.800E+04	5.178E-01	9.060E-25	5.059E-18	3.335E-10	2.686E-26	1.192E-02	4.756E-10	7.265E-07	3.497E-01
3.900E+04	5.226E-01	3.542E-25	2.429E-18	1.988E-10	9.134E-27	1.075E-02	3.211E-10	5.909E-07	3.473E-01
4.000E+04	5.270E-01	1.441E-25	1.176E-18	1.198E-10	3.120E-27	9.737E-03	2.211E-10	4.844E-07	3.450E-01
4.100E+04	5.310E-01	5.899E-26	5.751E-19	7.188E-11	1.072E-21	8.867E-03	1.540E-10	4.000E-07	3.429E-01
4.200E+04	5.347E-01	2.458E-26	2.843E-19	4.328E-11	3.714E-23	8.106E-03	1.088E-10	3.328E-07	3.409E-01
4.300E+04	5.379E-01	1.044E-26	1.422E-19	2.617E-11	7.442E-23	7.442E-03	7.780E-11	2.789E-07	3.391E-01
4.400E+04	5.407E-01	4.516E-27	7.205E-20	1.591E-11	4.621E-29	6.857E-03	5.632E-11	2.352E-07	3.376E-01
4.500E+04	5.432E-01	1.992E-27	3.699E-20	9.739E-12	1.667E-29	6.339E-03	4.123E-11	1.997E-07	3.362E-01
4.600E+04	5.455E-01	8.956E-20	1.925E-20	6.306E-12	6.161E-30	5.078E-03	3.051E-11	1.705E-07	3.350E-01
4.700E+04	5.475E-01	4.103E-28	1.016E-20	3.732E-12	2.28CE-30	5.667E-03	2.280E-11	1.463E-07	3.339E-01
4.800E+04	5.494E-01	1.914E-28	5.431E-21	2.337E-12	8.654E-31	5.097E-03	1.721E-11	1.262E-07	3.324E-01
4.900E+04	5.513E-01	9.087E-29	2.940E-21	1.474E-12	3.338E-31	4.763E-03	1.31CE-11	1.094E-07	3.310E-01
5.000E+04	5.551E-01	4.383E-29	1.611E-21	9.361E-13	1.308E-31	4.461E-03	1.006E-11	9.521E-08	3.307E-01

P/P0 = 3.60E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.479E-01	1.560E-20	6.530E-35	6.633E-20	3.031E-01	1.351E-10	1.139E-21	
6.000E+02	0.	2.555E-01	2.975E-17	6.728E-29	2.361E-24	5.799E-18	5.602E-01	1.054E-10	3.539E-21
7.000E+02	0.	0.162E-02	4.508E-15	1.051E-20	1.321E-21	3.511E-19	6.886E-01	9.003E-19	9.230E-21
8.000E+02	0.	2.797E-02	1.654E-13	1.331E-21	1.238E-19	4.133E-13	7.290E-01	8.394E-19	2.106E-20
9.000E+02	0.	1.129E-02	2.589E-12	3.350E-19	3.974E-10	1.681E-11	7.415E-01	8.020E-19	4.114E-20
1.000E+03	0.	5.326E-03	2.289E-11	2.770E-17	6.270E-17	10.746E-01	7.646E-01	7.653E-19	7.007E-20
1.100E+03	0.	2.852E-03	1.358E-10	1.021E-15	5.964E-16	3.728E-09	7.479E-01	7.243E-19	1.069E-19
1.200E+03	0.	1.668E-03	5.952E-10	2.070E-14	3.040E-15	2.664E-08	7.487E-01	6.793E-19	1.496E-19
1.300E+03	0.	1.081E-03	2.073E-09	2.635E-13	1.917E-14	1.595E-07	7.492E-01	6.323E-19	1.954E-19
1.400E+03	0.	7.384E-04	6.039E-09	8.062E-11	6.998E-13	7.014E-07	7.496E-01	5.852E-19	2.421E-19
1.500E+03	1.533E-33	5.310E-04	1.522E-08	1.543E-11	2.466E-13	2.539E-06	7.496E-01	5.390E-19	2.876E-19
1.600E+03	3.455E-30	3.985E-04	3.419E-08	8.062E-11	6.998E-13	7.838E-06	7.497E-01	4.973E-19	3.306E-19
1.700E+03	2.026E-27	3.077E-04	6.981E-08	3.468E-10	1.760E-12	2.124E-05	7.497E-01	4.582E-19	3.704E-19
1.800E+03	1.617E-24	2.448E-04	1.317E-07	1.269E-09	4.007E-12	5.161E-05	7.498E-01	4.227E-19	4.066E-19
1.900E+03	3.375E-22	2.035E-04	2.323E-07	4.050E-09	8.360E-12	1.144E-04	7.497E-01	3.911E-19	4.394E-19
2.000E+03	4.400E-20	1.706E-04	3.871E-07	1.151E-08	1.693E-11	2.343E-04	7.497E-01	3.813E-19	4.927E-19
2.100E+03	1.481E-18	1.453E-04	6.145E-07	2.962E-08	2.990E-11	4.489E-04	7.495E-01	5.259E-19	1.350E-18
2.200E+03	1.382E-17	1.262E-04	9.352E-07	6.995E-08	5.19CE-11	8.112E-04	7.492E-01	5.452E-18	8.966E-18
2.300E+03	9.149E-17	1.108E-04	3.372E-06	1.333E-07	6.597E-11	1.393E-03	7.487E-01	3.210E-17	5.874E-17
2.400E+03	5.086E-16	9.840E-05	1.948E-06	3.146E-07	1.367E-10	2.289E-03	7.479E-01	1.671E-16	3.359E-16
2.500E+03	2.466E-15	8.423E-05	2.689E-06	6.093E-07	2.095E-10	3.614E-03	7.466E-01	7.643E-16	1.670E-16
2.600E+03	1.061E-14	7.974E-05	3.616E-06	1.212E-06	3.108E-10	5.911E-03	7.451E-01	3.115E-15	7.424E-15
2.700E+03	4.106E-14	7.255E-05	4.752E-06	1.971E-06	4.176E-10	8.145E-03	7.428E-01	1.146E-14	2.946E-14
2.800E+03	1.446E-13	6.636E-05	6.116E-06	3.324E-06	6.275E-10	1.170E-02	7.397E-01	3.842E-14	1.006E-13
2.900E+03	6.674E-13	5.613E-05	9.595E-06	8.939E-06	1.146E-09	2.244E-02	7.309E-01	3.390E-13	1.057E-12
3.000E+03	1.399E-12	5.613E-05	9.595E-06	8.939E-06	1.146E-09	2.244E-02	7.309E-01	3.390E-13	1.057E-12
3.100E+03	3.906E-12	9.179E-05	1.166E-05	1.294E-05	1.502E-09	3.007E-02	7.233E-01	9.087E-13	3.030E-12
3.200E+03	1.023E-11	9.783E-05</td							

TABLE II.- Continued

H-	N	N2	N2*	N*	N-	N++	N+++	N+++*	T
9.210E-06	1.911E-01	2.845E-02	2.123E-05	3.308E-04	3.092E-04	6.072E-16	0.	0.	9.000E+03
1.062E-05	2.084E-01	2.309E-C2	2.277E-05	4.371E-04	3.823E-04	1.551E-15	0.	0.	9.200E+03
1.216E-05	2.160E-01	1.651E-02	2.400E-05	5.669E-04	4.664E-04	3.783E-15	C.	0.	9.400E+03
1.343E-05	2.222E-01	1.441E-02	2.493E-05	7.216E-04	5.553E-04	8.846E-15	0.	0.	9.600E+03
1.565E-05	2.271E-01	1.182E-02	2.558E-05	9.093E-04	6.548E-04	1.991E-14	0.	0.	9.800E+03
1.761E-05	2.313E-01	9.428E-C3	2.599E-05	1.126E-03	7.629E-04	4.323E-14	0.	0.	1.000E+04
2.943E-05	2.391E-01	3.146E-03	2.580E-05	2.653E-03	1.624E-05	1.337E-12	0.	0.	1.100E+04
4.401E-05	2.372E-01	1.514E-C3	2.348E-05	6.024E-03	2.256E-05	2.307E-11	0.	0.	1.200E+04
6.303E-05	2.246E-01	4.644E-04	2.128E-05	1.118E-02	3.171E-05	2.573E-10	0.	0.	1.300E+04
7.558E-05	2.172E-01	2.003E-04	1.835E-05	1.673E-02	4.033E-05	2.041E-09	2.362E-23	C.	1.400E+04
8.760E-05	2.301E-01	8.499E-05	1.522E-05	2.678E-02	4.682E-05	1.232E-08	1.521E-21	0.	1.500E+04
9.452E-05	1.788E-01	4.100E-05	1.207E-05	4.104E-02	4.985E-05	5.951E-08	5.975E-20	0.	1.600E+04
9.482E-05	1.566E-01	1.864E-C5	9.081E-06	5.473E-02	4.884E-05	2.389E-07	1.567E-18	0.	1.700E+04
8.862E-05	1.291E-01	4.325E-06	6.472L-06	6.874E-02	4.614E-05	8.213E-07	2.942E-17	0.	1.800E+04
7.741E-05	1.042E-01	3.631E-C6	4.374E-C4	8.189E-02	3.713F-02	2.479E-06	4.181E-16	0.	1.900E+04
6.356E-05	4.176E-02	1.546E-06	2.821E-06	9.325E-02	2.924E-05	6.706E-06	4.701E-15	0.	2.000E+04
4.947E-05	6.271E-02	6.478E-C7	1.754E-C6	1.023E-01	2.184E-05	1.652E-05	4.325E-14	0.	2.100E+04
3.688E-05	4.743E-02	2.6491E-02	1.266E-06	1.091F-01	1.570E-05	3.777E-05	3.358E-13	0.	2.200E+04
2.065E-05	3.568E-02	1.133E-07	6.412E-07	1.139E-01	1.100E-05	8.049E-05	2.242E-12	0.	2.300E+04
1.049E-05	2.608E-02	4.443E-08	3.660E-07	1.172E-01	7.613L-01	1.623E-04	1.311E-11	0.	2.400E+04
1.226E-05	2.040E-02	2.124E-C8	2.345E-07	1.154E-01	5.253E-06	3.113E-06	6.801E-11	0.	2.500E+04
9.336E-06	1.564E-02	9.634E-02	1.444E-37	1.207E-01	3.633E-06	5.711E-06	3.166E-10	0.	2.600E+04
6.565E-06	1.213E-02	4.808E-09	9.031E-08	1.213E-01	2.542E-06	1.005E-03	1.334E-05	0.	2.700E+04
4.677E-06	4.523E-03	2.163E-06	5.737E-04	1.213E-01	1.794E-06	1.704E-03	5.120E-05	0.	2.800E+04
3.377E-06	7.555E-03	1.072E-03	3.694E-06	1.206E-01	1.280E-06	2.786E-03	1.809E-08	0.	2.900E+04
2.476E-06	6.350E-03	5.444E-10	2.433E-08	1.192E-01	9.233E-07	4.398E-03	5.889E-08	0.	3.000E+04
1.446E-06	4.876E-03	2.622E-03	1.572E-08	1.170E-01	6.717E-07	6.709E-03	1.776E-07	0.	3.100E+04
1.401E-06	3.945E-03	1.481E-10	1.029E-08	1.136E-01	4.919E-07	9.885E-03	4.975E-07	0.	3.200E+04
1.082E-06	3.194E-03	7.425E-11	6.708E-09	1.091E-01	3.617E-07	1.406E-02	1.298E-06	0.	3.300E+04
6.517E-07	2.577E-03	4.137E-11	4.322E-09	1.036E-01	2.662E-07	1.932E-02	3.164E-06	0.	3.400E+04
6.621E-07	2.071E-03	2.176E-11	2.749E-09	9.649E-02	1.956E-07	2.560E-02	7.215E-06	6.292E-13	9.500E+04
5.556E-07	1.691E-03	1.134E-11	1.714E-11	8.855E-02	1.532E-07	3.276E-02	1.544E-05	2.860E-12	3.600E+04
4.598E-07	1.304E-03	5.633E-12	1.046E-06	7.991E-02	1.042E-07	4.351E-02	3.112E-05	1.176E-11	3.700E+04
3.662E-07	1.019E-03	2.957E-12	6.255E-10	7.094E-02	7.526E-08	4.852E-02	5.933E-05	4.400E-11	3.800E+04
3.267E-07	7.898E-04	1.479E-12	3.666E-13	6.204E-02	5.401E-08	5.642E-02	1.374E-04	1.518E-10	3.900E+04
2.842E-07	6.067E-04	7.118E-13	2.112E-10	5.355E-02	3.652E-08	6.392E-C2	1.858E-04	4.839E-10	4.000E+04
2.467E-07	4.629E-04	3.588E-13	1.200E-10	4.572E-02	2.734E-08	7.078E-02	3.083E-04	1.438E-09	4.100E+04
2.170E-07	3.131E-04	1.750E-13	6.752E-11	3.878E-02	1.933E-08	7.679E-02	4.925E-04	4.014E-09	4.200E+04
1.925E-07	2.657E-04	8.524E-14	3.177E-11	3.255E-02	1.365E-08	8.195E-02	7.629E-04	1.054E-08	4.300E+04
1.721E-07	2.307E-04	4.154E-14	2.107E-11	2.726E-02	9.632E-09	8.621E-02	1.147E-03	2.647E-08	4.400E+04
1.549E-07	1.517E-04	2.034E-14	1.176E-11	2.277E-02	6.806E-09	8.959E-02	1.679E-03	6.315E-08	4.500E+04
1.403E-07	1.144E-04	1.332E-14	6.575E-12	1.899E-02	4.819E-09	9.213E-02	2.401E-03	1.442E-07	4.600E+04
1.278E-07	8.649E-05	4.965E-15	3.690E-12	1.582E-02	3.423E-09	9.386E-02	3.358E-03	3.162E-07	4.700E+04
1.170E-07	6.551E-05	2.480E-15	2.079E-12	1.318E-02	2.438E-09	9.480E-02	4.632E-03	6.672E-07	4.800E+04
1.075E-07	4.169E-05	1.247E-15	1.176E-12	1.097E-02	1.743E-09	9.498E-02	6.184E-02	1.358E-06	4.900E+04
9.925E-Jd	3.774E-05	6.314E-16	6.674E-13	9.132E-03	1.244E-09	9.434E-02	8.157E-04	2.668E-06	5.000E+04

P/P0 = 3.60E+01

H-	N	N2	N2*	N*	N-	N++	N+++	N+++*	T
0.	0.	1.010E-01	6.457E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.067E-01	9.080E-21	0.	0.	0.	0.	0.	6.203E+02
0.	0.	2.955E-01	1.177E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.490E-29	2.430E-C1	1.499E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.247E-26	2.672E-L1	1.410E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.072E-23	2.687E-01	2.079E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.533E-21	2.693E-01	2.283E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.508E-19	2.696E-01	2.615E-20	9.481E-34	0.	0.	0.	0.	1.200E+03
0.	1.393E-17	2.647E-01	2.681E-20	1.764E-32	0.	0.	0.	0.	1.300E+03
0.	3.275E-16	2.698E-01	2.493E-20	2.127E-31	0.	0.	0.	0.	1.4E+03
0.	5.066E-15	2.694E-01	2.664E-20	1.814E-30	0.	0.	0.	0.	1.5E+03
0.	5.574E-14	2.699E-01	2.407E-20	1.170E-29	0.	0.	0.	0.	1.6E+03
0.	4.632E-13	2.699E-01	2.332E-20	5.949E-29	0.	0.	0.	0.	1.7E+03
1.787E-27	3.046E-12	2.699E-01	2.246E-20	2.554E-28	0.	0.	0.	0.	1.800E+03
6.363E-25	1.044E-11	2.699E-01	2.157E-20	9.209E-28	0.	0.	0.	0.	1.900E+03
1.233E-22	7.505E-11	2.699E-01	2.174E-20	3.064E-27	8.976E-31	0.	0.	0.	2.000E+03
5.572E-21	2.967E-10	2.699E-01	5.434E-20	2.259E-26	1.097E-28	0.	0.	0.	2.100E+03
6.937E-20	1.336E-09	2.699E-01	3.265E-19	3.648E-25	3.328E-27	0.	0.	0.	2.200E+03
5.942E-19	3.246E-09	2.699E-01	1.983E-18	5.407E-24	6.404E-26	0.	0.	0.	2.300E+03
4.172E-18	9.252E-09	2.697E-01	1.035E-17	6.537E-23	9.439E-25	0.	0.	0.	2.400E+03
2.497E-17	2.426E-08	2.695E-01	4.909E-17	6.503E-22	1.118E-23	0.	0.	0.	2.500E+03
1.330E-16	5.039E-08	2.693E-01	2.038E-16	5.432E-21	1.393E-22	0.	0.	0.	2.600E+03
5.491E-16	1.368E-07	2.690E-01	7.628E-16	3.404E-20	9.015E-22	0.	0.	0.	2.700E+03
2.463E-15	2.498E-07	2.685E-01	2.602E-15	2.417E-19	6.387E-21	0.	0.	0.	2.800E+03
9.183E-15	5.911E-07	2.479E-C1	8.167E-15	1.324E-18	3.447E-20	0.	0.	0.	2.900E+03
3.129E-14	1.150E-06	2.472E-01	2.379E-14	6.523E-18	2.157E-19	0.	0.	0.	3.000E+03
9.824E-14	2.162E-06	2.462E-01	6.477E-14	2.895E-17	1.054E-18	0.	0.	0.	3.100E+03
2.082E-13	3.030E-06	2.450E-01	1.658E-13	1.173E-16	4.654E-18	0.	0.	0.	3.200E+03
7.795E-13	6.631E-06	2.436E-C1	4.016E-13	4.370E-16	1.874E-17	0.	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	5.934E-11	4.069E-05	1.925E-05	3.901E-05	2.996E-09	6.475E-02	6.933E-01	1.224E-11	4.817E-11
3.500E+03	1.325E-10	3.742E-05	2.211E-05	5.376E-05	3.627E-09	8.091E-02	6.791E-01	2.620E-11	1.090E-10
3.600E+03	2.831E-10	3.430E-05	2.506E-05	7.249E-05	4.340E-09	9.964E-02	6.627E-01	5.398E-11	2.358E-10
3.700E+03	5.801E-10	3.131E-05	2.801E-05	9.587E-05	5.095E-09	1.210E-01	6.440E-01	1.063E-10	4.801E-10
3.800E+03	1.144E-09	2.844E-05	3.091E-05	1.244E-04	5.884E-09	1.451E-01	6.230E-01	2.014E-10	9.755E-10
3.900E+03	2.177E-09	2.567E-05	3.367E-05	1.587E-04	6.688E-09	1.717E-01	5.996E-01	3.679E-10	1.877E-09
4.000E+03	4.009E-09	2.303E-05	3.621E-05	1.990E-04	7.485E-09	2.009E-01	5.741E-01	6.491E-10	3.491E-09
4.100E+03	7.156E-09	2.050E-05	3.845E-05	2.456E-04	8.250E-09	2.323E-01	5.465E-01	1.105E-09	6.293E-09
4.200E+03	1.241E-08	1.812E-05	4.036E-05	2.985E-04	9.958E-09	2.657E-01	5.172E-01	1.836E-09	1.101E-08
4.300E+03	2.095E-08	1.588E-05	4.180E-05	3.576E-04	9.587E-09	3.008E-01	4.865E-01	2.954E-09	1.876E-08
4.400E+03	3.449E-08	1.379E-05	4.281E-05	4.227E-04	1.012E-08	3.370E-01	4.547E-01	4.624E-09	3.113E-08
4.500E+03	5.564E-08	1.180E-05	4.333E-05	4.931E-04	1.053E-08	3.740E-01	4.222E-01	7.049E-09	5.041E-08
4.600E+03	8.714E-08	1.015E-05	4.337E-05	5.682E-04	1.082E-08	4.112E-01	3.898E-01	1.048E-08	7.981E-08
4.700E+03	1.341E-07	5.898E-06	4.295E-05	6.473E-04	1.058E-08	4.481E-01	3.571E-01	1.523E-07	1.237E-07
4.800E+03	2.025E-07	7.211E-06	4.211E-05	7.294E-04	1.102E-08	4.842E-01	3.254E-01	2.163E-08	1.877E-07
4.900E+03	2.999E-07	6.070E-06	4.089E-05	8.137E-04	1.094E-08	5.191E-01	2.947E-01	3.008E-08	2.797E-07
5.000E+03	4.367E-07	4.968E-06	3.936E-05	8.993E-04	1.076E-08	5.523E-01	2.654E-01	4.101E-08	4.092E-07
5.200E+03	6.625E-07	3.336E-06	3.542E-05	1.071E-03	1.013E-08	6.126E-01	2.121E-01	7.219E-08	8.334E-07
5.400E+03	1.686E-06	2.197E-06	3.142E-05	1.240E-03	9.282E-09	6.635E-01	1.668E-01	1.191E-07	1.599E-06
5.600E+03	3.054E-06	1.431E-06	2.714E-05	1.401E-03	8.329E-09	7.047E-01	1.298E-01	1.058E-07	2.909E-06
5.800E+03	5.301E-06	9.267E-07	2.326E-05	1.556E-03	7.351E-09	7.369E-01	1.003E-01	2.766E-07	5.056E-06
6.000E+03	8.651E-06	6.006E-07	1.962E-05	1.695E-03	6.612E-09	7.612E-01	7.746E-02	3.957E-07	8.424E-06
6.200E+03	1.428E-05	3.910E-07	1.650E-05	1.823E-03	5.555E-09	7.789E-01	5.990E-02	5.472E-07	1.354E-05
6.400E+03	2.236E-05	2.564E-07	1.382E-05	1.937E-03	4.773E-09	7.914E-01	4.652E-02	7.352E-07	2.106E-05
6.600E+03	3.470E-05	1.695E-07	1.155E-05	2.036E-03	4.073E-09	7.995E-01	3.633E-02	9.635E-07	3.182E-05
6.800E+03	5.068E-05	1.130E-07	9.635E-07	2.118E-03	3.451E-09	8.042E-01	2.857E-02	1.234E-06	4.682E-05
7.000E+03	7.374E-05	7.600E-08	8.023E-06	2.180E-03	2.902E-09	8.062E-01	2.263E-02	1.554E-06	4.724E-05
7.200E+03	1.053E-04	5.148E-08	6.666E-06	2.221E-03	2.418E-09	8.080E-01	1.806E-02	1.922E-06	9.446E-05
7.400E+03	1.477E-04	3.511E-08	5.925E-06	2.239E-03	1.995E-09	8.040E-01	1.453E-02	2.340E-06	1.301E-04
7.600E+03	2.037E-04	2.409E-08	4.566E-06	2.253E-03	1.622E-09	8.007E-01	1.177E-02	2.811E-06	1.760E-04
7.800E+03	2.767E-04	1.661E-08	3.761E-06	2.207E-03	1.313E-09	7.963E-01	9.607E-03	3.337E-06	2.341E-04
8.000E+03	3.705E-04	1.151E-08	3.088E-06	2.156E-03	1.046E-09	7.913E-01	7.902E-03	3.920E-06	3.067E-04
8.200E+03	4.897E-04	8.006E-09	2.527E-06	2.086E-03	8.229E-10	7.859E-01	6.549E-03	4.563E-06	3.965E-05
8.400E+03	6.392E-04	5.597E-09	2.062E-06	1.999E-03	4.393E-10	7.804E-01	5.471E-03	5.272E-06	5.064E-04
8.600E+03	8.267E-04	3.932E-09	1.678E-06	1.899E-03	4.919E-10	7.751E-01	4.151E-03	4.052E-06	4.399E-04
8.800E+03	1.052E-03	2.777E-09	1.366E-06	1.789E-03	3.743E-10	7.701E-01	3.908E-03	6.911E-04	8.007E-04
9.000E+03	1.328E-03	1.974E-09	1.108E-06	1.675E-03	2.829E-10	7.656E-01	3.340E-03	7.856E-06	9.931E-04
9.200E+03	1.661E-03	1.412E-09	9.001E-07	1.559E-03	2.127E-10	7.615E-01	2.877E-03	8.895E-06	1.222E-03
9.400E+03	2.057E-03	1.018E-09	7.323E-07	1.466E-03	1.594E-10	7.580E-01	2.494E-03	1.003E-05	1.492E-03
9.600E+03	2.526E-03	5.794E-10	5.970E-07	1.336E-03	1.193E-10	7.549E-01	2.177E-03	1.120E-05	1.810E-03
9.800E+03	3.075E-03	3.941E-10	4.881E-07	1.233E-03	8.931E-11	7.521E-01	1.911E-03	1.264E-05	2.180E-03
1.000E+04	3.716E-03	2.997E-10	4.004E-07	1.136E-03	6.702E-11	7.496E-01	1.687E-03	1.412E-05	2.609E-03
1.100E+04	6.652E-03	8.857E-11	1.576E-07	7.570E-04	1.697E-11	7.387E-01	9.650E-04	2.332E-05	5.877E-03
1.200E+04	1.753E-02	2.873E-11	6.797E-08	5.160E-04	4.857E-12	7.251E-01	9.555E-04	3.549E-05	1.169E-02
1.300E+04	2.940E-02	9.408E-12	3.133E-08	3.584E-04	1.533E-12	7.048E-01	5.008E-04	5.008E-05	2.098E-02
1.400E+04	5.283E-02	3.297E-12	1.496E-08	2.501E-04	5.134E-13	6.756E-01	2.529E-04	6.581E-05	3.463E-02
1.500E+04	8.124E-02	1.184E-12	7.191E-09	1.726E-04	1.752E-13	6.355E-01	1.669E-04	8.078E-05	5.322E-02
1.600E+04	1.169E-01	4.203E-13	3.393E-09	1.157E-04	5.859E-14	5.851E-01	1.086E-04	9.274E-05	7.686E-02
1.700E+04	1.508E-01	1.434E-13	1.540E-09	7.474E-05	1.868E-14	5.257E-01	8.889E-05	9.961E-05	1.051E-01
1.800E+04	2.041E-01	4.594E-14	6.624E-10	4.607E-05	5.561E-15	4.600E-01	6.214E-05	1.001E-04	1.367E-01
1.900E+04	2.306E-01	1.368E-14	2.681E-10	2.701E-05	1.531E-15	3.919E-01	2.476E-05	4.434E-05	1.699E-01
2.000E+04	2.950E-01	3.777E-15	1.022E-10	1.509E-05	3.903E-16	3.256E-01	1.395E-05	8.369E-05	2.029E-01
2.100E+04	3.351E-01	9.766E-16	3.696E-11	8.097E-06	9.320E-17	2.049E-01	7.562E-06	7.025E-05	2.337E-01
2.200E+04	3.693E-01	2.405E-16	1.286E-11	4.217E-06	2.132E-17	2.120E-01	3.979E-06	5.638E-05	2.609E-01
2.300E+04	3.974E-01	5.770E-17	4.387E-12	2.159E-06	4.778E-18	1.680E-01	2.053E-06	4.368E-05	2.839E-01
2.400E+04	4.196E-01	1.380E-17	1.493E-12	1.101E-06	1.076E-18	1.327E-01	1.051E-06	3.304E-05	3.025E-01
2.500E+04	6.369E-01	3.336E-18	5.141E-13	5.649E-07	2.672E-19	1.051E-01	5.394E-07	2.443E-05	3.172E-01
2.600E+04	4.502E-01	8.416E-19	1.813E-13	2.938E-07	5.904E-20	8.374E-02	2.790E-07	1.824E-05	3.200E-01
2.700E+04	4.604E-01	2.200E-19	6.594E-14	1.557E-07	1.476E-20	4.730E-02	1.474E-07	1.351E-05	3.373E-01
2.800E+04	4.684E-01	6.031E-20	2.646E-14	8.420E-08	3.877E-21	5.463E-02	7.953E-08	1.004E-05	3.439E-01
2.900E+04	4.757E-01	1.737E-20	9.731E-15	4.653E-08	1.071E-21	4.516E-02	4.384E-08	7.512E-06	3.488E-01
3.000E+04	4.801E-01	5.252E-21	3.925E-15	2.626E-08	3.100E-22	3.766E-02	2.475E-08	5.666E-06	3.523E-01
3.100E+04	4.887E-01	1.663E-21	1.642E-15	1.507E-08	9.366E-23	3.177E-02	1.431E-08	4.313E-06	3.547E-01
3.200E+04	4.919E-01	3.499E-22	7.076E-16	8.789E-09	2.936E-23	2.710E-02	4.471E-09	3.312E-06	3.561E-01
3.300E+04	4.933E-01	1.689E-22	3.129E-16	5.191E-09	9.461E-24	2.336E-02	9.129E-09	2.367E-06	3.564E-01
3.400E+04	4.977E-01	6.706E-23	1.414E-16	3.093E-09	3.132E-24	2.033E-02	3.173E-09	2.007E-06	3.564E-01
3.500E+04	5.022E-01	2.453E-23	6.511E-17	1.056E-09	1.052E-24	1.764E-02	2.003E-09	1.382E-06	3.555E-01
3.600E+04	5.070E-01	9.194E-24	3.035E-17	1.115E-09	3.566E-25	1.578E-02	1.289E-09	1.258E-06	3.560E-01
3.700E+04	5.118E-01	3.521E-24	1.435E-17	6.709E-10	1.217E-25	1.406E-02	8.444E-10	1.008E-06	3.521E-01
3.800E+04	5.167E-01	1.374E-24	8.80E-18	4.038E-10	4.166E-26	1.240E-02	5.724E-10	8.135E-07	3.499E-01
3.900E+04	5.214E-01	3.436E-25	3.304E-18	2.430E-10	1.430E-26	1.336E-02	3.808E-10	6.019E-07	3.476E-01
4.000E+04	5.259E-01	2.206E-25	1.608E-18	1.462E-10	4.925E-27	1.030E-02	2.617E-10	5.427E-07	3.453E-01
4.100E+04	5.306E-01	9.066E-26	7.894E-19	8.811E-11	1.705E-27	9.375E-03	1.024E-10	4.403E-07	3.431E-01
4.200E+04	5.337E-01	3.793E-26	3.917E-19	9.324E-11	9.951E-28	6.574E-03	1.280E-10	3.730E-07	3.411F-01
4.300E+04	5.370E-01	1.616E-26	1.966E-19	3.230E-11	2.099E-28	7.872E-03	9.217E-11	3.125E-07	3.399E-01
4.400E+04	5.394E-01	7.013E-27	5.990E-20	1.970E-11	7.498E-29	7.254E-03	6.673E-11	2.036E-07	

TABLE II.- Continued

M-	N	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17
1.493E+12	1.109E-05	2.419E-01	9.236E-13	1.509E-15	6.938E-17	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.400E+03		
4.812E-12	1.401E-05	2.398E-01	2.028E-12	4.864E-15	2.378E-16	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.500E+03		
1.101E-11	2.644E-05	2.375E-01	4.267E-12	1.471E-14	7.588E-16	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.600E+03		
2.398E-11	4.378E-05	2.348E-01	8.632E-12	4.196E-14	2.266E-15	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.700E+03		
6.986E-11	6.382E-05	2.317E-01	1.686E-11	1.134E-13	6.367E-15	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.800E+03		
1.499E-10	1.396E-05	2.247E-01	5.808E-11	7.172E-13	4.264E-14	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.000E+03		
3.496E-10	1.475E-05	2.207E-01	1.032E-10	1.690E-12	1.024E-13	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.100E+03		
6.209E-10	2.745E-04	2.164E-01	1.786E-10	3.829E-12	2.346E-13	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.200E+03		
1.066E-09	3.755E-04	2.12GE-01	3.016E-10	8.367E-12	5.163E-13	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.300E+03		
1.774E-09	5.359E-04	2.073E-01	4.978E-10	1.786E-11	1.091E-12	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.400E+03		
2.883E-09	6.720E-04	2.026E-01	8.047E-10	3.620E-11	2.221E-12	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.500E+03		
4.491E-09	6.011E-04	1.977E-01	1.276E-09	7.202E-11	4.367E-12	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.600E+03		
6.859E-09	1.141E-03	1.929E-01	1.987E-09	1.396E-10	8.313E-12	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.700E+03		
1.021E-08	1.462E-03	1.882E-01	3.043E-09	2.633E-10	1.535E-11	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.800E+03		
1.485E-08	1.653E-03	1.835E-01	4.591E-09	4.656E-10	2.770E-11	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.900E+03		
2.111E-08	2.326E-03	1.790E-01	6.829E-09	8.757E-10	4.847E-11	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.000E+03		
4.013E-08	3.571E-03	1.706E-01	1.454E-08	2.681E-09	1.381E-10	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.200E+03		
7.095E-08	5.314E-03	1.631E-01	2.955E-08	7.625E-09	3.610E-10	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.400E+03		
1.179E-07	7.692E-03	1.556E-01	5.750E-08	2.029E-08	8.765E-10	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.600E+03		
1.858E-07	1.286E-02	1.503E-01	1.080E-07	5.076E-08	1.981E-09	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.800E+03		
2.830E-07	1.494E-02	1.546E-01	1.949E-07	1.201E-07	4.225E-09	6.219E-26	0.	0.	0.	0.	0.	0.	0.	0.	6.000E+03		
4.066E-07	2.023E-02	1.391E-01	3.392E-07	2.694E-07	8.552E-09	9.939E-25	0.	0.	0.	0.	0.	0.	0.	0.	6.200E+03		
5.710E-07	2.617E-02	1.334E-01	5.659E-07	5.751E-07	1.647E-08	4.943E-24	0.	0.	0.	0.	0.	0.	0.	0.	6.400E+03		
7.824E-07	3.473E-02	1.273E-01	9.237E-07	1.171E-06	3.032E-08	3.621E-23	0.	0.	0.	0.	0.	0.	0.	0.	6.600E+03		
1.045E-06	4.420E-02	1.208E-01	1.445E-06	2.281E-06	5.455E-08	2.356E-22	0.	0.	0.	0.	0.	0.	0.	0.	6.800E+03		
1.368E-06	5.521E-02	1.136E-01	2.183E-06	4.259E-06	6.091E-08	1.373E-21	0.	0.	0.	0.	0.	0.	0.	0.	7.000E+03		
1.758E-06	6.771E-02	1.058E-01	3.184E-06	7.635E-06	1.485E-06	7.216E-21	0.	0.	0.	0.	0.	0.	0.	0.	7.200E+03		
2.223E-06	9.156E-02	9.733E-02	4.485E-06	1.317E-05	2.354E-07	3.445E-20	0.	0.	0.	0.	0.	0.	0.	0.	7.400E+03		
2.770E-06	9.649E-02	8.439E-02	6.103E-06	2.191E-05	3.601E-07	1.503E-19	0.	0.	0.	0.	0.	0.	0.	0.	7.600E+03		
3.466E-06	1.122L-01	7.912E-02	8.024E-06	3.517E-05	5.338E-07	6.027E-19	0.	0.	0.	0.	0.	0.	0.	0.	7.800E+03		
4.130E-06	1.282E-01	6.473E-02	1.020E-05	5.461E-05	7.675E-07	2.232E-18	0.	0.	0.	0.	0.	0.	0.	0.	8.000E+03		
4.973E-06	1.444E-02	6.049E-02	1.255E-05	8.216E-06	1.072E-05	7.667E-18	0.	0.	0.	0.	0.	0.	0.	0.	8.200E+03		
5.918E-06	1.572E-01	5.188E-02	1.496E-05	1.200E-04	1.457E-06	2.470E-17	0.	0.	0.	0.	0.	0.	0.	0.	8.400E+03		
6.981E-06	1.733E-01	4.345E-02	1.731E-05	1.703E-04	1.928E-06	7.644E-17	0.	0.	0.	0.	0.	0.	0.	0.	8.600E+03		
8.165E-06	1.863E-01	3.605E-02	1.950E-05	2.357E-04	2.492E-06	2.114E-16	0.	0.	0.	0.	0.	0.	0.	0.	8.800E+03		
9.479E-06	1.917E-01	2.955E-02	2.144E-05	3.186E-04	3.149E-06	5.687E-16	0.	0.	0.	0.	0.	0.	0.	0.	9.000E+03		
1.033E-05	2.067E-01	2.399E-02	2.397E-05	4.216E-04	3.900E-06	1.454E-15	0.	0.	0.	0.	0.	0.	0.	0.	9.200E+03		
1.251E-05	2.146E-01	1.934E-02	2.438E-05	5.475E-04	4.765E-06	3.552E-15	0.	0.	0.	0.	0.	0.	0.	0.	9.400E+03		
1.424E-05	2.210E-01	1.591E-02	2.538E-05	6.992E-04	5.681E-06	8.316E-15	0.	0.	0.	0.	0.	0.	0.	0.	9.600E+03		
1.611E-05	2.261E-01	1.246E-02	2.610E-05	8.798E-04	6.726E-06	1.873E-14	0.	0.	0.	0.	0.	0.	0.	0.	9.800E+03		
1.812E-05	2.302E-01	9.412E-03	2.657E-05	1.092E-03	7.820E-06	4.070E-14	0.	0.	0.	0.	0.	0.	0.	0.	1.000E+04		
3.027E-05	2.384E-01	3.325E-03	2.651E-05	2.770E-03	1.465E-05	1.261E-12	0.	0.	0.	0.	0.	0.	0.	0.	1.100E+04		
4.533E-05	2.373E-01	1.224E-03	2.645E-05	5.855E-03	2.324E-05	2.178E-11	0.	0.	0.	0.	0.	0.	0.	0.	1.200E+04		
6.154E-05	2.301E-01	4.942E-04	2.196E-05	1.080E-02	3.273E-05	2.431E-10	0.	0.	0.	0.	0.	0.	0.	0.	1.300E+04		
7.792E-05	2.140E-01	2.137E-04	1.419E-05	1.824E-02	4.172E-05	1.929E-09	2.166E-23	0.	0.	0.	0.	0.	0.	0.	1.400E+04		
9.041E-05	2.013E-01	9.636E-05	1.582E-05	2.807E-02	4.860E-05	1.165E-08	1.394E-21	0.	0.	0.	0.	0.	0.	0.	1.500E+04		
9.833E-05	1.805E-01	4.423E-05	1.260E-05	6.010E-02	5.148E-05	5.628E-09	5.470E-20	0.	0.	0.	0.	0.	0.	0.	1.600E+04		
9.911E-05	1.566E-01	2.024E-05	9.541E-06	5.359E-02	5.121E-05	2.280E-07	1.433E-18	0.	0.	0.	0.	0.	0.	0.	1.700E+04		
9.316E-05	1.314E-01	9.135E-06	6.850E-06	6.749E-02	4.663E-05	7.770E-07	2.687E-17	0.	0.	0.	0.	0.	0.	0.	1.800E+04		
8.191E-05	1.026E-01	4.225E-06	4.664E-06	8.046E-02	3.948E-05	2.364E-06	3.813E-16	0.	0.	0.	0.	0.	0.	0.	1.900E+04		
6.773E-05	6.112E-02	1.733E-06	3.035E-06	9.210E-02	3.134E-05	6.377E-06	4.277E-15	0.	0.	0.	0.	0.	0.	0.	2.000E+04		
5.310E-05	6.488E-02	7.337L-07	1.903E-06	1.013E-01	2.359E-05	1.580E-05	3.932E-14	0.	0.	0.	0.	0.	0.	0.	2.100E+04		
3.946E-05	6.924E-02	3.046E-07	1.164E-06	1.083E-01	1.707E-05	3.576E-05	3.044E-13	0.	0.	0.	0.	0.	0.	0.	2.200E+04		
2.899E-05	3.722E-02	1.306E-07	7.046E-07	1.134E-01	1.204E-05	7.634E-05	2.028E-12	0.	0.	0.	0.	0.	0.	0.	2.300E+04		
2.066E-05	2.114E-02	5.618E-08	4.223E-07	1.164E-01	1.634E-05	8.373E-06	1.939E-04	1.103E-11	0.	0.	0.	0.	0.	0.	0.	2.400E+04	
1.454E-05	2.141E-02	2.978E-08	2.599E-07	1.194F-01	5.801E-06	2.951E-04	6.127E-11	0.	0.	0.	0.	0.	0.	0.	2.500E+04		
1.026E-05	1.494E-02	1.125E-03	1.605E-07	1.205E-01	4.032E-06	5.612E-04	2.848E-10	0.	0.	0.	0.	0.	0.	0.	2.600E+04		
7.262E-06	1.278E-02	5.274E-06	1.006E-07	1.212E-01	2.823E-06	9.527E-04	1.193E-09	0.	0.	0.	0.	0.	0.	0.	2.700E+04		
5.146E-06	1.334E-02	2.549E-06	6.407E-08	1.212E-01	1.997E-06	1.615E-03	4.650E-09	0.	0.	0.	0.	0.	0.	0.	2.800E+04		
3.751E-06	7.948E-03	1.267L-05	4.134E-06	1.207E-01	1.424E-06	2.661E-03	1.624E-08	0.	0.	0.	0.	0.	0.	0.	2.900E+04		
2.756E-06	6.399E-03	6.555E-10	2.695E-06	1.194E-01	1.031E-06	4.171E-03	5.248E-08	0.	0.	0.	0.	0.	0.	0.	3.000E+04		
2.059E-06	5.166E-03	3.353E-10	1.768E-08	1.173E-01	7.917E-07	6.349E-03	5.996E-07	0.	0.	0.	0.	0.	0.	0.	3.100E+04		
1.561E-06	4.167E-03	1.766E-10	1.162E-08	1.142E-01	5.916E-07	9.398E-03	6.477E-07	0.	0.	0.	0.	0.	0.	0.	3.200E+04		
1.207E-06	3.397E-03	9.373E-11	7.696E-08	1.099E-01	4.064E-07	1.346											

TABLE II. - Continued

P/PO = 3.80E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.040E-01	1.555E-20	6.399E-35	1.656E-20	6.200E-22	2.970E-01	1.358E-18	1.126E-21
6.000E+02	0.	2.612E-01	3.006E-17	6.656E-29	2.417E-24	5.613E-18	5.541E-01	1.061E-18	3.487E-21
7.000E+02	0.	8.565E-02	4.602E-15	1.047E-24	1.383E-21	3.410E-15	6.658E-01	9.037E-19	9.037E-21
8.000E+02	0.	2.944E-02	1.696E-13	1.329E-21	1.302E-19	4.021E-13	7.279E-01	8.411E-19	2.056E-20
9.000E+02	0.	1.190E-02	2.658E-12	3.348E-19	4.190E-18	1.636E-11	7.411E-01	8.035E-19	4.013E-20
1.000E+03	0.	5.619E-03	2.351E-11	2.769E-17	6.614E-17	3.183E-10	7.453E-01	7.672E-19	6.838E-20
1.100E+03	0.	3.009E-03	1.395E-10	1.020E-15	6.297E-16	3.629E-09	7.477E-01	7.268E-19	1.044E-19
1.200E+03	0.	1.781E-03	6.114E-10	2.049E-14	6.120E-15	2.770E-08	7.487E-01	6.826E-19	1.463E-19
1.300E+03	0.	1.141E-03	2.130E-09	2.634E-13	2.024E-14	1.553E-07	7.491E-01	6.362E-19	1.914E-19
1.400E+03	0.	7.794E-04	6.199E-09	2.332E-12	7.941E-14	6.627E-07	7.494E-01	5.897E-19	2.374E-19
1.500E+03	0.	5.605E-04	1.566E-08	1.543E-11	2.605E-13	2.470E-06	7.498E-01	5.447E-19	2.025E-19
1.600E+03	3.239E-30	4.206E-04	3.513E-08	8.062E-11	7.346E-13	7.629E-06	7.497E-01	5.025E-19	3.252E-19
1.700E+03	3.002E-27	3.269E-04	7.173E-08	3.468E-10	1.658E-12	2.067E-05	7.497E-01	4.635E-19	3.647E-19
1.800E+03	1.529E-26	2.617E-04	1.353E-07	1.269E-09	4.225E-12	5.023E-05	7.498E-01	4.202E-19	4.009E-19
1.900E+03	3.127E-22	2.148E-04	2.386E-07	4.050E-09	8.824E-12	1.113E-04	7.497E-01	3.965E-19	4.332E-19
2.000E+03	4.120E-20	1.801E-04	3.977E-07	1.515E-08	1.724E-11	2.281E-04	7.497E-01	3.858E-19	4.852E-19
2.100E+03	1.619E-18	1.537E-04	6.314E-07	2.962E-08	3.156E-11	4.369E-04	7.495E-01	9.159E-19	1.307E-18
2.200E+03	1.333E-17	1.332E-04	6.609E-07	6.955E-08	5.478E-11	7.895E-04	7.492E-01	5.356E-18	8.574E-18
2.300E+03	4.822E-17	1.170E-04	1.410E-06	1.533E-07	9.075E-11	1.356E-03	7.487E-01	3.158E-17	5.614E-17
2.400E+03	6.904E-16	1.039E-04	2.002E-06	3.146E-07	1.443E-10	2.228E-03	7.484E-01	1.641E-16	3.211E-16
2.500E+03	2.378E-15	9.315E-05	2.763E-06	6.093E-07	2.212E-10	3.518E-03	7.468E-01	7.508E-16	1.605E-15
2.600E+03	1.023E-14	8.420E-05	3.716E-06	1.121E-06	3.281E-10	5.365E-03	7.452E-01	3.061E-15	7.100E-15
2.700E+03	3.960E-14	7.661E-05	4.884E-06	1.971E-06	4.726E-10	7.929E-03	7.433E-01	1.126E-14	2.818E-14
2.800E+03	1.394E-13	7.009E-05	6.285E-06	3.325E-06	6.627E-10	1.139E-02	7.440E-01	3.778E-14	1.019E-13
2.900E+03	4.504E-13	6.438E-05	7.933E-06	5.406E-06	9.068E-11	1.596E-01	7.363E-01	1.167E-13	3.349E-13
3.000E+03	1.348E-12	5.932E-05	9.836E-06	8.497E-06	1.213E-09	2.185E-02	7.308E-01	3.342E-13	1.021E-12
3.100E+03	3.763E-12	5.476E-05	1.199E-05	1.295E-05	1.588E-09	2.928E-02	7.243E-01	8.944E-13	2.902E-12
3.200E+03	9.454E-12	5.059E-05	1.439E-05	1.920E-05	2.037E-09	3.848E-02	7.163E-01	2.250E-12	7.728E-12
3.300E+03	2.437E-11	6.673E-05	1.702E-05	2.772E-05	2.565E-09	4.969E-02	7.065E-01	5.347E-12	1.940E-11
3.400E+03	2.716E-11	6.311E-05	1.983E-05	3.907E-05	3.171E-09	6.308E-02	6.947E-01	1.206E-11	4.616E-11
3.500E+03	1.277E-10	3.968E-05	2.279E-05	9.384E-05	3.853E-09	7.886E-02	6.808E-01	2.592E-11	1.045E-10
3.600E+03	2.727E-10	3.641E-05	2.584E-05	7.266E-05	4.603E-09	9.714E-02	6.649E-01	5.326E-11	2.261E-10
3.700E+03	5.558E-10	3.328E-05	2.892E-05	9.614E-05	5.440E-09	1.180E-01	6.466E-01	1.050E-10	4.691E-10
3.800E+03	1.132E-09	3.027E-05	3.149E-05	1.249E-06	6.253E-09	1.413E-01	6.260E-01	1.990E-10	9.360E-10
3.900E+03	2.098E-09	2.737E-05	3.483E-05	1.593E-04	7.118E-09	1.676E-01	6.032E-01	3.638E-10	1.801E-09
4.000E+03	3.864E-09	2.460E-05	3.751E-05	2.000E-04	7.977E-09	1.962E-01	5.781E-01	6.426E-10	3.352E-09
4.100E+03	6.895E-09	2.195E-05	3.990E-05	2.470E-04	8.807E-09	2.270E-01	5.511E-01	1.059E-09	6.044E-09
4.200E+03	1.197E-08	1.944E-05	4.192E-05	3.050E-04	9.581E-09	2.599E-01	5.223E-01	1.822E-09	1.059E-08
4.300E+03	2.021E-08	1.708E-05	4.352E-05	3.604E-04	1.027E-08	2.944E-01	4.920E-01	2.935E-09	1.804E-08
4.400E+03	3.326E-08	1.488E-05	4.465E-05	4.263E-04	1.086E-08	3.302E-01	4.607E-01	4.600E-09	2.994E-08
4.500E+03	5.351E-08	1.285E-05	4.529E-05	4.979E-04	1.133E-08	3.667E-01	4.288E-01	7.023E-09	4.852E-08
4.600E+03	8.415E-08	1.101E-05	4.533E-05	5.746E-04	1.167E-08	4.036E-01	3.962E-01	1.046E-08	7.686E-08
4.700E+03	1.296E-07	9.351E-06	4.509E-05	6.551E-04	1.180E-08	4.403E-01	3.640E-01	1.522E-08	1.192E-07
4.800E+03	1.957E-07	7.877E-06	4.430E-05	7.391E-04	1.195E-08	4.763E-01	3.323E-01	2.165E-08	1.810E-07
4.900E+03	2.900E-07	6.584E-06	4.312E-05	8.255E-04	1.189E-08	5.111E-01	3.016E-01	3.017E-08	2.698E-07
5.000E+03	4.225E-07	5.646E-06	4.140E-05	9.134E-04	1.171E-08	5.446E-01	2.723E-01	4.120E-08	3.950E-07
5.100E+03	6.546E-07	3.693E-06	3.782E-05	1.090E-03	1.108E-08	6.052E-01	2.185E-01	7.277E-08	8.046E-07
5.200E+03	1.632E-06	2.648E-06	3.349E-05	1.265E-03	1.016E-08	6.562E-01	1.620E-01	1.204E-07	1.567E-06
5.300E+03	2.963E-06	1.602E-06	2.909E-05	1.432E-03	9.174E-09	6.991E-01	1.340E-01	1.885F-07	2.819E-06
5.400E+03	5.145E-06	1.347E-06	2.490E-05	1.590E-03	1.012E-09	7.322E-01	1.046E-01	2.412E-07	4.901E-06
5.500E+03	6.595E-07	6.788E-07	2.112E-05	1.736E-03	7.112E-09	7.576E-01	8.094E-02	4.033E-07	8.176E-06
5.600E+03	1.387E-05	4.643E-07	1.779E-05	1.870E-03	6.170E-09	7.759E-01	6.273E-02	5.588E-07	1.315E-05
5.700E+03	2.173E-05	2.916E-07	1.494E-05	1.990E-03	5.313E-09	7.850E-01	4.881E-02	7.519E-07	2.047E-05
5.800E+03	3.312E-05	1.933E-07	1.251E-05	2.093E-03	4.553E-09	7.977E-01	3.810E-02	9.867E-07	3.094E-05
5.900E+03	6.928E-05	1.292E-07	1.045E-05	2.179E-03	3.858E-09	8.029E-01	3.006E-02	1.267E-06	4.555E-05
6.000E+03	7.174E-05	6.705E-08	8.715E-06	2.246E-03	3.251E-09	8.356E-01	3.384E-02	1.595E-06	6.544E-05
6.100E+03	1.024E-04	5.909E-08	7.253E-06	2.291E-03	2.715E-09	8.059E-01	1.974E-02	9.199E-05	
6.200E+03	1.436E-04	6.039E-08	6.022E-06	2.313E-03	2.246E-09	8.038E-01	1.532E-02	2.405E-06	1.257E-04
6.300E+03	1.981E-04	2.777E-08	4.985E-06	2.311E-03	1.838E-09	8.007E-01	1.242E-02	2.891E-06	1.711E-04
6.400E+03	2.694E-04	1.918E-08	4.116E-06	2.266E-03	1.697E-09	7.966E-01	1.015E-02	3.434E-06	2.291E-04
6.500E+03	3.633E-04	1.332E-08	3.304E-06	2.237E-03	1.188E-09	7.917E-01	8.350E-03	4.035E-06	2.998E-04
6.600E+03	4.763E-04	9.284E-09	2.774E-06	2.168E-03	6.380E-09	7.864E-01	6.923E-03	4.699E-06	3.885E-04
6.700E+03	7.174E-04	6.705E-09	8.715E-06	2.080E-03	5.216E-09	7.316E-01	7.810E-03	5.704E-03	4.937E-04
6.800E+03	1.024E-03	5.909E-09	7.253E-06	1.946E-03	4.644E-09	7.757E-01	4.886E-03	6.233E-04	6.238E-04
6.900E+03	1.429E-03	3.238E-09	1.505E-06	1.869E-03	4.313E-09	7.707E-01	4.613E-03	7.117E-04	7.805E-04
7.000E+03	1.929E-03	2.305E-09	1.225E-06	1.753E-03	3.270E-09	7.662E-01	3.931E-03	6.089E-04	9.680E-04
7.100E+03	2.616E-03	1.652E-09	9.966E-07	1.634E-03	2.446E-09	7.621E-01	3.041E-03	9.157E-06	1.191E-03
7.200E+03	2.001E-03	1.192E-09	8.116E-07	1.517E-03	1.852E-09	7.585E-01	2.636E-03	1.013E-05	1.654E-03
7.300E+03	2.445E-03	6.663E-10	6.624E-07	1.404E-03	1.388E-09	7.533E-01	2.301E-03	1.161E-05	1.743E-03
7.400E+03	2.992E-03	6.350E-10	5.420E-07	1.296E-03	1.042E-09	7.525E-01	2.020E-03	1.300E-05	2.123E-03
7.500E+03	3.616E-03	6.691E-10	4.450E-07	1.196E-03	7.836E-11	7.500E-01	1.783E-03	1.452E-05	2.561E-03
7.600E+03	4.022E-03	1.160E-10	1.756E-07	7.988E-04	1.695E-11	7.391E-01	1.020E-03	2.398E-05	5.723E-03
7.700E+03	1.707E-02	3.390E-11	7.591E-08	6.455E-04	9.729E-12	7.250E-01	6.297E-04	3.652E-05	1.130E-02
7.800E+03	3.101E-02	1.114E-11	3.509E-08	3.797E-04	1.618E-12	7.006E-01	4.067E-04	9.157E-05	2.044E-02
7.900E+03	5.150E-02	3.923E-12	1.682E-08	2.656E-04	6.124E-13	6.772E-01	2.684E-04	8.788E-05	3.375E-02
8.000E+03	7.927E-02	1.419E-12							

TABLE II.- Continued

P/PD = 3.80E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	9.900E-02	6.491E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.847E-01	9.140E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.286E-01	1.182E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.449E-29	2.426E-01	1.499E-20	0.	0.	0.	0.	0.	8.000E+02
0.	6.132E-26	2.470E-01	1.814E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.406E-23	2.486E-01	2.085E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.418E-21	2.492E-01	2.291E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.414E-19	2.496E-01	2.426E-20	9.273E-34	0.	0.	0.	0.	1.200E+03
0.	1.355E-17	2.497E-01	2.496E-20	1.728E-32	0.	0.	0.	0.	1.300E+03
0.	3.188E-16	2.498E-01	2.512E-20	2.086E-31	0.	0.	0.	0.	1.400E+03
0.	4.931E-15	2.499E-01	2.487E-20	1.782E-30	0.	0.	0.	0.	1.500E+03
0.	5.420E-14	2.499E-01	2.432E-20	1.151E-29	0.	0.	0.	0.	1.600E+03
0.	4.508E-13	2.499E-01	2.359E-20	5.807E-29	0.	0.	0.	0.	1.700E+03
1.717E-27	2.496E-12	2.496E-01	2.275E-20	2.500E-28	0.	0.	0.	0.	1.800E+03
6.108E-25	1.690E-11	2.499E-01	2.148E-20	9.088E-28	0.	0.	0.	0.	1.900E+03
1.158E-22	7.305E-11	2.499E-01	2.198E-20	3.018E-27	8.635E-31	0.	0.	0.	2.000E+03
5.485E-21	2.888E-10	2.499E-01	5.373E-20	2.174E-26	1.080E-28	0.	0.	0.	2.100E+03
6.673E-20	1.008E-09	2.499E-01	3.211E-19	3.488E-25	3.298E-27	0.	0.	0.	2.200E+03
5.890E-19	3.159E-09	2.498E-01	1.967E-18	5.168E-24	6.348E-26	0.	0.	0.	2.300E+03
6.135E-18	9.035E-09	2.497E-01	1.034E-17	6.260E-23	9.356E-25	0.	0.	0.	2.400E+03
2.474E-17	2.361E-08	2.495E-01	4.822E-17	6.217E-22	1.108E-23	0.	0.	0.	2.500E+03
1.248E-16	5.751E-08	2.493E-01	2.033E-16	5.195E-21	1.063E-22	0.	0.	0.	2.600E+03
5.942E-16	1.312E-07	2.492E-01	7.497E-20	3.715E-20	8.929E-22	0.	0.	0.	2.700E+03
2.640E-15	2.821E-07	2.488E-01	2.558E-15	2.313E-19	6.325E-21	0.	0.	0.	2.800E+03
9.094E-15	5.754E-07	2.400E-01	8.031E-15	1.271E-18	3.908E-20	0.	0.	0.	2.900E+03
3.098E-14	1.119L-06	2.472E-01	2.340E-14	6.243E-18	2.135E-19	0.	0.	0.	3.000E+03
9.728E-14	2.085E-09	2.463E-01	6.370E-14	2.772E-17	1.044E-18	0.	0.	0.	3.100E+03
2.835E-13	3.735E-13	2.452E-01	1.631E-13	1.123E-16	4.637E-18	0.	0.	0.	3.200E+03
7.721E-13	6.446E-06	2.438E-01	3.950E-13	4.185E-16	1.856E-17	0.	0.	0.	3.300E+03
1.975E-11	1.025E-10	2.421E-01	5.092E-13	1.446E-15	6.869E-17	0.	0.	0.	4.400E+03
6.708E-12	1.754E-05	2.401E-01	1.997E-12	4.659E-15	2.355E-16	0.	0.	0.	5.500E+03
1.092E-11	2.770E-05	2.781E-01	4.202E-12	1.409E-16	7.513E-16	0.	0.	0.	7.600E+03
2.378E-11	4.664E-05	2.352E-01	8.522E-12	4.019E-14	2.245E-15	0.	0.	0.	9.700E+03
4.947E-11	6.413E-05	2.322E-01	1.655E-11	1.087E-13	6.310E-15	0.	0.	0.	3.800E+03
8.859E-11	9.436E-05	2.289E-01	3.129E-11	2.796E-13	1.676E-14	0.	0.	0.	3.900E+03
1.807E-10	1.360E-04	2.251E-01	5.724E-11	6.871E-13	4.227E-14	0.	0.	0.	4.000E+03
3.477E-10	1.925E-10	2.214E-01	1.017E-10	1.619E-12	1.015E-13	0.	0.	0.	4.100E+03
6.162E-10	2.677E-04	2.172E-01	1.761E-10	3.668E-12	2.330E-13	0.	0.	0.	4.200E+03
1.064E-04	3.662E-04	2.128E-01	2.973E-10	8.014E-12	5.125E-13	0.	0.	0.	4.300E+03
1.770E-05	9.934E-04	2.082E-01	4.906E-10	1.693E-11	1.084E-12	0.	0.	0.	4.400E+03
2.840E-09	6.555E-04	2.035E-01	7.934E-10	3.466E-11	2.207E-12	0.	0.	0.	4.500E+03
6.446E-09	8.596E-04	1.987E-01	1.258E-09	6.894E-11	6.343E-12	0.	0.	0.	4.600E+03
6.873E-05	1.114E-03	1.439E-01	1.958E-C9	1.334E-10	8.272E-12	0.	0.	0.	4.700E+03
1.023E-05	1.427E-03	1.892E-01	2.959E-09	2.918E-11	1.528E-11	0.	0.	0.	4.800E+03
1.452E-04	1.809E-03	1.845E-01	4.523E-09	4.642E-10	2.759E-11	0.	0.	0.	4.900E+03
2.123E-04	2.271E-04	1.626E-01	6.726E-C9	6.373E-10	4.631E-11	0.	0.	0.	5.000E+03
6.053E-08	3.400E-03	1.716E-01	1.430E-08	2.560E-09	1.378E-10	0.	0.	0.	5.200E+03
7.186E-08	5.167E-03	1.640E-01	2.904E-07	7.274E-09	3.604E-10	0.	0.	0.	5.400E+03
1.157E-07	7.506E-03	1.572E-01	5.655E-08	1.934E-C8	8.738E-10	0.	0.	0.	5.600E+03
1.881E-07	1.063E-02	1.510E-01	1.059E-07	4.836E-08	1.981E-09	0.	0.	0.	5.800E+03
2.856E-07	1.467E-02	1.453E-01	1.911E-07	1.143E-07	4.229E-08	5.777E-26	0.	0.	6.000E+03
4.133E-07	1.974E-02	1.397E-01	3.325E-07	2.563E-07	8.557E-09	5.510E-25	0.	0.	6.200E+03
5.849E-07	2.612E-02	1.348E-01	5.564E-07	5.470E-07	1.665E-08	4.583E-24	0.	0.	6.400E+03
0.010E-07	3.390E-02	1.290E-01	9.053E-07	1.114E-06	3.078E-09	2.357E-23	0.	0.	6.600E+03
1.071E-06	4.316E-02	1.215E-01	1.417E-C6	2.170E-06	5.365E-08	2.185E-22	0.	0.	6.800E+03
1.403E-06	5.394E-02	1.145E-01	2.143E-06	4.053E-06	9.117E-08	1.273E-21	0.	0.	7.000E+03
1.840E-06	6.621E-02	1.367E-01	3.131E-06	7.213E-06	1.694E-07	6.697E-21	0.	0.	7.200E+03
2.281E-06	7.982E-02	4.411E-02	4.141E-06	1.256E-05	2.363E-07	3.20CE-20	0.	0.	7.400E+03
2.843E-06	9.454E-02	8.957E-02	6.025E-06	2.091E-05	3.622E-07	1.398E-19	0.	0.	7.600E+03
3.497E-06	1.1000E-01	8.030E-02	7.961E-06	3.361E-05	5.376E-05	5.611E-19	0.	0.	7.800E+03
6.230E-06	1.259E-01	7.105E-C2	1.012E-05	5.227E-05	7.741E-07	2.302E-19	0.	0.	8.000E+03
5.116E-06	1.417E-01	6.183E-02	1.249E-C5	7.875E-05	1.083E-06	7.178E-18	0.	0.	8.200E+03
6.080E-06	1.565E-01	5.297E-C2	1.494E-C5	1.152E-04	1.747E-06	5.117E-18	0.	0.	8.400E+03
7.122E-06	1.711E-01	4.671E-02	1.733E-05	1.033E-04	1.955E-06	6.773E-17	0.	0.	8.600E+03
8.300E-06	1.860E-01	3.722E-02	1.961E-05	2.270E-04	2.530E-06	1.804E-16	0.	0.	8.800E+03
9.740E-06	1.953E-01	3.061E-02	2.163E-05	3.076E-04	3.203E-06	5.363E-16	0.	0.	9.000E+03
1.123E-05	2.051E-01	2.493E-02	2.334E-C5	4.076E-04	3.974E-06	1.368E-14	0.	0.	9.200E+03
1.286E-05	2.132E-01	2.015E-02	2.474E-C5	5.237E-04	4.841E-06	3.366E-15	0.	0.	9.400E+03
1.443E-05	2.190E-01	1.620E-C2	2.591E-05	6.772E-04	5.803E-06	7.843E-15	0.	0.	9.600E+03
1.655E-05	2.252E-01	1.298E-C2	2.654E-C5	8.529E-04	6.858E-06	1.768E-14	0.	0.	9.800E+03
1.862E-05	2.293F-01	1.039E-02	2.711E-05	1.060E-03	8.005E-06	3.045E-14	0.	0.	1.000E+04
3.112E-05	2.307E-01	3.504E-03	2.719E-05	2.646E-03	1.504E-05	1.196E-12	0.	0.	1.10L+04
4.665E-05	2.379E-01	1.293E-03	2.527E-C5	5.700E-03	2.39CE-05	2.063E-11	0.	0.	1.200E+04
6.379E-05	2.309E-01	5.236E-04	2.263E-C5	1.060E-02	3.371E-05	2.303E-10	0.	0.	1.300E+04
8.039E-05	2.187L-01	2.271E-04	1.962E-05	1.779E-02	4.307E-05	1.028E-09	1.995E-23	0.	1.400E+04
9.353E-05	2.024E-01	1.029E-04	1.640E-05	2.741E-02	5.033E-05	1.105E-08	1.283E-21	0.	1.500E+04
1.021E-04	1.820E-01	6.746E-05	1.312E-05	3.922E-02	5.405E-05	5.339E-08	5.033E-20	0.	1.600E+04
1.033E-04	1.586E-01	2.191E-05	9.992E-06	5.253E-02	5.353E-05	2.146E-07	1.317E-18	0.	1.700E+04
9.782E-05	1.316E-01	9.966E-06	7.223E-06	6.632E-02	4.055E-05	7.387E-07	2.467E-17	0.	1.800E+04
8.635E-05	1.090E-01	4.434E-06	4.958E-C6	7.946E-C2	4.181E-05	2.232E-06	3.649E-16	0.	1.900E+04
7.188E-05	6.636E-02	1.928E-06	3.250E-06	9.100E-02	3.363E-05	6.044E-06	3.915E-15	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	3.306E-01	1.279E-15	6.469E-11	9.047E-04	1.229E-16	2.717E-01	8.410E-04	7.493E-05	2.302E-01
2.200E+04	3.652E-01	3.204E-16	1.577E-11	4.755E-06	2.880E-17	2.104E-01	6.459E-06	6.053E-05	2.576E-01
2.300E+04	3.937E-01	7.618E-17	5.443E-12	2.453E-06	6.910E-18	1.738E-01	2.319E-06	4.719E-05	2.809E-01
2.400E+04	4.165E-01	1.890E-17	1.671E-12	1.259E-06	1.684E-18	1.379E-01	1.190E-06	3.580E-05	2.993E-01
2.500E+04	4.362E-01	4.661E-18	6.499E-13	6.497E-07	3.452E-19	1.094E-01	6.174E-07	2.687E-05	3.149E-01
2.600E+04	4.579E-01	1.100E-18	2.300E-13	3.395E-07	8.310E-20	8.219E-02	3.219E-07	1.990E-05	3.266E-01
2.700E+04	4.858E-01	3.110E-19	8.442E-14	1.805E-07	2.094E-20	7.048E-02	1.705E-07	1.484E-05	3.346E-01
2.800E+04	5.166E-01	8.577E-20	3.194E-14	4.792E-08	5.935E-21	5.744E-02	9.213E-08	1.170E-05	3.425E-01
2.900E+04	4.734E-01	2.682E-20	1.292E-14	9.424E-08	1.593E-21	4.737E-02	5.091E-08	8.789E-06	3.476E-01
3.000E+04	4.788E-01	7.538E-21	5.083E-15	3.066E-08	4.466E-22	3.954E-02	2.880E-08	4.203E-06	3.513E-01
3.100E+04	4.836E-01	2.397E-21	2.132E-15	1.765E-08	1.356E-22	3.330E-02	1.668E-08	4.773E-06	3.559E-01
3.203E+04	4.886E-01	7.951E-22	9.219E-16	1.032E-08	4.270E-23	2.859E-02	9.886E-09	3.070E-06	3.559E-01
3.300E+04	4.923E-01	2.761E-22	6.008E-16	6.100E-09	1.380E-23	2.459E-02	5.992E-09	2.667E-06	3.562E-01
3.400E+04	4.967E-01	9.771E-23	1.856E-16	3.650E-09	6.604E-24	2.146E-02	3.710E-09	2.228E-06	3.561E-01
3.500E+04	5.012E-01	3.587E-23	8.567E-17	2.125E-09	1.954E-24	1.879E-02	2.344E-09	1.750E-06	3.559E-01
3.600E+04	5.059E-01	1.350E-23	4.013E-17	1.324E-09	9.313E-25	1.662E-02	1.500E-09	1.398E-06	3.559E-01
3.700E+04	5.108E-01	5.192E-24	1.900E-17	8.000E-10	1.827E-25	1.481E-02	9.872E-10	1.121E-06	3.521E-01
3.800E+04	5.156E-01	2.035E-24	9.140E-18	6.839E-10	6.303E-26	1.328E-02	6.594E-10	9.052E-07	3.500E-01
3.900E+04	5.204E-01	6.121E-25	4.408E-18	2.921E-10	2.181E-21	1.197E-02	4.664E-10	7.368E-07	3.477E-01
4.000E+04	5.249E-01	3.296E-25	2.133E-18	1.765E-10	7.572E-21	1.085E-02	3.070E-10	6.042E-07	3.455E-01
4.100E+04	5.290E-01	1.346E-25	1.044E-18	1.047E-10	2.641E-21	9.889E-03	2.140E-10	4.992E-07	3.433E-01
4.200E+04	5.320E-01	5.711E-26	5.299E-19	6.471E-11	9.202E-20	9.040E-03	1.512E-10	4.134E-07	3.412E-01
4.300E+04	5.362E-01	2.441E-26	2.688E-19	3.938E-11	5.294E-20	6.301E-03	1.082E-10	3.481E-07	3.395E-01
4.400E+04	5.392E-01	1.063E-26	1.360E-19	2.400E-11	1.193E-20	7.650E-03	7.634E-11	2.936E-07	3.380E-01
4.500E+04	5.418E-01	4.713E-27	7.019E-20	1.482E-11	4.312E-21	7.073E-03	5.737E-11	2.492E-07	3.366E-01
4.600E+04	5.446E-01	2.130E-27	3.671E-20	9.180E-12	1.590E-20	6.560E-03	4.247E-11	1.827E-07	3.342E-01
4.700E+04	5.463E-01	9.801E-20	1.995E-20	5.729E-12	6.000E-20	6.101E-03	3.175E-11	1.827E-07	3.342E-01
4.800E+04	5.483E-01	4.592E-20	1.046E-20	3.602E-12	2.294E-20	5.689E-03	3.396E-11	1.570E-07	3.331E-01
4.900E+04	5.502E-01	2.189E-20	5.676E-21	2.281E-12	8.932E-21	5.317E-03	1.825E-11	1.366E-07	3.321E-01
5.000E+04	5.520E-01	1.060E-20	3.122E-21	1.454E-12	3.926E-21	4.980E-03	1.401E-11	1.189E-07	3.310E-01

P/P0 = 4.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.116E-01	1.550E-20	6.270E-25	1.677E-20	5.985E-22	2.913E-01	1.369E-18	1.113E-21
6.000E+02	3.	2.691E-01	3.035E-01	6.593E-26	5.490E-26	5.462E-18	5.481E-01	1.068E-18	3.433E-21
7.000E+02	3.	6.943E-02	4.662E-15	1.646E-26	1.446E-21	3.317E-15	6.829E-01	9.07CE-19	8.859E-21
8.000E+02	0.	3.089E-02	1.736E-13	1.327E-21	1.367E-19	9.916E-13	7.700E-01	6.428E-19	2.009E-20
9.000E+02	0.	1.251E-02	2.726E-12	1.346E-19	4.405E-18	1.594E-11	7.400E-01	6.049E-19	3.920E-20
1.000E+03	0.	5.911E-03	2.410E-11	2.770E-17	6.950E-17	3.102E-10	7.450E-01	6.669E-19	4.661E-20
1.100E+03	0.	3.167E-03	1.431E-10	1.620E-15	6.622E-16	3.537E-09	7.476E-01	7.292E-19	1.021E-19
1.200E+03	0.	1.875E-03	6.272E-17	2.369E-14	6.338E-15	2.700E-08	7.490E-01	6.956E-19	1.452E-19
1.300E+03	0.	1.201E-03	2.185E-19	2.130E-15	1.513E-16	1.513E-07	7.491E-01	6.399E-19	1.876E-19
1.400E+03	0.	8.203E-04	4.360E-09	1.371E-12	4.359E-14	6.654E-07	7.494E-01	5.935E-19	2.331E-19
1.500E+03	0.	5.900E-03	1.680E-09	1.545E-09	2.747E-11	2.400E-06	7.496E-01	5.496E-19	2.777E-19
1.600E+03	3.047E-30	4.427E-24	3.604E-08	8.062E-11	7.775E-13	7.436E-06	7.479E-01	5.076E-19	3.200E-19
1.700E+03	4.821E-27	3.661E-04	7.357E-08	3.660E-10	1.950E-12	2.015E-05	7.479E-01	4.686E-19	3.594E-19
1.800E+03	1.264E-24	2.755E-04	1.375E-07	1.260E-09	4.652E-10	4.896E-05	7.490E-01	4.333E-19	3.954E-19
1.900E+03	2.933E-22	2.261E-04	2.448E-07	6.050E-09	9.288E-12	1.005E-04	7.497E-01	4.017E-19	4.282E-19
2.000E+03	3.888E-21	1.895E-04	4.081E-07	1.715E-08	1.814E-11	2.223E-04	7.497E-01	3.801E-19	4.782E-19
2.100E+03	1.362E-18	1.615E-04	6.476E-07	2.962E-08	3.322E-11	6.258E-04	7.498E-01	3.659E-19	4.260E-19
2.200E+03	1.200E-17	1.402E-04	9.855E-07	6.495E-08	5.764E-11	7.695E-04	7.499E-01	3.706E-19	4.217E-19
2.300E+03	6.724E-18	1.231E-04	1.466E-06	1.533E-07	9.553E-11	1.322E-03	7.500E-01	3.104E-17	5.377E-17
2.400E+03	6.742E-18	1.094E-04	2.059E-06	3.146E-07	1.511E-10	2.171E-03	7.500E-01	1.613E-16	3.976E-16
2.500E+03	2.290E-15	9.807E-05	2.835E-06	6.094E-07	2.324E-10	3.629E-03	7.500E-01	7.303E-16	1.573E-16
2.600E+03	9.845E-15	8.465E-05	3.813E-06	1.121E-06	5.229E-03	7.454E-01	3.011E-15	2.006E-15	2.006E-15
2.700E+03	3.040E-03	8.068E-05	5.012E-06	1.971E-06	9.742E-03	7.452E-01	1.008E-16	2.707E-15	2.707E-15
2.800E+03	1.339E-13	7.382E-05	6.451E-06	3.322E-06	6.988E-010	1.111E-02	7.460E-01	9.710E-16	9.711E-16
2.900E+03	6.369E-13	6.783E-05	6.144E-06	5.430E-06	9.556E-010	1.356E-02	7.303E-01	9.706E-16	9.711E-16
3.000E+03	1.301E-12	6.251E-05	1.010E-05	6.501E-06	1.270E-009	2.130E-02	7.313E-01	1.291E-13	9.800E-13
3.100E+03	3.632E-12	5.773E-05	1.232E-05	1.296E-05	1.673E-009	2.855E-02	7.250E-01	8.810E-13	7.705E-12
3.200E+03	9.515E-12	5.336E-05	1.670E-05	1.921E-05	2.168E-009	3.753E-02	7.171E-01	2.217E-12	7.610E-12
3.300E+03	2.352E-11	4.932E-05	1.769E-05	2.775E-05	2.704E-009	4.807E-02	7.075E-01	5.271E-12	1.063E-11
3.400E+03	5.516E-11	4.553E-05	2.03E-05	3.912E-05	3.347E-009	6.155E-02	6.961E-01	1.109E-11	4.433E-11
3.500E+03	1.292E-10	4.196E-05	2.345E-05	5.395E-05	4.070E-009	7.659E-02	6.824E-01	2.557E-11	1.004E-10
3.600E+03	2.632E-10	3.853E-05	2.661E-05	7.282E-05	4.866E-009	9.642E-02	6.649E-01	9.259E-11	2.173E-10
3.700E+03	5.394E-10	3.529E-05	2.900E-05	9.639E-05	5.725E-009	1.152E-01	6.470E-01	1.037E-10	6.500E-10
3.800E+03	1.066E-09	3.211E-05	3.295E-05	1.253E-06	6.624E-009	1.303E-01	6.295E-01	1.940E-10	8.990E-10
3.900E+03	2.025E-09	2.408E-05	3.997E-05	1.599E-06	7.345E-009	1.638E-01	6.045E-01	3.000E-10	1.732E-09
4.000E+03	3.731E-09	2.610E-05	3.870E-05	2.008E-06	8.673E-009	1.919E-01	5.819E-01	6.363E-10	3.225E-09
4.100E+03	6.636E-09	2.341E-05	4.131E-05	2.448E-06	9.364E-009	2.211E-01	5.556E-01	1.004E-09	5.012E-09
4.200E+03	1.150E-08	2.077E-05	4.397E-05	3.023E-06	1.021E-008	2.545E-01	5.218E-01	1.003E-08	1.019E-08
4.300E+03	1.953E-08	1.829E-05	4.520E-05	3.629E-06	1.097E-008	2.889E-01	5.973E-01	2.916E-08	1.737E-08
4.400E+03	3.217E-08	1.598E-05	4.666E-05	4.207E-06	1.162E-008	3.238E-01	6.163E-01	4.576E-08	2.866E-08
4.500E+03	5.117E-08	1.384E-05	4.721E-05	5.024E-06	1.219E-008	3.599E-01	6.345E-01	4.994E-08	4.679E-08
4.600E+03	1.294E-07	1.013E-05	4.749E-05	5.802E-06	1.254E-008	3.905E-01	6.024E-01	1.044E-08	7.415E-08
4.830E+03	1.694E-07	6.500E-06	4.847E-05	7.662E-06	1.289E-008	4.688E-01	5.309E-01	2.167E-08	1.746E-08

TABLE II.- Continued

H-	N	N2	N2*	N*	N-	N**	N***	N****	T
9.673E-05	6.692E-02	8.244E-07	2.053E-06	1.004E-01	2.535E-05	1.491E-05	3.591E-14	0.	2.100E+04
4.287E-05	5.108E-02	3.459E-07	1.265E-06	1.076E-01	1.867E-05	3.402E-05	7.774E-13	0.	2.200E+04
3.137E-05	3.673E-02	1.492E-07	7.698E-07	1.126E-01	1.310E-05	7.262E-05	1.844E-12	0.	2.300E+04
2.247E-05	2.937E-02	6.680E-08	4.679E-07	1.164E-01	9.155E-06	1.464E-06	1.074E-11	0.	2.400E+04
1.592E-05	2.240E-02	2.683E-08	2.066E-07	1.180E-01	6.368E-06	2.000E-06	5.553E-11	0.	2.500E+04
1.125E-05	1.724E-02	1.308E-08	1.773E-07	1.203E-01	4.440E-06	5.144E-06	2.577E-10	0.	2.600E+04
7.945E-06	1.342E-02	6.139E-09	1.115E-07	1.211E-01	3.117E-06	9.054E-06	1.004E-05	0.	2.700E+04
5.715E-06	1.056E-02	2.475E-09	7.109E-08	1.212E-01	2.209E-06	1.935E-03	4.160E-09	0.	2.800E+04
4.141E-06	5.443E-03	1.462E-09	4.596E-08	1.207E-01	1.502E-06	2.510E-03	1.467E-08	0.	2.900E+04
3.046E-06	6.747E-03	7.574E-10	3.003E-08	1.196E-01	1.165E-06	3.967E-03	4.777E-08	0.	3.000E+04
2.275E-06	5.654E-03	3.946E-10	1.974E-08	1.176E-01	8.358E-07	6.062E-03	1.462E-07	0.	3.100E+04
1.729E-06	6.424E-03	2.049E-10	1.302E-08	1.146E-01	6.144E-07	8.950E-03	4.051E-07	0.	3.200E+04
1.330E-06	3.599E-03	1.111E-10	8.559E-09	1.105E-01	4.937E-07	1.230E-02	1.061E-06	0.	3.300E+04
1.053E-06	2.421E-03	5.933E-11	5.747E-09	1.052E-01	3.394E-07	1.766E-02	2.599E-06	0.	3.400E+04
8.441E-07	2.360E-03	3.159E-11	3.584E-09	9.678E-02	2.481E-07	2.355E-02	5.963E-06	4.672E-13	3.500E+04
6.680E-07	1.893E-03	1.667E-11	2.245E-09	9.127E-02	1.827E-07	3.034E-02	1.209E-05	2.139E-12	3.600E+04
5.657E-07	1.306E-03	6.700E-12	1.403E-09	8.298E-02	1.335E-07	3.780E-02	2.610E-05	8.862E-12	3.700E+04
4.707E-07	1.167E-03	4.461E-12	8.515E-10	7.423E-02	9.754E-08	4.562E-02	5.013E-05	3.347E-11	3.800E+04
4.077E-07	9.270E-04	2.270E-12	5.071E-10	6.563E-02	7.050E-08	5.346E-02	9.147E-05	1.161E-10	3.900E+04
3.514E-07	7.177E-04	1.144E-12	2.960E-10	5.690E-02	5.072E-08	6.101E-02	1.393E-04	3.727E-10	4.000E+04
3.003E-07	2.515E-06	5.034E-13	1.710E-10	6.489E-02	3.627E-08	4.800E-02	2.661E-04	1.115E-09	4.100E+04
2.695E-07	4.215E-06	2.016E-13	9.751E-11	6.164E-02	2.583E-08	7.624E-02	4.200E-04	3.129E-09	4.200E+04
2.392E-07	3.208E-06	1.308E-13	5.521E-11	6.032E-02	1.835E-08	7.946E-02	6.659E-04	8.287E-09	4.300E+04
2.140E-07	2.436E-06	6.846E-14	3.114E-11	2.970E-02	1.303E-08	8.426E-02	1.006E-03	2.087E-08	4.400E+04
1.927E-07	1.848E-06	3.304E-14	1.795E-11	2.492E-02	9.256E-09	8.796E-02	1.479E-03	4.989E-08	4.500E+04
1.746E-07	1.402E-06	1.601E-14	9.920E-12	2.007E-02	4.588E-09	9.082E-02	2.122E-03	1.144E-07	4.600E+04
1.591E-07	1.066E-06	8.435E-15	5.670E-12	1.767E-02	6.697E-09	9.288E-02	2.979E-03	2.514E-07	4.700E+04
1.456E-07	6.059E-05	4.231E-15	3.100E-12	1.566E-02	3.346E-09	9.415E-02	6.097E-03	5.327E-07	4.800E+04
1.339E-07	6.162E-05	2.162E-15	1.612E-12	1.223E-02	2.611E-09	9.667E-02	5.524E-03	1.088E-06	4.900E+04
1.236E-07	4.698E-05	1.093E-15	1.036E-12	1.019E-02	1.733E-09	9.444E-02	7.916E-03	2.146E-06	5.000E+04

P/PD = 4.00E+01

H-	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	J.	9.710E-02	6.521E-21	0.	0.	0.	0.	0.	9.000E+02
0.	0.	1.427E-01	9.198E-21	0.	0.	0.	0.	0.	9.000E+02
0.	0.	2.276E-01	1.186E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.411E-29	2.623E-01	1.501E-20	0.	0.	0.	0.	0.	8.000E+02
0.	6.626E-26	2.669E-01	1.817E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.345E-25	2.465E-01	2.049E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.304E-21	2.492E-01	2.298E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.327E-19	2.495E-01	2.337E-20	9.079E-34	0.	0.	0.	0.	1.200E+03
0.	1.321E-17	2.497E-01	2.511E-20	1.654E-32	0.	0.	0.	0.	1.300E+03
0.	3.107E-16	2.498E-01	2.530E-20	2.048E-31	0.	0.	0.	0.	1.400E+03
0.	6.806E-16	2.499E-01	2.508E-20	1.752E-30	0.	0.	0.	0.	1.500E+03
0.	5.208E-16	2.499E-01	2.496E-20	1.322E-29	0.	0.	0.	0.	1.600E+03
0.	3.636E-15	2.499E-01	2.389E-20	5.821E-29	0.	0.	0.	0.	1.700E+03
1.653E-27	2.089E-12	2.499E-01	2.303E-20	2.674E-28	0.	0.	0.	0.	1.800E+03
5.077E-17	1.580E-11	2.499E-01	2.216E-20	8.974E-28	0.	0.	0.	0.	1.900E+03
1.116E-22	7.120E-11	2.495E-01	2.224E-20	2.974E-27	8.323E-31	0.	0.	0.	2.000E+03
5.403E-21	2.815E-13	2.493E-01	5.317E-20	2.096E-26	1.064E-29	0.	0.	0.	2.100E+03
6.813E-20	9.824E-10	2.659E-01	3.172E-19	3.343E-25	3.205E-27	0.	0.	0.	2.200E+03
5.842E-19	3.370E-19	2.498E-01	1.914E-18	4.950E-24	4.790E-26	0.	0.	0.	2.300E+03
4.101E-18	6.177E-17	2.477E-01	1.016E-17	5.966E-23	9.278E-25	0.	0.	0.	2.400E+03
2.453E-17	2.302E-16	2.495E-01	4.761E-17	5.958E-22	3.098E-23	0.	0.	0.	2.500E+03
1.277E-16	5.606E-08	2.473E-01	1.966E-17	6.979E-17	1.073E-22	0.	0.	0.	2.600E+03
5.871E-16	1.279E-16	2.490E-01	7.374E-16	3.562E-20	8.469E-22	0.	0.	0.	2.700E+03
2.617E-15	2.749E-07	2.486E-01	2.517E-15	2.128E-19	6.267E-21	0.	0.	0.	2.800E+03
9.011E-15	5.606E-07	2.481E-01	7.903E-15	1.219E-18	3.072E-20	0.	0.	0.	2.900E+03
3.070E-14	1.091E-16	2.473E-01	2.303E-14	5.989E-18	2.113E-19	0.	0.	0.	3.000E+03
6.639E-14	2.031E-16	2.464E-01	4.271E-14	2.659E-17	1.034E-18	0.	0.	0.	3.100E+03
2.810E-13	3.661E-16	2.453E-01	1.636E-13	1.077E-16	4.563E-18	0.	0.	0.	3.200E+03
7.651E-13	6.295E-06	2.439E-01	3.891E-13	6.016E-16	1.633E-17	0.	0.	0.	3.300E+03
1.957E-12	1.353E-05	2.423E-01	8.956E-13	1.307E-15	6.804E-17	0.	0.	0.	3.400E+03
6.727E-12	1.710E-05	2.403E-01	1.966E-12	6.972E-15	2.333E-16	0.	0.	0.	3.500E+03
1.083E-11	2.701E-05	2.381E-01	4.142E-12	1.353E-14	7.664E-16	0.	0.	0.	3.600E+03
2.730E-11	6.100E-05	2.355E-01	8.380E-12	3.659E-14	2.224E-15	0.	0.	0.	3.700E+03
6.911E-11	6.256E-05	2.326E-01	1.635E-11	1.043E-13	6.259E-15	0.	0.	0.	3.800E+03
0.792E-11	6.236E-05	2.296E-01	3.046E-11	2.646E-13	1.662E-14	0.	0.	0.	3.900E+03
1.875E-10	1.328E-06	2.259E-01	5.646E-11	6.357E-13	6.193E-14	0.	0.	0.	4.000E+03
3.459E-10	1.879E-06	2.220E-01	1.003E-10	1.554E-12	1.007E-13	0.	0.	0.	4.100E+03
6.155E-10	2.613E-06	2.179E-01	1.737E-10	3.521E-12	2.313E-13	0.	0.	0.	4.200E+03
1.059E-09	3.575E-14	2.135E-01	2.933E-10	7.693E-12	5.390E-13	0.	0.	0.	4.300E+03
1.766E-09	6.610E-06	2.090E-01	8.843E-10	1.625E-11	1.077E-12	0.	0.	0.	4.400E+03
2.057E-09	6.433E-06	2.363E-01	7.626E-10	3.326E-11	2.194E-12	0.	0.	0.	4.500E+03
6.494E-09	8.398E-06	1.946E-01	1.241E-09	6.614E-11	4.320E-12	0.	0.	0.	4.600E+03
6.883E-09	1.068E-03	1.943E-01	1.932E-09	1.203E-10	8.293E-12	0.	0.	0.	4.700E+03
1.028E-08	1.374E-03	1.901E-01	2.958E-09	2.415E-10	1.522E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

I	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
4.900E+03	2.869E-07	7.178E-06	4.932E-05	8.366E-04	1.289E-03	5.034E-01	3.082E-01	3.024E-00	2.600E-07
5.000E+03	4.094E-07	5.976E-06	4.382E-05	9.257E-04	1.269E-03	5.370E-01	2.760E-01	4.123E-00	5.020E-07
5.200E+03	8.286E-07	4.064E-06	4.000E-05	1.109E-03	1.204E-03	5.902E-01	2.247E-01	7.390E-00	7.709E-07
5.400E+03	1.584E-06	2.710E-06	3.957E-05	1.286E-03	1.114E-03	6.900E-01	1.782E-01	1.217E-00	1.500E-06
5.600E+03	2.978E-06	1.783E-06	3.100E-05	1.461E-03	1.006E-03	6.935E-01	1.390E-01	1.910E-00	2.735E-06
5.800E+03	5.001E-06	1.164E-06	2.662E-05	1.625E-03	8.932E-03	7.271E-01	1.007E-01	2.050E-00	4.700E-06
6.000E+03	8.359E-06	7.617E-07	2.263E-05	1.777E-03	7.835E-03	7.934E-01	6.435E-02	4.104E-00	7.947E-06
6.200E+03	1.350E-05	4.794E-07	1.911E-05	1.910E-03	8.015E-03	7.729E-01	6.952E-02	5.099E-00	1.274E-05
6.400E+03	2.115E-05	1.293E-07	1.607E-05	2.040E-03	8.080E-03	7.044E-01	5.107E-02	7.040E-00	1.902E-05
6.600E+03	3.224E-05	2.180E-07	1.340E-05	2.149E-03	5.030E-03	7.059E-01	4.301E-02	1.000E-00	3.013E-05
6.800E+03	6.798E-05	1.466E-07	1.120E-05	2.239E-03	4.287E-03	6.016E-01	3.194E-02	1.297E-00	4.437E-05
7.000E+03	9.986E-05	9.898E-06	9.426E-04	2.310E-03	3.615E-03	6.046E-01	2.504E-02	1.634E-00	3.370E-05
7.200E+03	9.973E-05	6.733E-06	7.856E-04	2.359E-03	3.030E-03	6.050E-01	2.002E-02	2.024E-00	8.900E-05
7.400E+03	1.339E-04	6.410E-06	6.533E-04	2.380E-03	2.513E-03	6.030E-01	1.612E-02	2.440E-00	1.230E-04
7.600E+03	1.929E-04	3.175E-06	5.417E-04	2.306E-03	2.062E-03	6.007E-01	1.304E-02	2.069E-00	1.677E-04
7.800E+03	2.626E-04	2.198E-06	4.478E-04	2.362E-03	1.673E-03	7.960E-01	1.069E-02	3.520E-00	2.226E-04
8.000E+03	3.509E-04	1.529E-06	3.690E-04	2.317E-03	1.361E-03	7.921E-01	8.797E-03	4.147E-00	2.917E-04
8.200E+03	4.638E-04	1.068E-06	3.030E-04	2.249E-03	1.062E-03	7.969E-01	7.294E-03	4.030E-00	3.773E-04
8.400E+03	6.059E-04	7.946E-05	2.681E-04	2.182E-03	8.311E-10	7.810E-01	6.079E-03	9.503E-00	6.819E-04
8.600E+03	7.812E-04	5.285E-05	2.027E-04	2.061E-03	6.433E-10	7.763E-01	5.133E-03	6.409E-00	6.009E-04
8.800E+03	9.968E-04	3.745E-05	1.653E-04	1.940E-03	4.931E-10	7.717E-01	4.355E-03	7.310E-00	7.610E-04
9.000E+03	1.275E-03	2.670E-05	1.346E-04	1.829E-03	3.750E-10	7.667E-01	3.723E-03	8.316E-00	8.449E-04
9.200E+03	1.571E-03	1.915E-05	1.097E-04	1.707E-03	2.039E-10	7.626E-01	3.205E-03	9.413E-00	1.162E-03
9.400E+03	1.950E-03	1.384E-05	8.946E-05	1.598E-03	2.139E-10	7.589E-01	2.779E-03	1.001E-00	1.419E-03
9.600E+03	2.394E-03	1.007E-05	7.309E-05	1.471E-03	1.685E-10	7.557E-01	2.244E-03	1.103E-00	1.720E-03
9.800E+03	2.916E-03	7.386E-05	5.986E-05	1.359E-03	1.207E-10	7.529E-01	1.720E-03	1.334E-00	2.071E-03
1.000E+04	3.524E-03	5.480E-05	4.910E-05	1.255E-03	9.066E-11	7.502E-01	1.079E-03	1.492E-00	2.479E-03
1.100E+04	4.205E-03	3.354E-05	1.956E-05	8.000E-04	2.324E-10	7.394E-01	1.074E-03	2.442E-00	5.931E-03
1.200E+04	6.644E-02	3.965E-11	8.629E-08	5.749E-04	6.700E-12	7.264E-01	6.633E-04	3.752E-00	1.110E-02
1.300E+04	3.025E-02	1.307E-11	3.905E-08	6.009E-04	2.134E-12	7.104E-01	4.294E-04	5.303E-00	1.904E-02
1.400E+04	5.026E-02	4.625E-12	1.879E-08	2.812E-04	7.245E-13	6.790E-01	2.840E-04	4.971E-00	3.293E-02
1.500E+04	7.763E-02	1.684E-12	9.127E-09	1.952E-04	2.649E-13	6.009E-01	1.805E-04	8.620E-00	5.600E-02
1.600E+04	1.113E-01	6.090E-13	4.367E-09	1.323E-04	8.516E-14	5.925E-01	1.230E-04	9.950E-00	7.333E-02
1.700E+04	1.520E-01	2.129E-13	2.017E-09	8.655E-05	2.702E-14	5.395E-01	1.079E-04	1.079E-00	1.009E-01
1.800E+04	1.963E-01	7.050E-14	8.884E-10	5.141E-05	9.537E-15	4.714E-01	4.920E-05	1.094E-00	1.311E-01
1.900E+04	2.419E-01	2.193E-14	3.679E-10	3.230E-05	2.432E-15	4.047E-01	2.934E-05	1.062E-00	1.630E-01
2.000E+04	2.861E-01	6.157E-15	1.439E-10	1.830E-05	6.629E-16	3.391E-01	1.681E-05	9.370E-00	1.911E-01
2.100E+04	3.263E-01	1.649E-15	9.346E-11	1.004E-05	1.592E-16	2.702E-01	9.272E-06	7.935E-00	2.260E-01
2.200E+04	3.612E-01	4.201E-16	1.910E-11	5.319E-06	3.771E-17	2.246E-01	4.926E-06	6.469E-00	2.593E-01
2.300E+04	3.932E-01	1.061E-16	4.9E-12	2.766E-06	8.714E-18	1.794E-01	2.601E-06	5.073E-00	2.770E-01
2.400E+04	4.134E-01	2.557E-17	2.315E-12	1.629E-06	2.012E-18	1.427E-01	1.350E-06	3.870E-00	2.922E-01
2.500E+04	4.316E-01	6.358E-18	1.099E-13	7.414E-07	5.731E-19	1.137E-01	7.012E-07	2.917E-00	3.124E-01
2.600E+04	4.575E-01	1.629E-18	2.099E-13	3.890E-07	1.150E-19	9.102E-02	3.673E-07	2.177E-00	3.247E-01
2.700E+04	4.956E-01	4.312E-19	1.066E-13	2.070E-07	2.910E-20	7.352E-02	1.953E-07	1.021E-00	3.340E-01
2.800E+04	5.452E-01	1.196E-15	4.052E-14	1.129E-07	7.704E-21	6.002E-02	1.059E-07	1.211E-00	3.611E-01
2.900E+04	5.920E-01	3.648E-20	1.594E-14	6.271E-08	2.161E-21	4.950E-02	5.864E-08	9.979E-00	3.464E-01
3.000E+04	6.777E-01	1.061E-20	6.491E-15	3.592E-08	6.310E-22	4.140E-02	3.324E-08	6.894E-00	3.904E-01
3.100E+04	8.425E-01	3.386E-21	2.731E-15	2.046E-08	1.924E-22	3.649E-02	1.920E-08	9.753E-00	3.931E-01
3.200E+04	6.470E-01	1.277E-21	1.180E-15	1.200E-08	6.084E-23	2.988E-02	1.144E-08	6.044E-00	3.940E-01
3.300E+04	6.191E-01	3.099E-22	5.204E-16	7.124E-09	1.958E-23	5.570E-02	9.942E-09	3.100E-00	3.557E-01
3.400E+04	4.957E-01	1.395E-22	2.392E-16	6.269E-09	6.679E-24	2.266E-02	6.302E-09	2.450E-00	3.500E-01
3.500E+04	5.026E-01	5.139E-23	1.111E-16	2.574E-09	2.252E-24	1.973E-02	2.720E-09	1.042E-00	3.551E-01
3.600E+04	5.069E-01	1.962E-23	5.126E-17	1.550E-09	7.766E-25	1.740E-02	1.752E-09	1.345E-00	3.599E-01
3.700E+04	5.097E-01	7.099E-24	2.490E-17	9.649E-10	6.682E-25	1.556E-02	1.149E-09	1.239E-00	3.521E-01
3.800E+04	5.168E-01	2.952E-24	1.194E-17	5.731E-10	9.324E-26	1.395E-02	7.664E-10	1.002E-00	3.501E-01
3.900E+04	5.193E-01	1.103E-24	5.010E-10	3.755E-10	3.251E-26	1.250E-02	5.193E-10	8.155E-00	2.470E-01
4.000E+04	5.239E-01	6.020E-25	2.659E-10	2.030E-10	1.137E-26	1.141E-02	3.571E-10	6.000E-00	3.457E-01
4.100E+04	5.281E-01	1.097E-25	1.412E-10	1.270E-10	3.995E-27	1.039E-02	2.400E-10	5.520E-00	3.439E-01
4.200E+04	5.319E-01	6.514E-26	7.054E-10	7.702E-11	1.413E-27	9.504E-03	1.760E-10	4.800E-00	3.615E-01
4.300E+04	5.354E-01	3.608E-26	3.536E-10	6.750E-11	5.054E-27	8.729E-03	1.250E-10	3.055E-00	3.397E-01
4.400E+04	5.394E-01	1.575E-26	1.821E-10	2.913E-11	1.822E-27	6.045E-03	9.121E-11	3.252E-00	3.301E-01
4.500E+04	5.411E-01	7.055E-27	9.623E-10	1.797E-11	6.676E-28	7.639E-03	6.681E-11	7.701E-00	3.367E-01
4.600E+04	5.436E-01	3.172E-27	6.939E-10	1.130E-11	2.601E-29	6.900E-03	6.945E-11	2.357E-00	3.354E-01
4.700E+04	5.455E-01	1.663E-27	2.623E-10	6.976E-12	3.747E-29	6.616E-03	3.695E-11	2.024E-00	3.363E-01
4.800E+04	5.477E-01	6.869E-28	1.611E-10	6.396E-12	3.946E-30	5.985E-03	2.701E-11	1.704E-00	3.322E-01
4.900E+04	5.497E-01	3.200E-28	7.601E-10	2.707E-12	1.404E-10	5.946E-03	2.122E-11	1.513E-00	3.322E-01
5.000E+04	5.513E-01	1.592E-28	4.232E-10	1.780E-12	5.563E-11	5.240E-03	1.632E-11	1.317E-00	3.311E-01

$$P/P_0 = 4.206 \cdot 10^1$$

I	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
4.000E+02	0.	6.120E-01	1.564E-20	6.100E-35	1.090E-20	5.700E-22	2.050E-01	1.371E-10	1.101E-01
4.000E+02	0.	2.767E-01	3.061E-17	6.514E-29	2.560E-26	5.283E-18	5.624E-01	1.079E-10	3.394E-21
4.000E+02	0.	9.312E-02	6.779E-15	1.030E-20	1.504E-21	3.720E-15	6.007E-01	5.103E-10	8.946E-21
4.000E+02	0.	3.234E-02	1.775E-13	3.252E-21	1.631E-19	3.019E-13	3.611E-01	7.257E-10	1.964E-20
4.000E+02	0.	1.312E-02	2.709E-12	3.364E-19	6.620E-18	1.555E-11	7.662E-01	9.602E-10	8.002E-20
4.000E+02	0.	6.500E-03							

TABLE II.- Continued

H-	N-	N2-	N2+	N-	N+	N++	N+++	N++++	V
1.499E+08	1.767E-03	1.859E-01	4.460E-09	4.450E-10	2.749F-11	0.	0.	0.	4.000E+03
2.138E-08	2.219E-03	1.610E-01	6.629E-09	8.020E-10	9.815E-11	0.	0.	0.	5.000E+03
4.099E+08	3.407E-03	1.725E-01	1.409E-08	2.451E-09	1.375E-10	0.	0.	0.	5.200E+03
7.271E-08	5.368E-03	1.649E-01	2.657E-09	6.957E-09	3.598E-10	0.	0.	0.	5.400E+03
1.214E-07	7.334E-03	1.580E-01	5.558E-08	1.846E-08	8.77CE-10	0.	0.	0.	5.600E+03
1.723E-07	1.035E-02	1.51nE-01	1.340E-07	4.617E-08	1.980E-09	0.	0.	0.	5.800E+03
2.409E-07	1.620E-02	1.660E-01	1.675E-07	1.091E-07	6.230E-09	5.382E-26	0.	0.	6.000E+03
4.237E-07	1.929E-02	1.634E-01	3.261E-07	2.465E-07	8.561E-09	5.192E-25	0.	0.	6.200E+03
5.913E-07	2.552E-02	1.347E-01	5.767E-07	5.217E-07	1.650E-08	4.267E-24	0.	0.	6.400E+03
8.180E-07	3.313E-02	1.247E-01	8.891E-07	1.062E-06	3.061E-08	3.124E-23	0.	0.	6.600E+03
1.059E-07	4.219E-02	1.223E-01	1.391E-06	2.070E-06	5.373E-08	2.033E-22	0.	0.	6.800E+03
1.433E-06	5.227E-02	1.153E-01	2.100E-06	3.618E-06	9.141E-08	1.185E-21	0.	0.	7.000E+03
1.648E-06	6.681E-02	1.076E-01	3.080E-06	6.945E-06	1.639E-07	6.239E-21	0.	0.	7.200E+03
2.338E-06	7.620E-02	9.962E-02	4.354E-06	1.203E-05	2.975E-07	2.488E-20	0.	0.	7.400E+03
2.715E-06	9.127E-02	9.368E-02	5.950E-06	2.000E-05	3.648E-07	1.304E-19	0.	0.	7.600E+03
3.568E-06	1.038E-01	8.150E-02	7.681E-06	3.220E-06	9.411E-07	5.242E-19	0.	0.	7.800E+03
4.359E-06	1.223E-01	7.229E-02	1.035E-05	5.013E-05	7.802E-07	.940E-18	0.	0.	8.000E+03
5.240E-06	1.395E-01	6.310E-02	1.246E-05	7.564E-05	1.093E-05	6.675E-18	0.	0.	8.200E+03
6.210E-06	1.597E-01	5.423E-02	1.452E-05	1.108E-04	1.690E-06	2.1. 7E-17	0.	0.	8.400E+03
7.359E-06	1.649E-01	4.592E-02	1.713E-05	1.578E-04	1.979E-06	6.5. 1E-17	0.	0.	8.600E+03
8.649E-06	1.682E-01	3.837E-02	1.971E-05	2.191E-04	2.507E-06	1.887E-16	0.	0.	8.800E+03
9.956E-06	1.635E-01	3.164E-02	2.180E-05	2.970E-04	3.254E-06	9.036E-16	0.	0.	9.000E+03
1.152E-05	2.035E-01	2.564E-02	2.380E-05	3.942E-04	4.063E-05	1.291E-15	0.	0.	9.200E+03
1.319E-05	2.111E-01	2.393E-02	2.507E-05	5.132E-04	4.932E-05	3.162E-15	0.	0.	9.400E+03
1.531E-05	2.187E-01	1.687E-01	2.621E-05	6.568E-04	5.920E-05	7.617E-15	0.	0.	9.600E+03
1.6991E-05	2.292E-01	1.355E-01	2.705E-05	8.289E-04	7.006E-05	1.073E-14	0.	0.	9.800E+03
1.7411E-05	2.284E-01	1.086E-01	1.783E-05	1.012E-03	1.142E-05	3.662E-14	0.	0.	1.000E+04
3.195E-05	2.305E-01	1.682E-01	2.785E-05	2.423E-03	1.541E-05	1.133E-12	0.	0.	1.100E+04
4.742E-05	2.176E-01	1.361E-01	2.554E-05	5.557E-03	2.644E-04	1.760E-11	0.	0.	1.200E+04
6.580E-05	2.139E-01	5.577E-02	2.320E-05	1.034E-02	3.647E-11	2.184E-10	0.	0.	1.300E+04
8.280E-05	2.179E-01	2.436E-02	1.023E-05	1.731E-02	4.643E-05	1.730E-04	1.460E+04	0.	0.
9.657E-05	2.035E-01	1.294E-01	1.696E-05	2.693E-02	5.232E-05	1.750E-02	1.147E-21	0.	0.
1.023E-05	1.937E-01	5.077E-05	1.307E-05	3.640E-02	5.608E-05	5.078E-02	4.650E-20	0.	0.
1.076E-05	1.683E-01	2.359E-05	1.067E-05	5.153E-02	5.580E-05	2.042E-07	1.21AE-18	0.	0.
1.020E-05	1.354E-01	1.082E-05	7.551E-06	6.452E-02	5.143E-05	7.724E-07	2.277E-17	0.	0.
4.976E-05	1.111E-01	4.848E-05	5.264E-06	7.433E-02	4.613E-05	2.127E-06	3.214E-16	0.	0.
7.640E-05	6.651E-05	2.132E-06	3.465E-06	8.946E-02	3.595E-05	5.762E-06	3.600E-15	0.	0.
8.630E-05	6.490E-02	6.155E-07	2.210E-06	9.496E-02	2.712E-04	1.642E-05	3.267E-14	0.	0.
6.550E-05	5.262L-02	3.934E-07	1.367E-06	1.060E-01	1.998E-05	3.245E-05	2.561E-13	0.	0.
3.371E-05	6.019E-02	1.692E-07	1.327E-06	1.172E-01	1.618E-05	6.525E-05	1.888E-12	0.	0.
2.652E-05	3.257E-02	7.170E-07	5.120E-06	1.155E-01	9.959E-06	1.396E-06	9.801E-12	0.	0.
1.731E-05	2.622E-02	3.242E-08	3.117E-07	1.145E-01	6.953E-06	2.675E-06	5.054E-11	0.	0.
1.277E-05	1.643E-02	1.593E-08	1.946E-07	1.201E-01	4.603E-06	4.602E-06	3.365E-10	0.	0.
8.732E-06	1.630E-02	7.004E-03	1.227E-07	1.209E-01	3.422E-06	8.627E-06	4.651E-10	0.	0.
6.206E-05	1.633E-02	3.446E-05	7.885E-08	1.212E-01	2.643E-06	1.9662E-03	3.779E-10	0.	0.
6.559E-06	1.624E-03	1.721E-05	5.081E-08	1.209E-01	1.744E-06	2.193E-03	1.337E-09	0.	0.
3.347E-05	7.31E-03	6.461E-13	1.977E-08	1.197E-01	1.264E-06	7.783E-03	3.338E-09	0.	0.
2.503E-06	5.652E-03	4.632E-13	2.196E-08	1.170E-01	5.290E-07	5.765E-03	1.310E-07	0.	0.
1.905E-06	4.653E-03	2.615E-13	1.642E-08	1.153E-01	8.804E-07	8.455E-03	3.8AE-07	0.	0.
1.476E-06	3.825E-03	1.306E-03	9.530E-09	1.111E-01	5.013E-07	5.225E-03	9.865E-07	0.	0.
1.161E-06	3.024E-03	6.359E-11	6.2ME-09	1.060E-01	3.712E-07	1.646E-02	2.377E-09	0.	0.
6.111E-07	2.574E-03	3.766E-11	4.634E-09	6.979E-02	2.766E-07	2.626E-02	5.458E-10	4.071E-13	3.500E+04
7.551E-07	2.315E-03	1.998E-11	2.571E-09	4.246E-02	2.065E-07	2.626E-02	1.180E-05	1.864E-12	3.800E+04
6.287E-07	1.630E-03	1.345E-11	1.67E-09	4.635E-02	1.530E-07	1.655E-02	2.604E-05	7.771E-12	3.700E+04
5.286E-07	1.272E-03	9.611E-12	4.804E-10	7.573E-02	1.094E-07	6.630E-02	4.633E-05	2.945E-11	3.800E+04
4.501E-07	1.173E-03	7.77E-12	5.476E-10	6.657E-02	7.973E-07	5.221E-02	6.648E-05	1.025E-10	3.900E+04
3.814E-07	1.076E-03	5.69E-12	5.962E-11	5.885E-02	5.754E-08	5.163E-02	4.583E-05	3.301E-10	4.000E+04
3.303E-07	5.774E-04	2.613E-12	5.062E-11	4.061E-02	4.121E-08	4.673E-02	2.844E-05	1.935E-10	4.100E+04
2.477E-07	6.574E-04	1.591E-12	2.030E-11	4.061E-02	2.965E-08	5.06E-02	4.007E-06	2.787E-05	4.200E+04
2.066E-07	6.245E-04	1.545E-12	1.155E-10	6.311E-02	4.212E-08	7.6361E-02	6.255E-06	3.600E-05	4.300E+04
2.360E-07	7.004E-04	1.631E-12	6.77E-11	3.030E-02	1.647E-08	6.331E-02	9.655E-06	1.864E-05	4.400E+04
2.131E-07	6.773E-04	2.013E-12	2.012E-11	2.557E-02	1.064E-08	6.711E-02	1.744E-05	6.473E-05	4.500E+04
1.931E-07	1.139E-04	2.153E-12	1.156E-11	2.179E-02	7.610E-09	9.017E-02	2.041E-05	1.027E-07	4.600E+04
1.703E-07	1.171E-04	1.617E-12	6.787E-12	1.404E-02	5.432E-09	4.237E-02	2.614E-05	2.263E-07	4.700E+04
1.611E-07	1.161E-05	1.649E-12	3.683E-12	1.572E-02	5.843E-09	9.380E-02	1.862E-05	4.794E-07	4.800E+04
1.666E-07	6.601E-05	2.747E-12	2.120E-12	1.740E-02	1.747E-09	5.667E-02	5.244E-05	6.411E-07	4.900E+04
1.368E-07	5.154E-05	1.672E-12	1.262E-12	1.671E-02	5.231E-09	6.944E-02	1.433E-05	5.209E-04	5.000E+04

V/F0 = -0.20E+01

H-	N-	N2-	N2+	N-	N+	N++	N+++	N++++	V
0.	3.	9.531E-02	8.540E-21	3.	0.	0.	0.	0.	5.000E+02
0.	3.	1.000E-01	9.256E-21	3.	0.	0.	0.	0.	6.000E+02
0.	3.	2.267E-01	1.145E-21	3.	0.	0.	0.	0.	7.000E+02
0.	3.370E-24	2.613E-01	1.530E-21	3.	0.	0.	0.	0.	8.000E+02
0.	3.226E-26	7.610E-01	1.620E-21	0.	0.	0.	0.	0.	9.000E+02
3.	2.226E-21	2.648E-01	2.655E-21	0.	0.	0.	0.	0.	1.000E+03
0.	3.222E-21	2.655E-01	2.630E-21	0.	0.	0.	0.	0.	1.100E+03
0.	3.267E-19	2.649E-01	2.649E-21	0.	0.	0.	0.	0.	1.200E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	NH2-2	H	H2	H2+	H+
1.300E+03	0.	1.261E-03	2.239E-09	2.634E-13	2.236E-14	1.977E-07	7.991E-01	6.433E-19	1.841E-19
1.400E+03	0.	8.613E-04	6.517E-09	2.331E-12	8.776E-14	6.693E-07	7.494E-01	5.975E-19	2.290E-19
1.500E+03	0.	6.194E-04	1.544E-08	1.543E-11	2.879E-13	2.350E-06	7.495E-01	5.937E-19	2.731E-19
1.600E+03	2.876E-30	4.648E-04	3.693E-08	8.062E-08	8.163E-13	7.256E-06	7.496E-01	5.120E-19	3.152E-19
1.700E+03	2.659E-27	3.613E-04	7.540E-08	3.468E-10	2.054E-12	1.966E-05	7.497E-01	4.734E-19	3.544E-19
1.800E+03	1.172E-24	2.893E-04	1.422E-07	2.269E-07	4.674E-12	4.778E-05	7.497E-01	4.383E-19	3.903E-19
1.900E+03	2.759E-22	2.374E-04	2.509E-07	4.050E-09	9.752E-12	1.059E-04	7.497E-01	4.066E-19	4.230E-19
2.000E+03	3.657E-20	1.999E-04	4.181E-07	1.511E-08	1.905E-11	2.169E-04	7.497E-01	3.962E-19	4.716E-19
2.100E+03	1.310E-18	1.699E-04	6.638E-07	2.962E-08	3.688E-11	4.156E-04	7.495E-01	8.969E-19	1.210E-18
2.200E+03	1.427E-17	1.472E-04	1.010E-06	6.996E-08	6.055E-11	7.510E-04	7.492E-01	5.102E-18	7.091E-18
2.300E+03	6.259E-17	1.293E-04	1.622E-06	5.533E-07	1.003E-10	1.290E-03	7.488E-01	3.053E-17	5.161E-17
2.400E+03	6.591E-16	1.148E-04	2.105E-06	3.146E-07	1.595E-10	2.119E-03	7.481E-01	1.587E-16	2.953E-16
2.500E+03	2.225E-15	1.030E-04	2.905E-06	6.094E-07	2.455E-10	3.347E-03	7.470E-01	7.264E-16	1.577E-15
2.600E+03	9.567E-15	9.311E-05	3.908E-06	1.122E-06	3.228E-10	5.103E-03	7.455E-01	2.963E-15	6.933E-15
2.700E+03	3.701E-14	8.474E-05	5.137E-06	1.972E-06	5.227E-10	7.543E-03	7.433E-01	1.091E-14	2.599E-14
2.800E+03	1.302E-13	7.757E-05	6.612E-06	3.327E-06	7.332E-10	1.084E-02	7.405E-01	3.661E-14	9.350E-14
2.900E+03	4.207E-13	7.127E-05	8.349E-06	5.409E-06	1.004E-09	1.519E-02	7.366E-01	1.131E-13	3.087E-13
3.000E+03	1.259E-13	6.571E-05	1.036E-05	8.505E-06	1.343E-09	2.079E-02	7.317E-01	3.242E-13	9.421E-13
3.100E+03	3.512E-12	6.070E-05	1.263E-05	1.297E-05	1.759E-09	2.787E-02	7.255E-01	8.684E-13	2.678E-12
3.200E+03	9.200E-12	5.613E-05	1.517E-05	2.025E-05	2.259E-09	3.665E-02	7.179E-01	2.106E-12	7.134E-12
3.300E+03	2.274E-11	5.191E-05	1.755E-05	2.777E-05	2.847E-09	4.733E-02	7.085E-01	5.199E-12	1.792E-11
3.400E+03	5.333E-11	4.795E-05	2.094E-05	3.917E-05	5.524E-09	6.012E-02	6.973E-01	1.174E-11	4.265E-11
3.500E+03	1.191E-10	4.421E-05	2.641E-05	4.287E-05	7.518E-09	6.041E-01	2.525E-11	9.662E-11	
3.600E+03	2.545E-10	4.065E-05	2.736E-05	7.296E-05	12.92E-09	9.267E-02	6.688E-01	5.195E-11	2.092E-10
3.700E+03	5.215E-10	3.723E-05	3.067E-05	9.663E-05	6.036E-09	1.127E-01	6.513E-01	1.025E-10	4.341E-10
3.800E+03	1.029E-09	3.345E-05	3.394E-05	1.256E-04	6.946E-09	1.352E-01	6.316E-01	1.946E-10	8.667E-10
3.900E+03	1.959E-09	3.086E-05	3.709E-05	1.605E-04	7.982E-09	6.036E-01	6.096E-01	3.563E-10	1.667E-09
4.000E+03	3.608E-09	2.777E-05	4.003E-05	2.017E-04	8.971E-09	1.878E-01	5.855E-01	6.304E-10	3.108E-09
4.100E+03	6.466E-09	2.487E-05	4.269E-05	2.495E-04	9.933E-09	2.176E-01	5.594E-01	1.080E-09	5.609E-09
4.200E+03	1.119E-08	2.212E-05	4.498E-05	3.046E-04	1.084E-08	2.994E-01	5.315E-01	1.795E-09	9.031E-09
4.300E+03	1.890E-08	1.952E-05	4.685E-05	3.653E-04	1.676E-08	2.829E-01	5.021E-01	2.899E-09	1.676E-08
4.400E+03	3.114E-08	1.710E-05	4.823E-05	4.330E-04	2.238E-08	3.177E-01	4.715E-01	4.552E-09	2.786E-08
4.500E+03	5.011E-08	1.485E-05	4.910E-05	5.066E-04	2.978E-08	3.535E-01	4.402E-01	6.965E-09	4.519E-08
4.600E+03	7.885E-08	1.279E-05	4.944E-05	5.857E-04	3.341E-08	3.897E-01	4.083E-01	1.041E-08	7.166E-08
4.700E+03	1.215E-07	1.093E-05	4.927E-05	6.694E-04	3.717E-08	4.259E-01	3.765E-01	1.517E-08	1.112E-07
4.800E+03	1.836E-07	9.259E-06	4.861E-05	7.568E-04	5.395E-08	4.617E-01	3.451E-01	2.168E-08	1.691F-07
4.900E+03	2.724E-07	7.870E-06	4.750E-05	8.471E-04	1.384E-08	4.964E-01	3.145E-01	3.029E-08	2.524E-07
5.000E+03	3.972E-07	6.503E-06	4.602E-05	9.294E-04	1.369E-08	5.299E-01	2.850E-01	4.151E-08	3.700E-07
5.200E+03	6.694E-07	4.449E-06	4.218E-05	1.126E-03	3.060E-08	5.914E-01	2.307E-01	7.378E-08	7.562E-07
5.400E+03	1.539E-06	2.983E-06	3.765E-05	3.311E-03	2.211E-08	6.444E-01	1.833E-01	1.229E-07	1.456F-06
5.600E+03	2.799E-06	1.973E-06	3.291E-05	4.489E-03	1.097E-08	6.982E-01	1.444E-01	1.934E-07	2.657E-06
5.800E+03	4.860E-06	1.296E-06	2.635E-05	6.658E-03	9.770E-09	7.230E-01	1.127E-01	2.900E-07	4.629E-06
6.000E+03	1.140E-06	4.499E-07	2.416E-05	8.181E-03	8.594E-09	6.499E-01	8.769E-02	4.175E-07	7.734E-06
6.200E+03	1.313E-05	5.589E-07	7.045E-05	1.960E-03	7.488E-09	7.699E-01	6.827E-02	5.805E-07	1.246E-05
6.400E+03	2.061E-05	3.696E-07	7.723E-05	2.089E-03	6.473E-09	5.330E-01	5.330E-02	7.834E-07	1.941E-05
6.600E+03	3.142E-05	2.662E-07	1.446E-05	2.202E-03	5.557E-09	7.941E-01	4.182E-02	1.031F-06	2.937E-05
6.800E+03	4.677F-05	1.635E-07	2.131E-05	2.297E-03	4.737E-09	8.003E-01	3.301F-02	1.326E-06	4.327E-05
7.000E+03	6.811E-05	1.118E-07	1.015E-05	3.732E-03	4.008E-09	8.035F-01	2.623E-02	1.672E-06	6.223E-05
7.200E+03	9.724E-05	7.620E-08	8.474E-06	2.425E-03	3.363E-09	8.044E-01	2.099E-02	2.073E-06	8.175E-05
7.400E+03	1.364E-04	5.227E-08	7.057E-06	2.454E-03	2.795E-09	8.033E-01	1.691E-02	2.590F-06	1.207E-04
7.600E+03	1.881E-04	3.637E-08	5.861E-06	2.459E-03	2.299E-09	8.007E-01	1.373E-02	3.044E-06	1.633E-04
7.800E+03	2.555E-04	2.422E-08	4.835E-06	2.438E-03	1.870E-09	7.970E-01	1.123E-02	3.615E-06	2.174F-04
8.000E+03	3.422E-04	1.743E-08	4.005E-06	2.394E-03	1.504E-09	7.924E-01	9.244E-02	4.256E-06	2.650E-04
8.200E+03	4.523E-04	1.223E-08	3.295E-06	2.328E-03	1.194E-09	7.873E-01	7.669E-03	4.959E-06	3.6087E-04
8.400E+03	5.904E-04	9.578E-09	2.703E-06	2.241E-03	9.377E-10	7.821E-01	6.410E-03	5.732E-06	4.710E-04
8.600E+03	7.618E-04	6.058E-09	2.211E-06	2.140E-03	7.281E-10	7.769E-01	5.393E-03	6.582E-06	5.951F-04
8.800E+03	9.721E-04	4.303E-09	4.096E-06	2.026E-03	5.599E-10	7.719E-01	4.580E-03	7.514E-06	7.445E-04
9.000E+03	1.228E-03	3.069E-09	1.473E-06	1.905E-03	4.270E-10	7.673E-01	3.914E-03	6.539E-06	9.232E-04
9.200E+03	1.535E-03	2.025E-09	1.202E-06	1.781E-03	3.237E-10	7.631F-01	3.370E-03	9.663E-06	1.135E-03
9.400E+03	1.922E-03	1.599E-09	9.813E-07	1.657E-03	2.644E-10	7.594E-01	2.921E-03	1.089E-05	1.306E-03
9.600E+03	2.335E-03	1.162E-09	6.025E-07	1.537E-03	1.841E-10	7.561E-01	2.548E-03	1.224E-05	1.680F-03
9.800E+03	2.855E-03	8.455E-08	5.226E-06	5.758E-03	1.422E-10	7.533E-01	2.237E-03	1.371F-05	2.023F-03
1.000E+04	3.438E-03	6.338E-08	5.408E-07	3.131E-03	1.245E-10	7.507E-01	1.974E-03	1.530E-05	2.421F-03
1.100E+04	8.011E-03	1.568E-08	2.145E-07	8.822E-04	2.688E-11	7.398E-01	1.129E-03	2.525E-05	5.644F-03
1.200E+04	1.625E-02	4.630E-11	9.311F-08	6.044E-04	7.774E-12	7.270E-01	6.982E-04	3.049E-05	1.083F-02
1.300E+04	2.819E-02	1.152E-11	4.325E-06	4.222E-04	2.485E-12	7.080E-01	4.521E-04	5.445E-05	1.947F-02
1.400E+04	4.911E-02	5.408E-12	2.098E-06	2.967E-04	8.535E-13	6.806E-01	2.996E-04	7.188E-05	3.218E-02
1.500E+04	7.572E-02	1.498E-12	1.019E-06	2.098E-04	2.941E-13	6.333E-01	1.995E-04	6.881F-05	4.954E-02
1.600E+04	1.239E-01	2.223E-13	9.904E-07	1.415E-04	1.012E-13	5.959E-01	1.314E-04	1.029E-04	7.174E-02
1.700E+04	1.940L-01	2.557E-13	9.27E-05	3.363E-14	5.395E-01	8.667E-05	1.117E-04	9.641E-02	1.286F-01
1.800E+04	1.927E-01	8.494E-14	1.013E-05	5.01E-04	1.039E-14	4.766E-01	5.281E-05	1.139E-04	1.286F-01
1.900E+04	2.379E-01	2.651E-14	6.252E-10	3.304E-05	3.006E-15	4.106E-01	3.171E-05	1.090E-04	1.607E-01
2.000E+04	2.819E-01	7.700E-15	1.483E-10	2.010E-05	8.378E-16	3.453E-01	1.830E-05	9.844E-05	1.930F-01
2.100E+04	3.223E-01	2.097E-15	6.330E-11	1.103E-05	2.036E-16	2.045E-01	1.018E-05	8.245E-05	2.237E-01
2.200E+04	3.574E-01	5.429E-15	2.289E-11	5.915E-06	4.896E-17	2.305E-01	5.489E-06	6.088E-05	2.913E-01
2.300E+04	3.688E-01	1.364E-16	8.080E-12	3.094E-06	1.148E-17				

TABLE II.- Continued

Γ^-	Γ^1	N_2	N_{2+}	Γ^3	Γ^4	Γ^{4+}	N_{4+}	N_{4++}	Γ
0.	1.2d9E-17	2.497E-01	2.524E-20	1.662E-32	0.	0.	0.	0.	1.300E+03
0.	3.032E-16	2.498E-01	2.547E-20	2.012E-31	0.	0.	0.	0.	1.400E+03
0.	4.690E-15	2.498E-01	2.528E-20	1.723E-30	0.	0.	0.	0.	1.500E+03
0.	5.161E-14	2.499E-01	2.478E-20	1.115E-29	0.	0.	0.	0.	1.600E+03
0.	4.2d8E-13	2.499E-01	2.404E-20	5.739E-29	0.	0.	0.	0.	1.700E+03
1.595E-27	2.820E-12	2.495E-01	2.329E-20	2.442E-28	0.	0.	0.	0.	1.800E+03
5.666E-25	1.522E-11	2.499E-01	2.243E-20	8.865E-28	0.	0.	0.	0.	1.900E+03
1.078E-22	6.449E-11	2.499E-01	2.248E-20	2.933E-27	0.	0.	0.	0.	2.000E+03
5.325E-21	2.747E-10	2.499E-01	5.264E-20	2.026E-26	1.053E-28	0.	0.	0.	2.100E+03
6.757E-20	4.591E-10	2.499E-01	3.121E-19	3.210E-25	3.242E-27	0.	0.	0.	2.200E+03
5.797E-19	3.035E-09	2.498E-01	1.872E-18	4.751E-24	6.247E-26	0.	0.	0.	2.300E+03
6.068E-18	8.566E-09	2.4975E-01	9.994E-18	5.766E-23	9.205E-25	0.	0.	0.	2.400E+03
2.433E-17	2.246E-08	2.496E-01	4.665E-17	5.721E-22	1.089E-23	0.	0.	0.	2.500E+03
1.266E-16	5.471E-08	2.493E-01	1.938E-16	4.782E-21	1.064E-22	0.	0.	0.	2.630E+03
5.822E-16	1.240E-07	2.490E-01	7.259E-16	3.422E-20	8.774E-22	0.	0.	0.	2.700E+03
2.397E-15	2.683E-07	2.488E-01	2.478E-15	2.131E-19	6.213E-21	0.	0.	0.	2.800E+03
8.933E-15	5.474E-07	2.481E-01	7.783E-15	1.171E-18	3.038E-20	0.	0.	0.	2.900E+03
3.043E-14	1.065E-06	2.474E-01	2.268E-14	5.756E-18	2.096E-19	0.	0.	0.	3.000E+03
9.555E-14	1.984E-06	2.465E-01	6.179E-16	2.556E-17	1.025E-18	0.	0.	0.	3.10E+03
2.785E-13	3.554E-06	2.454E-01	1.953E-13	1.036E-16	4.522E-18	0.	0.	0.	3.200E+03
7.585E-13	6.145E-06	2.440E-01	3.035E-13	3.862E-16	1.822E-17	0.	0.	0.	3.300E+03
1.941E-12	1.020E-05	2.424E-01	8.829E-13	1.334E-15	6.743E-17	0.	0.	0.	3.400E+03
4.689E-12	1.670E-05	2.405E-01	1.940E-12	4.301E-15	2.311E-16	0.	0.	0.	3.500E+03
1.076E-11	2.638E-05	2.383E-01	4.084E-12	1.301E-14	7.375E-16	0.	0.	0.	3.600E+03
2.342E-11	4.062E-05	2.358E-01	8.266E-12	3.712E-14	2.205E-15	0.	0.	0.	3.700E+03
4.876E-11	8.110E-05	2.330E-01	1.613E-11	1.004E-13	6.203E-15	0.	0.	0.	3.800E+03
9.720E-10	8.930E-05	2.298E-01	3.045E-11	2.582E-13	1.669E-14	0.	0.	0.	3.900E+03
1.864E-10	1.297E-04	2.263E-01	5.571E-11	6.346E-13	4.160E-14	0.	0.	0.	4.000E+03
3.441E-10	1.836E-04	2.225E-01	9.934E-11	1.495E-12	9.999E-14	0.	0.	0.	4.100E+03
6.128E-10	2.554E-04	2.185E-01	1.715E-10	3.387E-12	2.297E-13	0.	0.	0.	4.200E+03
1.056E-09	3.495E-04	2.142E-01	2.896E-10	7.400E-12	5.051E-13	0.	0.	0.	4.300E+03
1.762E-09	4.711E-04	2.097E-01	4.781E-10	1.563E-11	1.070E-12	0.	0.	0.	4.400E+03
2.854E-09	6.261E-04	2.051E-01	7.728E-10	3.199E-11	2.182E-12	0.	0.	0.	4.500E+03
4.496E-09	1.213E-04	2.050E-01	1.225E-09	6.359E-11	4.298E-12	0.	0.	0.	4.600E+03
6.892E-09	1.064E-03	1.957E-01	1.907E-09	1.230E-10	8.194E-12	0.	0.	0.	4.700E+03
1.031E-08	1.364E-03	1.910E-01	2.919E-09	2.322E-10	1.515E-11	0.	0.	0.	4.800E+03
1.505E-06	1.729E-03	1.864E-01	4.401E-09	4.274E-10	2.739E-11	0.	0.	0.	4.900E+03
2.149E-08	2.171E-03	1.819E-01	6.535E-09	7.701E-10	4.820E-11	0.	0.	0.	5.000E+03
6.123E-08	3.333E-03	1.734E-01	1.385E-08	2.352E-09	1.371E-10	0.	0.	0.	5.200E+03
7.351E-08	4.695E-03	1.657E-01	2.814E-08	6.666E-09	3.593E-10	0.	0.	0.	5.400E+03
1.231E-07	7.174E-03	1.587E-01	5.464E-08	1.770E-08	6.721E-10	0.	0.	0.	5.600E+03
1.953E-07	1.013E-02	1.525E-01	1.022E-07	4.419E-08	1.979E-09	0.	0.	0.	5.800E+03
2.986E-07	1.397E-02	1.466E-01	1.842E-07	1.043E-07	4.230E-09	5.035E-26	0.	0.	6.000E+03
4.317E-07	1.866E-02	1.410E-01	3.202E-07	2.338E-07	8.565E-09	4.797E-25	0.	0.	6.200E+03
6.094E-07	2.477E-02	1.353E-01	5.377E-07	4.987E-07	1.651E-08	3.986E-24	0.	0.	6.400E+03
8.363E-07	3.241E-02	1.294E-01	8.721E-07	1.016E-06	3.044E-08	2.910E-23	0.	0.	6.600E+03
1.120E-06	4.129E-02	1.230E-01	1.367E-06	1.979E-06	5.348E-08	1.899E-22	0.	0.	6.800E+03
1.469E-06	5.167E-02	1.160E-01	2.071E-06	3.700E-06	9.163E-08	1.108E-21	0.	0.	7.000E+03
1.890E-06	6.350E-02	1.085E-01	3.033E-06	6.644E-06	1.504E-07	5.832E-21	0.	0.	7.200E+03
2.393E-06	7.666E-02	1.044E-01	4.293E-06	1.150E-06	2.384E-07	2.791E-20	0.	0.	7.400E+03
2.984E-06	9.130E-02	9.172E-02	5.878E-06	1.910E-05	3.659E-07	1.221E-19	0.	0.	7.600E+03
3.672E-06	1.366E-02	8.269E-02	7.783E-06	3.090E-05	5.443E-07	4.914E-19	0.	0.	7.800E+03
4.464E-06	1.218E-01	7.347E-02	9.974E-06	4.817E-05	7.855E-07	1.828E-18	0.	0.	8.000E+03
5.368E-06	1.374E-01	6.430E-02	1.238E-05	7.278E-05	1.103E-05	6.319E-18	0.	0.	8.200E+03
6.391E-06	1.526E-01	5.543E-02	1.489E-05	1.064E-04	1.505E-06	2.040E-17	0.	0.	8.400E+03
7.540E-06	1.670E-01	4.707E-02	1.740E-05	1.523F-04	2.003E-06	6.176E-17	0.	0.	8.600E+03
8.822E-06	1.831E-01	3.943E-02	1.979E-05	2.117E-04	2.601E-06	1.762E-16	0.	0.	8.800E+03
1.024E-05	1.910E-01	3.263E-02	2.196E-05	2.875E-06	3.303E-06	4.759E-16	0.	0.	9.000E+03
1.181E-05	2.011E-01	2.672E-02	2.383E-05	3.820E-06	4.109E-06	1.222E-15	0.	0.	9.200E+03
1.352E-05	2.105E-01	2.170E-02	2.537E-05	4.979E-06	5.020E-06	2.995E-15	0.	0.	9.400E+03
1.539E-05	2.175E-01	1.753E-02	2.655E-05	6.379E-06	6.032E-06	7.332E-15	0.	0.	9.600E+03
1.741E-05	2.232E-01	1.410E-02	2.750E-05	8.049E-06	7.144E-06	1.588E-14	0.	0.	9.800E+03
1.959E-05	2.278E-01	1.133E-02	2.813E-05	1.020E-03	8.353E-06	3.645E-14	0.	0.	1.000E+04
3.275E-05	2.332E-01	3.859E-03	2.866E-05	2.558E-03	1.570E-05	1.070E-12	0.	0.	1.100E+04
4.916E-05	2.377E-01	1.432E-03	2.659E-05	5.423E-03	2.916E-05	1.866E-11	0.	0.	1.200E+04
6.736E-05	2.312E-01	5.424E-04	2.391E-05	1.010E-02	3.561E-05	2.065E-10	0.	0.	1.300E+04
8.516E-05	2.201E-01	2.541E-04	2.083E-05	1.690E-02	4.568E-05	1.656E-09	1.714E-23	0.	1.400E+04
9.494E-05	2.364E-01	1.160E-04	1.751E-05	2.622E-02	5.367E-05	1.001E-08	1.101E-21	0.	1.500E+04
1.093E-04	1.848E-01	5.410E-05	1.412E-05	3.763E-02	5.807E-05	4.842E-08	4.314E-20	0.	1.600E+04
1.115E-04	1.620E-01	2.529E-05	1.047E-05	5.059E-02	5.804E-05	1.948E-07	1.127E-18	0.	1.700E+04
1.063E-04	1.376E-01	1.160E-05	7.954E-05	6.416E-02	5.377E-05	6.713E-07	2.104E-17	0.	1.800E+04
9.537E-05	1.132E-01	5.293E-06	5.536E-06	7.725E-02	4.662E-05	2.031E-06	2.976E-16	0.	1.900E+04
8.008E-05	9.255E-02	2.343E-06	3.681E-06	8.493E-02	3.761E-05	5.505E-06	3.924E-15	0.	2.000E+04
6.359E-05	7.080E-02	1.320E-06	9.859E-02	2.358E-06	2.890E-05	3.359E-05	3.094E-14	0.	2.100E+04
4.894E-05	5.450E-02	4.403E-07	1.471E-06	1.010E-01	2.132E-05	3.102E-05	2.333E-13	0.	2.200E+04
3.622E-07	4.162E-02	1.905E-07	9.051E-07	1.116E-01	1.520E-05	6.620E-05	1.549E-12	0.	2.300E+04
2.620E-05	3.175E-02	8.347E-08	5.550E-07	1.155E-01	1.070E-03	1.334E-04	8.986E-12	0.	2.400E+04
1.872E-05	2.633E-02	3.735E-08	3.420E-07	1.102E-01	7.554E-06	2.556E-04	4.631E-11	0.	2.500E+04
1.332E-05	1.880E-02	1.717E-08	2.130E-07	1.198E-01	5.300E-06	4.683E-04	2.144E-10	0.	2.600E+04
9.504E-06	1.464E-02	8.121E-09	1.345E-07	1.208E-01	3.739E-06	8.241E-04	6.997E-10	0.	2.700E+04
6.832E-06	1.191E-02	3.958E-09	8.612E-08	1.211E-01	2.866E-06	1.397E-03	3.449E-09	0.	2.800E+04
4.968E-06	9.391E-03	1.981E-09	5.589E-08	1.200E-01	1.912E-06	2.285E-03	1.215E-08	0.	2.900E+04
3.662E-06	7.436E-03	1.317E-09	3.666E-08	1.198E-01	1.386E-06	3.615E-03	3.956E-08	0.	3.000E+04
2.742E-06	6.027E-03	5.325E-10	2.423E-08	1.181E-01	1.016E-06	5.533E-03	1.190E-07	0.	3.100E+04
2.087E-05	4.937E-03	2.832E-10	1.006E-06	1.154E-01	7.495E-07	8.194E-03	3.367E-07	0.	3.200E+04
1.617E-06	4.033E-03	1.519E-10	1.063E-08	1.117E-01	5.555E-07	1.174E-02	8.044E-07	0.	3.300E+04
1.27									

TABLE II.- Continued

T	E-	NH3	NH2	NH	N+H2	H	H2	H2+	H+
3.500E+04	4.993E-01	7.229E-23	1.421E-16	2.994E-09	3.201E-24	2.066E-02	3.133E-09	2.134E-06	3.549E-01
3.600E+04	5.039E-01	2.742E-23	6.708E-17	1.018E-09	1.107E-26	1.829E-02	2.020E-09	1.700E-06	3.530E-01
3.700E+04	5.087E-01	1.063E-23	3.207E-17	1.106E-09	3.860E-25	1.631E-02	1.325E-09	1.364E-06	3.521E-01
3.800E+04	5.136E-01	4.201E-24	1.543E-17	6.733E-10	1.351E-25	1.463E-02	8.042E-10	1.103E-06	3.502E-01
3.900E+04	5.184E-01	1.690E-24	7.552E-18	6.098E-10	4.745E-26	1.320E-02	5.993E-10	8.981E-07	3.480E-01
4.000E+04	5.229E-01	6.913E-25	3.716E-18	2.494E-10	1.671E-26	1.196E-02	4.122E-10	7.369E-07	3.458E-01
4.100E+04	5.272E-01	2.875E-25	1.845E-18	1.519E-10	5.912E-27	1.090E-02	2.876E-10	6.090E-07	3.437E-01
4.200E+04	5.311E-01	1.215E-25	9.252E-19	9.269E-11	2.105E-27	9.170E-03	2.033E-10	5.069E-07	3.417E-01
4.300E+04	5.346E-01	5.226E-26	4.687E-19	5.674E-11	7.558E-28	9.156E-03	1.455E-10	4.248E-07	3.399E-01
4.400E+04	5.377E-01	2.289E-26	2.402E-19	3.489E-11	2.745E-28	8.440E-03	1.054E-10	3.504E-07	3.383E-01
4.500E+04	5.405E-01	1.020E-26	1.246E-19	2.157E-11	1.010E-28	7.805E-03	7.721E-11	3.042E-07	3.360E-01
4.600E+04	5.429E-01	4.632E-27	6.566E-20	1.342E-11	3.771E-29	7.239E-03	5.716E-11	2.598E-07	3.359E-01
4.700E+04	5.452E-01	2.141E-27	3.483E-20	8.408E-12	1.433E-29	6.734E-03	4.274E-11	2.230E-07	3.344E-01
4.800E+04	5.472E-01	1.007E-27	1.877E-20	5.306E-12	5.512E-30	6.200E-03	3.227E-11	1.924E-07	3.333E-01
4.900E+04	5.491E-01	4.817E-28	1.024E-20	3.372E-12	2.158E-30	5.870E-03	2.456E-11	1.668E-07	3.323E-01
5.000E+04	5.510E-01	2.342E-28	5.651E-21	2.157E-12	8.577E-31	5.499E-03	1.887E-11	1.452E-07	3.312E-01

P/PO = 4.40E+01

T	E-	NH3	NH2	NH	NZ2H	H	H2	H2+	H+
5.000E+02	0.	6.255E-01	1.539E-20	6.052E-35	1.715E-28	5.603E-22	2.809E-01	1.377E-18	1.090E-21
6.000E+02	0.	2.841E-01	3.006E-17	6.448E-29	2.620E-24	5.135E-18	5.369E-01	1.081E-18	3.351E-21
7.000E+02	0.	9.677E-02	4.682E-15	1.034E-24	1.563E-21	3.150J 15	6.774E-01	9.135E-19	8.542E-21
8.000E+02	0.	3.378E-02	1.812E-13	1.323E-21	1.495E-19	3.720E-13	7.247E-01	8.460E-19	1.926E-20
9.000E+02	0.	1.373E-02	2.852E-12	3.342E-19	4.834E-18	1.519E-11	7.397E-01	8.075E-19	3.752E-20
1.000E+03	0.	6.495E-02	2.522E-11	2.766E-17	7.645E-17	2.957E-10	7.451E-01	7.722E-19	6.399E-20
1.100E+03	0.	3.481E-03	1.500E-11	1.019E-15	7.284E-16	3.371E-09	7.474E-01	7.335E-19	9.796E-20
1.200E+03	0.	2.061E-03	5.776E-10	2.086E-19	4.768E-15	2.574E-09	7.485E-01	6.911E-19	1.377E-19
1.300E+03	0.	1.321E-03	2.291E-09	2.634E-13	2.342E-15	1.443E-07	7.497E-01	6.466E-19	1.808E-19
1.400E+03	0.	9.322E-04	6.670E-09	2.331E-12	9.193E-14	6.344E-07	7.493E-01	6.016E-19	2.251E-19
1.500E+03	0.	6.449E-04	1.683E-08	1.553E-11	3.015E-13	2.296E-06	7.495E-01	5.578E-19	2.648E-19
1.600E+03	2.722E-30	4.869E-06	3.700E-08	8.061E-11	8.552E-13	7.090E-06	7.496E-01	5.164E-19	3.106E-19
1.700E+03	2.514E-27	3.785E-07	7.717E-08	3.468E-10	2.151E-12	1.921E-05	7.497E-01	4.780E-19	3.496E-19
1.800E+03	1.107E-26	3.330E-06	1.456E-07	1.269E-09	4.897E-12	4.668E-05	7.497E-01	4.429E-19	3.854E-19
1.900E+03	2.604E-22	2.487E-06	2.586E-07	4.500E-09	1.022E-11	1.034E-06	7.497E-01	4.113E-19	4.180E-19
2.000E+03	3.456E-20	2.056E-06	4.280E-07	1.151E-08	1.996E-11	2.120E-06	7.497E-01	3.982E-19	4.654E-19
2.100E+03	1.262E-18	1.779E-06	6.794E-07	2.962E-08	3.655E-11	4.060E-06	7.495E-01	8.886E-19	1.179E-18
2.200E+03	1.208E-17	1.552E-06	1.034E-06	6.996E-08	6.343E-11	7.337E-06	7.492E-01	5.103E-18	7.592E-18
2.300E+03	8.010E-17	1.355E-06	1.517E-06	1.533E-07	1.051E-10	1.260E-03	7.488E-01	3.004E-17	4.963E-17
2.400E+03	4.452E-16	1.203E-06	2.154E-06	3.146E-07	1.271E-10	2.070E-03	7.481E-01	1.562E-16	2.840E-16
2.500E+03	2.157E-15	1.079E-06	2.974E-06	6.095E-07	2.562E-10	3.270E-03	7.471E-01	7.153E-16	1.421E-15
2.600E+03	9.273E-15	4.756E-05	4.000E-06	1.122E-06	3.801E-10	4.988E-03	7.456E-01	2.919E-15	6.290E-15
2.700E+03	3.586E-14	8.818E-05	5.259E-06	1.972E-06	5.477E-10	7.371E-03	7.435E-01	1.075E-14	2.498E-14
2.800E+03	1.212E-13	6.770E-05	3.328E-06	7.684E-06	1.059E-02	7.407E-03	7.408E-01	9.001E-14	9.001E-14
2.900E+03	6.075E-13	7.472E-05	6.550E-06	5.411E-06	1.052E-09	1.484E-02	7.369E-01	1.115E-13	2.972E-13
3.000E+03	1.219E-12	6.890E-05	1.061E-05	8.508E-06	4.048E-09	2.032E-02	7.322E-01	3.197E-13	9.073E-13
3.100E+03	3.402E-12	6.367E-05	1.294E-05	1.298E-05	1.845E-09	2.724E-02	7.261E-01	8.565E-13	2.579E-12
3.200E+03	6.910E-12	5.890E-05	1.555E-05	1.924E-05	2.370E-09	3.582E-02	7.186E-01	2.157E-12	6.873E-12
3.300E+03	2.203E-11	5.450E-05	1.840E-05	2.708E-05	2.988E-09	4.627E-02	7.094E-01	5.131E-12	1.727E-11
3.400E+03	5.165E-11	5.038E-05	2.188E-05	3.421E-05	3.700E-09	5.878E-02	6.985E-01	1.159E-11	4.111E-11
3.500E+03	1.154E-10	4.648E-05	2.473E-05	5.410E-05	4.504E-09	7.353E-02	6.856E-01	2.494E-11	9.315E-11
3.600E+03	2.464E-10	6.277E-05	2.809E-05	7.309E-05	5.393E-09	9.066E-02	6.706E-01	5.134E-11	2.017E-10
3.700E+03	5.351E-10	3.922E-05	3.151E-05	9.685E-05	6.354E-09	1.030E-01	6.534E-01	1.014E-10	4.187E-10
3.800E+03	3.402E-09	3.640E-05	3.949E-05	1.206E-04	1.270E-09	1.324E-01	6.364E-01	1.926E-10	8.363E-10
3.900E+03	1.897E-09	3.252E-05	3.817E-05	1.610F-04	8.417E-09	1.570E-01	6.125E-01	3.528E-10	1.611E-09
4.000E+03	3.469E-09	2.937E-05	4.125E-05	2.025E-04	9.471E-09	1.040E-01	5.888E-01	6.267E-10	3.001E-09
4.100E+03	6.245E-09	2.635E-05	4.404E-05	2.506E-04	1.050E-08	2.138E-01	5.631E-01	1.071E-09	5.417E-09
4.200E+03	1.084E-08	2.386E-05	4.647E-05	3.056E-04	1.148E-08	2.466E-01	5.357E-01	1.782E-09	9.498E-09
4.300E+03	1.812E-08	2.077E-05	4.866E-05	3.875E-04	1.237E-08	2.776E-01	5.067E-01	2.879E-09	1.620E-08
4.400E+03	3.019E-08	1.822E-05	4.997E-05	4.304E-04	1.315E-08	3.121E-01	4.765E-01	4.529E-09	2.646E-08
4.500E+03	4.860E-08	1.587E-05	5.095E-05	5.106E-04	1.380E-08	3.675E-01	4.654E-01	6.941E-09	4.372E-08
4.600E+03	7.650E-08	1.370E-05	5.140E-05	5.909E-04	1.430E-08	3.834E-01	4.139E-01	1.038E-08	6.935E-08
4.700E+03	1.179E-07	1.174E-05	5.131E-05	6.760E-04	1.464E-08	4.193E-01	3.823E-01	1.517E-08	1.077E-07
4.800E+03	1.783E-07	9.973E-06	5.072E-05	7.650F-04	1.482E-08	4.549E-01	3.510E-01	2.168E-08	1.639E-07
4.900E+03	2.664E-07	6.811E-06	4.966E-05	8.572E-04	1.484E-08	4.896E-01	3.205E-01	2.879E-08	2.447E-07
5.000E+03	3.860E-07	7.044E-06	4.820E-05	9.514E-04	1.472E-08	5.231E-01	2.910E-01	4.163E-08	3.988E-07
5.200E+03	7.827E-07	6.807E-06	4.635E-05	1.143E-03	1.409E-08	5.849E-01	2.364E-01	7.422E-08	7.342E-07
5.400E+03	1.498E-06	3.267E-06	3.972E-05	1.333E-03	1.311E-08	6.385E-01	1.888E-01	1.239E-07	1.415E-06
5.600E+03	2.726E-06	2.172E-06	3.484E-05	1.516E-03	1.191E-08	6.870E-01	1.490E-01	1.956E-07	2.585E-06
5.800E+03	4.743E-06	1.432E-06	3.009E-05	1.690E-03	1.064E-08	7.166E-01	1.166E-01	2.960E-07	4.506E-06
6.000E+03	7.936E-06	9.429E-07	2.571E-05	1.653E-03	9.380E-09	7.462E-01	9.098E-02	4.241E-07	7.536E-06
6.200E+03	1.283E-05	6.220E-07	2.181E-05	2.002E-03	8.189E-09	7.669E-01	7.097E-02	5.906E-07	1.214E-05
6.400E+03	2.010E-05	6.124E-07	1.881E-05	2.136E-03	7.093E-09	7.820E-01	5.951E-02	7.987E-07	1.094E-05
6.600E+03	3.066E-05	2.733E-07	1.549E-05	2.259E-03	6.101E-09	7.923E-01	4.361E-02	1.051E-06	2.867E-05
6.800E+03	4.565E-05	1.852E-07	1.300E-05	2.354E-03	5.210E-09	7.990E-01	3.467E-02	1.354E-06	4.225E-05
7.000E+03	6.648E-05	1.255E-07	1.099E-05	2.432E-03	4.414E-09	8.026E-01	2.761E-02	1.709E-06	6.078E-05
7.200E+03	9.493E-05	6.572E-08	9.106E-06	2.449E-03	3.713E-09	8.038E-01	2.195E-02	2.120E-06	8.553E-05
7.400E+03									

TABLE II.- Continued

H-	V	N2	N2+	N+	N-	N++	N+++	N++++	T
1.022E-06	2.649E-03	4.398E+11	6.534E-09	1.007E-01	3.066E-07	2.181E-02	5.014E-06	3.570E-13	3.500E+04
0.334E-07	2.134E-03	2.349E-11	2.098E-09	9.361E-02	2.271E-07	2.826E-02	1.087E-05	1.644E-12	3.600E+04
0.904E-07	1.711E-03	1.241E-11	1.819E-09	8.564E-02	1.673E-07	3.544E-02	2.223E-05	6.856E-12	3.700E+04
5.804E-07	1.358E-03	6.482E-12	1.119E-09	7.714E-02	1.228E-07	4.306E-02	4.298E-05	2.607E-11	3.800E+04
4.940E-07	1.068E-03	3.341E-12	6.756E-10	6.846E-02	8.949E-08	5.081E-02	7.896E-05	9.103E-11	3.900E+04
4.266E-07	8.325E-04	1.722E-12	4.006E-10	5.994E-02	6.479E-08	5.836E-02	1.384E-04	2.940E-10	4.000E+04
3.719E-07	6.440E-04	8.561E-13	2.340E-10	5.187E-02	4.664E-08	6.546E-02	2.325E-04	8.847E-10	4.100E+04
3.275E-07	4.352E-04	4.297E-13	1.351E-10	4.446E-02	3.346E-08	7.190E-02	3.761E-04	2.486E-09	4.200E+04
2.904E-07	3.791E-04	2.143E-13	7.734E-11	3.783E-02	2.390E-08	7.756E-02	5.881E-04	6.842E-09	4.300E+04
2.602E-07	2.894E-04	1.068E-13	4.406E-11	3.201E-02	1.706E-08	8.238E-02	8.920E-04	1.676E-08	4.400E+04
2.346E-07	2.205E-04	5.329E-14	2.506E-11	2.698E-02	1.218E-08	8.630E-02	1.317E-03	4.030E-08	4.500E+04
2.125E-07	1.680E-04	2.670E-14	1.425E-11	2.269E-02	8.705E-09	8.951E-02	1.897E-03	5.268E-08	4.600E+04
1.937E-07	1.241E-04	1.345E-14	8.125E-12	1.905E-02	6.234E-09	9.186E-02	2.672E-03	2.045E-07	4.700E+04
1.773E-07	9.773E-05	6.818E-15	4.655E-12	1.598E-02	4.676E-09	9.343E-02	3.686E-03	4.344E-07	4.800E+04
1.631E-07	7.467E-05	3.640E-15	2.665E-12	1.360E-02	3.223E-09	9.425E-02	4.987E-03	8.898E-07	4.900E+04
1.505E-07	5.712E-05	1.706E-15	1.535E-12	1.123E-02	2.327E-09	9.433E-02	6.624E-03	1.761E-06	5.000E+04

P/PQ = 4.40E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	9.362E-02	6.576E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.790E-01	9.308E-21	C.	C.	C.	C.	C.	6.000E+02
0.	0.	2.258E-01	1.193E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.344E-29	2.416E-01	1.507E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.436E-26	2.446E-01	1.823E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.235E-23	2.484E-01	2.098E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.109E-21	2.491E-01	2.312E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.172E-19	2.495E-01	2.455E-20	8.727E-34	0.	0.	0.	0.	1.200E+03
0.	1.200E-17	2.497E-01	2.537E-20	1.632E-32	0.	0.	0.	0.	1.300E+03
0.	2.966E-16	2.498E-01	2.563E-20	1.970E-31	0.	0.	0.	0.	1.400E+03
0.	4.583E-15	2.498E-01	2.547E-20	1.696E-30	C.	C.	C.	C.	1.500E+03
0.	5.342E-14	2.499E-01	2.530E-20	1.099E-29	0.	0.	0.	0.	1.600E+03
0.	4.190E-13	2.499E-01	2.443E-20	5.661E-29	C.	C.	C.	C.	1.700E+03
1.542E-27	2.755E-12	2.499E-01	2.359E-20	2.411E-28	0.	0.	0.	0.	1.800E+03
5.472E-25	1.487E-11	2.499E-01	2.269E-20	8.761E-28	C.	C.	C.	C.	1.900E+03
1.042E-22	6.789E-11	2.499E-01	2.270E-20	2.895E-27	0.	0.	0.	0.	2.000E+03
5.452E-21	2.648E-10	2.499E-01	5.215E-20	1.961E-26	1.739E-28	0.	0.	0.	2.100E+03
6.704E-20	1.370E-10	2.499E-01	3.074E-19	3.039E-25	3.217E-27	0.	0.	0.	2.200E+03
5.735E-19	2.163E-09	2.498E-01	1.852E-18	4.568E-24	6.202E-26	0.	0.	0.	2.300E+03
4.038E-18	3.369E-09	2.497E-01	9.838E-18	5.526E-23	9.136E-25	0.	0.	0.	2.400E+03
2.414E-17	2.195E-08	2.496E-01	4.592E-17	5.503E-22	1.081E-23	0.	0.	0.	2.500E+03
1.256E-16	5.345E-08	2.494E-01	1.909E-16	4.601E-21	1.056E-22	0.	0.	0.	2.600E+03
5.775E-16	1.219E-07	2.491E-01	7.151E-16	3.293E-20	8.703E-22	0.	0.	0.	2.700E+03
2.372E-15	2.022E-07	2.497E-01	2.446E-15	2.051E-19	6.162E-21	0.	0.	0.	2.800E+03
8.859E-15	5.349E-07	2.481E-01	7.707E-15	1.128E-18	3.800E-20	0.	0.	0.	2.900E+03
3.018E-14	1.204E-06	2.474E-01	2.236E-14	5.542E-18	2.079E-19	0.	0.	0.	3.000E+03
9.476E-14	1.939E-06	2.466E-01	6.091E-14	2.462E-17	1.015E-18	0.	0.	0.	3.100E+03
2.762E-13	3.473E-06	2.455E-01	1.561E-13	9.477E-17	4.448E-18	0.	0.	0.	3.200E+03
7.523E-13	6.035E-06	2.442E-01	3.782E-13	3.723E-16	1.806E-17	0.	0.	0.	3.300E+03
1.925E-12	1.050E-05	2.446E-01	8.709E-13	1.285E-15	6.686E-17	0.	0.	0.	3.400E+03
4.652E-12	1.632E-05	2.438E-01	1.914E-12	4.144E-15	2.291E-16	0.	0.	0.	3.500E+03
1.066E-11	2.518E-05	2.406E-01	4.038E-12	1.253E-14	7.318E-16	0.	0.	0.	3.600E+03
2.325E-11	3.971E-05	2.361E-01	8.151E-12	3.577E-14	2.187E-15	0.	0.	0.	3.700E+03
6.843E-11	5.474E-05	2.333E-01	1.592E-11	9.671E-14	6.154E-15	0.	0.	0.	3.800E+03
9.668E-11	8.794E-05	2.322E-01	3.322E-11	2.448E-13	1.637E-14	0.	0.	0.	3.900E+03
1.854E-10	1.269E-04	2.268E-01	5.501E-11	6.116E-13	4.129E-14	0.	0.	0.	4.000E+03
3.423E-10	1.796E-04	2.231E-01	9.701E-11	1.444E-12	9.928E-14	0.	0.	0.	4.100E+03
6.102E-10	2.496E-04	2.191E-01	1.693E-10	3.264E-12	2.281E-13	0.	0.	0.	4.200E+03
1.052E-09	3.420E-04	2.149E-01	2.466E-10	7.130E-12	5.024E-13	0.	0.	0.	4.300E+03
1.757E-09	6.611E-04	2.105E-01	4.723E-10	1.505E-11	1.064E-12	C.	C.	C.	4.400E+03
2.850E-09	6.128E-04	2.059E-01	7.634E-10	3.081E-11	2.172E-12	0.	0.	0.	4.500E+03
4.493E-09	6.040E-04	2.013E-01	1.210E-09	6.125E-11	4.276E-12	C.	C.	C.	4.600E+03
6.898E-09	1.042E-03	1.967E-01	1.088E-09	1.185E-10	8.157E-12	0.	0.	0.	4.700E+03
1.033E-08	1.335E-03	1.919E-01	2.088E-09	2.234E-10	1.509E-11	C.	C.	C.	4.800E+03
1.510E-08	1.639E-03	1.473E-01	4.365E-09	4.114E-10	2.722E-11	0.	0.	0.	4.900E+03
2.160E-08	2.126E-03	1.628E-01	6.455E-09	7.407E-10	4.785E-11	0.	0.	0.	5.000E+03
4.154E-08	3.205E-03	1.763E-01	1.370E-08	2.261E-09	1.368E-10	0.	0.	0.	5.200E+03
7.425E-08	4.456E-03	1.665E-01	2.733E-08	6.407E-09	3.587E-10	0.	0.	0.	5.400E+03
1.246E-07	7.626E-03	1.595E-01	5.384E-08	1.694E-08	8.713E-10	0.	0.	0.	5.600E+03
1.981E-07	9.914E-03	1.531E-01	1.030E-07	4.239E-08	1.978E-09	0.	0.	0.	5.800E+03
3.098E-07	1.308E-02	1.672E-01	1.811E-07	1.000E-07	4.220E-09	4.722E-26	0.	0.	6.000E+03
4.394E-07	1.047E-02	1.416E-01	3.147E-07	2.740E-07	8.588E-09	4.499E-25	0.	0.	6.200E+03
6.210E-07	2.444E-02	1.359E-01	5.204E-07	4.778E-07	1.647E-08	3.736E-24	0.	0.	6.400E+03
8.530E-07	3.174E-02	1.330E-01	8.572E-07	9.729E-07	3.044E-08	2.734E-23	0.	0.	6.600E+03
1.143E-06	6.043E-02	1.236E-01	1.364E-06	1.896E-06	5.394E-08	1.700E-22	0.	0.	6.800E+03
1.590E-06	9.364E-02	1.168E-01	2.038E-06	3.566E-06	9.183E-06	1.030E-21	0.	0.	7.000E+03
1.932E-06	6.227E-02	1.393E-01	2.988E-06	6.373E-06	1.530E-07	5.468E-21	0.	0.	7.200E+03
2.446E-06	7.525E-02	1.013E-01	4.236E-06	1.103E-05	2.393E-07	2.618E-20	0.	0.	7.400E+03
3.052E-06	6.939E-02	9.271E-02	5.805E-06	1.862E-05	3.676E-07	1.147E-19	0.	0.	7.600E+03
3.756E-06	1.044E-01	8.375E-02	7.730E-06	2.973E-05	5.474E-07	4.619E-19	0.	0.	7.800E+03
4.566E-06	1.199E-01	7.659E-02	4.901E-06	4.636E-05	7.912E-07	1.720E-18	0.	0.	8.000E+03
5.493E-06	1.355E-01	6.545F-02	1.232E-05	7.014E-05	1.112E-06	5.955E-18	0.	0.	8.200E+03
6.541E-06	1.557E-01	5.657E-02	1.406E-05	1.030E-04	1.520E-06	1.925E-17	C.	C.	8.400E+03
7.717E-06	1.651E-01	4.819E-02	1.747E-05	1.472E-04	2.025E-06	5.835E-17	0.	0.	8.600E+03
9.030E-06	1.763E-01	4.048E-02	1.946E-05	2.049E-04	2.634E-06	1.667E-16	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	1.199E-33	3.505E-09	1.605E-06	1.980E-03	4.831E-10	7.678E-01	4.106E-03	8.756E-06	9.031E-04
9.200E+03	1.499E-03	2.521E-09	1.311E-06	1.853E-03	3.671E-10	7.636E-01	3.535E-03	9.908E-06	1.111E-03
9.400E+03	1.857E-03	1.825E-09	1.071E-06	1.726E-03	2.778E-10	7.598E-01	3.064E-03	1.117E-05	1.356E-03
9.600E+03	2.281E-03	1.331E-09	8.771E-07	1.603E-03	2.097E-10	7.545E-01	2.672E-03	1.255E-05	1.643E-03
9.800E+03	2.778E-03	9.774E-10	7.196E-07	1.404E-03	1.582E-10	7.536E-01	2.345E-03	1.405E-05	1.978E-03
1.000E+04	3.358E-03	7.237E-10	5.921E-07	1.372E-03	1.195E-10	7.510E-01	2.070E-03	1.568E-05	2.367E-03
1.100E+04	7.827E-03	1.803E-10	2.354E-07	9.237E-04	3.088E-11	7.401E-01	1.184E-03	2.587E-05	5.325E-03
1.200E+04	1.588E-02	5.305E-11	1.024E-07	6.338E-04	0.958E-12	7.275E-01	7.325E-04	3.944E-05	1.059E-02
1.300E+04	2.888E-02	1.759E-11	4.766E-08	4.435E-04	2.873E-12	7.089E-01	4.748E-04	5.584E-05	1.903E-02
1.400E+04	6.804E-02	6.276E-12	2.308E-08	3.175E-04	9.814E-13	6.021E-01	3.152E-04	7.381E-05	3.147E-02
1.500E+04	7.412E-02	2.312E-12	1.131E-08	2.183E-04	3.436E-13	6.455E-01	2.104E-04	9.136E-05	4.848E-02
1.600E+04	1.071E-01	8.493E-13	5.476E-09	1.493E-04	1.919E-13	5.990E-01	1.391E-04	1.061E-04	7.026E-02
1.700E+04	1.461E-01	3.024E-13	2.569E-09	9.866E-05	3.978E-14	5.636E-01	9.003E-05	1.156E-04	9.647E-02
1.800E+04	1.893E-01	1.021E-13	1.150E-09	6.254E-05	1.252E-14	4.815E-01	5.667E-05	1.183E-04	1.262E-01
1.900E+04	2.342E-01	3.220E-14	4.875E-10	3.705E-05	3.674E-15	4.161E-01	3.412E-05	1.138E-04	1.580E-01
2.000E+04	2.780E-01	9.517E-15	1.952E-10	1.189E-05	1.003E-15	3.512E-01	1.983E-05	1.033E-04	1.900E-01
2.100E+04	3.184E-01	2.632E-15	7.429E-11	1.215E-05	2.568E-16	2.904E-01	1.111E-05	8.888E-05	2.206E-01
2.200E+04	3.538E-01	6.917E-16	2.716E-11	6.540E-06	2.629E-17	2.362E-01	6.030E-06	7.307E-05	2.483E-01
2.300E+04	3.834E-01	1.762E-16	9.689E-12	3.449E-06	1.490E-17	1.900E-01	3.211E-06	5.792E-05	2.723E-01
2.400E+04	4.075E-01	4.430E-17	3.426E-12	1.804E-06	3.525E-18	1.521E-01	1.660E-06	4.670E-05	2.921E-01
2.500E+04	4.265E-01	1.127E-17	1.219E-12	9.453E-07	8.461E-19	1.218E-01	8.862E-07	3.391E-05	3.082E-01
2.600E+04	4.414E-01	2.930E-18	4.414E-13	5.002E-07	2.091E-19	9.801E-02	4.684E-07	2.548E-05	3.209E-01
2.700E+04	4.530E-01	7.889E-19	1.641E-13	2.687E-07	5.374E-20	7.946E-02	2.509E-07	1.909E-05	3.308E-01
2.800E+04	4.621E-01	2.214E-19	6.288E-14	1.470E-07	1.444E-20	6.508E-02	1.368E-07	1.432E-05	3.384E-01
2.900E+04	4.693E-01	6.501E-20	2.492E-14	8.201E-08	4.066E-21	5.385E-02	7.616E-08	1.080E-05	3.461E-01
3.000E+04	4.753E-01	1.998E-20	1.021E-14	4.665E-08	1.198E-21	4.507E-02	4.333E-08	8.198E-06	3.484E-01
3.100E+04	4.804E-01	6.421E-21	4.310E-15	2.701E-08	3.679E-22	3.814E-02	2.521E-08	6.272E-06	3.515E-01
3.200E+04	4.850E-01	2.152E-21	1.881E-15	1.589E-08	1.173E-22	3.262E-02	1.500E-08	4.838E-06	3.536E-01
3.300E+04	4.894E-01	7.489E-22	8.415E-16	9.471E-09	3.858E-23	2.818E-02	9.119E-09	3.764E-06	3.547E-01
3.400E+04	4.938E-01	2.697E-22	3.851E-16	5.702E-09	3.031E-23	2.456E-02	5.660E-09	2.953E-06	3.551E-01
3.500E+04	4.983E-01	1.000E-22	1.796E-16	3.457E-09	4.470E-24	2.159E-02	3.584E-09	2.333E-06	3.547E-01
3.600E+04	5.030E-01	3.807E-23	6.506E-17	2.105E-09	1.555E-24	1.912E-02	2.312E-09	1.860E-06	3.536E-01
3.700E+04	5.078E-01	1.481E-23	4.080E-17	1.205E-09	5.454E-25	1.705E-02	1.518E-09	1.494E-06	3.521E-01
3.800E+04	5.126E-01	5.877E-24	2.976E-17	7.846E-10	1.922E-25	1.530E-02	1.013E-09	1.208E-06	3.502E-01
3.900E+04	5.174E-01	2.373E-24	9.674E-18	4.791E-10	6.797E-26	1.380E-02	6.865E-10	9.845E-07	3.482E-01
4.000E+04	5.220E-01	9.743E-25	6.769E-18	2.926E-10	2.410E-26	1.252E-02	4.727E-10	8.080E-07	3.460E-01
4.100E+04	5.263E-01	4.060E-25	2.381E-18	1.788E-10	6.581E-27	1.404E-02	3.298E-10	6.679E-07	3.439E-01
4.200E+04	5.303E-01	1.725E-25	1.198E-18	1.094E-10	3.074E-27	1.043E-02	2.332E-10	5.560E-07	3.419E-01
4.300E+04	5.338E-01	7.441E-26	0.0851E-19	6.718E-11	1.110E-27	7.441E-03	1.670E-10	4.660E-07	3.400E-01
4.400E+04	5.370E-01	3.267E-26	3.127E-19	4.114E-11	4.051E-28	8.834E-03	1.210E-10	3.931E-07	3.384E-01
4.500E+04	5.384E-01	1.463E-26	1.626E-19	5.566E-11	1.498E-28	2.170E-03	8.862E-11	3.337E-07	3.370E-01
4.600E+04	5.424E-01	0.641E-27	5.558E-20	1.600E-11	5.615E-29	7.578E-03	6.562E-11	2.050E-07	3.357E-01
4.700E+04	5.466E-01	3.076E-27	4.563E-20	1.004E-11	2.138E-29	7.049E-03	4.908E-11	2.447E-07	3.345E-01
4.800E+04	5.467E-01	1.464E-27	2.463E-20	6.349E-12	8.267E-30	6.574E-03	3.705E-11	2.111E-07	3.334E-01
4.900E+04	5.486E-01	6.966E-28	1.346E-20	4.041E-12	3.240E-30	6.146E-03	2.022E-11	1.030E-07	3.324E-01
5.000E+04	5.505E-01	3.382E-28	7.442E-21	2.590E-12	1.295E-30	5.775E-03	2.168E-11	1.593E-07	3.313E-01

P/PO = 4.60E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.319E-01	1.533E-20	5.949E-35	1.732E-28	5.433E-22	2.761E-01	1.382E-18	1.000E-21
6.000E+02	0.	2.912E-01	3.108E-17	6.366E-29	2.694E-24	4.997E-18	5.316E-01	1.087E-18	3.312E-21
7.000E+02	0.	1.304E-01	4.942E-15	1.030E-24	1.621E-21	3.074E-15	6.767E-01	9.167E-19	8.000E-21
8.000E+02	0.	3.521E-02	1.689E-13	1.321E-21	1.558E-19	3.644E-13	2.336E-01	8.776E-19	1.000E-20
9.000E+02	0.	1.434E-02	3.913E-12	3.340E-19	9.047E-18	1.685E-11	7.392E-01	6.088E-19	3.076E-20
1.000E+03	0.	6.766E-03	2.581E-11	2.766E-17	7.988E-17	2.891E-10	7.644E-01	7.376E-19	6.271E-20
1.100E+03	0.	3.634E-03	1.534E-10	1.019E-15	7.613E-16	3.297E-09	7.473E-01	7.356E-19	9.607E-20
1.200E+03	0.	2.154E-03	6.723E-10	2.069E-14	4.984E-15	2.917E-08	7.484E-01	6.937E-19	1.351E-19
1.300E+03	0.	1.381E-03	3.342E-09	2.634E-13	2.449E-14	1.411E-07	7.499E-01	6.496E-19	1.777E-19
1.400E+03	0.	9.434E-04	6.818E-09	2.331E-12	6.611E-14	6.204E-07	7.493E-01	6.051E-19	2.215E-19
1.500E+03	0.	6.783E-04	1.720E-08	1.543E-11	3.152E-13	2.412E-07	7.495E-01	5.618E-19	2.644E-19
1.600E+03	2.582E-30	5.091E-06	3.864E-08	8.061E-11	8.940E-13	6.514E-06	7.496E-01	5.200E-19	3.062E-19
1.700E+03	2.3d3E-27	3.957E-04	7.891E-08	3.486E-10	1.749E-12	2.025E-05	7.497E-01	4.824E-19	3.450E-19
1.800E+03	1.048E-26	3.168E-06	1.608E-07	3.269E-09	5.111E-12	4.565E-05	7.497E-01	4.674E-19	3.007E-19
1.900E+03	2.466E-22	2.600E-04	2.625E-07	4.050E-09	1.068E-11	1.012E-4	7.497E-01	4.198E-19	4.133E-19
2.000E+03	3.275E-20	2.183E-04	4.376E-07	1.151E-08	2.086E-11	2.073E-04	7.497E-01	4.020E-19	4.596E-19
2.100E+03	1.210E-18	1.860E-04	6.947E-07	2.962E-08	3.802E-11	3.971E-04	7.495E-01	8.000E-19	1.142E-18
2.200E+03	1.173E-17	1.612E-04	1.057E-06	6.996E-08	6.632E-11	7.176E-16	7.493E-01	5.029E-18	7.316E-18
2.300E+03	7.779E-17	1.416E-04	1.551E-06	1.533E-07	1.099E-10	1.233E-03	7.488E-01	2.999E-17	4.780E-17
2.400E+03	4.323E-16	1.258E-04	2.203E-06	3.146E-07	1.767E-10	2.025E-03	7.481E-01	1.539E-16	2.736E-16
2.500E+03	2.094E-15	1.128E-04	3.081E-06	4.095E-07	2.679E-10	3.198E-03	7.471E-01	7.047E-16	1.369E-15
2.600E+03	9.001E-15	1.020E-04	4.091E-06	1.122E-06	3.975E-10	4.677E-03	7.457E-01	2.877E-15	6.062E-15
2.700E+03	3.4d0E-14	9.287E-05	3.708E-06	1.972E-06	5.728E-10	7.209E-03	7.436F-01	1.059E-14	2.408E-14
2.800E+03	1.224E-13	6.502E-05	6.925E-06	3.32dE-06	8.036E-10	1.036E-02	7.409E-01	3.557E-14	8.679E-14
2.900E+03	3.954E-13	7.817E-05	8.766E-06	5.412E-06	1.100E-09	1.452E-02	7.372E-01	1.100E-13	2.667E-13
3.000E+03	1.183E-12	7.212E-05	1.008E-05	8.512F-06	1.473E-09	1.988E-02	7.325E-01	3.154E-13	8.752E-13
3.100E+03	3.300E-12	6.665E-05	1.325E-05	1.298E-05	1.930E-09	2.665E-02	7.260E-01	8.522E-13	2.000E-12
3.200E+03	8.642E-12	6.168E-05	1.592F-05	1.923E-05	2.				

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N++*	N+++	N+++*	T
1.048E-05	1.901E+01	3.356E-02	2.209E-05	2.706E-04	3.345E-06	4.509E-16	0.	0.	0.	9.000E+03
1.209E-05	2.034E-01	2.758E-02	2.404E-05	3.706E-04	4.173E-06	1.159E-15	0.	0.	0.	9.200E+03
1.364E-05	2.092E-01	2.246E-02	2.566E-05	4.837E-04	5.104E-06	2.843E-15	0.	0.	0.	9.400E+03
1.575E-05	2.164E-01	1.817E-02	2.695E-05	6.203E-04	6.140E-06	6.683E-15	0.	0.	0.	9.600E+03
1.782E-05	2.223E-01	1.465E-02	2.792E-05	7.833E-04	7.279E-06	1.510E-14	0.	0.	0.	9.800E+03
2.005E-05	2.270E-01	1.179E-02	2.800E-05	9.756E-04	8.518E-06	3.291E-14	0.	0.	0.	1.000E+04
3.354E-05	2.340E-01	4.036E-03	2.916E-05	2.497E-03	1.614E-05	1.028E-12	0.	0.	0.	1.100E+04
5.036E-05	2.377E-01	1.501E-03	2.723E-05	5.298E-03	2.577E-05	1.781E-11	0.	0.	0.	1.200E+04
6.908E-05	2.316E-01	6.119E-04	2.452E-05	9.871E-03	3.652E-05	1.990E-10	0.	0.	0.	1.300E+04
8.745E-05	2.237E-01	2.677E-04	2.141E-05	1.661E-02	4.694E-05	1.581E-09	1.597E-23	0.	0.	1.400E+04
1.028E-04	2.054E-01	1.222E-04	1.805E-05	2.569E-02	5.529E-05	9.560E-09	1.026E-21	0.	0.	1.500E+04
1.127E-04	1.461E-01	5.745E-05	1.461E-05	3.691E-02	6.001E-05	4.627E-08	4.01E-20	0.	0.	1.600E+04
1.154E-04	1.636E-01	2.701E-05	1.130E-05	4.971E-02	0.023E-05	1.862E-07	1.040E-18	0.	0.	1.700E+04
1.165E-04	1.349E-01	1.257E-05	8.313E-06	5.317E-02	5.508E-05	6.421E-07	1.957E-17	0.	0.	1.800E+04
9.934E-05	1.152E-01	5.735E-06	5.822E-06	7.623E-02	4.865E-05	1.944E-06	2.762E-16	0.	0.	1.900E+04
8.614E-05	9.251E-02	4.562E-06	3.894E-06	8.795E-02	3.969E-05	5.271E-06	3.001E-15	0.	0.	2.000E+04
6.701E-05	7.264E-02	1.125E-06	2.512E-06	9.177E-02	3.069E-05	1.302E-05	2.812E-14	0.	0.	2.100E+04
5.200E-05	5.134E-02	4.892E-07	1.577E-06	1.054E-01	2.276E-05	2.972E-05	2.160E-13	0.	0.	2.200E+04
3.608E-05	4.301E-02	2.131E-07	9.750E-07	1.111E-01	1.661E-05	6.342E-05	1.428E-12	0.	0.	2.300E+04
2.811E-05	3.291E-02	9.349E-08	6.004E-07	1.515E-01	1.162E-05	1.278E-04	8.274E-12	0.	0.	2.400E+04
2.016E-05	2.522E-02	4.223E-08	3.712E-07	1.178E-01	8.175E-06	2.464E-05	4.258E-13	0.	0.	2.500E+04
1.440E-05	1.457E-02	1.448E-08	2.318E-07	1.196E-01	5.757E-06	4.684E-06	1.955E-10	0.	0.	2.600E+04
1.333E-05	1.533E-02	9.243E-09	1.467E-07	1.207E-01	4.066E-05	7.888E-04	8.254E-10	0.	0.	2.700E+04
7.419E-06	1.204E-02	4.514E-06	9.411E-08	1.211E-01	2.899E-05	1.337E-03	3.162E-09	0.	0.	2.800E+04
5.443E-06	6.653E-03	2.266E-09	6.118E-08	1.208E-01	2.087E-04	2.188E-03	1.114E-08	0.	0.	2.900E+04
3.988E-06	7.777E-03	1.165E-09	4.021E-08	1.199E-01	5.171E-07	3.462E-05	3.627E-08	0.	0.	3.000E+04
2.969E-06	6.311E-03	6.111E-10	2.663E-08	1.183E-01	1.112E-06	5.302E-03	1.097E-07	0.	0.	3.100E+04
2.278E-06	5.164E-03	3.280E-06	1.769E-08	1.157E-01	6.217E-07	7.866E-03	3.789E-07	0.	0.	3.200E+04
1.765E-06	4.705E-03	1.755E-13	1.174E-08	1.122E-01	6.191E-07	1.128E-02	8.127E-07	0.	0.	3.300E+04
1.392E-06	3.433E-03	9.630E-11	7.746E-09	1.074E-01	4.561E-07	1.566E-02	2.002E-06	0.	0.	3.400E+04
1.117E-06	2.794E-03	5.124E-11	5.052E-09	1.016E-01	3.381E-07	2.104F-02	4.627E-06	3.149E-13	0.	3.500E+04
9.159E-07	2.260E-03	2.751E-11	3.266E-09	9.463E-02	2.511E-07	2.733E-02	1.006E-05	1.454E-12	0.	3.600E+04
7.548E-07	1.815E-03	1.452E-11	2.049E-09	8.635E-02	1.857E-07	1.437E-02	2.061E-05	6.081E-12	0.	3.700E+04
6.347E-07	1.445E-03	7.683E-12	1.269E-09	7.847E-02	1.366E-07	4.189E-02	3.999E-05	2.319E-11	0.	3.800E+04
5.610E-07	1.139E-03	3.935E-12	7.707E-09	6.986E-02	9.986E-06	6.498E-07	7.365E-05	6.124E-11	0.	3.900E+04
4.667E-07	4.711E-14	2.433E-12	4.595E-10	6.135E-02	7.252E-08	5.713E-02	1.296E-04	2.632E-10	0.	4.000E+04
4.070E-07	6.916E-04	1.037E-12	2.732E-10	5.326E-02	5.238E-08	6.426E-02	2.183E-04	7.940E-10	0.	4.100E+04
3.584E-07	5.334E-13	5.221E-13	1.364E-10	4.578E-02	3.767E-08	7.077E-02	3.540E-04	2.246E-09	0.	4.200E+04
3.144E-07	2.794E-06	2.618E-13	9.032E-11	3.935E-02	2.707E-08	7.657E-02	5.547E-04	5.949E-09	0.	4.300E+04
2.469E-07	3.131E-04	3.131E-13	5.171E-11	3.312E-02	1.932E-02	8.147E-02	8.432E-04	1.514E-08	0.	4.400E+04
2.500E-07	2.333E-04	6.571E-14	2.953E-11	2.797E-02	1.383E-08	4.558E-02	1.247E-03	3.647E-08	0.	4.500E+04
2.328E-07	1.827E-14	3.336E-14	1.086E-11	2.557E-02	9.923E-09	8.886E-02	1.799E-02	8.402E-08	0.	4.600E+04
2.122E-07	1.395E-04	1.671E-14	9.648E-12	1.982E-02	7.106E-09	9.135E-02	2.535E-03	1.857E-07	0.	4.700E+04
1.943E-07	1.166E-04	8.532E-15	5.535E-12	1.666E-02	5.111E-09	9.305E-02	1.508E-03	3.950E-07	0.	4.800E+04
1.767E-07	8.163E-05	4.353E-15	3.186E-12	1.394E-02	3.686E-09	9.411E-02	4.753E-03	8.107E-07	0.	4.900E+04
1.650E-07	6.252E-05	2.241E-15	1.804E-12	1.174E-02	2.666E-09	9.424E-02	6.322E-03	1.606E-06	0.	5.000E+04

P/PD = 4.60E+01

H-	N	N2	N2+	N+	N-	N++	N++*	N+++	N+++*	T
0.	0.	9.203E-02	6.604E-21	0.	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.712E-01	9.300E-21	0.	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.249E-01	1.171E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	1.313E-29	2.412E-01	1.510E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	3.751E-26	2.466E-01	1.826E-20	0.	0.	0.	0.	0.	0.	9.000E+02
0.	2.105E-23	2.483E-01	2.102E-20	0.	0.	0.	0.	0.	0.	1.000E+03
0.	4.311E-21	2.491E-01	2.318E-20	0.	0.	0.	0.	0.	0.	1.100E+03
0.	3.102E-19	2.495E-01	2.465E-20	8.566E-34	0.	0.	0.	0.	0.	1.200E+03
0.	1.232E-17	2.497E-01	2.549E-20	1.604E-32	0.	0.	0.	0.	0.	1.300E+03
0.	2.497E-16	2.498E-01	2.578E-20	1.946E-31	0.	0.	0.	0.	0.	1.400E+03
0.	4.482E-15	2.498E-01	2.564E-20	1.670E-30	0.	0.	0.	0.	0.	1.500E+03
0.	4.931E-14	2.499E-01	2.525E-20	1.088E-29	0.	0.	0.	0.	0.	1.600E+03
0.	4.397E-13	2.499E-01	2.495E-20	5.587E-29	0.	0.	0.	0.	0.	1.700E+03
0.	2.644E-25	2.499E-01	2.377E-20	2.302E-28	0.	0.	0.	0.	0.	1.800E+03
0.	1.010E-22	2.499E-01	2.292E-20	2.858E-27	0.	0.	0.	0.	0.	1.900E+03
0.	5.144E-21	2.499E-01	5.170E-20	1.901E-26	1.025E-28	0.	0.	0.	0.	2.000E+03
0.	2.045E-10	2.499E-01	3.024E-19	2.977E-25	3.192E-27	0.	0.	0.	0.	2.100E+03
0.	6.654E-10	2.499E-01	3.024E-19	6.114E-25	6.114E-23	0.	0.	0.	0.	2.200E+03
0.	5.713E-14	2.499E-01	1.024E-18	5.324E-23	9.071E-25	0.	0.	0.	0.	2.300E+03
0.	2.357E-17	2.146E-04	4.525E-17	5.302E-22	1.073E-23	0.	0.	0.	0.	2.500E+03
0.	1.247E-16	2.228E-04	2.496E-01	1.881E-16	6.435E-21	1.048E-22	0.	0.	0.	2.600E+03
0.	5.732E-16	1.192E-07	2.451E-01	7.048E-16	3.176E-20	8.637E-22	0.	0.	0.	2.700E+03
0.	2.335E-15	2.264E-07	2.447E-01	2.407E-15	1.977E-19	6.114E-21	0.	0.	0.	2.800E+03
0.	8.700E-15	5.231E-07	2.442E-01	7.563E-15	1.047E-18	3.776E-20	0.	0.	0.	2.900E+03
0.	2.944E-14	1.314E-06	2.475E-01	2.205E-14	5.346E-18	2.062E-19	0.	0.	0.	3.000E+03
0.	9.401E-14	1.048E-06	2.466E-01	6.009E-16	2.375E-17	1.007E-18	0.	0.	0.	3.100E+03
0.	2.741E-13	3.349E-09	2.456E-01	1.540E-13	9.625E-17	4.467E-18	0.	0.	0.	3.200E+03
0.	7.465E-13	9.675E-06	2.443E-01	3.732E-13	3.539E-16	1.791E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NPC	NH	N2H2	H	H2	H2+	H+
3.600E+03	5.009E-11	5.281E-05	2.200E-05	3.926E-05	3.877E-09	5.754E-02	6.996E-01	1.145E-11	3.969E-11
3.500E+03	1.119E-10	4.876E-05	2.534E-05	5.417E-05	4.722E-09	7.199E-02	6.869E-01	2.465E-11	8.995E-11
3.600E+03	2.390E-10	4.491E-05	2.881E-05	7.322E-05	5.658E-09	8.877E-02	6.722E-01	5.076E-11	1.940E-10
3.700E+03	6.898E-10	4.122E-05	3.233E-05	9.705E-05	6.671E-09	1.080E-01	6.554E-01	1.003E-10	4.045E-10
3.800E+03	9.664E-10	3.767E-05	3.584E-05	1.263E-04	7.744E-09	1.297E-01	6.364E-01	1.900E-10	8.081E-10
3.900E+03	1.846E-09	3.424E-05	3.924E-05	1.615E-04	8.854E-09	1.539E-01	6.152E-01	3.495E-10	1.557E-09
4.000E+03	3.391E-09	3.098E-05	4.244E-05	2.032E-04	9.974E-09	1.804E-01	5.919E-01	6.192E-10	2.901E-09
4.100E+03	6.059E-09	2.784E-05	4.536E-05	2.517E-04	1.107E-08	2.092E-01	5.667E-01	1.063E-09	5.239E-09
4.200E+03	1.052E-08	2.485E-05	4.792E-05	3.072E-04	1.212E-08	2.401E-01	5.396E-01	1.769E-09	9.190E-09
4.300E+03	1.778E-08	2.202E-05	5.005E-05	3.696E-04	1.308E-08	2.727E-01	5.110E-01	2.886E-09	1.566E-08
4.400E+03	2.932E-08	1.937E-05	5.168E-05	4.388E-04	1.393E-08	3.067E-01	4.812E-01	4.506E-09	2.608E-08
4.500E+03	4.720E-08	1.690E-05	5.278E-05	5.144E-04	1.464E-08	3.617E-01	4.950E-01	6.914E-09	4.235E-08
4.600E+03	7.432E-08	1.463E-05	5.332E-05	5.959E-04	1.520E-08	3.773E-01	4.192E-01	1.035E-08	6.721E-08
4.700E+03	1.146E-07	1.256E-05	5.332E-05	6.822E-04	1.559E-08	4.131E-01	3.878E-01	1.514E-08	1.044E-07
4.800E+03	1.733E-07	1.070E-05	5.280E-05	7.728E-04	1.581E-08	4.405E-01	3.967E-01	2.167E-08	1.990E-07
4.900E+03	2.573E-07	9.050E-06	5.180E-05	8.667E-04	1.586E-08	4.831E-01	3.262E-01	3.037E-08	2.374E-07
5.000E+03	3.755E-07	7.599E-06	5.037E-05	9.629E-04	1.576E-08	5.166E-01	2.967E-01	4.173E-08	3.484E-07
5.100E+03	7.620E-07	5.257E-06	4.650E-05	1.159E-03	5.151E-08	5.787E-01	2.410E-01	7.461E-08	7.136E-07
5.200E+03	1.464E-06	3.562E-06	4.180E-05	1.353E-03	1.413E-08	6.320E-01	1.939E-01	1.249E-07	1.376E-06
5.300E+03	2.458E-06	2.378E-06	3.677E-05	1.542E-03	2.088E-08	6.779E-01	1.534E-01	1.976E-07	2.517E-06
5.400E+03	4.627E-06	1.575E-06	3.185E-05	1.722E-03	1.154E-08	7.143E-01	1.205E-01	2.978E-07	4.392E-06
6.000E+03	7.175E-06	1.041E-06	2.727E-05	1.889E-03	1.019E-08	7.426E-01	9.420E-02	4.304E-07	7.390E-06
6.200E+03	1.252E-05	6.888E-07	2.318E-05	2.046E-03	8.919E-09	7.640E-01	7.363E-02	6.003E-07	1.185E-05
6.400E+03	1.949E-05	4.577E-07	1.900E-05	2.183E-03	7.740E-09	7.796E-01	5.769E-02	8.125E-07	1.849E-05
6.600E+03	2.949E-05	3.063E-07	1.652E-05	2.305E-03	6.688E-09	7.905E-01	4.539E-02	1.071E-06	2.801E-05
6.800E+03	4.460E-05	2.065E-07	1.389E-05	2.409E-03	5.704E-09	7.976E-01	3.591E-02	1.381E-04	4.130E-05
7.000E+03	6.496E-05	1.602E-07	1.165E-05	2.492E-03	4.844E-09	8.011E-01	2.859E-02	1.765E-06	5.943E-05
7.200E+03	9.276E-05	9.590E-08	9.733E-06	2.552E-03	4.080E-09	8.031E-01	2.292E-02	2.166E-06	8.365E-05
7.400E+03	1.301E-04	6.633E-08	8.165E-06	2.588E-03	3.405E-09	8.026E-01	1.849E-02	2.647E-04	1.154E-04
7.600E+03	1.794E-04	4.572E-08	6.785E-06	2.599E-03	2.814E-09	8.005E-01	1.503E-02	3.189E-04	1.583E-04
7.800E+03	2.438E-04	3.182E-08	5.636E-06	2.586E-03	2.301E-09	7.971E-01	1.230E-02	3.793E-06	2.081E-04
8.000E+03	3.265E-04	2.225E-08	4.664E-06	2.544E-03	1.860E-09	7.929E-01	1.014E-02	4.467E-06	2.730E-04
8.200E+03	4.315E-04	1.563E-08	3.849E-06	2.480E-03	1.485E-09	7.881E-01	8.416E-03	5.207E-06	3.531E-04
8.400E+03	5.613E-04	1.102E-08	3.167E-06	2.395E-03	1.173E-09	7.830E-01	7.037E-03	6.021E-04	4.512E-04
8.600E+03	7.269E-04	7.808E-09	2.599E-06	2.293E-03	9.161E-10	7.778E-01	5.927E-03	6.915E-06	5.701E-04
8.800E+03	9.277E-04	5.555E-09	2.129E-06	2.178E-03	7.085E-10	7.729E-01	5.029E-03	7.895E-06	7.132E-04
9.000E+03	1.172E-03	3.174E-09	1.761E-06	2.053E-03	5.433E-10	7.602E-01	4.298E-03	8.969E-06	8.843E-04
9.200E+03	1.465E-03	2.865E-09	1.424E-06	1.924E-03	4.139E-10	7.640E-01	3.720E-03	1.015E-05	1.087E-03
9.400E+03	1.815E-03	2.076E-09	1.165E-06	1.795E-03	3.135E-10	7.602E-01	3.206E-03	1.144E-05	1.327E-03
9.600E+03	2.230E-03	1.515E-09	9.347E-07	1.668E-03	2.374E-10	7.569E-01	2.797E-03	1.285E-05	1.600E-03
9.800E+03	2.716E-03	1.114E-09	7.839E-07	1.566E-03	1.794E-10	7.539E-01	2.454E-03	1.438E-05	1.936E-03
1.000E+04	3.293E-03	8.252E-10	6.455E-07	1.430E-03	1.357E-10	7.513E-01	2.165E-03	1.605E-05	2.316E-03
1.020E+04	6.655E-03	2.361E-10	2.517E-07	9.652E-04	3.525E-11	7.404E-01	1.239E-03	2.667E-05	5.210F-03
1.040E+04	1.553E-02	6.076E-11	1.212E-07	6.633E-04	1.025E-11	7.200E-01	7.666E-04	4.037E-05	1.030E-02
1.060E+04	2.826E-02	2.020E-11	5.228E-06	6.648E-04	3.299E-12	7.298E-01	4.976E-04	5.720E-05	1.063E-02
1.080E+04	4.704E-02	7.234E-12	2.539E-06	3.282E-04	1.035E-12	6.035E-01	3.305E-04	7.570E-05	3.081E-02
1.100E+04	7.262E-02	2.679E-12	1.249E-08	2.300E-04	3.985E-13	6.767E-01	2.214E-04	9.386E-05	4.746E-02
1.120E+04	1.350E-01	4.911E-09	6.028E-09	1.578E-04	1.392E-13	6.019E-01	1.469E-04	1.092E-04	6.887E-02
1.140E+04	1.435E-01	3.560E-13	2.073E-09	1.048E-04	4.694E-14	5.747E-01	9.567E-05	1.194E-04	9.465E-02
1.160E+04	1.616E-01	1.216E-13	1.297E-09	6.683E-05	1.495E-15	4.861E-01	6.017E-05	1.224E-04	1.240E-01
1.180E+04	2.300E-01	3.892E-14	5.553E-10	6.012E-05	4.644E-15	4.214E-01	3.658E-05	1.105E-04	1.554E-01
1.200E+04	2.742E-01	1.164E-14	2.268E-10	2.372E-05	1.231E-15	3.569E-01	2.140E-05	1.081E-04	1.872E-01
1.210E+04	3.146E-01	3.265E-15	8.676E-11	1.327E-05	3.201E-16	2.961E-01	1.208E-05	9.350E-05	2.177E-01
1.220E+04	3.502E-01	8.707E-16	3.196E-11	7.193E-06	7.928E-17	2.617E-01	1.050E-06	7.727E-05	2.455E-01
1.230E+04	3.802E-01	2.247E-16	1.515E-11	9.819E-06	1.910E-07	1.951E-01	3.937E-06	6.150E-05	2.698E-01
1.240E+04	4.047E-01	5.726E-17	4.107E-12	2.009E-06	4.573E-18	1.567E-01	1.871E-06	4.773E-05	2.898E-01
1.250E+04	4.261E-01	1.469E-17	1.472E-12	1.050E-06	1.017E-18	1.250E-01	9.873E-07	3.633E-05	3.041E-01
1.260E+04	4.393E-01	3.851E-18	5.364E-13	9.619E-07	2.759E-19	1.014E-01	5.242E-07	2.740E-05	3.191E-01
1.270E+04	4.512E-01	1.044E-18	2.073E-13	3.028E-07	7.131E-20	8.233E-02	2.818E-07	2.059E-05	3.292E-01
1.280E+04	4.606E-01	2.946E-19	7.711E-14	1.661E-07	1.928E-20	6.752E-02	1.561E-07	1.568E-05	3.370E-01
1.290E+04	4.680E-01	6.690E-20	3.066E-14	9.289E-08	5.452E-21	5.595E-02	8.597E-08	1.169E-05	3.430E-01
1.300E+04	4.762E-01	2.681E-20	1.202E-14	5.296E-08	1.613E-21	4.688E-02	4.930E-08	8.890E-06	3.475E-01
1.310E+04	4.794E-01	8.646E-21	5.343E-15	3.071E-08	4.972E-22	3.970E-02	2.656E-08	6.810E-06	3.507E-01
1.320E+04	4.841E-01	2.906E-21	2.334E-15	1.812E-08	1.591E-22	3.398E-02	1.701E-08	5.259E-06	3.529E-01
1.330E+04	4.885E-01	1.014E-21	1.066E-15	1.081E-08	9.259E-23	2.936E-02	1.030E-08	4.095E-06	3.532E-01
1.340E+04	5.026E-01	3.664E-22	6.600E-16	6.523E-09	1.780E-23	2.560E-02	6.431E-09	3.213E-06	3.547E-01
1.350E+04	5.021E-01	5.202E-23	1.067E-16	2.421E-09	2.149E-24	2.521E-02	6.074E-09	2.564E-06	3.544E-01
1.360E+04	5.368E-01	2.033E-23	5.133E-17	1.402E-09	5.784E-25	1.779E-02	1.727E-09	1.429E-06	3.521E-01
1.370E+04	5.117E-01	8.094E-24	2.493E-17	9.077E-10	2.669E-25	1.597E-02	1.154E-09	1.318E-06	3.503E-01
1.380E+04	5.165E-01	3.280E-24	1.223E-17	5.561E-10	9.571E-26	1.441E-02	7.825E-10	1.075E-06	3.482E-01
1.390E+04	5.211E-01	1.351E-24	6.060E-18	3.407E-10	3.414E-26	1.307E-02	5.306E-10	8.022E-07	3.461E-01
1.400E+04	5.256E-01	5.659E-25	3.035E-18	2.008E-10	1.224E-26	1.191E-02	3.760E-10	7.294E-07	3.440E-01
1.410E+04	5.336E-01	1.363E-22	2.245E-19	3.964E-09	6.144E-24	2.521E-02	6.074E-09	2.659E-07	3.420E-01
1.420E+04	5.301E-01	3.311E-23	7.804E-20	7.870E-11	1.601E-27	1.001E-02	1.904E-10	5.090E-07	3.402E-01
1.430E+04	5.363E-01	4.507E-26	4.020E-19	4.876E-11	5.872E-28	9.227E-03	1.308E-10	4.295E-07	3.385E-01
1.440E+04	5.392E-01	2.059E-26	2.095E						

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
1.911E-12	9.632E-06	2.420E-01	8.595E-13	1.240E-15	6.632E-17	0.	0.	0.	3.400E+03
4.617E-12	1.597E-05	2.409E-01	1.889E-12	3.999E-15	2.273E-16	0.	0.	0.	3.500E+03
1.056E-11	2.523E-05	2.386E-01	3.979E-12	1.210E-14	7.260E-16	0.	0.	0.	3.600E+03
2.309E-11	3.886E-05	2.364E-01	8.056E-12	3.452E-14	2.170E-15	C.	0.	0.	3.700E+03
4.312E-11	5.847E-05	2.337E-01	1.573E-11	9.336E-14	6.107E-15	0.	0.	0.	3.800E+03
9.809E-11	8.608E-05	2.304E-01	2.969E-11	2.402E-13	1.624E-14	0.	0.	0.	3.900E+03
1.844E-10	1.242E-04	2.272E-01	5.434E-11	5.904E-13	4.10CE-14	0.	0.	0.	4.000E+03
3.407E-10	1.758E-04	2.234E-01	9.666E-11	1.391E-12	5.860E-14	0.	0.	0.	4.100E+03
6.077E-10	2.447E-04	2.197E-01	1.673E-10	3.151E-12	2.266E-13	0.	0.	0.	4.200E+03
1.049E-09	3.349E-04	2.155E-01	2.827E-10	6.882E-12	4.994E-13	0.	0.	0.	4.300E+03
1.753E-09	4.516E-04	2.111E-01	4.668E-10	1.453E-11	1.058E-12	0.	0.	0.	4.400E+03
2.846E-09	8.306E-04	2.066E-01	7.566E-10	2.974E-11	2.155E-12	0.	0.	0.	4.500E+03
4.491E-09	7.874E-04	2.020E-01	1.196E-09	5.909E-11	4.255E-12	0.	0.	0.	4.600E+03
6.903E-09	1.021E-03	1.974E-01	1.882E-09	1.143E-10	8.121E-12	0.	0.	0.	4.700E+03
1.035E-08	1.309E-03	1.927E-01	2.849E-09	2.154E-10	1.503E-11	0.	0.	0.	4.800E+03
1.515E-08	1.660E-03	1.881E-01	4.293E-09	3.966E-10	2.719E-11	0.	0.	0.	4.900E+03
2.169E-08	2.084E-03	1.836E-01	6.376E-09	7.141E-10	4.770E-11	0.	0.	0.	5.000E+03
4.182E-08	3.230E-03	1.751E-01	1.352E-08	1.718E-09	1.365E-10	0.	0.	0.	5.200E+03
7.495E-08	4.760E-03	1.672E-01	2.735E-08	6.166E-09	3.582E-10	0.	0.	0.	5.400E+03
1.261E-07	6.886E-03	1.602E-01	5.306E-08	1.634E-08	8.705E-10	0.	0.	0.	5.600E+03
2.008E-07	9.717E-03	1.538E-01	9.902E-08	4.076E-08	1.977E-09	0.	0.	0.	5.800E+03
3.055E-07	1.340E-02	1.478E-01	1.782E-07	9.607E-08	4.229E-09	4.449E-26	0.	0.	6.000E+03
4.468E-07	1.810E-02	1.421E-01	3.096E-07	2.151E-07	8.571E-09	4.231E-25	0.	0.	6.200E+03
6.322E-07	2.396E-02	1.365E-01	5.196E-07	4.586E-07	1.654E-08	3.912E-24	0.	0.	6.400E+03
8.691E-07	3.111E-02	1.306E-01	8.431E-07	9.338E-07	3.051E-08	2.970E-23	0.	0.	6.600E+03
1.166E-06	3.967E-02	1.243E-01	1.323E-06	1.820E-06	5.402E-08	1.672E-22	0.	0.	6.800E+03
1.531E-06	4.967E-02	1.175E-01	2.007E-06	3.405E-06	9.202E-08	9.758E-22	0.	0.	7.000E+03
1.972E-06	6.112E-02	1.101E-01	2.945E-06	6.123E-06	1.512E-07	5.142E-21	0.	0.	7.200E+03
2.498E-06	7.391E-02	1.021E-01	1.814E-06	1.040E-05	2.401E-07	2.464E-20	0.	0.	7.400E+03
3.117E-06	8.780E-02	9.364E-02	5.743E-06	1.772E-05	3.692E-07	1.080E-19	0.	0.	7.600E+03
3.838E-06	1.027E-01	8.476E-02	7.635E-06	2.861E-05	5.503E-07	4.354E-19	0.	0.	7.800E+03
4.668E-06	1.181E-01	7.565E-02	9.878E-06	4.740E-05	7.963E-07	1.623E-18	0.	0.	8.000E+03
5.615E-06	1.336E-01	6.654E-02	1.226E-05	6.770E-05	1.120E-06	5.625E-18	0.	0.	8.200E+03
6.687E-06	1.486E-01	5.767E-02	1.483E-05	9.956E-05	1.933E-06	1.820E-17	0.	0.	8.400E+03
7.856E-06	1.632E-01	4.925E-02	1.742E-05	1.424E-05	2.046E-06	5.526E-17	0.	0.	8.600E+03
9.233E-06	1.766E-01	4.149E-02	1.992E-05	1.985E-05	2.665E-06	1.581E-16	0.	0.	8.800E+03
1.072E-05	1.885E-01	3.452E-02	2.222E-05	2.703E-04	3.393E-06	4.281E-16	0.	0.	9.000E+03
1.236E-05	1.990E-01	2.861E-02	2.424E-05	3.600E-04	4.233E-06	4.102E-15	0.	0.	9.200E+03
1.415E-05	2.079E-01	2.319E-02	2.593E-05	4.703E-04	5.184E-06	2.706E-15	0.	0.	9.400E+03
1.611E-05	2.153E-01	1.881E-02	2.728E-05	6.038E-04	6.243E-06	6.369E-15	0.	0.	9.600E+03
1.822E-05	2.214E-01	1.519E-02	2.831E-05	7.631E-04	7.409E-06	1.439E-14	0.	0.	9.800E+03
2.050E-05	2.262E-01	1.224E-02	2.905E-05	9.512E-04	8.678E-06	3.139E-14	0.	0.	1.000E+04
3.430E-05	2.378E-01	4.211E-03	2.970E-05	2.644E-03	1.664E-05	9.823E-13	0.	0.	1.100E+04
5.154E-05	2.378E-01	1.570E-03	2.785E-05	5.182E-03	2.637E-05	1.703E-11	0.	0.	1.200E+04
7.076E-05	4.319E-01	6.413E-04	2.512E-05	9.661E-03	3.741E-05	1.904E-10	0.	0.	1.300E+04
8.470E-05	2.212E-01	2.813E-04	2.198E-05	1.627E-02	4.617E-05	1.513E-09	1.493E-23	0.	1.400E+04
1.057E-04	2.063E-01	1.293E-04	1.858E-05	2.518E-02	5.687E-05	9.150E-09	9.584E-22	0.	1.500E+04
1.161E-04	1.873E-01	6.083E-05	1.509E-05	3.623E-02	6.192E-05	4.430E-08	3.750E-20	0.	1.600E+04
1.193E-04	1.651E-01	2.076E-05	1.172E-05	4.887E-02	6.238E-05	1.784E-07	2.782E-19	0.	1.700E+04
1.147E-04	1.411E-01	1.347E-05	0.667E-05	6.222E-02	5.836E-05	1.154E-07	1.825E-17	0.	1.800E+04
1.036E-04	1.170E-01	6.192E-06	6.105E-06	5.752E-02	5.094E-05	1.864E-06	2.473E-16	0.	1.900E+04
8.816E-05	9.439E-02	2.788E-06	4.111E-06	8.701E-02	4.177E-06	5.056E-05	2.655E-15	0.	2.000E+04
7.122E-05	7.441E-02	1.234E-06	2.667E-06	9.690E-02	3.248E-05	1.249E-05	2.611E-14	0.	2.100E+04
5.507E-05	5.771E-02	5.407E-07	1.684E-06	1.047E-01	2.422E-05	2.852E-05	2.003E-13	0.	2.200E+04
4.116E-05	4.437E-02	3.271E-07	1.046E-06	1.105E-01	1.754E-05	6.087E-05	3.322E-12	0.	2.300E+04
3.035E-05	3.434E-02	1.051E-07	6.646E-07	1.147E-01	1.264E-05	1.226E-04	7.649E-12	0.	2.400E+04
2.164E-05	2.621E-02	4.745E-08	4.013E-07	1.175E-01	8.810E-06	2.348E-06	3.931E-11	0.	2.500E+04
1.550E-05	2.032E-02	2.197E-07	2.513E-07	1.194E-01	6.215E-06	4.301E-06	1.815E-10	0.	2.600E+04
1.112E-05	1.591E-02	1.046E-06	1.593E-07	1.205E-01	4.404E-06	7.516E-06	7.602E-10	0.	2.700E+04
8.025E-06	1.259E-02	5.119E-09	1.024E-07	1.210E-01	3.146E-06	1.282E-03	2.910E-09	0.	2.800E+04
5.854E-06	1.006E-02	2.575E-09	6.669E-08	1.208E-01	2.626E-06	2.099E-05	1.025E-08	0.	2.900E+04
4.326E-06	8.117E-03	1.327E-09	4.390E-08	1.230E-01	1.651E-05	3.322E-06	3.337E-08	0.	3.000E+04
3.246E-06	6.594E-03	6.982E-10	2.913E-08	1.185E-01	1.213E-05	5.090E-03	1.009E-07	0.	3.100E+04
2.675E-06	5.713E-03	1.990E-10	1.160E-01	8.707E-07	7.553E-03	2.445E-07	3.200E+04	0.	3.200E+04
1.919E-06	4.642E-03	2.014E-10	1.291E-08	1.126E-01	6.707E-07	1.085E-02	7.493E-07	0.	3.300E+04
1.514E-06	3.630E-03	1.039E-10	8.547E-09	1.040E-01	6.974E-07	1.509E-02	1.849E-06	0.	3.400E+04
1.215E-06	2.938E-03	5.927E-11	5.509E-09	1.024E-01	3.711E-07	2.032E-02	4.262F-06	2.793F-13	3.500E+04
9.916E-07	2.389E-03	3.197E-11	3.615E-09	9.563E-02	2.763E-07	2.646E-02	9.329E-06	1.243F-12	3.600E+04
8.219E-07	1.919E-03	1.709E-11	2.294E-09	8.798E-02	2.049E-07	3.337E-02	1.910E-05	5.421E-12	3.700E+04
6.913E-07	1.532E-03	9.029E-12	1.429E-09	7.972E-02	1.512E-07	4.079E-02	3.711E-05	2.074E-11	3.800E+04
5.893E-07	1.212E-03	6.712E-12	6.731E-09	7.119E-02	1.108E-07	4.842E-02	6.895E-05	7.284E-11	3.900E+04
5.005E-07	4.506E-04	2.442E-12	6.271E-09	6.074E-02	8.074E-08	5.595E-02	1.214E-04	2.366F-10	4.000E+04
4.636E-07	7.399E-06	1.240E-12	3.098E-10	5.659E-02	5.849E-08	6.311E-02	2.054E-04	7.150E-10	4.100E+04
3.907E-07	5.722E-06	6.283E-13	1.809E-10	4.705E-02	4.218E-08	6.968E-02	3.339E-04	2.024E-09	4.200E+04
3.471E-07	4.434E-06	3.167E-13	1.047E-10	4.023E-02	3.032E-08	7.553E-02	5.244E-04	5.623E-09	4.300F+04
3.140E-07	3.378E-04	1.543E-13	6.019E-11	3.420E-02	2.176E-08	8.059E-02	7.988E-04	1.374E-08	4.400E+04
2.831E-07	2.586E-06	8.021E-14	3.452E-11	2.895E-02	1.56CE-08	8.481E-02	1.104E-03	3.315E-08	4.500E+04
2.540E-07	1.970E-06	4.051E-14	1.979E-11	2.443E-02	1.120E-08	8.822E-02	1.711E-03	7.644E-08	4.600E+04
2.315E-07	1.513E-06	2.355E-14	1.136E-11	2.059E-02	8.045E-09	9.083E-02	2.617E-03	1.697E-07	4.700E+04
2.120E-07	1.150E-06	1.649E-14	6.531E-12	1.733E-02	5.799E-09	9.267E-02	3.344E-03	3.605E-07	4.800E+04
1.950E-07	8.670E-05	5.308E-15	3.775E-12	1.657E-02	4.108E-09	9.376E-02	6.538E-03	7.405E-07	4.900E+04
1.801E-07	6.613E-05	2.765E-15	2.187E-12	1.225E-02	3.034E-09	9.412E-02	6.044E-03	1.470E-06	5.000E+04

TABLE II.- Continued

P/PO = 4.80E+01

T	E-	NM3	NM2	NM	NM2	H	H2	H2+	H+
5.000E+02	0.	6.379E-01	1.520E-20	5.851E-39	1.749E-20	5.275E-22	2.716E-01	1.387E-18	1.070E-21
6.000E+02	0.	2.980E-01	3.129E-17	6.323E-29	2.757E-24	6.889E-10	5.265E-01	1.093E-18	3.275E-21
7.000E+02	0.	1.039E-01	5.019E-15	1.020E-24	1.678E-21	3.004E-15	6.721E-01	9.198E-19	8.267E-21
8.000E+02	0.	3.663E-02	1.805E-13	1.319E-21	1.621E-19	3.564E-13	7.225E-01	8.491E-19	1.853E-20
9.000E+02	0.	1.494E-02	2.973E-12	3.338E-19	5.260E-18	1.453E-11	7.388E-01	8.100E-19	9.605E-20
1.000E+03	0.	7.077E-03	2.635E-11	2.765E-17	8.331E-17	2.830E-10	7.447E-01	7.751E-19	6.152E-20
1.100E+03	0.	3.795E-03	1.566E-10	1.018E-15	7.942E-16	3.227E-09	7.472E-01	7.373E-19	9.429E-20
1.200E+03	0.	2.248E-03	6.867E-10	2.069E-14	5.200E-15	2.464E-09	7.483E-01	6.960E-19	1.327E-19
1.300E+03	0.	1.441E-03	2.393E-09	2.634E-13	2.555E-14	1.381E-07	7.489E-01	6.525E-19	1.747E-19
1.400E+03	0.	9.861E-04	6.965E-09	2.331E-12	1.003E-13	6.073E-07	7.493E-01	6.085E-19	2.180E-19
1.500E+03	0.	7.078E-04	1.757E-08	1.563E-11	3.289E-13	2.198E-06	7.495E-01	5.655E-19	2.609E-19
1.600E+03	2.456E-30	9.312E-04	3.947E-08	8.061E-11	9.328E-13	6.788E-06	7.496E-01	5.246E-19	3.021E-19
1.700E+03	2.264E-27	4.129E-04	8.060E-08	3.468E-10	2.366E-12	1.839E-05	7.497E-01	4.865F-19	3.407E-19
1.800E+03	9.947E-25	3.306E-04	1.520E-07	1.269E-09	6.362E-12	4.469E-05	7.497E-01	4.516F-19	3.762E-19
1.900E+03	2.337E-22	2.713E-04	2.082E-07	4.050E-09	1.114E-11	9.904E-05	7.497E-01	4.201E-19	4.080E-19
2.000E+03	3.110E-20	2.274E-04	4.470E-07	1.151E-08	2.177E-11	2.029E-04	7.497E-01	4.047E-19	4.540E-19
2.100E+03	1.177E-19	1.991E-04	7.096E-07	2.962E-08	3.898E-11	3.887E-04	7.495E-01	6.735E-19	1.109E-18
2.200E+03	1.140E-17	1.683E-04	1.086E-06	6.966E-08	6.920E-11	7.025E-04	7.493E-01	6.958E-18	7.062E-18
2.300E+03	7.565E-17	1.478E-04	1.504E-06	1.533E-07	1.167E-10	2.075E-03	7.488E-01	2.916E-17	6.612E-17
2.400E+03	4.204E-16	1.313E-04	2.251E-06	3.144E-07	1.023E-10	1.982E-03	7.482E-01	1.517E-16	2.640F-16
2.500E+03	2.036E-15	1.177E-04	3.106E-06	6.095E-07	2.795E-10	3.131E-03	7.472E-01	6.946E-16	1.321E-15
2.600E+03	8.769E-15	1.065E-04	4.180E-06	1.122E-06	4.164E-09	6.775E-03	7.457E-01	2.837E-15	5.852E-15
2.700E+03	3.382E-14	9.949E-05	5.495E-06	1.972E-06	5.978E-10	7.058E-03	7.437E-01	1.045E-14	2.325E-14
2.800E+03	1.189E-13	8.875E-05	7.076E-06	3.329E-06	8.389E-10	1.016E-02	7.411E-01	3.510E-14	8.381F-14
2.900E+03	3.461E-13	8.161E-05	8.938E-06	5.614E-06	1.149E-09	1.422E-02	7.375E-01	1.085E-13	2.769F-13
3.000E+03	1.149E-12	7.530E-12	1.198E-05	8.515E-06	1.538E-09	1.947E-02	7.329E-01	3.113E-13	8.455E-13
3.100E+03	3.235E-12	6.962E-05	1.354E-05	1.299E-05	2.016E-09	2.610E-02	7.271E-01	8.345F-13	2.404F-12
3.200E+03	8.393E-12	6.464E-05	1.628E-05	1.928E-05	2.592E-09	3.433E-02	7.199E-01	2.103F-12	8.410F-12
3.300E+03	2.074E-11	5.969E-05	1.928E-05	2.784E-05	3.270F-09	4.435E-02	7.111E-01	5.000E-12	1.611E-11
3.400E+03	4.364E-11	5.524E-05	2.252E-05	3.930E-05	4.054E-09	5.637E-02	7.006E-01	1.131E-11	3.837E-11
3.500E+03	1.086E-10	5.104E-05	2.595E-05	5.424E-05	4.940E-09	7.056E-02	6.882E-01	2.437E-11	8.690E-11
3.600E+03	2.321E-10	4.704E-05	2.951E-05	7.334E-05	5.923E-09	8.700E-02	6.733E-01	5.021E-11	1.884E-10
3.700E+03	6.757E-10	4.321E-05	3.314E-05	9.724E-05	6.988E-09	1.059E-01	6.572E-01	9.925E-11	3.914F-10
3.800E+03	9.385E-10	3.954E-05	3.676E-05	1.266E-04	8.119E-09	1.272E-01	6.386E-01	1.888F-10	7.820F-10
3.900E+03	1.187E-09	3.600E-05	4.028E-05	1.820E-05	9.292E-09	1.509E-01	6.177E-01	3.463E-10	1.501E-09
4.000E+03	3.294E-09	3.200E-05	4.361E-05	2.039E-04	1.048E-08	1.771E-01	5.949E-01	6.139E-10	2.809E-09
4.100E+03	5.887E-09	2.934E-05	4.646E-05	2.527E-04	1.165E-08	2.056E-01	5.700E-01	1.056E-09	5.075E-09
4.200E+03	1.022E-08	2.623E-05	4.935E-05	3.088E-04	1.276E-08	2.359E-01	5.433F-01	1.757E-09	8.903E-09
4.300E+03	1.727E-08	2.329E-05	5.160E-05	3.716E-04	1.380E-08	2.600E-01	5.151E-01	2.845E-09	1.520E-08
4.400E+03	2.450E-08	2.052E-05	5.333E-05	4.115E-04	1.672E-08	3.016E-01	4.856F-01	4.483E-09	2.529E-08
4.500E+03	4.589E-08	1.794E-05	5.457E-05	5.178E-04	1.596E-08	3.363E-01	6.552E-01	6.886E-09	4.101E-08
4.600E+03	7.228E-08	1.556E-05	5.522E-05	6.004E-04	1.011E-08	3.716E-01	4.242E-01	1.092E-08	6.921E-08
4.700E+03	1.115E-07	1.334E-05	5.531E-05	6.888E-04	1.655F-08	4.071E-01	3.930E-01	1.512E-08	1.014E-07
4.800E+03	1.687E-07	1.146E-05	6.046E-05	7.802E-04	1.681E-08	4.423E-01	3.621E-01	2.166F-08	1.544F-07
4.900E+03	2.305E-07	9.701E-06	5.391E-05	8.757E-04	1.690E-08	4.769E-01	3.317E-01	3.040E-08	2.307E-07
5.000E+03	3.665E-07	8.167E-05	5.251E-05	9.738E-04	1.682E-08	5.103E-01	3.022E-01	6.182F-08	3.387E-07
5.100E+03	7.624E-07	5.679E-06	4.865F-05	1.174E-03	1.622E-08	5.726E-01	2.471E-01	7.497E-08	6.944E-07
5.200E+03	1.424E-06	3.866E-06	4.307E-05	1.374E-03	1.515E-08	6.272E-01	1.987E-01	1.259E-07	1.341E-06
5.300E+03	2.593E-06	2.596E-06	3.871E-05	1.567E-03	1.380E-08	6.730E-01	1.510E-01	1.996E-07	2.454E-06
5.400E+03	4.518E-06	1.725E-06	3.362E-05	1.752E-03	1.266E-08	7.101E-01	1.262E-01	3.014E-07	6.282E-06
5.500E+03	7.566E-06	1.163E-06	3.046E-05	1.925E-03	1.104E-08	7.919E-01	9.737E-02	4.364E-06	7.176E-06
5.600E+03	1.224E-05	7.587E-07	2.457E-05	2.084E-03	9.676E-09	7.611E-01	7.626E-02	6.097E-07	1.158F-05
5.690E+03	1.319E-05	5.057E-05	2.081E-05	2.22E-03	6.411F-09	7.472E-01	5.975E-02	8.261F-07	1.807F-05
5.800E+03	2.295E-05	3.191E-05	1.757E-05	2.354E-03	7.259E-09	7.888E-01	6.715E-02	1.091F-06	2.739E-05
5.880E+03	4.362E-05	4.362E-05	2.290E-05	1.674E-05	6.626E-09	7.943E-01	3.735E-02	1.607E-06	4.040F-05
7.000E+03	4.354E-05	1.558E-05	1.242E-05	2.564E-05	5.291E-09	8.036E-01	2.976E-02	1.780F-06	5.811E-05
7.100E+03	9.073E-05	1.060E-07	1.061E-05	2.613E-03	4.465F-09	8.025E-01	2.387E-02	2.211E-06	8.189E-05
7.200E+03	1.273E-04	7.362E-04	8.708E-06	2.653E-03	3.734E-09	8.022E-01	1.92F-02	2.703F-06	1.130F-04
7.600E+03	1.755E-04	5.106E-05	7.263E-06	2.667E-03	3.092E-09	8.003E-01	1.568E-02	3.259E-06	1.531F-04
7.800E+03	2.305E-04	3.560E-05	6.040F-06	2.655E-03	2.534E-09	7.972F-01	1.284E-02	1.880F-06	2.039F-04
8.000E+03	3.194E-05	2.693E-05	5.008E-06	2.617E-03	2.053E-09	7.931E-01	1.056E-02	4.366E-06	2.675E-04
8.200E+03	4.222E-04	1.734E-04	6.130E-06	2.556E-03	1.646E-09	7.884E-01	8.788E-02	5.927E-06	3.461E-04
8.400E+03	5.511E-04	1.219E-03	3.410E-06	2.670E-03	1.024E-09	7.834E-01	7.350E-02	1.476E-05	6.422E-04
8.600E+03	7.112E-04	8.700E-09	2.802E-06	2.368E-03	1.314F-09	7.783E-01	6.192E-03	7.076E-06	4.588F-04
8.800E+03	6.076E-04	6.266F-09	2.298E-06	2.252E-03	7.905E-09	7.733E-01	5.254E-03	8.079E-06	6.991E-04
9.000E+03	1.146E-03	4.949E-05	3.082E-06	2.126E-03	6.078E-10	7.607E-01	4.690E-03	9.170F-06	8.667F-04
9.200E+03	1.343E-03	3.237E-05	1.561E-06	1.951E-03	4.661F-10	7.646E-01	3.865E-03	1.030F-05	1.066E-03
9.400E+03	1.777E-03	2.346E-05	1.262E-06	1.863E-03	3.527E-10	7.606E-01	3.349E-03	1.170F-05	1.300E-03
9.600E+03	2.142E-03	1.715E-05	1.035E-06	1.733F-03	2.673E-10	7.573E-01	2.921E-03	1.314E-05	1.576E-03
9.800E+03	2.658E-03	1.262E-05	8.508E-07	1.607E-03	2.024E-09	7.543E-01	2.563E-03	6.161E-05	6.422E-04
1.000E+04	3.213E-03	9.395E-10	7.010E-07	1.448E-03	1.933E-10	7.516E-01	2.261E-03	1.661F-05	2.269E-03
1.100E+04	7.594E-03	2.342E-10	2.030E-07	1.037E-03	4.000E-11	7.407E-01	1.293E-03	2.706F-05	5.103E-03
1.200E+04	1.521E-02	6.918E-11	1.222E-07	6.927E-04	1.167E-11	7.284E-01	8.012E-04	6.120F-05	1.015F-02
1.330E+04	2.768E-02	2.306E-11	5.712E-08	4.662E-04	3.766E-12	7.106E-01	5.204E-04	5.853F-05	1.825E-02
1.400E+04	6.609E-02	8.206E-12	2.782E-08	3.613E-04	1.297E-12	6.848E-01	3.668E-04	7.754E-05	3.018F-02
1.530E+04	7.121E-02	3.009E-12	1.376E-08	2.616E-04	6.591F-13	6.496E-01			

TABLE II.- Continued

P/PD = 4.80E+01

H-	N	N2	N2+	N+	N-	N++	N---	N+++	N----	T
0.	0.	9.052E-02	6.624E-21	0.	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.755E-01	9.410E-21	0.	0.	0.	0.	0.	0.	6.900E+02
0.	0.	2.24CE-01	1.203E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	1.284E-29	2.408E-01	1.513E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	3.671E-26	2.463E-01	1.428E-20	0.	0.	0.	0.	0.	0.	9.300E+02
0.	2.139E-23	2.492E-01	2.106E-20	0.	0.	0.	0.	0.	0.	1.000E+03
0.	3.929E-21	2.491E-01	2.324E-20	0.	0.	0.	0.	0.	0.	1.100E+03
0.	3.337E-19	2.494E-01	2.474E-20	0.	0.	0.	0.	0.	0.	1.200E+03
0.	1.204E-17	2.496E-01	2.564E-20	1.577E-32	0.	0.	0.	0.	0.	1.300E+03
0.	2.836E-16	2.498E-01	2.592E-20	1.916E-31	0.	0.	0.	0.	0.	1.400E+03
0.	4.347E-15	2.498E-01	2.581E-20	1.645E-30	0.	0.	0.	0.	0.	1.500E+03
0.	4.427E-14	2.499E-01	2.539E-20	1.069E-29	0.	0.	0.	0.	0.	1.600E+03
0.	4.011E-13	2.499E-01	2.476E-20	5.517E-29	0.	0.	0.	0.	0.	1.700E+03
1.448E-27	2.637E-12	2.455E-01	2.400E-20	2.354E-28	0.	0.	0.	0.	0.	1.800E+03
5.130E-25	1.424E-11	2.499E-01	2.317E-20	8.567E-20	0.	0.	0.	0.	0.	1.900E+03
4.794E-23	6.500E-11	2.499E-01	2.313E-20	2.824E-27	0.	0.	0.	0.	0.	2.000E+03
5.115E-21	2.570E-10	2.499E-01	5.127E-20	1.645E-26	1.012E-28	0.	0.	0.	0.	2.100E+03
6.606E-20	6.971E-10	2.499E-01	2.498E-19	2.873E-25	3.170E-27	0.	0.	0.	0.	2.200E+03
5.677E-19	2.811E-09	2.498E-01	1.798E-18	4.265E-24	6.138E-26	0.	0.	0.	0.	2.300E+03
3.983E-18	6.013E-10	2.497E-01	5.551E-18	5.373E-23	9.011E-25	0.	0.	0.	0.	2.400E+03
2.380E-17	2.101E-08	2.496E-01	4.461E-17	5.117E-22	1.066E-23	0.	0.	0.	0.	2.500E+03
1.238E-16	5.111E-08	2.494E-01	1.655E-16	4.280E-21	1.041E-22	0.	0.	0.	0.	2.600E+03
9.690E-16	1.167E-07	2.491E-01	6.951E-16	7.065E-20	8.574E-22	0.	0.	0.	0.	2.700E+03
2.342E-15	2.510E-07	2.487E-01	2.376E-15	1.909E-19	6.068E-21	0.	0.	0.	0.	2.800E+03
8.725E-15	5.122E-15	2.482E-01	7.442E-15	1.050E-18	3.747E-20	0.	0.	0.	0.	2.900E+03
2.972E-14	7.964E-07	2.475E-01	2.176E-14	5.163E-18	2.066E-19	0.	0.	0.	0.	3.000E+03
9.330E-14	1.857E-06	2.467E-01	5.930E-16	2.294E-17	9.994E-19	0.	0.	0.	0.	3.100E+03
2.720E-13	3.327E-06	2.457E-01	1.520E-13	9.303E-17	4.413E-18	0.	0.	0.	0.	3.200E+03
7.610E-13	5.752E-06	2.446E-01	3.085E-13	3.668E-18	1.777E-17	0.	0.	0.	0.	3.300E+03
1.877E-12	9.627E-06	2.429E-01	6.487E-13	1.194E-15	6.580E-17	0.	0.	0.	0.	3.400E+03
4.594E-12	1.564E-05	2.411E-01	1.647E-12	3.865E-15	2.255E-16	0.	0.	0.	0.	3.500E+03
1.031E-11	2.471E-05	2.393E-01	3.930E-12	1.169E-14	7.125E-16	0.	0.	0.	0.	3.600E+03
2.294E-11	3.807E-05	2.367E-01	7.959E-12	3.337E-14	2.194E-15	0.	0.	0.	0.	3.700E+03
4.782E-11	9.720E-05	2.340E-01	1.559E-11	9.023E-14	6.062E-15	0.	0.	0.	0.	3.800E+03
9.553E-11	6.434E-05	2.310E-01	2.934E-11	2.322E-13	1.613E-14	0.	0.	0.	0.	3.900E+03
1.834E-10	1.217E-04	2.277E-01	5.372E-11	5.707E-13	4.072E-14	0.	0.	0.	0.	4.000E+03
3.391E-10	1.723E-06	2.241E-01	9.555E-11	1.345E-12	5.790E-14	0.	0.	0.	0.	4.100E+03
6.353E-10	2.394E-04	2.202E-01	1.655E-12	3.246E-12	2.252E-13	0.	0.	0.	0.	4.200E+03
1.065E-09	3.283E-06	2.161E-01	2.795E-10	6.652E-12	4.964E-13	0.	0.	0.	0.	4.300E+03
1.749E-09	4.429E-06	2.114E-01	4.617E-13	1.605E-11	1.052E-12	0.	0.	0.	0.	4.400E+03
2.841E-09	8.687E-06	2.073E-01	7.462E-10	2.074E-11	2.146E-12	0.	0.	0.	0.	4.500E+03
4.489E-09	7.726E-06	2.027E-01	1.183E-09	5.710E-17	6.235E-12	0.	0.	0.	0.	4.600E+03
6.937E-09	1.002E-03	1.981E-01	1.848E-09	1.104E-10	8.086E-12	0.	0.	0.	0.	4.700E+03
1.037E-08	1.246E-03	1.935E-01	2.817E-09	2.081E-10	1.498E-11	0.	0.	0.	0.	4.800E+03
1.519E-08	1.628E-03	1.844E-01	4.244E-09	3.830E-10	2.710E-11	0.	0.	0.	0.	4.900E+03
2.178E-08	2.045E-03	1.844E-01	6.301E-09	4.894E-10	4.756E-11	0.	0.	0.	0.	5.000E+03
4.206E-08	3.162E-03	1.759E-01	1.335E-09	2.101E-09	1.362E-10	0.	0.	0.	0.	5.200E+03
7.560E-08	4.670E-08	1.680E-01	2.700E-08	5.946E-09	3.576E-10	0.	0.	0.	0.	5.400E+03
1.274E-07	6.753E-03	1.609E-01	5.233E-08	1.574E-08	8.696E-10	0.	0.	0.	0.	5.600E+03
2.034E-07	9.531E-03	1.548E-01	9.758E-08	3.922E-08	1.976E-09	0.	0.	0.	0.	5.800E+03
3.098E-07	1.315E-02	1.444E-01	1.755E-07	9.244E-08	4.229E-09	4.199E-26	0.	0.	0.	6.000E+03
6.554E-07	1.175E-02	1.427E-01	3.048E-07	2.069E-07	8.573E-09	3.991E-25	0.	0.	0.	6.200E+03
6.430E-07	2.350E-02	1.370E-01	5.115E-07	4.410E-07	1.655E-08	3.311E-24	0.	0.	0.	6.400E+03
8.644E-07	3.052E-02	1.311E-01	8.299E-07	8.979E-07	3.054E-08	2.622E-23	0.	0.	0.	6.600E+03
1.184E-06	3.493E-02	1.249E-01	1.302E-06	1.751E-06	5.410E-08	1.576E-22	0.	0.	0.	6.800E+03
1.560E-06	6.876E-02	1.181E-01	1.977E-06	3.275E-06	9.220E-08	9.196E-22	0.	0.	0.	7.000E+03
2.011E-06	6.032E-02	1.138E-01	2.405E-06	5.892E-07	1.516E-07	4.868E-21	0.	0.	0.	7.200E+03
2.548E-06	7.264E-02	1.029E-01	4.129E-06	1.021E-05	2.099E-07	2.324E-20	0.	0.	0.	7.400E+03
3.181E-06	0.662E-06	9.453E-02	5.888E-06	1.707E-05	3.706E-07	1.019E-19	0.	0.	0.	7.600E+03
3.918E-06	1.311E-01	6.572E-02	7.565E-05	2.759E-05	5.530E-07	4.113E-19	0.	0.	0.	7.800E+03
6.766E-06	1.164E-01	7.667E-02	9.758E-05	4.315E-05	8.310E-07	1.5335E-18	0.	0.	0.	8.000E+03
5.730E-06	1.318E-01	6.759E-02	1.220E-05	6.663E-05	1.288E-06	9.326E-18	0.	0.	0.	8.200E+03
6.429E-06	1.470E-01	5.812E-02	1.679E-05	9.635E-05	1.566E-06	1.724E-17	0.	0.	0.	8.400E+03
6.359E-06	1.614E-01	5.028E-02	1.747E-05	1.380E-06	2.068E-06	5.265E-17	0.	0.	0.	8.600E+03
6.769E-06	6.247E-02	1.997E-05	1.924E-06	2.694E-06	1.502E-16	0.	0.	0.	0.	8.800E+03
1.059E-05	1.870E-01	3.542E-02	2.233E-05	2.625E-04	3.335E-16	4.073E-18	0.	0.	0.	9.000E+03
1.262E-05	1.976E-01	2.923E-02	2.442E-05	3.531E-04	6.291E-16	1.049E-15	0.	0.	0.	9.200E+03
1.446E-05	2.366E-01	2.391E-02	6.618E-05	4.579E-04	5.261E-16	2.580E-15	0.	0.	0.	9.400E+03
1.665E-05	2.142E-01	1.943E-02	7.760E-05	5.883E-04	6.343E-16	6.374E-15	0.	0.	0.	9.600E+03
1.862E-05	2.205E-01	1.572E-02	2.049E-05	7.662E-06	7.535E-16	1.375E-14	0.	0.	0.	9.800E+03
2.095E-05	2.255E-01	1.268E-02	2.549E-05	4.283E-06	8.833E-16	3.000E-14	0.	0.	0.	1.000E+04
3.550E-05	2.376E-01	6.306E-03	3.028E-05	2.306E-03	1.682E-05	9.405E-13	0.	0.	0.	1.100E+04
5.270E-05	2.379E-01	1.039E-03	2.046E-05	5.073E-03	2.695E-05	1.632E-11	0.	0.	0.	1.200E+04
7.280E-05	2.321E-01	6.108E-04	2.571E-05	9.464E-03	3.025E-05	1.025E-10	0.	0.	0.	1.300E+04
9.190E-05	2.210E-01	2.945E-04	2.233E-05	1.399E-02	4.937E-05	1.450E-04	1.400E-23	0.	0.	1.400E+04
1.105E-04	2.011E-01	1.359E-04	1.909E-05	2.671E-02	5.862E-05	6.774E-05	4.984E-22	0.	0.	1.500E+04
1.195E-04	1.866E-01	6.423E-05	1.556E-05	3.559E-02	6.378E-05	4.249E-08	3.513E-20	0.	0.	1.600E+04
1.231E-04	1.665E-01	3.033E-05	1.213E-05	4.804E-02	6.650E-05	1.712E-07	9.156E-19	0.	0.	1.700E+04
1.188E-04	1.428E-01	1.438E-05	9.017E-06	6.132E-02	6.061E-05	5.308E-07	1.707E-17	0.	0.	1.800E+04
1.077E-04	1.198E-01	6.860E-06	6.387E-06	7.430E-02	5.317E-05	1.700E-06	2.406E-16	0.	0.	1.900E+04
9.216E-05	9.619E-02	3.022E-06	4.326E-06	8.610E-02	4.383E-05	4.854E-06	2.674E-15	0.	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2NH	H	H2	H2+	H+
2.100E+04	3.111E-01	4.008E-15	9.489E-11	1.442E-05	3.947E-16	3.015E-01	1.337E-05	9.809E-05	2.150E-01
2.200E+04	3.400E-01	1.038E-15	3.730E-11	7.873E-06	9.912E-17	2.470E-01	7.200E-06	8.148E-05	2.428E-01
2.300E+04	3.771E-01	2.832E-16	1.357E-11	4.207E-06	2.418E-17	2.000E-01	3.879E-06	6.522E-05	2.670E-01
2.400E+04	4.019E-01	2.299E-17	4.881E-12	2.225E-06	5.851E-18	1.610E-01	2.063E-06	5.079E-05	2.874E-01
2.500E+04	4.217E-01	1.891E-17	1.762E-12	1.177E-06	1.431E-18	1.296E-01	1.094E-06	3.882E-05	3.040E-01
2.600E+04	4.373E-01	4.997E-18	6.456E-13	6.278E-07	3.393E-19	1.067E-01	5.834E-07	2.937E-05	3.173E-01
2.700E+04	4.495E-01	1.364E-18	2.426E-13	3.394E-07	9.395E-20	8.520E-02	7.147E-07	2.212E-05	3.276E-01
2.800E+04	4.591E-01	9.387E-19	1.867E-14	1.867E-07	2.541E-20	6.996E-02	1.726E-07	1.667E-05	3.357E-01
2.900E+04	4.667E-01	1.146E-19	3.737E-16	1.046E-07	2.717E-21	5.804E-02	9.651E-08	1.262E-05	3.419E-01
3.000E+04	4.730E-01	3.551E-20	1.540E-14	5.974E-08	2.143E-21	4.867E-02	5.511E-08	9.605E-06	3.465E-01
3.100E+04	4.764E-01	1.149E-20	6.540E-15	3.672E-08	6.630E-22	4.125E-02	3.212E-08	7.304E-06	3.500E-01
3.200E+04	4.832E-01	3.872E-21	2.867E-15	2.052E-08	2.129E-22	3.512E-02	1.910E-08	5.694E-06	3.523E-01
3.300E+04	4.877E-01	1.356E-21	1.289E-15	7.059E-23	3.354E-02	1.160E-08	4.432E-06	3.537E-01	
3.400E+04	4.921E-01	4.111E-22	5.926E-16	7.416E-09	2.401E-23	2.644E-02	7.265E-09	3.486E-06	3.543E-01
3.500E+04	4.966E-01	1.839E-22	2.779E-16	4.518E-09	8.326E-24	2.345E-02	6.606E-09	2.761E-06	3.541E-01
3.600E+04	5.012E-01	7.021E-23	1.324E-16	2.766E-09	2.928E-24	2.077E-02	2.975E-09	2.722E-06	3.533E-01
3.700E+04	5.060E-01	2.770E-23	6.391E-17	1.670E-09	1.039E-24	1.853E-02	1.955E-09	1.770E-06	3.522E-01
3.800E+04	5.108E-01	1.099E-23	3.111E-17	1.043E-09	3.707E-25	1.663E-02	1.306E-09	1.433E-06	3.403E-01
3.900E+04	5.156E-01	4.466E-24	1.535E-17	4.60E-10	1.327E-25	1.501E-02	8.864E-10	1.169E-06	3.483E-01
4.000E+04	5.212E-01	1.467E-24	7.634E-18	6.939E-10	6.766E-26	1.302E-02	6.123E-10	9.596E-07	3.462E-01
4.100E+04	5.264E-01	7.760E-25	3.821E-18	2.471E-13	1.717E-26	1.261E-02	6.261E-10	7.935E-07	3.441E-01
4.200E+04	5.286E-01	3.313E-25	1.937E-18	4.491E-10	6.221E-27	1.136E-02	3.014E-10	6.607E-07	3.422E-01
4.300E+04	5.323E-01	1.437E-19	9.497E-11	2.271E-27	1.343E-02	2.195E-10	5.539E-07	3.403E-01	
4.400E+04	5.356E-01	6.144E-20	5.111E-19	5.699E-11	8.369E-28	5.619E-03	1.505E-10	6.676E-07	3.387E-01
4.500E+04	5.386E-01	2.648E-20	2.670E-19	3.547E-11	3.121E-28	8.897E-03	1.147E-10	9.968E-07	3.372E-01
4.600E+04	5.412E-01	1.301E-20	1.411E-19	2.220E-11	1.17E-28	6.254E-03	8.493E-11	3.380E-01	3.359E-01
4.700E+04	5.435E-01	6.049E-21	7.451E-20	1.399E-11	4.523E-29	7.679E-03	6.353E-11	2.929E-07	3.347E-01
4.800E+04	5.457E-01	2.661E-21	4.090E-20	8.871E-12	1.761E-29	7.162E-03	4.797E-11	2.510E-07	3.336E-01
4.900E+04	5.477E-01	1.376E-21	2.243E-20	5.656E-12	6.981E-30	6.696E-03	3.655E-11	2.176E-07	3.325E-01
5.000E+04	5.496E-01	6.720E-21	1.244E-20	3.646E-12	2.793E-30	6.273E-03	2.808E-11	1.895E-07	3.315E-01

V/PQ = 5.00E+01

T	E-	NH3	NH2	NH	N2NH	H	H2	H2+	H+
5.000E+02	0.	6.438E-01	1.523E-20	5.759E-14	1.764E-29	5.127E-22	2.673E-01	1.392E-18	1.060E-21
6.000E+02	0.	3.046E-01	3.169E-17	6.263E-29	2.818E-24	4.748E-14	5.216E-01	1.098E-18	3.261E-21
7.000E+02	0.	1.076E-01	5.092E-15	1.022E-24	1.715E-21	2.937E-15	4.695E-01	9.224E-19	8.149E-21
8.000E+02	0.	3.805E-02	1.919E-13	1.317E-21	1.683E-19	3.490E-13	7.215E-01	6.506E-19	1.821E-20
9.000E+02	0.	1.554E-02	9.032E-12	3.338E-19	5.672E-18	1.423E-11	7.303E-01	8.111E-19	3.538E-20
1.000E+03	0.	7.367E-03	2.688E-11	2.764E-17	6.673E-17	2.772E-10	7.645E-01	7.764E-19	6.039E-20
1.100E+03	0.	3.952E-03	1.598E-10	1.010E-15	8.270E-16	1.610E-09	7.470E-01	7.391E-19	9.762E-20
1.200E+03	0.	2.361E-03	7.037E-10	2.068E-14	5.415E-15	2.414E-08	7.462E-01	6.983E-19	1.305E-19
1.300E+03	0.	1.531E-03	2.642E-09	2.634E-13	2.661E-14	1.353E-07	7.449E-01	6.553E-19	1.719E-19
1.400E+03	0.	1.025E-03	7.199E-09	2.322E-14	1.346E-13	5.951E-07	7.492E-01	6.117E-19	2.167E-19
1.500E+03	0.	7.372E-04	1.793E-08	1.943E-13	3.428E-13	2.153E-06	7.490E-01	5.690E-19	2.572E-19
1.600E+03	0.	2.361E-03	5.533E-04	6.029E-08	8.081E-11	9.718E-13	6.650E-06	7.494E-01	5.204E-19
1.700E+03	0.	2.158E-02	4.301E-06	8.226E-08	3.464E-10	2.464E-12	1.802E-06	7.497E-01	4.905E-19
1.800E+03	0.	9.664E-05	3.434E-04	1.552E-07	1.269E-09	5.564E-12	4.379E-05	7.497E-01	4.557E-19
1.900E+03	0.	2.222E-02	2.826E-06	2.737E-07	4.050E-09	1.161E-11	9.706E-05	7.497E-01	4.242E-19
2.000E+03	0.	2.959E-02	2.369E-06	4.542E-07	1.515E-08	2.262E-11	1.998E-04	7.495E-01	4.093E-19
2.100E+03	0.	1.1395E-03	2.322E-06	7.242E-07	2.962E-08	6.152E-11	3.879E-04	7.495E-01	3.866E-19
2.200E+03	0.	1.139E-03	1.753E-06	6.998E-07	7.208E-11	6.887E-06	7.493E-01	4.891E-01	6.874E-19
2.300E+03	0.	3.567E-03	1.534E-06	1.617E-06	1.933E-07	1.194E-10	1.182E-03	7.488E-01	2.875E-17
2.400E+03	0.	6.053E-03	1.364E-06	2.297E-06	3.146E-07	1.899E-06	1.942E-03	7.487E-01	1.446E-17
2.500E+03	0.	1.901E-03	1.227E-06	3.171E-06	6.059E-07	2.912E-10	3.363E-03	7.472E-01	6.853E-17
2.600E+03	0.	8.516E-04	1.199E-04	4.266E-06	1.122E-06	4.322E-09	6.679E-03	7.455E-01	2.799E-17
2.700E+03	0.	3.291E-04	1.010E-04	5.610E-06	1.973E-06	6.229E-10	6.916E-03	7.439E-01	1.031E-16
2.800E+03	0.	1.157E-03	9.249E-05	7.224E-06	3.329E-06	9.761E-10	9.949E-03	7.412E-01	3.466E-16
2.900E+03	0.	3.730E-03	4.508E-05	5.615E-06	1.197E-09	1.393E-09	6.193E-03	7.377E-01	1.071E-13
3.000E+03	0.	1.117E-02	7.050E-05	1.133E-05	8.517E-06	1.603E-09	1.908E-02	7.327E-01	3.076E-13
3.100E+03	0.	2.773E-02	7.260E-05	1.303E-05	1.299E-05	2.102E-09	2.458E-02	7.274E-01	6.243E-13
3.200E+03	0.	9.161E-02	6.722E-05	1.663E-05	1.924E-05	2.703E-09	3.363E-02	7.205E-01	2.078E-12
3.300E+03	0.	2.317E-01	6.229E-05	1.970E-05	2.707E-05	3.612E-09	4.348E-02	7.119E-01	4.948E-12
3.400E+03	0.	6.729E-01	5.768E-05	2.102E-05	3.930E-05	5.212E-09	7.016E-01	1.111E-11	3.715E-12
3.500E+03	0.	1.356E-01	5.332E-05	2.655E-05	5.643E-05	5.199E-09	6.917E-02	6.899E-01	2.411E-11
3.600E+03	0.	2.259E-01	4.918E-05	3.020E-05	7.365E-05	6.188E-09	6.533E-02	6.752E-01	6.948E-11
3.700E+03	0.	6.625E-01	4.522E-05	3.393E-05	9.742E-05	7.307E-09	1.039E-01	6.500E-01	9.826E-10
3.800E+03	0.	9.126E-01	4.161E-05	3.766E-05	1.269E-04	8.496E-09	1.246E-01	6.476E-01	1.870E-10
3.900E+03	0.	1.733E-00	3.775E-05	6.133E-05	1.624E-04	9.732E-09	1.402E-01	6.202E-01	3.432E-10
4.000E+03	0.	3.203E-00	3.623E-05	6.476E-05	2.046E-04	1.099E-08	1.779E-01	5.976E-01	6.089E-10
4.100E+03	0.	5.725E-00	3.085E-05	6.794E-05	2.536E-04	1.222E-08	2.018E-01	5.731E-01	1.046E-09
4.200E+03	0.	9.459E-00	2.762E-05	5.075E-05	3.099E-04	1.361E-08	2.318E-01	5.469E-01	1.745E-09
4.300E+03	0.	1.682E-00	2.458E-05	5.313E-05	3.735F-04	1.652E-08	2.636E-01	5.199E-01	2.828E-09
4.400E+03	0.	2.773E-00	2.168E-05	5.501E-05	4.460E-04	1.551E-08	2.948E-01	4.899E-01	4.461E-08
4.500E+03	0.	6.627E-00	1.901E-05	5.634E-05	5.213E-04	1.635E-08	3.311E-01	4.597E-01	6.899E-08
4.600E+03	0.	7.033E-00	1.652E-05	5.739E-05	6.048E-04	1.703E-08	3.661E-01	4.200E-01	1.029E-08
4.700E+03	0.	1.086E-00	1.425E-05	5.727E-05	6.937E-04	1.792E-08	4.014E-01	3.980E-01	1.309E-08
4.800E+03	0.	1.663E-00	1.220E-05	5.649E-05	7.872E-04	1.763E-08	4.364E-01	3.672E-01	1.501E-08

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N---	N----	T
7.463E-05	7.611E-32	1.347E-06	2.823E-04	9.609E-04	3.627E-05	1.201E-05	2.433E-14	0.	2.100E+04
9.815E-05	5.925E-02	5.946E-07	1.792E-06	1.04E-01	2.569E-05	2.742E-05	1.044E-13	0.	2.200E+04
4.367E-05	4.589E-32	2.624E-07	1.119E-06	1.130E-01	1.870E-05	5.853E-05	1.229E-12	0.	2.300E+04
3.202E-05	3.515E-02	1.169E-07	6.945E-07	1.163E-01	1.338E-05	1.179E-04	7.095E-12	0.	2.400E+04
2.314E-05	2.712E-32	5.303E-08	4.322E-07	1.172E-01	9.460E-06	2.257E-04	3.641E-11	0.	2.500E+04
1.662E-05	2.197E-02	2.464E-08	2.713E-07	1.192E-01	6.692E-06	6.134E-04	1.680E-10	0.	2.600E+04
1.175E-05	1.652E-02	1.176E-08	1.724E-07	1.204E-01	6.753E-06	7.271E-04	2.028E-10	0.	2.700E+04
8.647E-06	1.309E-02	4.771E-09	1.110E-07	1.209E-01	3.401E-06	1.232E-04	2.668E-09	0.	2.800E+04
6.318E-06	1.047E-02	2.905E-05	7.241E-08	1.208E-01	2.456E-06	2.017E-03	9.463E-09	0.	2.900E+04
4.676E-06	8.455E-03	1.503E-09	4.775E-08	1.201E-01	1.791E-06	3.193E-03	3.001E-06	0.	3.000E+04
3.512E-06	6.676E-03	7.921E-10	3.174E-08	1.186E-01	1.317E-06	4.895E-03	5.321E-08	0.	3.100E+04
2.680E-06	5.620E-03	4.243E-10	2.119E-08	1.163E-01	9.753E-07	7.270E-03	2.624E-07	0.	3.000E+04
2.079E-06	4.605E-03	2.279E-10	1.416E-08	1.130E-01	7.263E-07	1.046E-02	6.932E-07	0.	3.300E+04
1.651E-06	3.773E-03	1.251E-10	9.389E-09	1.086E-01	5.624E-07	1.457E-02	1.713E-06	0.	3.400E+04
1.318E-06	3.083E-03	6.808E-11	6.174E-09	1.031E-01	4.056E-07	1.965E-02	3.979E-06	2.489E-13	3.500E+04
1.075E-06	2.506E-03	3.609E-11	4.005E-09	6.654E-02	3.027E-07	2.584E-02	8.468E-06	1.155E-12	3.600E+04
8.916E-07	2.323E-03	1.902E-11	2.555E-09	8.905E-02	2.250E-07	1.777E-02	1.789E-05	4.855E-12	3.700E+04
7.501E-07	1.619E-03	1.053E-11	1.800E-09	8.091E-02	1.665E-07	3.974E-02	3.490E-05	1.862E-11	3.800E+04
5.356E-07	1.265E-03	5.527E-12	9.831E-10	7.245E-02	1.224E-07	4.731E-04	6.467E-05	6.559E-11	3.900E+04
5.520E-07	1.011E-03	2.860E-12	5.933E-10	6.400E-02	8.953E-03	5.682E-02	1.143E-04	2.137E-10	4.000E+04
4.816E-07	7.889E-04	1.472E-12	3.520E-10	5.587E-02	6.498E-08	6.200E-02	1.417E-04	4.749E-10	4.100E+04
4.243E-07	5.118E-04	7.946E-13	2.071E-10	4.824E-02	6.859E-08	6.897E-02	3.156E-04	1.861F-05	4.200E+04
3.711E-07	4.723E-04	3.707E-13	1.204E-10	4.139E-02	3.3A1E-08	7.456E-02	4.968E-04	4.931F-04	4.300E+04
3.378E-07	3.629E-04	1.619E-13	6.957E-11	3.526E-02	2.434E-08	7.972E-02	7.582E-04	1.251F-04	4.400E+04
3.044E-07	2.786E-04	9.702E-14	6.000E-11	2.950E-02	1.751E-08	8.605E-02	1.125E-03	3.024E-08	4.500E+04
2.760E-07	2.133E-04	6.918E-14	2.305E-11	2.528E-02	1.259E-08	8.757E-02	1.625E-03	7.988E-08	4.600E+04
2.516E-07	1.625E-04	2.534E-14	1.320E-11	2.134E-02	9.066E-09	9.031E-02	2.335E-03	. 549E-07	4.700E+04
2.315E-07	1.254E-04	1.282E-14	7.668E-12	1.759E-02	6.553E-09	9.227E-02	3.194E-03	3.303F-07	4.800E+04
2.120E-07	9.623E-05	6.605E-15	6.439E-12	5.915E-02	6.734E-09	9.149E-02	6.360E-03	7.793F-07	4.900E+04
1.458E-07	7.335E-05	3.642E-15	2.578E-12	1.279E-02	3.434E-09	9.358E-02	5.789E-03	1.3.0F-06	5.000E+04

P/P0 = 5.000E01

M-	N	N2	N2+	N+	N-	N++	N---	N----	T
0.	J,	8.939E-32	6.651E-21	0.	0.	0.	0.	0.	9.000E+02
0.	0.	1.739E-01	4.658E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.232E-01	1.207E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.254E-24	2.445E-01	1.515E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.596E-24	2.461E-01	1.803E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.096E-23	2.480E-01	2.110E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.450E-21	2.494E-01	2.329E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.779E-19	2.494E-01	2.648E-20	0.	0.	0.	0.	0.	1.200E+03
0.	1.610E-17	2.460E-01	2.571E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.779E-16	2.467E-01	2.630E-20	1.867E-31	0.	0.	0.	0.	1.400E+03
0.	6.249E-15	2.454E-01	2.597E-20	1.623E-30	0.	0.	0.	0.	1.500E+03
0.	6.733E-14	2.449E-01	2.558E-20	1.055E-29	0.	0.	0.	0.	1.600E+03
0.	3.930E-13	2.449E-01	2.496E-20	5.669E-29	0.	0.	0.	0.	1.700E+03
1.440E-27	2.546E-12	2.499E-01	2.421E-20	2.327E-28	0.	0.	0.	0.	1.800E+03
4.479E-25	1.343E-11	2.499E-01	2.340E-20	8.476E-28	0.	0.	0.	0.	1.900E+03
9.513E-23	6.304E-11	2.455E-01	2.333E-20	2.791E-27	0.	0.	0.	0.	2.000E+03
5.051E-21	2.514E-10	2.449E-01	5.000E-20	1.764E-26	4.968E-29	0.	0.	0.	2.100E+03
6.584E-20	6.794E-10	2.449E-01	2.964E-19	2.777E-25	3.168E-27	0.	0.	0.	2.200E+03
5.646E-19	2.756E-09	2.449E-01	1.772E-18	6.101E-26	8.080E-26	0.	0.	0.	2.300E+03
3.957E-18	7.615E-10	2.447E-01	9.418E-18	6.463E-23	8.953E-25	0.	0.	0.	2.400E+03
2.365E-17	2.355E-10	2.446E-01	6.630E-17	6.565E-22	1.056E-23	0.	0.	0.	2.500E+03
1.423E-16	9.315E-10	2.449E-01	1.630E-16	6.177E-21	1.036E-22	0.	0.	0.	2.600E+03
5.611E-16	1.646E-10	2.449E-01	6.559E-16	2.968E-20	6.519E-22	0.	0.	0.	2.700E+03
2.625E-15	1.446E-10	2.467E-01	2.362E-15	1.866E-15	6.025E-21	0.	0.	0.	2.800E+03
8.665E-15	5.014E-10	2.462E-01	7.936E-15	1.016E-14	3.723E-20	0.	0.	0.	2.900E+03
1.179E-14	9.763E-10	2.476E-01	2.148E-14	6.916E-16	2.631E-15	0.	0.	0.	3.000E+03
9.263E-14	1.619E-09	2.468E-01	5.656E-14	2.219E-17	9.321E-19	0.	0.	0.	3.100E+03
6.701E-13	2.701E-09	2.454E-01	1.551E-13	6.971E-17	5.380E-18	0.	0.	0.	3.200E+03
7.537E-13	5.614E-10	2.465E-01	7.036E-13	3.956E-16	1.766E-17	0.	0.	0.	3.300E+03
1.843E-12	9.431E-10	2.463E-01	6.383E-13	1.163E-15	6.522E-17	0.	0.	0.	3.400E+03
4.553E-12	1.512E-09	2.441E-01	1.866E-12	3.760E-15	2.239E-16	0.	0.	0.	3.500E+03
1.346E-11	2.642E-09	2.439E-01	3.004E-12	1.132E-14	7.152E-16	0.	0.	0.	3.600E+03
2.229E-11	3.732E-09	2.436E-01	7.866E-12	3.230E-15	2.139E-15	0.	0.	0.	3.700E+03
6.753E-11	9.616E-10	2.433E-01	1.553E-11	8.76E-16	6.020E-15	0.	0.	0.	3.800E+03
5.506E-11	4.269E-10	2.431E-01	1.851E-11	2.3E-15	1.602E-14	0.	0.	0.	3.900E+03
1.424E-10	1.193E-10	2.420E-01	5.312E-11	5.525E-13	4.003E-14	0.	0.	0.	4.000E+03
3.175E-10	1.879E-10	2.424E-01	1.421E-10	1.442E-11	1.004E-10	0.	0.	0.	4.100E+03
6.324E-10	2.322E-10	2.423E-01	1.637E-10	2.494E-12	2.238E-11	0.	0.	0.	4.200E+03
1.346E-09	3.215E-10	2.416E-01	1.765E-10	6.639E-12	6.930E-13	0.	0.	0.	4.300E+03
1.745E-09	4.346E-10	2.412E-01	1.951E-11	1.048E-12	1.048E-12	0.	0.	0.	4.400E+03
2.611E-09	3.771E-10	2.406E-01	7.334E-11	2.701E-12	2.131E-12	0.	0.	0.	4.500E+03
4.498E-09	7.563E-10	2.403E-01	1.130E-10	5.525E-11	6.216E-12	0.	0.	0.	4.600E+03
6.456E-09	4.631E-10	2.404E-01	1.442E-10	1.046E-10	1.035E-12	0.	0.	0.	4.700E+03
1.334E-08	1.260E-10	2.404E-01	2.478E-10	2.013E-10	1.462E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
4.900E+03	2.442E-07	1.037E-05	5.600E-05	8.044E-04	1.795E-03	4.709E-01	3.369E-01	3.042E-08	2.244E-07
5.000E+03	3.565E-07	6.768E-06	5.464E-05	9.043E-04	1.790E-03	5.043E-01	3.074E-01	4.190E-08	3.296E-07
5.200E+03	7.244E-07	6.112E-06	5.079E-05	1.088E-03	1.732E-03	5.688E-01	2.522E-01	7.530E-08	6.764E-07
5.400E+03	1.390E-06	6.101E-06	4.594E-05	1.393E-03	1.626E-03	6.210E-01	2.039E-01	1.267E-07	1.307E-06
5.600E+03	2.533E-06	2.017E-06	4.066E-05	1.591E-03	1.491E-03	6.402E-01	1.620E-01	2.016E-07	2.395E-06
5.800E+03	4.414E-06	1.881E-06	3.539E-05	1.781E-03	1.342E-03	7.059E-01	1.279E-01	3.049E-07	4.185E-06
6.000E+03	7.398E-06	1.251E-06	3.045E-05	1.959E-03	1.191E-03	7.356E-01	1.009E-01	4.421E-07	7.012E-06
6.200E+03	1.197E-05	6.325E-07	2.548E-05	2.123E-03	1.046E-03	7.583E-01	7.084E-02	6.186E-07	1.152E-05
6.400E+03	1.878E-05	5.562E-07	2.204E-05	2.271E-03	9.109E-03	7.751E-01	6.197E-02	8.795E-07	1.760E-05
6.600E+03	2.846E-05	3.718E-05	1.863E-05	2.707E-03	7.973E-03	8.489E-01	4.898E-02	1.110E-06	2.480E-05
6.800E+03	4.269E-05	2.529E-05	1.571E-05	2.514E-03	6.757E-03	7.949E-01	3.877E-02	1.433E-06	3.955E-05
7.000E+03	6.220E-05	1.724E-07	1.321E-05	2.050E-03	5.757E-03	7.997E-01	2.014E-02	1.814E-06	5.690E-05
7.200E+03	8.883E-05	1.103E-07	1.109E-05	2.673E-03	4.867E-03	8.018E-01	2.483E-02	2.255E-06	8.023E-05
7.400E+03	1.246E-04	6.171E-08	9.283E-06	2.717E-03	4.078E-03	8.018E-01	2.006E-02	2.759E-06	1.107E-04
7.600E+03	1.719E-04	5.676E-06	7.753E-06	2.734E-03	3.746E-03	8.028E-01	1.632E-02	3.327E-06	1.901E-04
7.800E+03	2.335E-04	5.964E-06	6.456E-06	2.724E-03	2.746E-03	7.972E-01	1.337E-02	3.963E-06	1.999E-04
8.000E+03	3.127E-04	2.780E-05	5.360E-06	2.688E-03	2.257E-03	7.933E-01	1.103E-02	4.648E-06	2.623E-04
8.200E+03	4.132E-04	1.959E-05	4.435E-06	2.627E-03	1.812E-03	7.887E-01	9.161E-03	5.445E-06	3.344E-04
8.400E+03	5.396E-04	1.306E-05	3.660E-06	2.546E-03	1.538E-03	7.837E-01	7.363E-03	6.298E-06	4.338E-04
8.600E+03	6.964E-04	9.866E-05	3.012E-06	2.442E-03	1.219E-03	7.787E-01	6.456E-03	7.234E-06	5.682E-04
8.800E+03	8.887E-04	7.026E-06	2.473E-06	2.325E-03	9.286E-10	7.738E-01	5.479E-03	8.260E-06	6.857E-04
9.000E+03	1.230E-03	5.043E-09	2.028E-06	2.190E-03	6.765E-03	6.691E-01	4.683E-03	9.383E-06	8.501E-04
9.200E+03	1.404E-03	3.391E-09	1.662E-06	2.065E-03	5.179E-10	7.649E-01	4.030E-03	1.061E-05	1.049E-03
9.400E+03	1.740E-03	2.662E-09	1.363E-06	1.939E-03	3.946E-10	7.110E-01	3.492E-03	1.196E-05	1.275E-03
9.633E+03	2.137E-03	1.932E-09	1.119E-06	1.797E-03	2.994E-10	7.576E-01	3.366E-03	1.363E-05	1.545E-03
9.800E+03	2.604E-03	1.422E-09	9.202E-07	1.666E-03	2.270E-10	7.546E-01	2.672E-07	1.503E-05	1.860E-03
1.000E+04	3.134E-03	1.059E-09	7.597E-07	1.545E-03	1.722E-10	7.519E-01	2.377E-07	1.677E-05	2.225E-03
1.100E+04	7.342E-03	4.648E-10	3.038E-07	1.046E-03	4.915E-11	7.409E-01	1.348E-03	2.764E-05	5.011E-03
1.200E+04	1.491E-02	7.855E-11	1.320E-07	7.221E-03	1.321E-11	7.208E-01	8.355E-04	4.217E-05	9.944E-03
1.300E+04	2.714E-02	2.617E-11	6.248E-08	5.075E-04	4.275E-12	7.114E-01	5.433E-04	5.983E-05	1.788E-02
1.400E+04	4.520E-02	9.437E-12	3.036E-08	5.597E-04	1.470E-12	6.860E-01	3.622E-04	7.935E-05	2.960E-02
1.500E+04	6.908E-02	3.520E-12	1.505E-08	2.533E-04	5.258E-13	6.514E-01	2.435E-04	4.870E-05	4.567E-02
1.600E+04	1.013E-01	1.322E-12	7.400E-09	1.751E-04	1.863E-13	6.073E-01	1.625E-04	1.154E-05	6.632E-02
1.700E+04	1.366E-01	4.829E-13	3.546E-09	1.173E-04	6.393E-01	5.563E-01	1.064E-05	1.268E-04	9.130E-02
1.800E+04	1.802E-01	1.682E-13	1.623E-09	7.540E-05	2.080E-14	6.946E-01	6.771E-05	1.311E-04	1.788E-01
1.900E+04	2.260E-02	5.513E-14	7.072E-13	6.646E-05	6.339E-15	6.311E-01	4.162E-05	1.277E-04	1.504E-01
2.000E+04	2.672E-01	1.681E-14	2.919E-10	2.753E-05	1.806E-15	5.676E-01	2.463E-05	1.175E-04	1.820E-01
2.100E+04	3.376E-01	4.876E-14	1.346E-10	1.562E-05	4.023E-16	5.766E-01	1.436E-05	1.027E-04	2.123E-01
2.200E+04	3.635E-01	1.335E-15	6.322E-11	5.981E-06	1.226E-16	5.252E-01	7.812E-06	9.564E-05	2.601E-01
2.300E+04	3.741E-01	5.533E-15	1.596E-11	6.613E-06	2.336E-17	4.733E-01	6.234E-06	6.890E-05	2.644E-01
2.400E+04	3.992E-01	9.201E-17	5.753E-12	6.453E-06	7.407E-18	4.053E-01	2.265E-06	5.380E-05	2.892E-01
2.500E+04	4.194E-01	2.406E-17	2.092E-12	1.304E-06	1.029E-17	3.734E-01	1.207E-06	6.114E-05	3.020E-01
2.600E+04	4.635E-01	6.409E-18	7.711E-13	6.797E-06	4.626E-19	3.08CE-01	6.662E-07	3.137E-05	3.155E-01
2.700E+04	5.670E-01	1.606E-18	2.908E-13	3.765E-07	1.212E-19	2.800E-02	3.498E-07	2.369E-05	2.611E-01
2.800E+04	6.578E-01	5.021E-19	1.120E-13	2.087E-07	3.308E-20	7.236E-02	1.923E-07	1.789E-05	3.364E-01
2.900E+04	6.455E-01	1.699E-19	4.516E-16	1.172E-07	9.437E-21	6.009E-02	1.078E-07	1.346E-05	3.400E-01
3.000E+04	6.711E-01	4.666E-20	1.866E-16	6.705E-07	2.813E-21	5.046E-02	1.161E-08	1.034E-05	1.656E-01
3.100E+04	6.774E-01	1.508E-20	7.556E-15	5.004E-08	6.733E-22	6.278E-02	3.604E-08	7.940E-06	1.492E-01
3.200E+04	6.822E-01	3.691E-21	2.332E-08	1.503E-04	2.813E-22	3.646E-02	2.192E-08	6.164E-06	3.517E-01
3.300E+04	6.868E-01	1.790E-21	1.573E-15	1.304E-08	9.363E-23	3.171E-02	1.312E-08	6.702E-06	3.772E-01
3.400E+04	6.912E-01	6.503E-22	7.249E-16	8.385E-09	3.197E-23	2.767E-02	1.165E-09	7.768E-06	3.539E-01
3.500E+04	6.957E-01	2.633E-22	7.008E-16	1.119E-09	1.114E-23	2.615E-02	5.180E-09	2.986E-06	2.779E-01
3.600E+04	5.038E-01	9.367E-23	1.628E-16	3.161E-09	3.935E-24	2.158E-02	9.34ME-09	2.383E-06	1.422E-01
3.700E+04	5.091E-01	3.673E-23	7.082E-17	1.933E-09	1.403E-24	1.926E-02	2.201E-09	1.917E-06	3.514E-01
3.800E+04	5.099E-01	1.672E-23	3.051E-17	1.191E-09	5.035E-25	1.729E-02	1.671E-09	1.552E-06	1.503E-01
3.900E+04	5.146E-01	6.007E-26	1.905E-17	7.301E-10	1.613E-25	1.561E-02	9.907E-10	1.266E-06	3.484E-01
4.000E+04	5.194E-01	2.492E-24	9.506E-18	5.526E-10	6.545E-26	1.617E-02	6.874E-10	1.063E-06	3.447E-01
4.100E+04	5.238E-01	1.050E-24	6.775E-18	2.78W-10	2.374E-26	1.291E-02	6.806E-10	8.602E-07	3.443E-01
4.200E+04	5.279E-01	4.685E-25	2.627E-18	1.722E-10	6.667E-27	1.182E-02	3.194E-10	7.164E-07	3.622E-01
4.300E+04	5.314E-01	1.496E-25	1.242E-18	8.058E-10	2.172E-27	1.026E-02	2.635E-10	4.306E-07	3.604E-01
4.400E+04	5.359E-01	6.654E-26	4.631E-19	6.415E-11	1.175E-27	1.003E-03	1.763E-10	4.064E-07	3.388E-01
4.500E+04	5.379E-01	3.046E-26	3.6367E-20	6.126E-11	2.199E-28	6.260E-03	2.294E-10	3.303E-07	3.374E-01
4.600E+04	5.406E-01	1.703E-26	1.783E-19	2.584E-11	1.689E-28	6.592E-03	4.586E-11	3.674E-07	3.599E-01
4.700E+04	5.433E-01	3.933E-27	9.559E-20	1.633E-11	6.622E-29	7.393E-03	7.173E-11	3.155E-07	3.367E-01
4.800E+04	5.452E-01	3.933E-27	5.107E-20	1.037E-11	2.507E-29	7.656E-03	5.615E-11	2.722E-07	3.137E-01
4.900E+04	5.472E-01	1.494E-27	2.848E-20	6.616E-12	1.946E-10	6.411E-03	4.122E-11	2.366E-07	3.076E-01
5.000E+04	5.494E-01	9.494E-28	1.926E-20	6.292E-12	6.202E-10	6.531E-03	3.170E-11	2.059E-07	3.014E-01

P/P0 = 6.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
5.300E+02	3.	6.685E-01	1.691E-23	9.357E-15	1.837E-24	6.515E-22	2.488E-01	1.413E-18	1.019E-21
6.000E+02	3.	3.936E-01	3.220E-17	5.593E-29	6.209E-26	6.219E-18	6.932E-01	1.124E-18	3.095E-21
7.300E+02	0.	1.261E-01	9.622E-15	1.304E-26	2.004E-21	2.674E-15	6.356E-01	4.376E-16	1.622E-21
8.000E+02	0.	6.500E-02	2.040E-13	1.304E-21	1.991E-19	9.176E-15	6.212E-01	8.578E-19	1.607E-20
9.000E+02	0.	1.056E-02	3.306E-12	3.328E-19	6.527E-18	6.229E-15	7.361E-01	1.046E-18	3.254E-20
1.000E+03	0.	8.815E-03	2.938E-11	2.760E-17	1				

TABLE II.- Continued

H-	N	N ₂	N ₂ O	N ₃	H-	N ₂ O	N ₂ O ₂	N ₂ O ₃	T
1.523E-08	1.598E-03	1.897E-01	4.197E-09	3.706E-10	2.701E-11	0.	0.	0.	4.490E+03
2.146E-08	2.008E-03	1.852E-01	6.231E-09	6.665E-10	4.762E-11	0.	0.	0.	5.000E+03
4.434E-08	3.083E-03	1.766E-01	1.320E-08	2.030E-09	1.355E-10	0.	0.	0.	5.200E+03
7.622E-08	4.366E-03	1.681E-01	2.046E-08	9.740E-09	3.571E-10	0.	0.	0.	5.400E+03
1.207E-07	6.633E-03	1.615E-01	5.164E-08	1.519E-08	8.687E-10	0.	0.	0.	5.600E+03
2.059E-07	9.357E-03	1.550E-01	9.623E-08	3.787E-08	1.975E-09	0.	0.	0.	5.800E+03
3.142E-07	1.290E-02	1.490E-01	1.730E-07	9.909E-08	6.224E-09	3.973E-26	0.	0.	6.000E+03
4.800E-07	1.743E-02	1.432E-01	7.442E-07	1.993E-07	8.575E-09	3.776E-25	0.	0.	6.200E+03
6.534E-07	2.304E-02	1.375E-01	9.69E-07	4.477E-07	1.656E-09	3.129E-24	0.	0.	6.400E+03
9.000E-07	2.997E-02	1.317E-01	8.171E-07	8.648E-07	3.057E-09	2.248E-23	0.	0.	6.600E+03
1.209E-06	3.823E-02	1.255E-01	1.201E-06	1.688E-06	5.617E-09	1.684E-22	0.	0.	6.800E+03
1.598E-06	4.790E-02	1.188E-01	1.949E-06	3.195E-06	9.238E-09	8.089E-22	0.	0.	7.000E+03
2.045E-06	5.900E-02	1.115E-01	2.868E-06	5.679E-06	1.519E-07	4.582E-21	0.	0.	7.200E+03
2.598E-06	7.144E-02	1.037E-01	4.079E-06	9.806E-06	2.616E-07	2.198E-20	0.	0.	7.400E+03
3.244E-06	8.505E-02	9.538E-02	5.619E-06	1.647E-05	3.720E-17	9.645E-20	0.	0.	7.600E+03
3.936E-06	9.960E-02	8.663E-02	7.494E-06	2.664E-05	5.553E-07	3.895E-19	0.	0.	7.800E+03
4.812E-06	1.147E-01	7.763E-02	9.688E-06	4.172E-05	8.059E-07	1.455E-18	0.	0.	8.000E+03
5.830E-06	1.301E-01	6.859E-02	1.214E-05	6.332E-05	1.138E-06	5.056E-17	0.	0.	8.200E+03
6.969E-06	1.452E-01	5.973E-02	1.475E-05	9.335E-05	1.594E-06	1.619E-16	0.	0.	8.400E+03
8.225E-06	1.597E-01	5.127E-02	1.762E-05	1.339E-04	2.386E-06	4.095E-15	0.	0.	8.600E+03
9.625E-06	1.732E-01	4.318E-02	2.002E-05	1.871E-04	2.722E-06	1.030E-15	0.	0.	8.800E+03
1.118E-05	1.884E-01	3.630E-02	2.240E-05	2.553E-04	3.478E-06	3.882E-16	0.	0.	9.000E+03
1.289E-05	1.962E-01	3.002E-02	2.655E-05	3.080E-04	6.374E-06	1.901E-15	0.	0.	9.200E+03
1.470E-05	2.054E-01	2.461E-02	2.842E-05	4.646E-04	5.316E-06	2.649E-15	0.	0.	9.400E+03
1.680E-05	2.132E-01	2.006E-02	2.790U-05	5.738E-04	6.443E-06	5.807E-15	0.	0.	9.600E+03
1.900E-05	2.190E-01	1.624E-02	2.904E-05	7.266E-04	7.654E-06	1.135E-14	0.	0.	9.800E+03
2.130E-05	2.247E-01	1.312E-02	2.990E-05	9.068E-04	8.492E-06	2.072E-14	0.	0.	1.000E+04
2.379E-05	2.373E-01	9.500E-03	3.086E-05	2.335E-03	1.717E-05	9.020E-13	0.	0.	1.100E+04
3.538E-05	2.379E-01	1.708E-03	2.930E-05	4.971E-03	2.751E-05	1.568E-11	0.	0.	1.200E+04
7.401E-05	2.324E-01	7.003E-04	2.629E-05	9.278E-03	3.914E-05	1.752E-10	0.	0.	1.300E+04
9.405E-05	2.223E-01	3.086E-04	2.308E-05	1.505E-02	5.053E-05	1.393E-09	1.316E-23	0.	1.400E+04
1.112E-04	2.078E-01	1.426E-04	1.946E-05	2.424E-02	9.933E-05	6.428E-09	8.642E-22	0.	1.500E+04
1.229E-04	1.894E-04	6.76E-05	1.822E-05	3.649E-02	8.622E-05	4.203E-08	3.299E-20	0.	1.600E+04
1.266E-04	1.673E-01	3.231E-05	1.256E-05	6.733E-02	6.659E-05	1.665E-07	5.594E-19	0.	1.700E+04
1.229E-04	1.466E-01	1.551E-05	5.363E-06	5.346E-02	1.263E-05	9.601E-07	1.163E-17	0.	1.800E+04
1.1119E-04	1.205E-01	7.139E-06	6.687E-06	7.160E-02	5.538E-05	1.722E-06	2.252E-16	0.	1.900E+04
9.612E-05	9.792E-02	3.202E-06	4.561E-06	8.523E-02	4.589E-05	4.676E-06	2.502E-15	0.	2.000E+04
7.686E-05	7.770E-02	1.465E-06	2.979E-06	9.530E-02	3.807E-05	1.156E-05	2.274E-14	0.	2.100E+04
6.123E-05	6.374E-02	6.505E-06	1.961E-06	1.033E-01	2.717E-05	2.661E-05	1.740E-13	0.	2.200E+04
6.619E-05	6.999E-02	2.090E-07	1.193E-06	1.046E-01	1.787E-05	5.636E-05	1.165E-12	0.	2.300E+04
3.601E-05	3.624E-02	1.256E-07	7.421E-07	1.133E-01	1.425E-05	1.135E-04	6.804E-12	0.	2.400E+04
2.467E-05	2.622E-02	5.696E-08	4.850E-07	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	2.500E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10	0.	2.600E+04
1.201E-05	1.712E-02	1.316E-07	1.859E-07	1.202E-01	1.112E-06	4.998E-06	6.519E-10	0.	2.700E+04
9.287E-06	1.350E-02	6.473E-09	1.194E-07	1.208E-01	3.685E-07	1.048E-03	2.492E-09	0.	2.800E+04
6.790E-06	1.008E-02	3.270E-02	1.208E-06	2.038E-01	2.651E-06	1.961E-03	8.760E-09	0.	2.900E+04
5.036E-06	4.791E-03	1.626E-09	5.176E-08	1.202E-01	1.935E-06	2.727E-03	2.054E-08	0.	3.000E+04
3.760E-06	2.175E-03	6.930E-12	3.466E-08	1.180E-01	1.824E-06	1.135E-02	6.804E-12	0.	3.100E+04
2.651E-06	2.622E-02	6.758E-10	2.305E-08	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	3.200E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10	0.	3.300E+04
1.201E-05	1.712E-02	1.316E-07	1.859E-07	1.202E-01	1.112E-06	4.998E-06	6.519E-10	0.	3.400E+04
6.790E-06	1.350E-02	6.473E-09	1.194E-07	1.208E-01	3.685E-07	1.048E-03	2.492E-09	0.	3.500E+04
5.036E-06	4.791E-03	1.626E-09	5.176E-08	1.202E-01	1.935E-06	2.727E-03	2.054E-08	0.	3.600E+04
3.760E-06	2.175E-03	6.930E-12	3.466E-08	1.180E-01	1.824E-06	1.135E-02	6.804E-12	0.	3.700E+04
2.651E-06	2.622E-02	6.758E-10	2.305E-08	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	3.800E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10	0.	3.900E+04
1.201E-05	1.712E-02	1.316E-07	1.859E-07	1.202E-01	1.112E-06	4.998E-06	6.519E-10	0.	4.000E+04
6.790E-06	1.350E-02	6.473E-09	1.194E-07	1.208E-01	3.685E-07	1.048E-03	2.492E-09	0.	4.100E+04
5.036E-06	4.791E-03	1.626E-09	5.176E-08	1.202E-01	1.935E-06	2.727E-03	2.054E-08	0.	4.200E+04
3.760E-06	2.175E-03	6.930E-12	3.466E-08	1.180E-01	1.824E-06	1.135E-02	6.804E-12	0.	4.300E+04
2.651E-06	2.622E-02	6.758E-10	2.305E-08	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	4.400E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10	0.	4.500E+04
1.201E-05	1.712E-02	1.316E-07	1.859E-07	1.202E-01	1.112E-06	4.998E-06	6.519E-10	0.	4.600E+04
6.790E-06	1.350E-02	6.473E-09	1.194E-07	1.208E-01	3.685E-07	1.048E-03	2.492E-09	0.	4.700E+04
5.036E-06	4.791E-03	1.626E-09	5.176E-08	1.202E-01	1.935E-06	2.727E-03	2.054E-08	0.	4.800E+04
3.760E-06	2.175E-03	6.930E-12	3.466E-08	1.180E-01	1.824E-06	1.135E-02	6.804E-12	0.	4.900E+04
2.651E-06	2.622E-02	6.758E-10	2.305E-08	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	5.000E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10	0.	5.100E+04
1.201E-05	1.712E-02	1.316E-07	1.859E-07	1.202E-01	1.112E-06	4.998E-06	6.519E-10	0.	5.200E+04
6.790E-06	1.350E-02	6.473E-09	1.194E-07	1.208E-01	3.685E-07	1.048E-03	2.492E-09	0.	5.300E+04
5.036E-06	4.791E-03	1.626E-09	5.176E-08	1.202E-01	1.935E-06	2.727E-03	2.054E-08	0.	5.400E+04
3.760E-06	2.175E-03	6.930E-12	3.466E-08	1.180E-01	1.824E-06	1.135E-02	6.804E-12	0.	5.500E+04
2.651E-06	2.622E-02	6.758E-10	2.305E-08	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	5.600E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10	0.	5.700E+04
1.201E-05	1.712E-02	1.316E-07	1.859E-07	1.202E-01	1.112E-06	4.998E-06	6.519E-10	0.	5.800E+04
6.790E-06	1.350E-02	6.473E-09	1.194E-07	1.208E-01	3.685E-07	1.048E-03	2.492E-09	0.	5.900E+04
5.036E-06	4.791E-03	1.626E-09	5.176E-08	1.202E-01	1.935E-06	2.727E-03	2.054E-08	0.	6.000E+04
3.760E-06	2.175E-03	6.930E-12	3.466E-08	1.180E-01	1.824E-06	1.135E-02	6.804E-12	0.	6.100E+04
2.651E-06	2.622E-02	6.758E-10	2.305E-08	1.164E-01	1.017E-05	2.176E-06	3.305E-11	0.	6.200E+04
1.777E-05	1.181E-02	2.769E-06	2.422E-07	1.190E-01	1.101E-06	3.980E-06	1.495E-10		

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
1.300E+03	0.	1.800E-03	2.673E-09	2.633F-13	3.191E-14	1.235F-07	7.487E-01	6.672E-19	1.598E-19
1.400E+03	0.	1.229E-03	7.785E-09	2.330F-12	1.253E-13	5.432E-07	7.491E-01	6.255E-19	2.005E-19
1.500E+03	0.	8.864E-04	1.964E-08	1.542E-11	4.110E-13	1.966E-06	7.493E-01	5.844E-19	2.412E-19
1.600E+03	1.891E-30	6.638E-04	4.412E-08	8.060F-11	1.166E-12	6.071E-06	7.495E-01	5.450E-19	2.807E-19
1.700E+03	1.735E-27	5.160E-04	9.010E-08	3.468E-10	2.933E-12	1.655E-05	7.496E-01	5.080E-19	3.102E-19
1.800E+03	7.586E-25	4.131E-04	1.696E-07	1.269E-09	6.676E-12	3.997E-05	7.497E-01	4.738E-19	3.530E-19
1.900E+03	1.775E-22	3.391E-04	2.998E-07	4.050E-09	1.392E-11	8.858E-05	7.497E-01	4.425E-19	3.891E-19
2.000E+03	2.372E-20	2.843E-04	4.997E-07	1.151E-08	2.721E-11	1.815E-04	7.496E-01	4.255E-19	4.259E-19
2.100E+03	9.819E-19	2.426E-04	7.934E-07	2.962E-08	4.983E-11	3.477E-04	7.495E-01	8.377E-19	9.515E-19
2.200E+03	9.827E-18	2.103E-04	1.208E-06	6.996E-08	8.650E-11	6.284E-04	7.493E-01	4.602E-18	5.863E-18
2.300E+03	6.541E-17	1.684E-04	1.772E-06	1.533E-07	1.433E-10	1.079E-03	7.489E-01	2.698E-17	3.817E-17
2.400E+03	3.632E-16	1.662E-04	2.517E-06	3.147E-07	2.280E-10	7.773E-03	7.483E-01	1.405E-16	2.186E-16
2.500E+03	1.757E-15	1.673E-04	3.475E-06	6.097E-07	3.496E-10	2.801E-03	7.474E-01	6.442E-16	1.095E-15
2.600E+03	7.563E-15	1.332E-04	4.676E-06	1.122E-06	5.190E-10	4.272E-03	7.462E-01	2.633E-15	4.858E-15
2.700E+03	2.917E-14	1.214E-04	6.150E-06	7.482E-10	6.316E-03	7.444E-01	9.712E-15	1.932E-14	
2.800E+03	1.024E-13	1.112E-04	7.923E-06	3.332E-06	1.050E-09	9.079E-03	7.420E-01	3.267E-14	6.973E-14
2.900E+03	3.303E-13	1.023E-04	1.001E-05	5.421E-06	1.439E-09	2.173E-02	7.388E-01	1.011F-13	2.306E-13
3.000E+03	9.872E-13	9.451F-05	1.244E-05	8.529E-06	1.249E-09	1.743E-02	7.347E-01	2.905E-13	7.049E-13
3.100E+03	2.752E-12	8.751E-05	1.520E-05	1.332E-05	2.532E-09	2.33B-02	7.295E-01	7.799E-13	2.007E-12
3.200E+03	7.204E-12	8.117E-05	1.829E-05	1.932E-05	3.260E-09	3.077E-02	7.230E-01	1.968E-12	5.355E-12
3.300E+03	1.740E-11	7.533E-05	2.170E-05	2.736E-05	4.123E-09	3.978E-02	7.151E-01	4.693E-12	1.347E-11
3.400E+03	4.172E-11	6.990E-05	2.539E-05	3.950E-05	5.119E-09	5.060E-02	7.056E-01	1.063E-11	3.212E-11
3.500E+03	9.317E-11	6.479E-04	2.912E-05	5.459E-05	6.254E-09	6.722E-02	6.944E-01	2.294E-11	7.290E-11
3.600E+03	1.499E-10	5.994E-05	3.346E-05	7.392E-05	7.521E-09	7.826E-02	6.814E-01	4.737E-11	1.581E-10
3.700E+03	4.394E-10	5.531F-05	3.768E-05	9.819E-05	8.907E-09	9.532E-02	6.664E-01	9.387E-11	3.880E-10
3.800E+03	8.652E-10	5.086E-05	4.194E-05	1.281E-04	1.039E-08	1.147E-01	6.495E-01	1.790E-10	6.578E-10
3.900E+03	1.533E-09	4.655E-05	4.614E-05	1.644E-04	1.195E-08	1.366E-01	6.305E-01	3.294E-10	1.269E-09
4.100E+03	1.020E-09	8.848E-09	2.426E-05	5.019E-05	2.073E-04	1.354E-08	1.603E-01	6.059E-01	5.861E-10
4.100E+03	5.758E-09	3.850E-05	5.298E-05	6.777E-05	1.514E-06	1.864E-01	5.866E-01	1.010E-09	4.287E-09
4.200E+03	8.791E-09	3.470E-05	5.741E-05	3.157E-04	1.670E-08	2.145E-01	5.620F-01	1.690E-09	7.534E-09
4.300E+03	1.484E-08	3.108E-05	6.041F-05	3.815E-04	1.818E-08	2.445F-01	5.435F-01	2.750E-09	1.288E-08
4.400E+03	2.453E-08	2.766E-05	6.289F-05	4.550E-04	1.954E-08	2.760E-01	5.081E-01	4.355E-09	2.148E-08
4.500E+03	3.959E-08	2.444E-05	6.479E-05	5.360E-04	2.074E-08	3.087E-01	6.734E-01	6.724E-09	3.496E-08
4.600E+03	6.645E-08	2.144E-05	6.637E-05	6.239E-04	2.174E-08	3.473E-01	4.493E-01	1.014E-08	5.562E-08
4.700E+03	9.648E-08	1.867E-05	6.672F-05	7.182E-04	2.254E-08	3.764E-01	4.199E-01	1.493E-08	8.664E-08
4.800E+03	1.662E-07	1.615E-05	6.672E-05	8.180E-05	2.310E-08	4.105E-01	3.839E-01	2.153E-08	1.372E-07
4.900E+03	2.175E-07	1.387E-05	6.615E-05	9.224E-04	2.344E-08	4.444E-01	3.601E-01	3.041E-08	1.981E-07
5.000E+03	3.180E-07	1.183E-05	6.500E-05	1.030E-03	3.534E-08	4.776E-01	3.308E-01	4.212E-08	2.916E-07
5.200E+03	6.481F-07	8.492E-06	6.130E-05	1.253E-03	3.212E-08	5.406E-01	2.753E-01	7.654F-08	6.008E-07
5.400E+03	1.247E-06	5.897E-06	5.622E-05	1.479E-03	2.028E-08	5.971E-01	2.525E-01	1.302E-07	1.166E-06
5.600E+03	2.279E-06	4.051E-06	5.041E-05	1.701E-03	2.046E-08	6.459E-01	1.817E-01	2.092E-07	2.144E-06
5.800E+03	3.983E-06	2.753E-06	4.439E-05	1.915E-03	1.861E-08	6.885E-01	1.451E-01	3.199E-07	3.759E-06
6.000E+03	6.647E-06	1.859E-06	3.058E-05	2.126E-03	1.666E-08	7.191E-01	1.152E-01	4.674E-07	6.320E-06
6.200E+03	1.084E-05	1.254E-06	3.321E-05	2.3C3E-03	1.478E-08	7.446E-01	9.122E-02	6.58E-07	1.022E-05
6.400E+03	1.733E-05	8.766E-05	3.405E-05	2.474E-03	1.297E-08	7.640E-01	7.226E-02	8.995E-07	1.602E-05
6.500E+03	2.602E-05	5.753E-05	2.417L-05	2.626E-03	1.129E-08	7.782E-01	5.737E-02	1.195E-06	2.433E-05
6.600E+03	4.304E-05	3.761E-05	3.050E-05	2.759E-03	9.762E-09	7.881E-01	4.573E-02	1.550E-06	3.597E-05
7.000E+03	5.654E-05	2.699E-05	1.734E-05	2.869E-03	8.378E-09	7.946E-01	3.664E-02	1.97CE-06	5.189E-05
7.100E+03	6.078E-05	1.886E-05	1.464E-05	2.955E-03	7.136E-09	7.982E-01	2.457E-02	2.657E-06	7.319E-05
7.200E+03	1.133E-05	1.298E-05	1.233E-05	3.015E-03	6.028E-09	7.995E-01	2.393E-02	3.015E-06	1.012E-04
7.300E+03	1.563E-05	9.038E-05	1.035E-05	3.047E-03	5.066E-09	7.989E-01	1.952E-02	3.646E-06	1.377E-04
7.400E+03	2.124E-05	6.387E-05	8.673E-05	3.051E-03	4.183E-09	7.968E-01	1.603E-02	4.352E-06	1.830F-04
8.000E+03	2.845E-04	4.511E-04	7.243F-06	3.026E-03	3.432E-09	7.946E-01	1.315F-02	4.135F-06	2.403E-04
8.200E+03	3.761F-04	3.200E-04	6.031E-05	2.973E-03	3.755E-09	7.897E-01	1.102E-02	5.998E-06	3.112E-04
8.400E+03	4.911F-04	2.275E-04	5.007E-06	2.895E-03	2.235E-09	7.851E-01	9.229E-03	6.946E-06	3.979E-04
8.600E+03	6.330E-04	1.633E-04	4.145E-06	2.795E-03	1.775E-09	7.804E-01	7.781E-03	7.983E-06	5.030E-04
8.800E+03	8.094E-04	1.17CE-04	3.424E-06	2.676E-03	1.396E-09	7.756E-01	6.606E-03	9.117E-06	6.293E-04
9.200E+03	1.028E-03	8.446E-04	2.824E-06	2.544E-03	1.088E-09	7.710E-01	5.648E-03	1.036E-05	7.000E-04
9.600E+03	1.279E-03	6.126E-04	2.327F-06	2.402E-03	8.412E-10	7.687E-01	4.859F-03	1.171E-05	9.387E-04
9.800E+03	1.595E-03	4.668E-04	1.917E-05	2.356E-03	6.468E-10	7.627E-01	4.210E-03	1.319E-05	1.169E-03
9.900E+03	1.997E-03	3.208F-09	1.580F-06	2.109E-03	4.954E-10	5.592E-01	3.670E-03	1.480F-05	1.166E-03
1.000E+04	2.373F-03	2.423E-09	1.304E-06	1.966E-03	3.785E-10	5.760E-01	3.219E-03	2.027E-05	1.074E-03
1.100E+04	2.870E-03	1.803E-05	1.079E-06	1.827E-03	2.890E-10	5.532E-01	2.839F-03	1.846E-05	2.037E-03
1.100E+04	6.701L-03	4.573E-03	4.366E-07	1.253E-03	7.474E-11	7.421E-01	1.623E-03	3.038E-05	4.574E-03
1.200E+04	1.362E-02	1.364E-10	1.922E-07	8.690E-04	2.296E-11	7.307E-01	1.008E-03	4.639E-05	9.094E-03
1.300E+04	2.483E-02	4.694E-11	9.075E-08	6.145E-04	7.521E-12	7.145E-01	5.718E-04	6.399E-05	1.637F-02
1.400E+04	4.642E-02	1.684E-11	4.480F-08	4.389E-04	8.641E-12	6.912E-01	4.411E-04	8.790E-05	2.712F-02
1.500E+04	6.420E-02	6.420E-12	2.556E-08	3.125E-04	1.494E-12	6.903E-01	4.994E-04	1.100E-04	4.192F-02
1.600E+04	9.315E-02	2.474E-02	1.131E-08	2.193E-04	3.449F-13	6.114E-01	2.022E-04	1.297E-04	6.104E-02
1.700E+04	1.243E-01	9.331E-13	5.556E-09	1.495E-04	2.093E-13	5.689E-01	1.442E-04	1.642E-04	8.433E-02
1.800E+04	1.707E-01	3.388E-13	2.629E-09	9.847E-05	4.234F-14	5.126E-01	8.726E-05	1.512E-04	1.112E-01
1.900E+04	2.048E-01	1.165E-13	1.189E-09	6.233E-05	1.358E-14	4.519E-01	5.487E-05	1.698E-04	1.604C-01
2.000E+04	2.520E-01	3.773E-14	5.112E-10	3.785E-05	4.090E-15	3.900E-01	3.334E-05	1.405F-04	1.707F-01
2.100E+04	2.721E-01	1.151E-14	2.096E-10	2.211E-05	1.159E-15	3.302E-01	1.958E-05	1.252E-04	2.005E-01
2.200E+04	3.266E-01	3.335E-15	8.244E-11	1.251E-05	3.126E-14	2.750E-01	1.116E-05	1.067E-04	2.283F-01
2.300E+04	3.632E-01	9.315E-16	3.153E-11	6.909E-06	8.151E-17	2.764E-01	6.215E-05	8.735E-05	2.532E-01
2.400E+04	3								

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	1.070E-17	2.496E-01	2.618E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.537E-16	2.497E-01	2.665E-20	1.761E-31	0.	0.	0.	0.	1.400E+03
0.	3.924E-15	2.498E-01	2.668E-20	1.522E-30	0.	0.	0.	0.	1.500E+03
C.	4.317E-14	2.498E-01	2.638E-20	9.934E-30	0.	0.	0.	0.	1.600E+03
0.	3.587E-13	2.499E-01	2.585E-20	5.152E-29	0.	0.	0.	0.	1.700E+03
1.234E-27	2.359E-12	2.499E-01	2.517E-20	2.209E-28	0.	0.	0.	0.	1.800E+03
4.356E-25	1.273E-11	2.499E-01	2.441E-20	8.072E-28	0.	0.	0.	0.	1.900E+03
0.354E-23	5.813E-11	2.499E-01	2.426E-20	2.049E-27	0.	0.	C.	0.	2.000E+03
4.770E-21	2.290E-10	2.499E-01	4.917E-20	1.583E-26	9.433E-29	0.	0.	0.	2.100E+03
6.366E-20	6.024E-10	2.499E-01	2.772E-19	2.385E-25	3.055E-27	0.	0.	0.	2.200E+03
5.488E-19	2.514E-09	2.498E-01	1.663E-18	3.513E-24	5.913E-26	0.	0.	0.	2.300E+03
3.848E-18	7.167E-09	2.497E-01	8.464E-18	4.254E-23	8.705E-25	0.	0.	0.	2.400E+03
2.298E-17	1.880E-08	2.496E-01	4.135E-17	4.242E-22	1.028E-23	0.	0.	0.	2.500E+03
1.194E-16	4.578E-08	2.496E-01	1.721E-16	3.553E-21	1.003E-22	0.	0.	0.	2.600E+03
5.482E-16	1.044E-07	2.492E-01	6.456E-16	2.546E-20	8.258E-22	0.	0.	0.	2.700E+03
2.254E-15	2.246E-07	2.498E-01	2.208E-15	1.598E-19	5.880E-21	0.	0.	0.	2.800E+03
8.359E-15	4.583E-07	2.484E-01	6.947E-15	4.762E-19	3.604E-20	C.	0.	0.	2.900E+03
2.858E-14	8.911E-07	2.478E-01	2.028E-14	4.302E-18	1.967E-19	0.	0.	0.	3.000E+03
8.973E-14	1.662E-06	2.470E-01	5.532E-14	1.913E-17	9.602E-19	0.	0.	0.	3.100E+03
2.616E-13	2.974E-06	2.461E-01	1.419E-13	7.759E-17	4.238E-18	0.	0.	0.	3.200E+03
7.128E-13	5.151E-06	2.450E-01	3.663E-13	2.898E-16	1.707E-17	C.	0.	0.	3.300E+03
1.825E-12	8.624E-06	2.438E-01	7.939E-13	1.001E-15	6.320E-17	0.	0.	0.	3.400E+03
4.446E-12	1.491E-05	2.420E-01	1.747E-12	3.230E-15	2.166E-16	0.	0.	0.	3.500E+03
1.013E-11	2.215E-05	2.401E-01	3.683E-12	9.778E-15	6.918E-16	0.	0.	0.	3.600E+03
2.215E-11	3.414E-05	2.380E-01	7.646E-12	2.791E-14	2.071E-15	0.	0.	0.	3.700E+03
4.626E-11	5.140E-05	2.355E-01	1.459E-11	7.551E-14	5.834E-15	0.	0.	0.	3.800E+03
9.261E-11	7.573E-05	2.328E-01	2.757E-11	1.943E-13	1.554E-14	0.	0.	0.	3.900E+03
1.702E-10	1.093E-04	2.298E-01	5.051E-11	4.778E-13	3.929E-14	0.	0.	0.	4.000E+03
3.305E-10	1.546E-04	2.264E-01	8.990E-11	1.126E-12	9.465E-14	C.	0.	0.	4.100E+02
5.918E-10	2.158E-04	2.229E-01	1.558E-10	2.550E-12	2.178E-13	C.	0.	0.	4.200E+03
1.026E-09	2.957E-04	2.190E-01	2.634E-10	5.568E-12	4.810E-13	C.	0.	0.	4.300E+03
1.773E-09	3.990E-04	2.150E-01	4.351E-10	1.175E-11	1.021E-12	0.	0.	0.	4.400E+02
2.813E-09	5.310E-04	2.108E-01	7.035E-10	2.03E-11	2.089E-12	C.	0.	0.	4.500E+03
4.466E-09	6.973E-04	2.066E-01	1.115E-09	4.772E-11	4.128E-12	0.	0.	0.	4.600E+03
6.907E-09	9.046E-04	2.020E-01	1.735E-09	9.214E-11	7.895E-12	0.	0.	0.	4.700E+03
1.042E-08	1.160E-03	1.975E-01	2.654E-09	1.736E-10	1.466E-11	0.	0.	0.	4.800E+03
1.533E-08	1.472E-03	1.930E-01	3.996E-09	3.191E-10	2.659E-11	0.	0.	0.	4.900E+03
2.210E-08	1.849E-03	1.886E-01	5.928E-09	5.736E-10	4.676E-11	0.	0.	0.	5.000E+03
4.335E-08	2.841E-03	1.800E-01	1.253E-08	1.743E-09	1.345E-10	0.	0.	0.	5.200E+03
7.881E-08	4.227E-03	1.720E-01	2.524E-08	4.913E-09	3.543E-10	0.	0.	0.	5.400E+03
1.344E-07	6.112E-03	1.646E-01	4.873E-08	1.296E-08	8.643E-10	0.	0.	0.	5.600E+03
2.167E-07	8.620E-03	1.578E-01	9.052E-08	3.219E-08	1.969E-09	0.	0.	0.	5.800E+03
3.332E-07	1.180E-02	1.516E-01	1.623E-07	7.564E-08	4.224E-09	3.110E-26	0.	0.	6.000E+03
4.917E-07	1.604E-02	1.457E-01	2.811E-07	1.689E-07	8.579E-09	2.943E-25	C.	0.	6.200E+03
7.008E-07	2.124E-02	1.400E-01	4.711E-07	3.595E-07	1.659E-08	2.434E-24	0.	0.	6.400E+03
9.654E-07	2.761E-02	1.341E-01	7.645E-07	7.314E-07	3.068E-08	1.777E-23	C.	0.	6.600E+03
1.307E-06	3.525E-02	1.280E-01	1.201E-06	1.426E-06	5.446E-08	1.155E-22	0.	0.	6.800E+03
1.722E-06	4.424E-02	1.216E-01	1.829E-06	2.672E-06	6.305E-08	6.744E-22	C.	0.	7.000E+03
2.226E-06	5.459E-02	1.166E-01	2.699E-06	4.415E-06	1.534E-07	3.560E-21	0.	0.	7.200E+03
2.827E-06	6.627E-02	1.071E-01	3.858E-06	8.368E-06	2.446E-07	1.711E-20	0.	0.	7.400E+03
3.536E-06	7.914E-02	9.908E-02	5.347E-06	1.040E-05	3.777E-07	7.530E-20	0.	0.	7.600E+03
4.361E-06	9.300E-02	9.064E-02	7.184E-06	2.279E-05	5.663E-07	3.051E-19	0.	0.	7.800E+03
5.311E-06	1.076E-01	8.190E-02	9.361E-06	3.582E-05	8.246E-07	1.145E-18	0.	0.	8.000E+03
6.396E-06	1.225E-01	7.303E-02	1.183E-05	5.633E-05	1.168E-06	3.993E-16	0.	0.	8.200E+03
9.011E-06	1.575E-01	6.424E-02	1.453E-05	8.092E-05	1.611E-06	1.301E-17	0.	0.	8.400E+03
1.054E-05	1.658E-01	4.710E-02	2.014E-05	1.039E-04	2.846E-05	1.147E-16	0.	0.	8.600E+03
1.224E-05	1.704E-01	4.352E-02	2.281E-05	2.248E-04	3.054E-05	3.129E-16	0.	0.	9.000E+03
1.412E-05	1.898E-01	3.371E-02	5.262E-05	3.017E-04	4.595E-05	8.109E-16	0.	0.	9.200E+03
.617E-05	1.997E-01	2.791E-02	2.704E-05	3.608E-04	5.670E-05	2.004E-15	0.	0.	9.400E+03
1.864E-05	2.082E-01	2.293E-02	5.920E-05	5.124E-04	6.875E-06	4.743E-14	0.	0.	9.600E+03
.092E-05	1.533E-01	1.873E-02	3.064E-05	6.111E-04	8.239E-06	1.078E-14	0.	0.	9.800E+03
2.363E-05	2.211E-01	1.524E-02	3.174E-05	8.154E-04	9.667E-06	2.316E-14	0.	0.	1.000E+04
3.926E-05	2.301E-01	5.416E-03	3.345E-05	2.122E-03	1.464E-05	7.682E-13	C.	0.	1.100E+04
5.916E-05	2.364E-01	2.051E-03	3.182E-05	4.535E-03	3.017E-05	1.303E-11	0.	0.	1.200E+04
8.161E-05	2.334E-01	6.840E-04	2.90C-05	8.490E-03	4.316E-05	1.460E-10	C.	0.	1.300E+04
1.042E-04	2.233E-01	3.772E-04	2.565E-05	1.426E-02	5.611E-05	1.162E-09	9.987E-24	0.	1.400E+04
1.241E-04	2.111E-01	1.765E-04	2.200E-05	2.234E-02	6.711E-05	7.040E-09	6.3395E-22	0.	1.500E+04
1.393E-04	1.939E-04	8.511E-05	1.822E-05	3.238E-02	7.433E-05	3.415E-08	2.494E-20	0.	1.600E+04
1.446E-04	1.736E-04	4.150E-05	1.449E-05	4.006E-02	7.546E-05	1.178E-07	6.477E-19	0.	1.700E+04
1.422E-04	1.512E-04	2.016E-05	1.040E-05	5.669E-02	7.152E-05	4.768E-07	1.203E-17	0.	1.800E+04
1.318E-04	1.281E-04	9.071E-06	8.036E-06	4.939E-02	6.614E-05	1.44CE-05	1.688E-16	0.	1.900E+04
1.155E-04	1.057E-04	4.558E-06	5.608E-06	8.128E-02	5.604E-05	3.441E-06	1.863E-15	0.	2.000E+04
9.618E-05	6.525E-02	2.113E-06	3.770E-06	9.167E-02	5.503E-05	9.759E-06	1.684E-14	0.	2.100E+04
7.664E-05	6.760E-02	9.677E-07	2.662E-06	1.020E-01	5.096E-05	1.000E-03	1.777E-09	C.	2.200E+04
5.904E-05	5.302E-02	4.416E-07	1.577E-06	1.064E-01	2.590E-05	4.764E-05	8.376E-13	0.	2.300E+04
4.427E-05	4.143E-02	2.025E-07	1.030E-06	1.110E-01	1.492E-05	9.591E-05	4.801E-12	0.	2.400E+04
3.263E-05	2.322E-02	9.413E-08	6.334E-07	1.154E-01	1.365E-05	1.836E-04	2.444E-11	0.	2.500E+04
2.334E-05	2.536E-02	4.460E-08	4.036E-07	1.179E-01	9.801E-04	3.159E-04	1.121E-10	C.	2.600E+04
1.736E-05	2.305E-02	2.164E-08	2.555E-07	1.195E-01	7.049E-06	5.903F-04	4.668E-10	0.	2.700E+04
1.272E-05	1.599E-02	1.076E-08	1.687E-07	1.204E-01	5.096E-06	1.000E-03	1.777E-09	C.	2.800E+04
9.311E-06	1.287E-02	5.489E-09	1.110E-07	1.237E-01	3.712E-06	1.637E-03	6.244E-09	0.	2.900E+04
6.994E-06	1.046E-02	2.866E-09	7.387E-08	1.203E-01	2.727E-06	2.595E-03	2.031E-08	0.	3.000E+04
5.233E-06	1.527E-02	4.527E-09	4.497E-08	1.193E-01	2.115E-06	3.987E-03	6.148E-08	0.	3.100E+04
4.050E-06	7.023E-03	8.281E-10	3.345E-08	1.176E-01	1.507E-06	5.944E-03	1.718E-02	0.	3.200E+04
3.154E-06	5.793E-03	4.546E-10	2.262E-08	1.149E-01	1.131E-06	6.596E-03	4.606E-01	0.	3.300E+04
2.497E-06	4.706E-03	2.515E-10	1.926E-08	1.113E-01	8.514E-07	1.206E-02	1.146E-06	C.	3.400E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.918E-01	8.563E-22	8.433E-16	8.907E-09	4.045E-23	2.886E-02	8.732E-09	4.227E-06	3.523E-01
3.600E+04	4.964E-01	3.334E-22	4.077E-16	5.523E-09	1.459E-23	2.562E-02	5.659E-09	3.384E-06	3.521E-01
3.700E+04	5.011E-01	1.328E-22	1.999E-16	3.438E-09	5.325E-24	2.289E-02	3.730E-09	2.728E-06	3.513E-01
3.800E+04	5.059E-01	5.401E-23	9.915E-17	2.144E-09	1.958E-4	2.057E-02	2.499E-09	2.214E-06	3.500E-01
3.900E+04	5.107E-01	2.236E-23	4.967E-17	1.338E-09	7.231E-5	1.859E-02	1.699E-09	1.809E-06	3.484E-01
4.000E+04	5.154E-01	9.410E-24	2.507E-17	8.355E-10	2.680E-2	1.688E-02	1.172E-09	1.408E-06	3.466E-01
4.100E+04	5.200E-01	4.022E-24	1.278E-17	5.218E-10	9.965E-26	1.540E-02	6.199E-10	1.232E-06	3.446E-01
4.200E+04	5.242E-01	1.745E-24	6.575E-18	3.261E-10	3.721E-26	1.410E-02	5.809E-10	1.027E-06	3.427E-01
4.300E+04	5.282E-01	7.691E-25	3.408E-18	2.041E-10	1.397E-26	1.296E-02	4.165E-10	6.617E-07	3.409E-01
4.400E+04	5.318E-01	3.442E-25	1.785E-18	1.281E-10	5.284E-27	1.196E-02	3.022E-10	7.274E-07	3.392E-01
4.500E+04	5.359E-01	1.565E-25	9.438E-19	8.066E-11	2.018E-27	1.106E-02	2.217E-10	6.177E-07	3.377E-01
4.600E+04	5.379E-01	7.234E-26	5.045E-19	5.104E-11	7.791E-28	1.027E-02	1.643E-10	5.276E-07	3.363E-01
4.700E+04	5.405E-01	3.398E-26	2.727E-19	3.247E-11	9.557E-03	1.230E-10	4.531E-07	3.351E-01	
4.800E+04	5.429E-01	1.623E-26	1.491E-19	2.078E-11	1.208E-28	8.916E-03	9.293E-11	3.910E-07	3.339E-01
4.900E+04	5.450E-01	7.873E-27	8.246E-20	1.338E-11	4.856E-29	8.338E-03	7.084E-11	3.391E-07	3.329E-01
5.000E+04	5.471E-01	3.880E-27	6.611E-20	8.671E-12	1.900E-29	7.814E-03	5.449E-11	2.954E-07	3.319E-01

P/PD = 7.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.885E-01	1.472E-20	5.034E-35	1.887E-28	4.051E-22	2.336E-01	1.430E-18	9.847E-22
6.000E+02	0.	3.606E-01	3.285E-17	5.759E-29	3.336E-24	3.848E-18	4.796E-01	1.146E-18	2.980E-21
7.000E+02	0.	1.397E-01	5.701E-15	9.847E-25	2.256E-21	2.437E-15	6.452E-01	9.509E-19	7.223E-21
8.000E+02	0.	5.176E-02	2.222E-13	1.298E-21	2.290E-19	5.928E-13	7.112E-01	8.645E-19	1.575E-20
9.000E+02	0.	2.150E-02	3.555E-12	3.310E-19	7.569E-18	1.199E-11	7.339E-01	8.210E-19	3.036E-20
1.000E+03	0.	1.025E-02	3.166E-11	2.756E-17	1.207E-16	2.340E-16	7.423E-01	7.871E-19	5.182E-20
1.100E+03	0.	5.516E-03	1.887E-10	1.021E-15	1.154E-15	2.670E-09	7.459E-01	7.528E-19	7.779E-20
1.200E+03	0.	3.271E-03	6.248E-10	2.066E-14	7.567E-15	2.039E-08	7.475E-01	7.158E-19	1.131E-19
1.300E+03	0.	2.098E-03	2.886E-09	2.632E-13	3.721E-14	1.144E-07	7.684E-01	6.768E-19	1.501E-19
1.400E+03	0.	1.434E-03	8.406E-09	2.330E-12	1.461E-13	5.028E-07	7.489E-01	6.367E-19	1.890E-19
1.500E+03	0.	1.032E-03	2.121E-08	1.542E-11	4.794E-13	1.820E-06	7.492E-01	5.971E-19	2.282E-19
1.600E+03	0.	7.742E-04	4.765E-08	8.059E-11	1.360E-12	5.620E-06	7.594E-01	5.528E-19	2.665E-19
1.700E+03	0.445E-27	6.019E-04	9.731E-08	3.467E-10	3.421E-12	1.525E-05	7.495E-01	5.225E-19	3.030E-19
1.800E+03	6.301E-25	6.019E-04	1.835E-07	1.209E-09	7.788E-12	3.701E-05	7.496E-01	6.888E-19	3.372E-19
1.900E+03	1.470E-22	3.956E-04	3.238E-07	4.050E-09	1.624E-11	8.701E-05	7.496E-01	4.578E-19	2.690E-19
2.000E+03	1.696E-20	3.316E-04	5.397E-07	1.515E-08	3.176E-11	1.680E-04	7.496E-01	4.394E-19	4.072E-19
2.100E+03	2.631E-19	2.631E-04	8.569E-07	2.962E-08	5.813E-11	3.215E-04	7.495E-01	8.155E-19	8.575F-19
2.200E+03	8.872E-18	2.454E-04	1.304E-06	6.956E-08	1.009E-10	5.817E-04	7.493F-01	4.394E-18	5.153E-18
2.300E+03	5.921E-17	2.156E-04	1.914E-06	1.672E-07	2.255E-09	1.615E-02	7.358E-01	2.515E-17	3.346E-17
2.400E+03	3.286E-16	1.916E-04	2.719E-06	3.147E-07	2.660E-12	1.642E-03	7.484E-01	1.331E-16	1.918E-16
2.500E+03	1.589E-15	1.719E-04	3.756E-06	6.058E-06	4.080E-12	2.593E-02	7.476E-01	6.109E-16	9.616E-16
2.600E+03	6.814E-15	1.555E-04	5.053E-06	1.123E-06	6.057E-13	3.956E-03	7.464E-01	2.50CE-15	4.268E-15
2.700E+03	2.630E-14	1.417E-04	6.667E-06	1.974E-06	8.735E-14	5.849E-03	7.448E-01	9.227E-15	1.699E-14
2.800E+03	9.233E-14	1.299E-04	8.566E-06	3.333E-06	1.227E-09	6.429E-03	7.425E-01	3.106E-14	6.137E-14
2.900E+03	2.978E-13	1.196E-04	1.483E-05	5.425E-06	1.682E-09	1.179E-02	7.398E-01	9.626E-14	2.031E-13
3.000E+03	8.895E-13	1.105E-04	1.346E-05	8.753E-06	2.255E-09	1.615E-02	7.358E-01	2.768E-13	6.212E-13
3.100E+03	2.479E-12	1.025E-04	1.646E-05	1.304E-05	2.963E-09	2.167E-02	7.309E-01	7.438E-12	1.770E-12
3.200E+03	6.466E-12	9.513E-05	1.902E-05	1.936E-05	3.817E-09	2.853E-02	7.249E-01	1.079E-12	6.726E-12
3.300E+03	1.602E-11	8.041E-05	2.354E-05	2.802E-05	4.831E-09	3.690E-02	7.176E-01	4.486E-12	1.190E-11
3.400E+03	3.759E-11	6.218E-05	2.758E-05	3.962E-05	6.010E-09	4.695E-02	7.080E-01	1.017E-11	2.879E-11
3.500E+03	6.363E-11	7.632E-05	3.189E-05	5.648E-05	7.356E-09	5.886E-02	6.984E-01	2.198E-11	6.448E-11
3.600E+03	1.790E-10	7.078E-05	3.642E-05	7.429E-05	8.863E-09	7.271E-02	6.863E-01	4.545E-11	1.399E-10
3.700E+03	3.671E-10	6.549E-05	4.112E-05	8.879E-05	1.052E-08	8.867E-02	6.723E-01	0.922E-11	2.913E-10
3.800E+03	7.244E-10	6.042E-05	4.588E-05	1.290E-04	1.230E-08	1.068E-01	6.564E-01	1.724E-10	5.852E-10
3.900E+03	1.340E-09	5.554E-05	6.061E-05	1.658E-04	1.191E-09	1.271E-01	6.386E-01	1.578E-10	1.127E-09
4.000E+03	2.546E-09	5.063E-05	5.521E-05	2.095E-04	1.614E-08	1.496E-01	6.189E-01	5.667E-10	2.105E-09
4.100E+03	6.555E-09	4.630E-05	5.957E-05	2.609E-04	1.811E-08	1.742E-01	5.974E-01	0.792E-10	3.813E-09
4.200E+03	7.920E-09	4.196E-05	3.639E-05	3.203E-04	2.006E-08	2.007E-01	5.740E-01	1.663E-09	6.707E-09
4.300E+03	1.341E-08	3.740E-05	6.717E-05	3.879E-04	2.193E-08	2.291E-01	5.491E-01	2.680E-09	1.148E-08
4.400E+03	2.215E-08	3.384E-05	7.023E-05	6.638E-04	2.368E-08	2.591E-01	5.228E-01	4.258E-09	1.917E-08
4.500E+03	3.574E-08	3.010E-05	7.269E-05	5.477E-04	2.527E-08	2.905E-01	4.953E-01	6.497E-09	3.124E-08
4.600E+03	5.662E-08	2.660E-05	7.450E-05	6.393E-04	2.664E-08	3.228E-01	4.664E-01	9.980E-09	4.977E-08
4.700E+03	6.725E-08	2.335E-05	7.563E-05	7.381E-04	2.777E-08	3.558E-01	4.379E-01	1.476E-08	7.764E-08
4.800E+03	1.323E-07	2.355E-05	7.636E-05	8.431E-04	2.864E-08	3.891E-01	4.086E-01	2.137E-08	1.187E-07
4.900E+03	1.971E-07	1.762E-05	7.582E-05	9.537E-04	2.923E-08	4.223E-01	3.794E-01	3.031E-08	1.781E-07
5.000E+03	2.485E-07	1.516E-05	7.495E-05	1.046E-03	2.954E-08	4.551E-01	3.535E-01	4.217E-08	2.625E-07
5.200E+03	5.649E-07	1.101E-05	7.152E-05	1.308E-03	2.937E-08	5.181E-01	2.950E-01	7.731E-08	5.428E-07
5.400E+03	1.137E-06	7.028E-06	6.637E-05	1.553E-03	2.830E-08	5.756E-01	2.441E-01	1.328E-07	1.057E-06
5.600E+03	2.083E-06	5.666E-06	6.016E-05	1.795E-03	2.657E-08	6.261E-01	1.991E-01	2.151E-07	1.949E-06
5.800E+03	3.647E-06	3.772E-06	5.352E-05	2.031E-03	2.442E-08	6.659E-01	1.607E-01	3.312E-07	3.424E-06
6.000E+03	6.135E-06	2.583E-06	4.693E-05	2.256E-03	2.208E-08	7.039E-01	1.208E-01	4.881E-07	5.780E-06
6.200E+03	9.495E-06	1.763E-06	4.072E-05	2.464E-03	2.1972E-08	7.318E-01	1.028E-01	6.925E-07	9.380E-06
6.400E+03	1.567E-05	1.204E-06	3.506E-05	2.655E-03	1.743E-08	7.534E-01	8.198E-02	9.508E-07	1.472E-05
6.600E+03	2.396E-05	9.246E-05	3.002E-05	2.828E-03	1.527E-08	7.696E-01	6.346E-02	1.269E-05	2.240E-05
6.800E+03	3.575E-05	6.675E-07	2.561E-05	2.979E-03	1.328E-08	7.813E-01	5.244E-02	1.653E-05	3.317E-05
7.000E+03	5.214E-05	3.927E-07	2.176E-05	3.108E-03	1.147E-08	7.893E-01	4.211E-02	2.108E-06	4.791E-05
7.200E+03	7.452E-05	2.733E-07	1.847E-05	3.211E-03	9.831E-09	7.943E-01	3.411E-0		

TABLE II.- Continued

H+	N	N2	N2+	N+	N-	N++	N+++	N+++	T
2.009E-06	3.948E-03	1.396E-10	1.022E-08	1.067E-01	6.431E-07	1.642E-02	2.683E-06	1.357E-13	.500E+04
1.643E-06	3.265E-03	7.733E-11	6.781E-09	1.010E-01	4.053E-07	2.167E-02	5.924E-06	6.364E-13	3.600E+04
1.364E-06	2.652E-03	4.260E-11	4.435E-09	9.432E-02	3.653E-07	2.774E-02	1.234E-05	2.710E-12	3.700E+04
1.149E-06	2.152E-03	2.326E-11	2.854E-09	8.688E-02	2.740E-07	3.447E-02	2.445E-05	1.054E-11	3.800E+04
9.807E-07	1.733E-03	1.251E-11	1.806E-09	7.893E-02	2.044E-07	4.162E-02	4.598E-05	3.764E-11	3.900E+04
8.475E-07	1.384E-03	6.716E-12	1.123E-09	7.075E-02	1.516E-07	4.893E-02	6.261E-05	1.243E-10	4.000E+04
7.403E-07	1.096E-03	3.551E-12	6.872E-10	6.266E-02	1.119E-07	5.612E-02	1.415E-06	3.821E-10	4.100E+04
6.530E-07	8.623E-06	1.616E-12	4.146E-10	5.490E-02	8.209E-08	6.295E-02	2.336E-04	1.099E-09	4.200E+04
5.810E-07	6.743E-06	9.684E-13	2.476E-10	4.767E-02	6.000E-08	6.924E-02	3.720E-04	2.977E-09	4.300E+04
5.230E-07	5.249E-06	5.018E-13	1.466E-10	4.109E-02	4.312E-08	7.648E-02	5.738E-04	7.632E-09	4.400E+04
4.700E-07	4.072E-06	2.596E-13	8.632E-11	3.523E-02	3.180E-08	7.975E-02	8.60CE-04	1.861E-08	4.500E+04
4.266E-07	3.153E-06	1.343E-13	9.068E-11	3.058E-02	2.312E-08	8.387E-02	1.256E-03	4.335E-08	4.600E+04
3.893E-07	2.440E-06	6.971E-14	2.973E-11	2.562E-02	1.682E-08	8.722E-02	1.791E-03	9.682F-08	4.700E+04
3.568E-07	1.887E-06	3.631E-14	1.746E-11	2.177E-02	1.225E-08	8.982E-02	2.501E-03	2.079E-07	4.800E+04
3.2d5E-07	1.460E-06	1.901E-14	1.027E-11	1.848E-02	8.936E-09	9.169E-02	3.422E-03	4.306E-07	4.900E+04
3.034E-07	1.131E-06	1.001E-14	8.059E-12	1.568E-02	6.534E-09	9.285E-02	4.597E-03	8.616E-07	5.000E+04

P/PQ = 7.00E+01

H+	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	7.787E-02	6.833E-21	0.	0.	0.	0.	0.	5.000E+02
0.	3.	1.595E-01	9.868E-21	3.	0.	0.	0.	0.	6.000E+02
0.	0.	2.151E-01	1.243E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.055E-29	2.371E-01	1.540E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.030E-26	2.466E-01	1.853E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.769E-23	2.474E-01	2.139E-20	0.	0.	0.	0.	0.	1.000E+02
0.	9.251L-21	2.488E-01	2.372E-20	0.	0.	0.	0.	0.	1.100E+02
0.	2.514E-19	2.492E-01	2.544E-20	0.	0.	0.	0.	0.	1.200E+02
0.	9.982E-18	2.495E-01	2.655E-20	0.	0.	0.	0.	0.	1.300E+02
0.	3.632E-15	2.497E-01	2.726E-20	1.439E-30	0.	0.	0.	0.	1.437E+02
1.038E-33	3.997E-14	2.498E-01	2.705E-20	9.429E-30	0.	0.	0.	0.	1.600E+02
1.607E-30	3.321E-13	2.498E-01	2.655E-20	4.904E-29	0.	0.	0.	0.	1.700E+02
1.107E-27	2.184E-12	2.499E-01	2.597E-20	2.110E-28	0.	0.	0.	0.	1.800E+02
3.697E-25	1.179E-11	2.499E-01	2.526E-20	7.732E-28	0.	0.	0.	0.	1.900E+02
7.489E-23	5.382E-11	2.495E-01	2.505E-20	2.532E-27	0.	0.	0.	0.	2.000E+02
4.537E-21	2.120E-10	2.499E-01	4.788E-20	1.426E-31	0.	0.	0.	0.	2.100E+02
6.208E-20	7.429E-10	2.499E-01	2.632E-19	2.057E-25	2.479E-27	0.	0.	0.	2.200E+02
5.366E-19	2.328E-10	2.498E-01	1.575E-18	3.048E-24	5.782E-26	0.	0.	0.	2.300E+02
3.760E-18	6.633E-09	2.497E-01	8.378E-18	3.731E-23	6.507E-25	0.	0.	0.	2.400E+02
2.244E-17	1.740E-08	2.496E-01	3.921E-17	3.724E-22	1.204E-23	0.	0.	0.	2.500E+02
1.165E-16	2.339E-08	2.495E-01	1.634E-16	3.121E-21	9.790E-25	0.	0.	0.	2.600E+02
5.346E-16	9.669E-08	2.492E-01	6.134E-16	2.239E-20	8.053E-22	0.	0.	0.	2.700E+02
2.197E-15	2.098E-07	2.489E-01	1.397E-15	1.397E-19	5.691E-21	0.	0.	0.	2.800E+02
8.179E-15	4.246E-07	2.485E-01	6.630E-15	7.697E-19	3.510E-20	0.	0.	0.	2.900E+02
2.784E-14	8.257E-07	2.479E-01	1.930E-14	3.790E-18	1.914E-19	0.	0.	0.	3.000E+02
8.738E-14	1.539E-06	2.473E-01	5.269E-14	1.668E-17	9.345E-19	0.	0.	0.	3.100E+02
2.547E-13	2.759E-06	2.464E-01	1.353E-13	6.862E-17	4.127E-18	0.	0.	0.	3.200E+02
6.9+2E-13	4.773E-06	2.453E-01	3.284E-13	2.555E-16	1.662E-17	0.	0.	0.	3.300E+02
1.778E-12	7.991E-06	2.441E-01	7.576E-13	8.839E-16	6.153E-17	0.	0.	0.	3.400E+02
4.304E-12	1.299E-06	2.426E-01	1.668E-12	2.833E-12	2.109E-16	0.	0.	0.	3.500E+02
9.882E-12	2.354E-05	2.408E-01	3.519E-12	8.638E-15	6.738E-16	0.	0.	0.	3.600E+02
2.162E-11	3.166E-05	2.388E-01	7.137E-12	2.467E-14	2.016E-15	0.	0.	0.	3.700E+02
4.519E-11	4.769E-05	2.365E-01	1.396E-11	6.674E-14	5.681E-15	0.	0.	0.	3.800E+02
9.059E-11	7.029E-05	2.340E-01	2.639E-11	1.718E-13	1.514E-14	0.	0.	0.	3.900E+02
1.746E-10	1.015E-04	2.311E-01	4.837E-11	4.224E-13	3.831E-14	0.	0.	0.	4.000E+02
3.243E-10	1.439E-04	2.280E-01	8.615E-11	9.456E-13	9.237E-14	0.	0.	0.	4.100E+02
5.820E-10	2.309E-04	2.246E-01	1.449E-10	2.255E-12	2.129E-13	0.	0.	0.	4.200E+02
1.011E-09	2.749E-04	2.210E-01	4.526E-10	4.923E-12	4.703E-13	0.	0.	0.	4.300E+02
1.703E-09	3.712E-04	2.171E-01	4.175E-10	1.039E-11	9.995E-13	0.	0.	0.	4.400E+02
2.788E-05	4.942E-04	2.131E-01	6.752E-10	2.124E-11	2.048E-12	0.	0.	0.	4.500E+02
4.439E-09	6.494E-04	2.089E-01	1.070E-09	4.216E-11	4.052E-12	0.	0.	0.	4.600E+02
6.889E-09	6.424E-04	2.046E-01	1.646E-09	6.142E-11	7.765E-12	0.	0.	0.	4.700E+02
1.043E-08	1.381E-03	2.002E-01	2.546E-09	1.532E-10	1.443E-11	0.	0.	0.	4.830E+02
1.544E-08	1.373E-03	1.959E-03	3.835E-09	2.815E-10	2.621E-11	0.	0.	0.	4.900E+02
2.235E-08	1.725E-03	1.915E-03	5.646E-09	9.056E-10	9.617E-11	0.	0.	0.	5.000E+02
4.430E-08	2.652E-03	1.629E-03	1.200E-08	1.533E-09	1.332E-10	0.	0.	0.	5.200E+02
6.079E-08	3.945E-03	1.746E-03	2.412E-08	4.312E-09	3.517E-10	0.	0.	0.	5.400E+02
1.3d5E-07	5.705E-03	1.673E-03	4.646E-08	1.135E-08	8.599E-10	0.	0.	0.	5.600E+02
2.255E-07	8.043E-03	1.603E-03	8.609E-08	2.812E-08	1.963E-09	0.	0.	0.	5.800E+02
3.490E-07	1.139E-02	1.533E-03	1.533E-07	6.593E-08	4.217E-09	0.	0.	0.	6.000E+02
5.180E-07	1.497E-02	1.477E-03	2.662E-07	1.470E-07	8.578E-09	2.389E-25	0.	0.	6.200E+02
7.417E-07	1.982E-02	1.421E-03	4.456E-07	3.124E-07	1.661E-08	1.971E-24	0.	0.	6.400E+02
1.030E-06	2.577E-02	1.363E-03	7.228E-07	3.033E-07	3.076E-08	1.436E-23	0.	0.	6.600E+02
1.353E-06	3.292E-02	1.302E-03	1.137E-06	1.239E-06	5.468E-08	9.330E-23	0.	0.	6.800E+02
1.841E-06	4.135E-02	1.239E-03	1.733E-06	2.321E-06	9.357E-08	5.466E-22	0.	0.	7.000E+02
2.384E-06	5.116E-02	1.171E-03	4.963E-06	4.188E-06	1.546E-07	2.877E-21	0.	0.	7.200E+02
3.033E-06	6.214E-02	1.099E-03	3.677E-06	7.289E-06	2.470E-07	1.384E-20	0.	0.	7.400E+02
3.779E-06	7.433E-02	1.021E-03	5.116E-06	1.226E-05	3.824E-07	6.104E-20	0.	0.	7.600E+02
4.691E-06	8.766E-02	9.395E-02	6.914E-06	1.995E-05	5.768E-07	2.480E-19	0.	0.	7.800E+02
5.719E-06	1.017E-01	8.543E-02	9.067E-06	3.145E-05	8.398E-07	9.331E-19	0.	0.	8.000E+02
6.893E-06	1.163E-01	7.674E-02	1.155E-05	4.813E-05	1.194E-06	3.266E-18	0.	0.	8.200E+02
8.221E-06	1.310E-01	6.804E-02	1.429E-05	7.159E-05	1.653E-06	1.069E-17	0.	0.	8.400E+02
9.712E-06	1.455E-01	5.953E-02	1.719E-05	1.030E-04	2.234E-06	3.282E-17	0.	0.	8.600E+02
1.137E-05	1.593E-01	5.142E-02	2.015E-05	1.462E-04	2.947E-06	9.00E-17	0.	0.	8.800E+02

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.00E+03	9.440E-04	1.302E-08	3.725E-06	2.871E-03	1.616E-09	7.725E-01	6.613E-03	1.126E-05	7.252E-04
9.20E+03	1.181E-03	9.489E-09	3.083E-06	2.723E-03	1.261E-09	7.682E-01	5.691E-03	1.273E-05	8.913E-04
9.40E+03	1.464E-03	6.950E-09	2.550E-06	2.568E-03	9.780E-10	7.662E-01	4.930E-03	1.433E-05	1.087E-03
9.60E+03	1.800E-03	5.120E-09	2.110E-06	2.411E-03	7.547E-10	7.605E-01	4.297E-03	1.607E-05	1.316E-03
9.80E+03	2.194E-03	3.795E-09	1.747E-06	2.254E-03	5.807E-10	7.573E-01	3.767E-03	1.797E-05	1.582E-03
1.000E+04	2.653E-03	2.831E-09	1.449E-06	2.102E-03	4.461E-10	7.543E-01	3.322E-03	2.002E-05	1.891E-03
1.100E+04	2.653E-03	2.831E-09	1.449E-06	2.102E-03	4.461E-10	7.543E-01	3.322E-03	2.002E-05	1.891E-03
1.200E+04	1.261E-02	2.175E-10	2.626E-07	1.015E-03	3.658E-11	7.321E-01	1.180E-03	5.028E-05	8.432E-03
1.300E+04	2.302E-02	7.251E-10	5.926E-07	1.456E-03	1.220E-07	7.430E-01	1.698E-03	3.291E-05	4.241E-03
1.400E+04	3.847E-02	7.641E-11	1.248E-07	7.217E-04	1.210E-07	7.170E-01	7.727E-04	7.166E-05	1.518E-02
1.500E+04	5.974E-02	1.061E-11	3.164E-08	3.724E-04	1.591E-12	6.656E-01	3.559E-04	1.205E-04	3.898E-02
1.600E+04	8.710E-02	4.168E-12	1.613E-08	2.639E-04	5.928E-13	6.272E-01	2.427E-04	1.430E-04	5.687E-02
1.700E+04	1.201E-01	1.616E-12	8.082E-09	1.827E-04	2.170E-13	5.806E-01	1.634E-04	1.604E-04	7.879E-02
1.800E+04	1.577E-01	6.063E-13	3.923E-09	1.225E-04	7.661E-14	5.270E-01	1.076E-04	1.701E-04	1.042E-01
1.900E+04	1.982E-01	2.167E-13	1.826E-09	7.911E-05	2.553E-14	4.687E-01	6.889E-05	1.707E-04	1.322E-01
2.000E+04	2.393E-01	7.322E-14	1.114E-10	9.141E-05	8.043E-15	4.087E-01	4.272E-05	1.624E-04	1.614E-01
2.100E+04	2.791E-01	2.338E-14	3.464E-10	2.940E-05	2.391E-15	3.498E-01	2.565E-05	1.471E-04	1.906E-01
2.200E+04	3.157E-01	7.098E-15	1.604E-10	1.703E-05	6.764E-16	2.947E-01	1.495E-05	1.275E-04	2.183E-01
2.300E+04	3.480E-01	2.074E-15	5.553E-11	6.626E-06	1.846E-16	2.654E-01	8.513E-06	1.064E-04	2.434E-01
2.400E+04	3.756E-01	5.918E-16	2.156E-11	5.356E-07	4.942E-17	2.027E-01	4.767E-06	8.610E-05	2.655E-01
2.500E+04	3.984E-01	1.676E-16	6.319E-12	2.960E-06	1.320E-17	1.669E-01	2.046E-06	6.814E-05	2.842E-01
2.600E+04	4.170E-01	4.783E-17	3.227E-12	1.638E-06	3.567E-18	1.375E-01	1.468E-06	5.312E-05	2.996E-01
2.700E+04	4.319E-01	1.391E-17	1.391E-12	1.270E-07	9.875E-19	1.387E-01	8.184E-07	4.105E-05	3.122E-01
2.800E+04	4.439E-01	4.163E-18	1.104E-13	5.152E-07	2.822E-19	9.471E-02	4.614E-07	3.160E-05	3.223E-01
2.900E+04	4.535E-01	1.289E-18	2.104E-13	2.950E-07	8.364E-20	7.946E-02	2.633E-07	2.434E-05	3.103E-01
3.000E+04	4.615E-01	4.143E-19	8.915E-14	1.716E-07	2.579E-20	6.725E-02	1.535E-07	1.880E-05	3.366E-01
3.100E+04	4.681E-01	1.344E-19	3.805E-14	1.014E-07	8.254E-21	5.743E-02	9.094E-08	1.460E-04	3.415E-01
3.200E+04	4.738E-01	4.800E-21	1.735E-14	6.087E-08	2.738E-21	4.948E-02	5.649E-08	1.140E-04	3.452E-01
3.300E+04	4.784E-01	1.726E-20	7.994E-15	3.703E-08	9.382E-22	4.303E-02	3.379E-08	8.967E-06	3.478E-01
3.400E+04	4.830E-01	6.438E-21	3.755E-15	2.278E-08	3.305E-22	3.768E-02	2.119E-08	7.095E-06	3.496E-01
3.500E+04	4.883E-01	2.459E-21	1.801E-15	1.415E-08	1.911E-22	3.326E-02	1.353E-08	5.656E-06	3.505E-01
3.600E+04	4.929E-01	9.661E-22	6.797E-16	8.846E-09	4.368E-23	2.957E-02	8.794E-09	4.546E-06	3.508E-01
3.700E+04	4.976E-01	3.902E-22	4.355E-16	5.557E-09	1.623E-23	2.645E-02	5.810E-09	3.668E-06	3.504E-01
3.800E+04	5.024E-01	1.605E-22	2.184E-16	3.505E-09	6.085E-24	2.380E-02	3.900E-09	2.983E-06	3.494E-01
3.900E+04	5.071L-01	6.727L-23	1.107E-16	2.207E-09	2.295E-24	2.152E-02	2.667E-09	2.442E-06	3.481F-01
4.000E+04	5.119E-01	2.866E-23	5.657E-17	1.393E-09	8.686E-25	1.956E-02	1.836E-09	2.011E-06	3.465E-01
4.100E+04	5.165E-01	1.249E-23	2.912E-17	8.751E-10	3.301F-25	1.785E-02	1.286E-09	1.668E-06	3.448E-01
4.200E+04	5.209E-01	5.643E-24	1.511E-17	5.551E-10	1.258E-25	1.636E-02	9.120E-10	1.391E-06	3.429E-01
4.300E+04	5.250E-01	2.425E-24	7.934E-18	3.515E-10	4.820E-26	1.504E-02	6.547E-10	1.168E-06	3.412E-01
4.400E+04	5.288E-01	1.096E-24	4.195E-18	2.223E-10	1.857E-26	1.388E-02	4.754E-10	9.867E-07	3.395E-01
4.500E+04	5.323E-01	5.033E-25	2.239E-18	1.412E-10	7.216E-27	1.245E-02	3.699E-10	8.378E-07	3.379E-01
4.600E+04	5.354E-01	2.346E-25	1.207E-18	9.008E-11	2.831E-27	1.192E-02	2.588E-10	7.157E-07	3.365E-01
4.700E+04	5.382E-01	1.111E-25	6.573E-19	5.772E-11	1.123E-27	1.111E-02	1.939E-10	6.148E-07	3.353E-01
4.800E+04	5.407E-01	5.342E-26	3.619E-19	3.718E-11	4.512E-28	1.037E-02	1.465E-10	5.307E-07	3.341E-01
4.900E+04	5.430E-01	2.099E-26	2.014E-19	2.409E-11	1.836E-28	9.696E-03	1.118E-10	4.603E-07	3.311E-01
5.000E+04	5.451E-01	1.294E-26	1.133E-19	1.570E-11	7.573E-29	9.089E-03	8.594E-11	4.010E-07	3.321E-01

P/P0 = 8.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.051E-01	1.450E-20	4.765E-35	1.933E-24	3.687E-22	2.212E-01	1.444E-18	9.561E-22
5.100E+02	0.	3.813E-01	3.327E-17	5.555E-29	3.546E-24	3.533E-18	4.625E-01	1.165E-18	2.886E-21
5.200E+02	0.	1.543E-01	5.941E-15	4.680E-25	2.491E-21	2.204E-15	6.343E-01	9.633E-19	6.904E-21
5.300E+02	0.	5.834E-02	2.351E-13	1.289E-21	2.581E-19	2.720E-13	7.062E-01	8.705E-19	1.489E-20
5.400E+02	0.	2.442E-02	7.783E-12	3.306E-19	8.595E-18	1.120E-11	7.317E-01	8.252E-19	2.859E-20
5.500E+02	0.	1.169E-02	3.390E-11	2.752E-17	1.376E-16	2.187E-10	7.612E-01	7.913E-19	4.876E-20
5.600E+02	0.	6.294E-03	2.014E-10	1.020E-15	3.317E-15	2.497E-09	7.453E-01	7.575E-19	7.517E-20
5.700E+02	0.	3.735E-03	8.845E-10	2.065E-14	8.604E-15	1.907E-08	7.472E-01	7.223E-19	1.068E-19
5.800E+02	0.	2.397E-03	1.084E-09	7.613E-13	4.750E-14	1.370E-07	7.482E-01	6.847E-19	1.421E-19
5.900E+02	0.	1.638E-03	8.693E-09	2.330E-12	1.669E-13	4.703E-07	7.488E-01	6.461E-19	1.794E-19
6.000E+02	0.	1.179E-03	2.267E-09	1.542E-11	5.477E-13	1.702E-06	7.491E-01	6.076E-19	2.172E-19
6.100E+02	0.	8.846E-04	5.093E-08	8.058E-11	1.554E-12	5.257E-06	7.493E-01	5.703E-19	2.544E-19
6.200E+02	0.	1.235E-02	6.878E-04	1.040E-07	3.647E-10	3.933E-12	1.421E-05	7.495E-01	5.349E-19
6.300E+02	0.	5.372E-25	5.507E-04	1.907E-06	3.147E-07	3.040E-10	1.536E-03	7.485E-01	2.901E-19
6.400E+02	0.	1.250E-22	4.521E-04	3.466E-07	4.049E-09	1.855E-11	7.671E-05	7.496E-01	3.237E-17
6.500E+02	0.	1.678E-20	3.730E-04	5.770E-07	1.151E-08	3.627E-09	1.372E-04	7.496E-01	4.710E-19
6.600E+02	0.	7.713E-19	3.235E-04	9.160E-07	2.962E-08	6.643E-17	3.011E-04	7.495E-01	4.515E-19
6.700E+02	0.	8.122E-18	2.805E-04	1.394E-06	6.996E-08	1.153E-11	5.442E-04	7.493E-01	4.176E-18
6.800E+02	0.	5.643E-17	2.464E-04	2.046E-06	1.533E-07	1.911E-11	9.348E-04	7.490E-01	2.984E-17
6.900E+02	0.	3.315E-16	2.190E-04	2.907E-06	3.147E-07	3.040E-10	1.536E-03	7.485E-01	1.269E-16
7.000E+02	0.	1.656E-15	1.965E-04	4.014E-06	6.298E-07	4.664E-10	2.426E-03	7.477E-01	1.711E-16
7.100E+02	0.	6.243E-15	1.776E-04	5.603E-06	1.123E-06	6.425E-10	3.701E-03	7.466E-01	2.388E-15
7.200E+02	0.	2.408E-14	1.621E-04	7.110E-06	1.675E-06	9.985E-10	5.472E-03	7.451E-01	1.914E-16
7.300E+02	0.	6.449E-14	1.486E-04	9.164E-06	3.335E-06	1.403E-09	7.886E-03	7.430E-01	2.972E-14
7.400E+02	0.	2.723E-13	1.309E-04	1.159E-05	5.428E-06	1.925E-09	1.103E-02	7.402E-01	9.210E-14
7.500E+02	0.	8.131E-13	1.206E-04	1.441E-05	8.565E-06	2.582E-09	1.512E-02	7.367E-01	2.653E-13
7.600E+02	0.	2.265E-12	1.174E-04	1.763E-05	1.305E-05	3.394E-09	2.229E-02	7.321E-01	7.134E-13
7.700E+02	0.	5.924E-12	1.091E-04	2.125E-05	1.939E-05	4.176E-09	2.671E-02	7.265E-01	1.804E-12
7.800E+02									

TABLE II.- Continued

H-	N	N2	N2*	N*	N-	N#	N#*	N#**	T
1.324E-05	1.723E-01	4.386E-02	2.303E-05	2.014E-04	3.801E-06	2.602E-16	0.	0.	9.000E+03
1.524E-05	1.846E-01	3.694E-02	2.572E-05	2.715E-04	4.803E-06	6.771E-16	0.	0.	9.200E+03
1.746E-05	1.445E-01	3.388E-02	2.813E-05	3.585E-04	5.952E-06	1.680E-15	0.	0.	9.400E+03
1.908E-05	2.035E-01	2.557E-02	3.021E-05	4.664E-04	7.248E-06	3.989E-15	0.	0.	9.600E+03
2.249E-05	2.112E-01	2.104E-02	3.192E-05	5.925E-04	8.687E-06	9.095E-15	0.	0.	9.800E+03
2.531E-05	2.176E-01	1.723E-02	3.327E-05	7.442E-04	1.027E-05	1.997E-14	0.	0.	1.000E+04
4.244E-05	2.349E-01	6.251E-03	3.575E-05	1.954E-03	2.007E-05	6.383E-13	0.	0.	1.100E+04
6.666E-05	2.374E-01	2.392E-03	3.432E-05	4.195E-03	3.260E-05	1.116E-11	0.	0.	1.200E+04
8.859E-05	2.442E-01	4.957E-04	3.147E-05	7.873E-03	4.684E-05	1.252E-12	0.	0.	1.300E+04
1.136E-04	2.259E-01	4.463E-04	2.801E-05	1.335E-02	6.122E-05	9.970E-10	7.905E-24	0.	1.400E+04
1.360E-04	2.136E-01	2.105E-04	2.422E-05	2.083E-02	7.373E-05	6.045E-09	5.059E-22	0.	1.500E+04
1.527E-04	1.975E-01	1.030E-04	2.026E-05	3.029E-02	8.241E-05	2.935E-08	1.970E-20	0.	1.600E+04
1.612E-04	1.783E-01	5.104E-05	1.632E-05	4.142E-02	8.584E-05	1.186E-07	5.106E-19	0.	1.700E+04
1.634E-04	1.564E-01	2.529E-05	1.262E-05	5.360E-02	8.361E-05	4.110E-07	9.452E-18	0.	1.800E+04
1.507E-04	1.343E-01	1.241E-05	9.356E-06	6.603E-02	7.645E-05	1.251E-06	1.320E-16	0.	1.900E+04
1.341E-04	1.122E-01	5.996E-06	6.659E-06	7.787E-02	6.594E-05	3.404E-06	1.454E-15	0.	2.000E+04
1.136E-04	9.170E-01	2.852E-06	4.565E-06	8.848E-02	5.402E-05	8.453E-06	1.309E-14	0.	2.100E+04
9.211E-05	7.366E-02	1.343E-06	3.041E-06	9.739E-02	4.239E-05	1.934E-03	9.905E-14	0.	2.200E+04
7.209E-05	5.844E-02	6.258E-07	1.983E-06	1.046E-01	3.218E-05	4.133E-05	6.447E-13	0.	2.300E+04
5.644E-05	4.039E-02	2.931E-07	1.270E-06	1.099E-01	2.384E-05	8.323E-05	3.676E-12	0.	2.400E+04
4.105E-05	3.631E-02	1.386E-07	8.232E-07	1.139E-01	1.764E-05	1.592E-04	1.864E-11	0.	2.500E+04
3.036E-05	2.870E-02	6.667E-08	5.280E-07	1.160E-01	1.268E-05	2.912E-04	8.508E-11	0.	2.600E+04
2.237E-05	2.283E-02	3.273E-08	3.424E-07	1.187E-01	9.202E-06	5.115E-04	3.528E-10	0.	2.700E+04
1.655E-05	1.530E-02	1.645E-08	2.243E-07	1.199E-01	6.705E-06	8.662E-04	1.340E-09	0.	2.800E+04
1.226E-05	1.479E-02	8.461E-09	1.488E-07	1.204E-01	4.416E-06	1.414E-03	4.695E-09	0.	2.900E+04
9.193E-06	1.235E-02	4.453E-09	9.946E-08	1.203E-01	3.631E-06	2.249E-03	1.525E-08	0.	3.000E+04
6.491E-06	9.894E-03	2.392E-09	6.711E-08	1.196E-01	2.703E-06	3.460E-03	6.161E-08	0.	3.100E+04
5.368E-06	8.166E-03	1.307E-09	4.565E-08	1.182E-01	2.027E-06	5.168E-07	1.307E-07	0.	3.200E+04
4.153E-06	6.770E-03	7.239E-10	3.112E-08	1.160E-01	1.529E-06	7.497E-03	3.477E-07	0.	3.300E+04
3.327E-06	5.621E-03	4.047E-08	2.120E-08	1.124E-01	1.156E-06	1.056E-02	8.666E-07	0.	3.400E+04
2.688E-06	4.686E-03	2.273E-10	1.437E-08	1.088E-01	8.795E-07	1.444E-02	2.040E-06	8.906E-14	3.500E+04
2.149E-06	3.661E-03	1.277E-10	9.665E-09	1.037E-01	6.687E-07	1.921E-02	4.533E-06	4.204E-12	3.600E+04
1.825E-06	3.180E-03	7.145E-11	6.422E-09	9.763E-02	5.075E-07	2.478E-02	9.534E-06	1.604E-12	3.700E+04
1.539E-06	2.664E-03	3.971E-11	4.207E-09	9.072E-02	3.839E-07	3.107E-02	1.902E-05	7.076E-12	3.800E+04
1.315E-06	2.116E-03	2.187E-11	2.712E-09	8.319E-02	2.892E-07	3.787E-02	3.609E-05	2.551E-11	3.900E+04
1.136E-06	1.707E-03	1.192E-11	1.720E-09	7.531E-02	2.167E-07	4.495E-02	6.533E-05	6.506E-11	4.000E+04
9.948E-07	1.365E-03	6.429E-12	1.073E-09	6.724E-02	1.615E-07	5.205E-02	1.132E-04	2.638E-10	4.100E+04
8.783E-07	1.045E-03	3.436E-12	6.607E-10	5.957E-02	1.147E-07	5.892E-02	1.886E-04	7.656E-10	4.200E+04
7.821E-07	8.563E-04	1.822E-12	4.018E-12	5.223E-02	8.837E-08	6.538E-02	3.029E-04	2.090E-09	4.300E+04
7.016E-07	6.725E-04	9.612E-13	2.420E-10	4.538E-02	6.500E-08	7.121E-02	7.708E-04	4.797E-09	4.400E+04
6.337E-07	5.261E-04	5.056E-13	1.446E-10	3.922E-02	4.769E-08	7.668E-02	7.105E-04	1.375E-08	4.500E+04
5.726E-07	4.195E-04	2.656E-13	8.629E-11	3.373E-02	4.098E-08	6.098E-02	1.944E-03	3.104E-08	4.600E+04
5.256E-07	3.198E-04	1.597E-13	5.131E-11	2.894E-02	2.561E-08	8.474E-02	1.498E-03	6.971E-08	4.700E+04
4.421E-07	2.489E-04	7.373E-14	3.051E-11	2.472E-02	1.877E-08	8.776E-02	2.103E-03	1.505E-07	4.800E+04
4.439E-07	1.938E-04	3.906E-14	1.818E-11	2.111E-02	1.378E-08	9.307E-02	2.892E-03	3.131E-07	4.900E+04
4.103E-07	1.509E-04	2.080E-14	1.083E-11	1.799E-02	1.014E-08	9.167E-02	3.904E-03	6.294E-07	5.000E+04

P/MU = 8.00E+01

H-	N	N2	N2*	N*	N-	N#	N#*	N#**	T
0.	0.	7.372E-02	6.901E-21	0.	0.	0.	0.	0.	5.300E+02
0.	0.	1.542E-01	1.033E-10	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.114E-01	1.260E-24	0.	0.	0.	0.	0.	7.000E+02
0.	4.436E-30	2.354E-01	1.549E-10	0.	0.	0.	0.	0.	8.000E+02
0.	2.430E-26	2.436E-01	1.863E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.653E-23	2.971E-01	2.150E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.393E-21	2.884E-01	2.188E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.591E-19	2.491E-01	7.567E-20	0.	0.	0.	0.	0.	1.200E+03
0.	9.333E-15	2.694E-01	2.678E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.196E-16	2.496E-01	2.752E-20	1.576E-11	0.	0.	0.	0.	1.400E+03
0.	4.508E-34	3.733E-16	2.448E-01	2.761E-20	9.030E-10	0.	0.	0.	1.500E+03
1.448E-32	3.137E-13	2.498E-11	2.722E-20	4.658E-19	0.	0.	0.	0.	1.600E+03
1.004E-27	2.043E-12	2.494E-01	2.666E-20	2.025E-20	0.	0.	0.	0.	1.700E+03
3.563E-25	1.103E-11	2.499E-01	2.594E-20	7.441E-20	0.	0.	0.	0.	1.800E+03
0.016E-23	5.034E-11	2.493E-01	2.574E-20	2.436E-20	0.	0.	0.	0.	1.900E+03
4.338E-21	1.449E-10	2.499E-01	4.682E-20	1.305E-20	8.578E-20	0.	0.	0.	2.000E+03
0.077E-20	6.499E-10	2.499E-01	2.515E-19	1.875E-20	2.915E-20	0.	0.	0.	2.200E+03
5.265E-19	2.178E-09	2.498E-01	1.501E-18	2.747E-20	5.673E-20	0.	0.	0.	2.300E+03
3.684E-18	6.337E-09	2.498E-01	7.991E-18	5.329E-21	6.343E-25	0.	0.	0.	2.400E+03
2.194E-17	1.028E-08	2.498E-01	3.747E-17	3.325E-22	9.843E-24	0.	0.	0.	2.500E+03
1.141E-16	3.465E-08	2.495E-01	1.560E-16	2.789E-21	9.588E-23	0.	0.	0.	2.600E+03
5.234E-16	9.056E-08	2.493E-01	5.863E-16	2.002E-20	7.882E-22	0.	0.	0.	2.700E+03
2.132E-15	1.946E-07	2.490E-01	2.003E-15	1.250E-19	5.568E-21	0.	0.	0.	2.800E+03
8.001E-15	3.970E-07	2.486E-01	6.325E-15	6.889E-19	3.433E-20	0.	0.	0.	2.900E+03
2.122E-14	7.726E-07	2.481E-01	1.849E-14	3.394E-18	1.871E-19	0.	0.	0.	3.000E+03
8.522E-14	1.666E-06	2.474E-01	5.049E-14	1.511E-17	9.131E-19	0.	0.	0.	3.100E+03
2.449E-13	2.582E-06	2.466E-01	1.249E-13	6.135E-17	6.032E-18	0.	0.	0.	3.200E+03
6.766E-13	4.466E-06	2.456E-01	3.150E-13	2.241E-16	1.644E-17	0.	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.600E+03	3.427E-11	9.450E-05	2.961E-05	3.972E-05	6.904E-09	6.400E-02	7.114E-01	9.782E-12	2.550E-91
3.550E+03	7.651E-11	6.791E-05	3.428E-05	5.499E-05	6.461E-09	5.517E-02	7.016E-01	2.117E-11	5.795E-11
3.600E+03	1.634E-10	8.168E-05	3.922E-05	7.459E-05	1.021E-08	6.821E-02	6.902E-01	4.382E-11	1.259E-10
3.700E+03	3.350E-10	7.515E-05	4.434E-05	9.928E-05	2.124E-08	8.323E-02	6.770E-01	8.711E-11	2.621E-10
3.800E+03	6.612E-10	7.006E-05	4.955E-05	1.298E-04	1.423E-08	1.003E-01	6.621E-01	1.667E-10	5.253E-10
3.900E+03	1.260E-09	6.459E-05	5.478E-05	1.673E-04	1.645E-08	1.195E-01	6.453E-01	3.078E-10	1.016E-09
4.000E+03	2.324E-09	5.932E-05	5.989E-05	2.113E-04	1.876E-08	1.408E-01	6.266E-01	5.499E-10	1.899E-09
4.100E+03	6.159E-09	5.424E-05	6.480E-05	2.636E-04	2.112E-08	1.641E-01	6.041E-01	9.521E-10	3.642E-09
4.200E+03	7.235E-09	6.935E-05	6.938E-05	3.241E-04	2.347E-08	1.894E-01	5.840E-01	1.601E-09	6.081E-09
4.300E+03	1.222E-08	4.467E-05	7.352E-05	3.932E-04	2.575E-08	2.165E-01	5.632E-01	2.618E-09	1.039E-08
4.400E+03	2.025E-08	4.020E-05	7.714E-05	4.711E-04	2.792E-08	2.452E-01	5.350E-01	4.169E-09	1.736E-08
4.500E+03	3.270E-08	3.595E-05	8.015E-05	5.575E-04	2.991E-08	2.793E-01	5.086E-01	6.478E-09	2.832E-08
4.600E+03	5.165E-08	3.196E-05	8.249E-05	6.522E-04	3.168E-08	3.065E-01	4.812E-01	9.829E-09	4.517E-08
4.700E+03	7.999E-08	2.823E-05	8.408E-05	7.547E-04	3.318E-08	3.785E-01	4.530E-01	1.458E-08	7.054E-08
4.800E+03	1.213E-07	2.477E-05	8.495E-05	8.662E-04	3.439E-08	3.710E-01	4.245E-01	2.118E-08	1.040E-07
4.900E+03	1.409E-07	2.160E-05	8.509E-05	9.807E-04	3.528E-08	3.736E-01	3.958E-01	3.015E-08	1.623E-07
5.000E+03	2.650E-07	1.871E-05	8.452E-05	1.171E-03	3.584E-08	4.353E-01	3.674E-01	4.210E-08	2.395E-07
5.200E+03	5.425E-07	1.379E-05	8.146E-05	5.355E-03	3.601E-08	4.985E-01	3.121E-01	7.777E-08	4.945E-07
5.400E+03	1.046E-06	9.951E-06	7.634E-06	1.616E-03	3.505E-08	5.565E-01	2.608E-01	1.346E-07	9.693E-07
5.600E+03	1.924E-06	7.051E-06	6.987E-05	4.876E-03	2.327E-08	6.082E-01	2.148E-01	2.197E-07	1.793E-06
5.800E+03	3.376E-06	4.930E-06	6.271E-05	2.133E-03	3.081E-08	6.527E-01	1.749E-01	3.408E-07	3.163E-06
6.000E+03	5.689E-06	3.417E-06	5.566E-05	2.378E-03	2.008E-08	6.897E-01	1.413E-01	5.054E-07	5.344E-06
6.200E+03	9.249E-06	2.357E-06	4.844E-05	2.807E-03	2.524E-08	7.197E-01	1.133E-01	7.212E-07	8.692E-06
6.400E+03	1.457E-05	1.625E-06	4.179E-05	2.818E-03	2.245E-08	7.433E-01	9.119E-02	9.954E-07	1.366E-05
6.600E+03	2.230E-05	1.122E-06	3.614E-05	3.011E-03	1.979E-08	7.613E-01	7.321E-02	1.335E-06	2.083E-05
6.800E+03	3.329E-05	7.778E-05	3.098E-05	3.181E-03	1.731E-08	7.746E-01	5.891E-02	1.745E-06	3.089E-05
7.000E+03	4.859E-05	5.418E-05	2.667E-05	2.327E-03	1.502E-08	7.841E-01	4.677E-02	2.732E-06	4.469E-05
7.200E+03	6.947E-05	3.794E-05	2.254E-05	3.446E-03	1.295E-08	7.903E-01	3.859E-02	2.800E-06	6.319E-05
7.400E+03	9.752E-05	2.671E-05	1.916E-05	3.539E-03	1.107E-08	7.928E-01	3.146E-02	3.454E-06	8.754E-05
7.600E+03	1.346E-04	8.907E-05	1.624E-05	3.603E-03	9.392E-09	7.952E-01	2.579E-02	4.196E-06	1.190E-04
7.800E+03	1.829E-04	1.344E-07	1.372E-05	3.630E-03	7.896E-09	7.948E-01	2.126E-02	5.928E-06	1.590E-04
8.000E+03	2.450E-04	9.599E-04	1.157E-05	3.628E-03	6.576E-09	7.930E-01	1.763E-02	5.953E-06	2.091E-04
8.200E+03	3.239E-04	6.883E-08	9.724E-06	3.593E-03	5.423E-09	7.901E-01	1.471E-02	6.973E-06	2.712E-04
8.400E+03	4.230E-04	4.454E-08	4.150E-06	3.529E-03	4.426E-09	7.846E-01	1.335E-02	8.091E-06	3.471E-04
8.600E+03	5.460E-04	3.580E-08	6.612E-06	3.436E-03	3.577E-09	7.824E-01	1.043E-02	9.313E-06	4.390E-04
8.800E+03	6.972E-04	2.597E-08	6.680E-06	3.319E-03	2.862E-09	7.780E-01	8.867E-03	1.045E-05	4.494E-04
9.100E+03	8.610E-04	4.891E-08	6.726E-06	3.182E-03	2.269E-09	7.736E-01	5.580E-03	1.210E-05	6.809E-04
9.200E+03	1.103E-03	3.838E-08	3.927E-06	3.030E-03	1.786E-09	7.694E-01	6.525E-03	1.368E-05	8.368E-04
9.400E+03	1.367E-03	1.317F-08	2.620E-06	2.868E-03	1.794E-09	7.654E-01	5.652E-03	1.539E-05	1.020E-03
9.600E+03	1.681E-03	7.516E-09	2.706E-06	2.701E-03	1.703E-09	7.617E-01	4.925E-03	1.725E-05	2.045E-03
9.800E+03	2.049E-03	5.587E-09	2.244E-06	2.534E-03	8.385E-10	7.583E-01	4.318E-03	1.929E-05	1.485E-03
1.000E+04	2.479E-03	4.179E-09	1.877E-06	2.369E-03	6.478E-10	7.553E-01	3.806E-02	2.149E-05	1.774E-03
1.200E+04	1.180E-02	3.265E-10	3.438E-07	1.141E-03	5.468E-11	7.332E-01	1.353E-03	5.390E-05	7.897E-03
1.400E+04	2.156E-02	1.111E-10	1.643E-07	8.291E-04	1.825E-11	7.190E-01	8.880E-04	7.694E-05	1.422E-02
1.600E+04	3.608E-02	4.172E-11	8.237E-08	5.989E-04	6.557E-12	6.986E-01	6.012F-04	1.031E-04	2.361E-02
1.800E+04	5.611E-02	1.636E-11	4.233E-08	4.333E-04	2.6457E-12	7.060E-01	4.129E-04	1.302E-04	3.659E-02
2.000E+04	8.198E-02	4.187E-12	6.532E-08	3.096E-04	9.322E-13	6.344E-01	2.937E-04	1.555E-04	5.348E-02
2.200E+04	1.134E-01	2.588E-12	1.114E-08	2.168E-04	3.492E-13	5.010E-01	1.929E-04	1.756E-04	7.624E-02
2.400E+04	1.494E-01	9.967E-13	1.518E-08	1.474E-04	1.245E-13	3.589E-01	1.280E-04	1.878E-04	9.846E-02
2.600E+04	1.684E-01	3.675E-13	2.631E-09	9.696E-05	4.396E-14	4.829E-01	8.354E-05	1.005F-04	1.253E-01
2.800E+04	2.185E-01	1.286E-13	1.231E-09	6.125E-05	1.428E-14	6.245E-01	5.257E-05	1.835F-04	1.536E-01
3.100E+04	2.678E-01	4.266E-14	5.246E-10	3.738F-05	4.417E-15	3.666E-01	2.229E-05	1.031E-04	1.421E-01
3.200E+04	3.372E-01	1.347E-14	2.203E-11	2.210E-05	3.301E-15	3.1118E-01	1.913E-05	1.400F-04	2.095E-01
3.400E+04	4.089E-01	4.896E-15	1.661E-11	1.274E-05	6.695E-16	2.021E-01	1.110F-05	1.252E-04	2.348E-01
3.600E+04	5.655E-01	1.210E-15	3.578E-11	7.216E-06	1.025E-16	1.785E-01	6.327E-06	1.028F-04	2.572E-01
3.800E+04	3.893E-01	3.594E-16	4.145E-11	4.053E-06	2.482E-17	1.814E-01	5.571E-06	2.234E-05	2.765E-01
4.000E+04	4.089E-01	1.019E-05	5.607E-12	3.274E-06	7.862E-18	1.515E-01	2.010E-06	6.491E-05	2.927E-01
2.730E+04	3.049E-17	2.247E-12	1.243E-06	2.229E-18	1.253E-01	1.135E-06	5.065F-05	3.060E-01	
2.800E+04	4.376E-17	9.467E-18	4.171E-13	7.111E-07	6.500E-19	1.049E-01	6.467E-07	3.932E-05	3.160E-01
2.900E+04	4.481E-17	2.083E-18	3.830E-13	4.223E-07	1.960E-19	8.840E-02	3.732E-07	3.049E-05	3.255E-01
3.200E+04	5.666E-17	4.730E-19	1.661E-13	4.747E-07	6.125E-20	7.510E-02	2.107E-07	2.369E-05	3.324E-01
3.400E+04	6.946E-17	9.851E-22	8.500E-16	8.383E-09	4.222E-23	2.994E-02	8.508E-09	4.730E-06	3.493E-01
3.800E+04	6.942E-17	6.095E-22	6.302E-16	5.323E-09	1.609E-21	2.096E-02	5.722E-09	3.854E-06	3.407E-01
3.900E+04	5.940E-17	1.734E-22	2.200E-16	3.387E-09	6.174E-24	2.641E-02	3.90FF-09	3.160E-06	3.476E-01
4.100E+04	5.137E-17	7.446E-23	1.136E-16	2.156E-09	2.300E-24	2.220E-02	2.703E-09	2.070E-06	3.483E-01
4.200E+04	5.13E-17	3.263E-23	5.913E-17	1.373E-09	9.208E-25	2.027E-02	1.895E-09	2.164E-06	3.447E-01
4.300E+04	5.179E-17	1.447E-23	3.102E-17	8.757E-11	3.574E-25	1.859E-02	1.346E-09	1.807E-06	3.430E-01
4.400E+04	5.221E-17	6.511E-24	1.639E-17	5.568E-10	1.393E-25	1.710E-02	9.671E-10	1.518E-06	3.413E-01
4.500E+04	5.261E-17	2.971E-24	8.730E-18	3.565E-10	5.659E-26	1.579E-02	7.029E-10	1.282E-06	3.396E-01
4.600E+04	5.297E-17	1.375E-24	4.704E-18	2.828E-10	2.154E-26	1.662E-02	5.163E-10	1.090E-06	3.381E-01
4.700E+04	5.330E-17	6.601E-25	2.555E-18	1.466E-10	8.571E-27	1.358E-02	3.831E-10	9.914E-07	3.367E-01
4.800E+04	5.359E-17	3.041E-25	1.401E-18	9.456E-11	3.445E-27	1.265E-02	2.672E-10	8.002E-07	3.354E-01
4.900E+04	5.386E-17	1.491E-25	7.767E-19	6.128E-11	1.601E-27	1.181E-02	2.172E-10	6.910E-07	3.342E-01
5.000E+04	5.411E-17	7.128E-26	4.345E-19	3.992E-11	5.763E-28	1.055E-02	1.658E-10	5.995E-07	3.332E-01
5.300E+04	5.433E-17	3.654E-26	7.458E-19	2.616E-11	2.402E-26	1.016E-02	1.275E-10	5.224E-07	3.322E-01

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
1.739E-12	7.481E-36	2.444E-01	7.272E-13	7.931E-16	6.099E-17	0.	0.	0.	3.400E+03
4.209E-12	1.216E-05	2.430E-01	1.602E-12	2.560E-15	2.060E-16	0.	0.	0.	3.500E+03
9.670E-12	1.923E-15	2.414E-01	3.302E-12	7.755E-15	6.582E-16	0.	0.	0.	3.600E+03
2.116E-11	2.966E-05	2.395E-01	6.862E-12	2.215E-14	1.970E-15	0.	0.	0.	3.700E+02
4.428E-11	4.649E-05	2.373E-01	1.343E-11	5.995E-14	5.553E-15	0.	0.	0.	3.830E+03
8.866E-11	8.586E-05	2.349E-01	2.540E-11	1.544E-13	1.440E-14	0.	0.	0.	3.900E+03
1.715E-10	9.520E-05	2.322E-01	4.658E-11	3.796E-13	3.748E-14	0.	0.	0.	4.000E+03
3.190E-10	1.350E-04	2.292E-01	8.300E-11	8.946E-13	9.042E-14	C.	0.	0.	4.100E+03
5.733E-10	1.882E-04	2.260E-01	1.460E-10	2.026E-12	2.086E-13	0.	0.	0.	4.200E+03
9.977E-10	2.501E-04	2.225E-01	2.436E-10	4.425E-12	4.616E-13	0.	0.	0.	4.300E+03
1.664E-05	3.486E-04	2.196E-01	4.027E-10	9.337E-12	9.810E-13	0.	0.	0.	4.400E+03
2.763E-04	4.644E-04	2.150E-01	6.515E-10	1.909E-11	2.012E-12	0.	0.	0.	4.500E+03
4.411E-09	6.104E-04	2.105E-01	1.033E-09	3.788E-11	3.985E-12	0.	0.	0.	4.600E+03
8.803E-09	7.926E-04	2.068E-01	1.608E-09	7.312E-11	7.645E-12	0.	0.	0.	4.700E+03
1.042E-08	1.017E-03	2.025E-01	2.459E-09	1.375E-10	1.642E-11	0.	0.	0.	4.800E+03
1.554E-08	1.292E-03	1.984E-01	3.701E-09	2.526E-10	2.597E-11	0.	0.	0.	4.900E+03
2.247E-08	1.624E-03	1.939E-01	5.485E-09	4.533E-10	4.583E-11	0.	0.	0.	5.000E+03
4.401E-08	2.497E-03	1.854E-01	1.156E-08	1.372E-09	1.319E-10	0.	0.	0.	5.200E+02
8.233E-08	3.716E-03	1.733E-01	2.321E-08	3.854E-09	3.492E-10	0.	0.	0.	5.400E+03
1.624E-07	5.374E-03	1.696E-01	4.646E-08	1.012E-08	8.555E-10	0.	0.	0.	5.600E+03
2.329E-07	7.576E-03	1.626E-01	8.251E-08	2.503E-08	1.956E-09	0.	0.	0.	5.800E+02
3.624E-07	1.344E-02	1.560E-01	1.474E-07	5.859E-08	4.209E-09	0.	0.	0.	6.000E+03
5.446E-07	1.404E-02	1.499E-01	2.564E-07	1.304E-07	8.572E-09	1.497E-25	0.	0.	6.200E+03
7.776E-07	1.666E-02	1.440E-01	4.250E-07	2.769E-07	1.662E-08	1.667E-24	0.	0.	6.400E+03
1.084E-06	2.427E-02	1.381E-01	8.890E-07	5.625E-07	3.082E-08	1.196E-23	0.	0.	6.600E+03
1.476E-06	3.102E-02	1.322E-01	1.084E-06	1.057E-06	5.484E-08	7.760E-23	0.	0.	6.800E+02
1.947E-06	3.900E-02	1.259E-01	1.656E-06	2.055E-06	9.397E-08	4.528E-22	0.	0.	7.000E+03
2.527E-06	4.624E-02	1.193E-01	2.450E-06	3.711E-06	1.555E-07	2.393E-21	0.	0.	7.200E+03
3.221E-06	5.675E-02	1.122E-01	3.524E-06	6.466E-06	2.408E-07	1.152E-20	0.	0.	7.400E+03
4.035E-06	7.045E-02	1.047E-01	4.973E-06	1.089E-05	3.861E-07	4.088E-20	0.	0.	7.600E+03
4.993E-06	8.321E-02	9.676E-02	6.679E-06	1.776E-05	5.817E-07	2.071E-19	0.	0.	7.800E+03
6.053E-06	9.692E-02	8.833E-02	8.802E-06	2.008E-05	8.521E-07	7.812E-19	0.	0.	8.000E+03
7.350E-06	1.110E-01	7.940E-02	1.127E-05	4.309E-05	1.215E-05	2.742E-18	0.	0.	8.200E+03
8.771E-06	1.254E-01	7.131E-02	1.404E-05	6.429E-05	1.688E-06	9.001E-18	0.	0.	8.400E+03
1.057E-05	1.390E-01	6.246E-02	1.732E-05	9.338E-05	2.289E-06	2.776E-17	0.	0.	8.600E+03
1.253E-05	1.537E-01	5.648E-02	2.029E-05	1.322E-04	3.032E-06	6.057E-17	0.	0.	8.800E+03
1.414E-05	1.688E-01	4.730E-02	2.314E-05	1.828E-04	3.926E-06	2.215E-16	0.	0.	9.000E+03
1.629E-05	1.769E-01	3.494E-02	2.603E-05	2.473E-04	4.981E-06	5.783E-16	0.	0.	9.200E+03
1.866E-05	1.497E-01	3.160E-02	2.868E-05	3.278E-04	6.197E-06	1.440E-15	0.	0.	9.400E+03
2.124E-05	1.933E-01	2.802E-02	3.101E-05	4.263E-04	7.173E-06	3.629E-15	0.	0.	9.600E+03
2.404E-05	2.075E-01	2.320E-02	3.257E-05	5.452E-04	9.128E-06	7.843E-15	0.	0.	9.800E+03
2.766E-05	2.144E-01	1.911E-02	3.456E-05	6.866E-04	1.080E-05	1.726E-14	0.	0.	1.0CE-04
4.546E-05	2.336E-01	7.607E-03	3.743E-05	1.819E-03	2.133E-05	5.562E-13	0.	0.	1.100E-04
6.861E-05	2.377E-01	2.729E-03	3.663E-05	3.420E-03	3.483E-05	9.748E-12	0.	0.	1.200E-04
9.559E-05	2.374E-01	1.143E-03	3.376E-05	7.373E-03	5.025E-05	1.095E-10	0.	0.	1.300E-04
1.223E-04	2.272E-01	5.157E-04	3.0	-0.05	1.252E-02	6.597E-05	8.730E-10	6.460E-24	0.
1.471E-04	2.156E-01	2.457E-04	2.662E-05	1.959E-02	7.990E-05	5.297E-09	4.130E-22	0.	1.530E-04
1.661E-04	2.055E-01	1.212E-04	2.212E-05	2.858E-02	8.996E-05	2.575E-08	1.000E-20	0.	1.600E-04
1.767E-04	1.321E-01	6.086E-05	1.804E-05	9.323E-02	9.658E-05	1.041E-07	4.151E-19	0.	1.700E-04
1.775E-04	1.015E-01	3.165E-05	1.413E-05	5.099E-02	9.319E-05	3.613E-07	7.676E-18	0.	1.800E-04
1.848E-04	1.398E-01	1.532E-05	1.083E-05	6.318E-02	8.834E-05	1.101E-06	1.070E-16	0.	1.900E-04
1.520E-04	1.178E-01	7.557E-06	7.688E-06	7.494E-02	7.557E-05	3.004E-06	1.175E-15	0.	2.000E-04
1.305E-04	9.737E-02	3.673E-06	5.303E-06	8.565E-02	6.289E-05	7.460E-06	1.054E-14	0.	2.100E-04
1.076E-04	7.902E-02	1.763F-06	3.631E-06	9.44E-02	5.013E-05	1.709E-05	7.941E-14	C.	2.200E-04
8.526E-05	6.335E-02	8.646E-07	2.405E-06	1.021E-01	3.863E-05	3.654E-05	5.167E-13	0.	2.300E-04
6.522E-05	5.062E-02	6.008E-07	1.571E-06	1.081E-01	2.904E-05	7.360E-05	2.923E-12	0.	2.400E-04
4.491E-05	4.004E-02	1.427E-07	1.021E-06	1.125E-01	2.149E-05	1.408E-05	1.676E-11	0.	2.500E-04
3.124E-05	3.166E-02	9.389E-08	6.636E-07	1.157E-01	1.577E-05	2.574E-06	6.711E-11	0.	2.600E-04
2.709E-05	2.594E-02	4.666E-08	4.339E-07	1.179E-01	1.155E-05	4.520E-06	2.777E-10	0.	2.700E-04
2.003E-05	2.052E-02	2.364E-08	2.866E-07	1.193E-01	8.473E-06	7.652E-06	1.051E-09	0.	2.800E-04
1.540E-05	1.665E-02	1.226E-08	1.937E-07	1.201E-01	6..49E-06	1.253E-03	3.673E-09	0.	2.900E-04
1.161E-05	1.362E-02	6.498E-09	1.283E-07	1.232E-01	6.660E-06	1.987E-03	1.192E-08	0.	3.000E-04
8.854E-06	1.122E-02	5.514E-09	8.715E-08	1.194E-01	4.740E-06	2.059E-03	7.050E-08	0.	3.100E-04
6.833E-06	9.293E-03	1.933E-09	9.597E-08	1.187E-01	2.614E-06	4.576E-03	1.021E-07	0.	3.200E-04
5.355E-06	7.311E-03	1.079E-09	6.084E-08	1.168E-01	1.900E-06	6.654E-03	2.715E-07	0.	3.300E-04
4.257E-06	6.446E-03	6.082E-10	2.807E-08	1.141E-01	1.508E-06	9.436E-03	6.800E-07	0.	3.400E-04
3.434E-06	5.371E-03	3.469E-10	1.921E-08	1.105E-01	1.515E-06	1.293E-02	1.670E-06	6.180E-14	7.500E-04
2.819E-06	4.674E-03	1.959E-10	1.333E-08	1.056E-01	6.798E-07	1.726E-02	3.559E-06	2.931E-13	3.600E-04
2.346E-06	3.704E-03	1.111E-10	6.791E-09	1.003E-01	6.720E-07	2.242E-02	7.594E-06	1.266E-12	3.700E-04
1.941E-06	3.354E-03	1.502E-11	8.262E-09	8.612E-02	3.888E-07	3.767E-02	2.917E-05	1.816E-11	3.900E-04
1.667E-06	2.037E-03	1.941E-11	2.465E-09	7.914E-02	2.938E-07	4.159E-02	5.322E-05	6.102E-11	4.000E-04
1.243E-06	1.644E-03	1.065E-11	1.565E-09	7.136E-02	2.208E-07	4.855E-02	9.298E-05	1.907E-10	4.100E-04
1.134E-06	1.317E-03	5.786E-12	4.793E-11	6.364E-02	1.651E-07	4.361E-02	1.361E-04	5.575E-10	4.200E-04
1.011E-06	1.104E-03	3.120E-12	6.052E-10	5.621E-02	1.224E-07	6.195E-02	2.525E-04	1.533E-09	4.300E-04
9.373E-07	6.236E-04	1.672E-12	3.702E-10	4.924E-02	9.117E-08	6.801E-02	3.952E-04	3.984E-09	4.400E-04
8.200E-07	6.533E-04	8.921E-13	2.247E-10	4.285E-02	6.761E-08	7.347E-02	6.001E-04	5.839E-09	4.500E-04
7.454E-07	5.136E-04	6.752E-13	1.357E-10	3.709E-02	4.975E-02	7.827E-02	8.871E-04	2.318E-08	4.600E-04
6.811E-07	4.026E-04	2.531E-13	8.167E-11	3.158E-02	3.669E-02	8.236E-02	1.279E-03	5.230E-08	4.700E-04
6.230E-07	3.152E-04	1.351E-13	6.910E-11	2.749E-02	2.706E-02	8.576E-02	1.824E-03	1.134E-07	4.800E-04
5.754E-07	2.467E-04	7.234E-14	2.953E-11	2.359E-02	1.998E-02	8.861E-02	2.493E-03	2.370E-07	4.900E-04
5.325E-07	9.31E-04	3.890E-14	1.777E-11	2.021E-02	1.477E-02	9.039E-02	3.379E-03	4.784E-07	5.000E-04

TABLE II.- Continued

P/PO = 9.00E+01

T	E-	NM3	NM2	NH	N2M2	H	M2	M2+	M+
5.000E+02	0.	7.192E-01	1.429E-20	6.937E-35	1.971E-20	3.392E-22	2.106E-01	1.456E-17	9.314E-22
6.000E+02	0.	4.035E-01	3.357E-17	5.373E-29	3.733E-24	3.278E-18	4.474E-01	1.102E-11	2.800E-21
7.000E+02	0.	1.680E-01	6.148E-15	9.523E-25	2.713E-21	2.114E-15	6.240E-01	9.752E-19	6.647E-21
8.000E+02	0.	6.474E-02	2.468E-13	1.280E-21	2.864E-19	2.565E-13	7.014E-01	8.768E-19	1.41E-21
9.000E+02	0.	2.731E-02	3.995E-12	3.296E-19	9.616E-18	1.054E-11	7.295E-01	8.290E-19	2.71E-21
1.000E+03	0.	1.311E-02	3.571E-11	2.743E-17	1.543E-16	2.060E-10	7.402E-01	7.949E-19	4.622E-20
1.100E+03	0.	7.070E-03	2.134E-10	1.015E-15	1.479E-15	2.353E-09	7.447E-01	7.623E-19	7.131E-20
1.200E+03	0.	4.198E-03	9.375E-10	4.064E-14	9.711E-15	1.798E-08	7.469E-01	7.270E-19	0.015E-19
1.300E+03	0.	2.695E-03	3.270E-09	2.633E-13	6.770E-14	1.008E-07	7.480E-01	6.915E-19	1.393E-19
1.400E+03	0.	1.842E-03	9.525E-09	2.329E-12	1.877E-13	4.434E-07	7.488E-01	6.541E-19	1.712E-19
1.500E+03	0.	1.323E-03	2.694E-08	1.562E-11	6.163E-13	1.605E-06	7.490E-01	6.167E-19	2.074E-19
1.600E+03	0.	9.950E-04	5.401E-08	8.057E-11	1.747E-12	4.956E-06	7.492E-01	5.893E-19	2.441E-19
1.700E+03	0.	1.077E-27	7.736E-04	1.103E-07	3.667E-10	4.397E-12	1.343E-05	7.494E-01	5.455E-19
1.800E+03	0.	4.671E-25	6.195E-04	2.081E-07	1.268E-09	1.001E-11	3.263E-05	7.495E-01	5.120E-19
1.900E+03	0.	1.085E-22	5.085E-04	3.677E-07	4.064E-09	2.087E-11	7.232E-05	7.496E-01	4.825E-19
2.000E+03	0.	1.455E-20	4.263E-06	6.119E-07	1.151E-08	4.081E-11	1.482E-04	7.496E-01	4.623E-19
2.100E+03	0.	7.040E-19	3.619E-06	9.716E-07	2.962E-08	7.473E-12	2.829E-04	7.495E-01	7.265E-19
2.200E+03	0.	7.515E-18	1.155E-04	1.679E-06	6.996E-08	1.298E-10	5.131E-04	7.493E-01	4.012E-18
2.300E+03	0.	5.034E-17	2.722E-04	2.170E-06	1.533E-07	2.150E-10	8.813E-04	7.490E-01	2.315E-17
2.400E+03	0.	2.798E-16	2.464E-04	3.083E-06	3.147E-07	3.421E-10	1.448E-03	7.485E-01	1.217E-16
2.500E+03	0.	1.564E-15	2.211E-04	4.259E-06	6.099E-07	5.247E-10	2.287E-03	7.478E-01	5.495E-16
2.600E+03	0.	5.781E-15	2.301E-04	4.733E-06	1.123E-06	7.793E-10	3.489E-03	7.466E-01	2.293E-15
2.700E+03	0.	2.228E-14	1.824E-04	7.544E-06	1.975E-06	1.124E-09	5.160E-03	8.476E-01	1.376E-14
2.800E+03	0.	7.815E-14	1.673E-04	9.726E-06	3.336E-06	1.580E-09	7.420E-03	7.434E-01	2.858E-14
2.900E+03	0.	2.515E-13	1.562E-04	1.230E-05	5.431E-06	2.167E-09	1.040E-02	7.408E-01	6.649E-13
3.000E+03	0.	7.515E-13	1.427E-04	1.530E-05	8.552E-06	2.909E-09	1.426E-02	7.374E-01	2.554E-13
3.100E+03	0.	2.093E-12	1.324E-04	1.873E-05	1.308E-05	3.825E-09	1.914E-02	7.331E-01	1.673E-12
3.200E+03	0.	5.471E-12	1.231E-04	2.259E-05	1.941E-05	4.936E-09	2.521E-02	7.278E-01	9.851E-12
3.300E+03	0.	1.167E-11	2.086E-04	2.086E-05	2.813E-05	5.237E-09	3.262E-02	7.213E-01	4.160E-12
3.400E+03	0.	3.163E-11	1.069E-04	3.152E-05	3.981E-05	7.800E-09	4.154E-02	7.135E-01	9.449E-11
3.500E+03	0.	7.061E-11	9.954E-05	3.653E-05	5.513E-05	9.569E-09	5.211E-02	7.043E-01	2.046E-11
3.600E+03	0.	1.508E-10	2.623E-05	4.183E-05	7.484E-05	1.156E-08	6.446E-02	6.935E-01	4.247E-11
3.700E+03	0.	3.991E-10	8.077E-05	6.736E-05	9.969E-05	1.377E-08	7.870E-02	6.810E-01	8.641E-11
3.800E+03	0.	1.011E-09	7.978E-05	5.301E-05	1.353E-05	1.617E-08	9.491E-02	6.485E-01	4.788E-10
3.900E+03	0.	1.163E-09	7.373E-05	5.870E-05	1.679E-04	1.873E-08	1.131E-01	6.508E-01	2.991E-10
4.000E+03	0.	2.145E-09	6.790E-05	6.431E-05	2.128E-05	2.141E-08	1.334E-01	6.320E-01	5.755E-10
4.100E+03	0.	3.839E-09	6.228E-05	6.972E-05	2.658E-04	2.741E-08	1.557E-01	6.135E-01	4.280E-10
4.200E+03	0.	6.080E-09	5.687E-05	7.483E-05	3.273E-04	2.692E-08	1.798E-01	5.923E-01	1.563E-09
4.300E+03	0.	1.132E-08	5.167E-05	7.952E-05	3.977E-04	2.363E-08	2.058E-01	5.695E-01	2.561E-09
4.400E+03	0.	1.671E-08	4.669E-05	8.368E-05	4.772E-04	2.232E-08	2.334E-01	5.453E-01	4.088E-09
4.500E+03	0.	3.023E-08	6.194E-05	8.722E-05	5.657E-04	3.666E-08	2.624E-01	5.198E-01	6.367E-09
4.600E+03	0.	4.777E-08	3.748E-05	9.006E-05	6.631E-04	3.685E-08	2.926E-01	4.933E-01	9.685E-09
4.700E+03	0.	7.948E-08	3.328E-05	9.215E-05	7.689E-04	3.875E-08	3.237E-01	4.666E-01	1.444E-08
4.800E+03	0.	1.224E-07	2.937E-05	9.336E-05	8.823E-04	4.032E-08	3.555E-01	4.282E-01	2.099E-08
4.900E+03	0.	1.676E-07	2.537E-05	9.394E-05	1.003E-04	4.154E-08	4.101E-01	2.996E-08	1.493E-07
5.000E+03	0.	2.458E-07	2.245E-05	9.374E-05	1.129E-03	4.239E-08	4.191E-01	3.821E-01	4.196E-08
5.100E+03	0.	5.339E-07	1.676E-05	9.112E-05	1.395E-03	4.298E-08	4.812E-01	3.273E-01	7.802E-08
5.200E+03	0.	7.755E-07	1.225E-05	6.614E-05	1.672E-03	4.321E-08	5.395E-01	2.757E-01	1.359E-07
5.300E+03	0.	.794E-06	8.787E-06	7.950E-05	1.951E-03	4.034E-08	5.921E-01	2.290E-01	2.233E-07
5.400E+03	0.	6.217E-06	7.193E-06	7.225E-03	2.771F-08	6.779E-01	1.880E-01	2.486E-01	9.243E-06
5.500E+03	0.	2.937E-05	6.936E-05	6.823E-04	4.032E-08	3.555E-01	4.282E-01	2.099E-08	9.929E-06
5.600E+03	0.	1.152E-05	6.431E-05	6.128E-04	4.875E-08	1.010E-01	2.996E-08	1.493E-07	1.493E-07
5.700E+03	0.	5.320E-06	4.356E-05	6.040E-05	2.484E-03	3.461E-08	6.766E-01	1.530E-01	5.201E-07
5.800E+03	0.	6.660E-06	4.660E-05	5.632E-05	2.738E-03	3.132E-08	7.080E-01	1.230E-01	7.461E-06
5.900E+03	0.	1.365E-05	2.110E-05	6.908E-05	2.966E-03	2.801E-08	7.336E-01	9.993E-02	1.034E-06
6.000E+03	0.	2.092E-05	1.668E-05	6.247E-05	3.179E-03	2.184E-08	8.063E-01	6.034E-02	1.393E-06
6.100E+03	0.	4.126E-05	1.242E-05	3.658E-05	3.167E-03	2.181E-08	7.681E-01	6.515E-02	1.827E-06
6.200E+03	0.	6.564E-05	7.178E-05	3.138E-05	3.530E-03	1.903E-08	7.788E-01	5.280E-02	2.344E-06
6.300E+03	0.	6.524E-05	5.054E-05	2.683E-05	3.666E-03	1.648E-08	7.862E-01	5.237E-02	2.949E-06
6.400E+03	0.	9.167E-05	3.576E-07	2.284E-05	3.773E-03	1.614E-08	7.907E-01	3.512E-02	1.666E-06
6.500E+03	0.	1.265E-04	2.536E-07	1.967E-05	3.869E-03	1.207E-08	7.930E-01	2.885E-02	4.438E-06
6.600E+03	0.	1.720E-04	1.817E-07	1.652E-05	3.891E-03	1.212E-08	7.933E-01	2.303E-02	5.327E-06
6.700E+03	0.	2.334E-04	1.333E-07	1.398E-05	3.900E-03	6.550E-09	7.927E-01	1.990E-02	1.317E-06
6.800E+03	0.	3.067E-04	9.388E-05	1.179E-05	3.875E-03	7.095E-09	7.898E-01	1.654E-02	8.975E-07
6.900E+03	0.	3.774E-04	6.708E-05	9.922E-05	3.818E-03	5.933E-09	7.867E-01	1.290E-02	5.281E-06
7.000E+03	0.	5.136E-04	9.925E-05	8.325E-05	3.730E-03	4.763E-09	7.829E-01	1.175E-02	9.914E-06
7.100E+03	0.	6.558E-04	3.587E-04	6.968E-05	3.616E-03	3.821E-09	7.788E-01	9.990E-03	1.134E-05
7.200E+03	0.	8.289E-04	2.023E-04	5.819E-04	3.479E-03	8.051E-09	7.745E-01	6.548E-03	1.289E-05
7.300E+03	0.	1.037E-03	1.926E-04	4.852E-04	3.324E-03	2.416E-09	7.703E-01	7.359E-03	1.457E-04
7.400E+03	0.	1.287E-03	1.420E-04	4.042E-04	3.157E-03	1.900E-09	7.666E-01	6.375E-03	1.664E-04
7.500E+03	0.	1.229L-03	7.848E-05	2.803E-04	2.805E-03	1.156E-09	7.592E-01	4.869E-03	2.054E-05
7.600E+03	0.	2.334E-03	5.844E-04	2.337E-04	2.630E-03	8.979E-10	7.542E-01	4.2927E-03	2.287E-04
7.700E+03	0.	5.466E-03	1.1533E-03	9.727E-07	1.855E-03	2.547E-10	7.445E-01	2.450E-03	3.751E-03
7.800E+03	0.	1.113E-02	4.661E-03	4.357E-07	1.307E-03	7.789E-11	7.414E-01	1.526E-03	5.710E-04
7.900E+03	0.	2.035E-02	1.607E-03	2.092E-07	9.364E-04	2.620E-11	7.206E-01	1.004E-03	8.190E-05
8.000E+03	0.	3.048E-02	6.037E-03	1.055E-07	6.795E-04	9.493E-12	7.013E-01	6.816E-04	1.109E-04
8.100E+03	0.	5.308E-02	2.392E-03	5.471E-08	4.940E-04	3.598E-12	6.748E-01	4.703E-04	1.394E-04
8.200E+03	0.	9.600E+04	7.769E-02	9.885E-08	2.855E-03	3.559E-12	6.403E-01	3.253E-04	1.672F-02
8.300E+03	0.	1.077E-01	3.906E-02	1.674E-03	2.16E-03	5.941E-13	5.941E-01	2.230E-04	1.899E-04
8.400E+03	0.	1.423E-01	1.537E-02	7.626E-03	1.				

TABLE II.- Continued

P/PD = 9.00E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	7.019E-02	6.929E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.491E-01	1.018E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.000E-01	1.275E-20	0.	0.	0.	0.	0.	7.000E+02
0.	9.242E-30	2.538E-01	1.562E-20	0.	0.	0.	0.	0.	8.000E+02
0.	2.664E-26	2.432E-01	1.071E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.557E-23	2.467E-01	2.160E-20	0.	0.	0.	0.	0.	1.000E+03
0.	2.885E-21	2.482E-01	2.402E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.216E-19	2.490E-01	2.587E-20	0.	0.	0.	0.	0.	1.200E+03
0.	8.801E-18	2.493E-01	2.713E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.370E-16	2.495E-01	2.780E-20	1.504E-31	0.	0.	0.	0.	1.400E+03
0.	3.203E-15	2.497E-01	2.819E-20	1.311E-30	0.	0.	0.	0.	1.500E+03
0.	8.804E-34	3.524E-14	2.498E-01	2.809E-29	8.637E-30	0.	0.	0.	1.600E+03
1.357E-30	2.929E-13	2.498E-01	2.776E-26	4.518E-29	0.	0.	0.	0.	1.700E+03
9.362E-28	1.926E-12	2.498E-01	2.725E-26	1.952E-26	0.	0.	0.	0.	1.800E+03
3.260E-25	1.060E-11	2.499E-01	2.662E-20	7.187E-28	0.	0.	0.	0.	1.900E+03
6.276E-23	4.766E-11	2.499E-01	2.635E-20	2.350E-27	0.	0.	0.	0.	2.000E+03
4.164E-16	1.876E-10	2.499E-01	4.598E-20	1.209E-26	8.235E-29	0.	0.	0.	2.100E+03
5.963E-20	6.552E-10	2.499E-01	2.416E-19	1.698E-25	2.801E-27	0.	0.	0.	2.200E+03
5.179E-19	4.053E-09	2.498E-01	1.439E-18	2.482E-24	5.580E-26	0.	0.	0.	2.300E+03
3.627E-18	5.852E-09	2.498E-01	7.661E-18	3.009E-23	8.205E-25	0.	0.	0.	2.400E+03
2.162E-17	1.539E-08	2.497E-01	3.590E-17	3.007E-22	6.675E-24	0.	0.	0.	2.500E+03
1.121E-16	3.739E-08	2.495E-01	1.498E-16	2.524E-21	9.619E-23	0.	0.	0.	2.600E+03
5.139E-16	8.520E-08	2.493E-01	5.632E-16	1.812E-20	7.738E-22	0.	0.	0.	2.700E+03
2.110E-15	1.835E-07	2.490E-01	1.930E-15	1.132E-19	5.463E-21	0.	0.	0.	2.800E+03
7.849E-15	3.764E-12	2.487E-01	6.002E-15	6.246E-19	3.365E-20	0.	0.	0.	2.900E+03
2.670E-14	7.286E-12	2.482E-01	1.779E-14	3.079E-18	1.834E-19	0.	0.	0.	3.000E+03
8.376E-14	1.358E-13	2.476E-01	4.861E-14	1.371E-17	8.969E-19	0.	0.	0.	3.100E+03
2.441E-13	2.435E-06	2.464E-01	1.249E-13	5.569E-17	3.950E-18	0.	0.	0.	3.200E+03
6.653E-13	4.213E-08	2.454E-01	3.036E-13	2.081E-16	1.390E-17	0.	0.	0.	3.300E+03
1.705E-12	7.057E-16	2.447E-01	7.012E-12	7.205E-16	5.881E-17	0.	0.	0.	3.400E+03
4.126E-12	1.147E-05	2.434E-01	1.546E-12	2.327E-15	2.018E-16	0.	0.	0.	3.500E+03
9.886E-12	1.815E-05	2.419E-01	3.266E-12	7.050E-15	6.646E-16	0.	0.	0.	3.600E+03
2.071E-11	2.800E-05	2.404E-01	6.622E-12	2.014E-14	1.930E-15	0.	0.	0.	3.700E+03
4.349E-11	6.219E-05	2.380E-01	1.247E-11	5.453E-14	5.442E-15	0.	0.	0.	3.800E+03
8.736E-11	6.222E-05	2.457E-01	2.455E-11	1.464E-13	1.451E-14	0.	0.	0.	3.900E+03
1.687E-10	8.993E-07	2.331E-01	4.935E-11	3.454E-13	3.678E-14	0.	0.	0.	4.000E+03
3.142E-10	1.276E-06	2.330E-01	8.036E-11	8.141E-13	8.873E-14	0.	0.	0.	4.100E+03
5.654E-10	1.779E-04	2.272E-01	1.393E-10	1.844E-12	2.068E-12	0.	0.	0.	4.200E+03
9.855E-10	2.461E-04	2.239E-01	2.4359E-10	4.027E-12	5.4535E-13	0.	0.	0.	4.300E+03
1.766E-05	3.294E-04	2.203E-01	3.940E-10	8.494E-12	9.558E-13	0.	0.	0.	4.400E+03
2.739E-09	4.395E-04	2.166E-01	6.312E-10	1.737E-11	1.980E-12	0.	0.	0.	4.500E+03
4.311E-06	5.779E-04	2.127E-01	1.061E-09	3.446E-11	3.920E-12	0.	0.	0.	4.600E+03
6.833E-09	7.506E-04	2.086E-01	1.956E-09	6.851E-11	7.535E-12	0.	0.	0.	4.700E+03
1.040E-08	9.638E-04	2.045E-01	2.383E-09	1.251E-10	1.640E-11	0.	0.	0.	4.800E+03
1.549E-08	1.224E-03	2.033E-01	3.586E-09	2.296E-10	2.559E-11	0.	0.	0.	4.900E+03
2.259E-08	1.560E-03	1.960E-01	5.315E-09	4.119E-10	4.511E-11	0.	0.	0.	5.000E+03
4.591E-08	2.369E-03	1.876E-01	1.120E-08	1.243E-09	1.308E-10	0.	0.	0.	5.100E+03
8.356E-08	3.526E-03	1.795E-01	2.245E-08	3.493E-09	3.468E-10	0.	0.	0.	5.200E+03
1.656E-07	5.098E-03	1.718E-01	4.330E-08	9.158E-09	8.512E-10	0.	0.	0.	5.300E+03
2.391E-07	7.188E-03	1.646E-01	7.959E-08	2.261E-08	1.495E-09	0.	0.	0.	5.400E+03
3.760E-07	9.304E-03	1.580E-01	1.417E-07	5.283E-08	4.230E-09	0.	0.	0.	5.500E+03
5.605E-07	1.337E-02	1.517E-01	2.464E-07	1.174E-07	8.566E-09	1.707E-25	0.	0.	6.000E+03
8.093E-07	1.777E-02	1.457E-01	4.075E-07	2.446E-07	1.662E-08	1.402E-24	0.	0.	6.400E+03
1.132E-06	2.302E-02	1.398E-01	6.608E-07	5.056E-07	3.085E-08	1.018E-23	0.	0.	6.800E+03
1.539E-06	2.993E-02	1.339E-01	1.039E-06	9.852E-07	5.498E-08	6.600E-23	0.	0.	7.200E+03
2.346E-06	3.732E-02	1.277E-01	1.581E-06	1.846E-06	9.429E-08	3.849E-22	0.	0.	7.600E+03
2.656E-02	4.546E-02	1.212E-01	2.354E-06	3.335E-06	1.542E-07	2.034E-21	0.	0.	7.200E+01
3.395E-06	5.590E-02	1.143E-01	3.334E-06	5.817E-06	2.504E-07	9.802E-21	0.	0.	7.400E+03
4.261E-06	6.713E-02	1.089E-01	4.753E-06	9.810E-06	3.891E-07	4.333E-20	0.	0.	7.600E+03
5.273E-06	7.936E-02	9.916E-02	6.471E-06	1.602E-05	5.087E-07	1.767E-19	0.	0.	7.800E+03
6.440E-06	9.261E-02	4.103E-02	8.565E-06	2.533E-05	8.624E-07	6.676E-19	0.	0.	8.000E+03
7.771E-05	1.066E-01	8.265E-02	1.102E-05	9.905E-05	1.233E-05	2.344E-18	0.	0.	8.200E+03
9.283E-06	1.296E-01	7.417E-02	1.408E-05	5.642E-05	1.718E-06	7.730E-18	0.	0.	8.400E+03
1.058E-05	1.349E-01	6.575E-02	1.683E-05	8.510E-05	2.330E-06	2.349E-17	0.	0.	8.600E+03
1.287E-05	1.481E-01	5.758E-02	1.994E-05	1.209E-04	3.104E-06	6.900E-17	0.	0.	8.800E+03
1.496E-05	1.619E-01	4.982E-02	2.317E-05	1.677E-04	4.034E-06	1.919E-16	0.	0.	9.200E+03
1.726E-05	1.762E-01	4.262E-02	2.627E-05	2.476E-04	5.135E-06	5.026E-16	0.	0.	9.500E+03
1.978E-05	1.894E-01	3.630E-02	3.910E-05	3.025E-04	6.410E-05	1.255E-15	0.	0.	9.800E+03
2.252E-05	1.953E-01	3.028E-02	3.165E-05	3.466E-04	7.860E-06	2.997E-15	0.	0.	9.800E+03
2.544E-05	2.039E-01	2.522E-02	3.334E-05	5.000E-04	4.442E-06	8.070E-15	0.	0.	9.800E+03
2.870E-05	2.113E-01	2.048E-02	3.505E-05	6.398E-05	1.122E-06	1.516E-14	0.	0.	1.000E+04
3.223E-05	2.223E-01	1.663E-02	3.970E-05	1.704E-03	2.249E-05	4.920E-13	0.	0.	1.000E+04
3.740E-05	2.375E-01	3.064E-03	3.876E-05	3.691E-03	3.691E-03	6.652E-12	0.	0.	1.200E+04
4.012E-04	2.352E-01	1.291E-03	3.590E-05	6.757E-03	5.346E-05	6.732E-11	0.	0.	1.300E+04
4.305E-04	2.202E-01	5.855E-04	3.226E-05	1.184E-02	7.042E-05	7.705E-11	5.400E-24	0.	1.400E+04
4.575E-04	2.173E-01	2.808E-04	2.822E-05	1.056E-02	8.569E-05	6.715E-09	3.654E-22	0.	1.500E+04
4.739E-04	2.029E-01	1.397E-04	2.349E-05	2.714E-02	9.704E-05	2.297E-08	1.742E-23	0.	1.600E+04
4.914E-04	1.834E-01	7.049E-05	1.968E-05	2.736E-02	1.025E-04	9.284E-08	3.467E-19	0.	1.700E+04
5.130E-04	1.654E-01	3.620E-05	1.558E-05	6.876E-02	1.023E-04	3.224E-07	4.392E-18	0.	1.800E+04
5.385E-04	1.442E-01	1.838E-05	1.166E-05	6.066E-02	6.568E-05	9.830E-07	8.867E-17	0.	1.900E+04
5.643E-04	1.227E-01	4.225E-06	8.649E-06	7.234E-02	8.496E-06	2.668E-06	9.736E-16	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
2.100E+04	2.979E-01	7.103E-14	7.950E-10	4.599E-05	7.521E-15	3.813E-01	3.918E-05	1.892E-04	1.748E-01
2.200E+04	2.944E-01	2.345E-14	3.252E-10	2.766E-04	2.294E-15	3.269E-01	2.366E-05	1.682E-04	2.019E-01
2.300E+04	3.275E-01	7.339E-15	1.350E-10	1.621E-05	6.735E-16	2.770E-01	1.395E-05	1.491E-04	2.271E-01
2.400E+04	3.564E-01	2.247E-15	3.566E-11	9.335E-06	1.950E-16	2.327E-01	8.077E-06	1.196E-04	2.498E-01
2.500E+04	3.809E-01	6.770E-16	2.241E-11	5.319E-07	9.480E-17	1.946E-01	4.625E-06	9.889E-05	2.695E-01
2.600E+04	4.013E-01	2.040E-16	9.059E-12	3.023E-08	1.543E-17	1.626E-01	2.637E-06	7.714E-05	2.863E-01
2.700E+04	4.181E-01	6.210E-17	3.690E-12	1.724E-09	6.520E-18	1.301E-01	1.507E-06	6.012E-05	3.202E-01
2.800E+04	4.317E-01	1.936E-17	1.928E-12	9.919E-10	1.345E-18	1.145E-01	6.470E-07	4.750E-05	3.116E-01
2.900E+04	4.429E-01	6.201E-18	6.656E-13	5.773E-07	4.121E-19	9.651E-02	5.076E-07	3.707E-05	3.2C9E-01
3.000E+04	4.520E-01	2.051E-18	2.794E-13	3.404E-07	1.304E-19	6.261E-02	2.978E-07	2.886E-05	3.2B3E-01
3.130E+04	4.594E-01	7.020E-19	1.260E-13	2.038E-07	4.285E-20	7.097E-02	1.786E-07	2.270E-05	3.363E-01
3.200E+04	4.661E-01	2.488E-19	5.666E-14	1.237E-07	1.455E-20	6.146E-02	1.089E-07	1.707E-05	3.309E-01
3.300E+04	4.718E-01	9.129E-20	2.633E-14	7.611E-08	2.096E-21	5.364E-02	6.739E-08	1.415E-05	3.425E-01
3.400E+04	4.770E-01	3.495E-20	1.256E-14	4.736E-08	1.830E-21	4.716E-02	4.269E-08	1.127E-05	3.491E-01
3.500E+04	4.819E-01	1.340E-20	6.116E-15	2.976E-08	6.775E-22	4.176E-02	2.742E-08	9.032E-06	3.668E-01
3.600E+04	4.867E-01	5.402E-21	3.032E-15	1.885E-08	2.550E-22	3.721E-02	1.791E-08	7.283E-06	3.778E-01
3.700E+04	4.914E-01	2.217E-21	1.520E-15	1.201E-08	9.742E-23	3.376E-02	1.189E-08	5.910E-06	3.848E-01
3.800E+04	4.962E-01	9.208E-22	7.784E-16	7.677E-09	3.704E-23	3.007E-02	8.010E-09	4.824E-06	3.978E-01
3.900E+04	5.010E-01	3.973E-22	4.015E-16	5.920E-09	1.466E-23	2.725E-02	5.474E-09	3.982E-06	3.701E-01
4.000E+04	5.058E-01	1.726E-22	2.090E-16	3.157E-09	5.739E-24	2.480E-02	3.795E-09	3.273E-06	3.450E-01
4.100E+04	5.105E-01	7.616E-23	1.097E-16	2.027E-09	2.256E-24	2.266E-02	2.645E-09	2.719E-06	3.444E-01
4.200E+04	5.151E-01	3.409E-23	5.807E-17	1.302E-09	8.895E-25	2.079E-02	1.894E-09	2.273E-06	3.429E-01
4.300E+04	5.195E-01	1.947E-23	3.096E-17	8.366E-10	3.521E-25	1.914E-02	1.363E-09	1.911E-06	3.413E-01
4.400E+04	5.233E-01	7.118E-24	1.663E-17	5.383E-10	1.460E-25	1.768E-02	9.912E-10	1.816F-06	3.397E-01
4.500E+04	5.273E-01	3.921E-24	9.011E-18	3.471E-10	5.603E-26	1.638E-02	7.287E-10	1.374E-06	3.382E-01
4.600E+04	5.307E-01	1.571E-24	6.920E-18	2.246E-10	2.259E-26	1.522E-02	5.12E-10	1.174E-06	3.367E-01
4.700E+04	5.330E-01	7.942E-25	2.719E-18	1.454E-10	9.188E-27	1.417E-02	4.079E-10	1.009E-06	3.275E-01
4.800E+04	5.366E-01	3.073E-25	1.516E-18	9.488E-11	3.777E-27	1.323E-02	3.071E-10	8.715E-07	3.343E-01
4.900E+04	5.392E-01	1.815E-25	8.530E-19	6.213E-11	1.570E-27	1.239E-02	2.349E-10	7.562E-07	3.332E-01
5.000E+04	5.416E-01	9.095E-26	4.689E-19	4.308E-11	6.605E-28	1.161E-02	1.805E-10	6.592E-07	3.322E-01

1/PD = 1.076E+07

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
4.000E+02	0.	7.314E-01	1.430E-20	4.717E-19	7.304E-24	7.148E-22	2.315E-11	1.457E-15	9.798E-22
4.000E+02	0.	4.215E-01	3.379E-17	5.213E-29	3.909E-24	2.667E-12	4.119E-10	1.149E-18	2.740E-21
7.000E+02	0.	1.604E-01	6.232E-18	4.124E-29	2.421E-21	1.300E-14	6.474E-11	6.474E-14	6.474E-21
8.000E+02	0.	7.304E-02	2.558E-18	1.272E-19	1.150E-17	2.474E-13	6.368E-10	8.437E-14	1.354E-20
9.000E+02	0.	3.617E-02	4.132E-18	2.744E-19	1.021E-16	2.367E-12	6.398E-10	4.377E-14	7.488E-20
1.000E+03	0.	1.452E-02	3.774E-18	2.744E-17	1.713E-16	1.315E-12	7.301E-10	7.952E-14	4.606E-20
1.100E+03	0.	7.863E-03	7.247E-18	1.671E-17	1.664E-15	2.311E-12	7.441E-10	7.644E-14	6.800E-20
1.200E+03	0.	4.643E-03	9.877E-19	2.064E-14	1.278E-14	1.737E-12	7.461E-11	7.172E-14	9.201E-20
1.300E+03	0.	2.655E-03	1.665E-19	2.617E-14	9.306E-14	1.536E-12	6.454E-11	6.573E-14	1.294E-19
1.400E+03	0.	1.205E-03	1.024E-19	2.324E-17	1.245E-13	4.426E-12	6.454E-11	6.117E-14	1.662E-19
1.500E+03	0.	6.147E-03	2.953E-08	1.564E-13	6.442E-13	1.532E-12	7.481E-11	6.764E-14	1.497E-19
1.600E+03	0.	3.135E-03	5.637E-08	8.071E-13	1.461E-12	4.701E-12	7.467E-11	5.810E-14	2.350E-19
1.700E+03	0.	1.525E-03	1.153E-07	3.464E-13	4.465E-12	1.276E-11	7.464E-11	4.549E-14	2.699E-19
1.800E+03	0.	4.172E-03	2.179E-07	1.728E-12	1.771E-11	3.377E-12	7.469E-11	3.777E-14	3.077E-19
1.900E+03	0.	1.255E-03	5.555E-08	6.049E-13	2.322E-11	8.491E-12	7.469E-11	4.977E-14	3.227E-19
2.000E+03	0.	3.721E-03	1.671E-06	2.151E-12	6.434E-12	5.546E-12	7.469E-11	6.773E-14	2.640E-19
2.100E+03	0.	1.227E-03	4.037E-06	1.274E-16	2.962E-12	8.303E-11	2.494E-11	6.117E-14	7.788E-19
2.200E+03	0.	7.712E-04	3.559E-06	6.495E-08	1.644E-12	4.417E-12	7.481E-11	6.764E-14	1.497E-19
2.300E+03	0.	4.125E-04	7.080E-06	5.153E-07	1.461E-12	4.701E-12	7.467E-11	5.810E-14	2.350E-19
2.400E+03	0.	2.614E-04	7.130E-06	1.250E-05	1.765E-12	3.817E-12	7.464E-11	4.549E-14	2.699E-19
2.500E+03	0.	1.422E-04	7.457E-06	4.444E-06	6.050E-12	5.637E-12	7.470E-11	4.349E-14	7.049E-19
2.600E+03	0.	5.399E-05	2.124E-06	6.766E-06	1.717E-12	4.862E-12	7.431E-11	5.649E-14	2.212E-18
2.700E+03	0.	2.343E-04	7.979E-06	1.974E-12	1.725E-12	5.293E-12	7.434E-11	6.137E-14	2.729E-18
2.800E+03	0.	9.221E-05	1.496E-06	1.471E-12	5.735E-12	1.757E-12	7.451E-11	7.437E-14	4.585E-18
2.900E+03	0.	3.740E-04	1.724E-06	1.230E-12	6.433E-12	4.417E-12	7.431E-11	5.810E-14	3.819E-18
3.000E+03	0.	1.415E-04	7.080E-06	5.153E-12	7.489E-12	5.347E-12	7.430E-11	5.264E-14	2.644E-18
3.100E+03	0.	5.617E-05	1.671E-06	4.632E-12	1.727E-12	6.173E-12	7.448E-11	4.177E-14	1.613E-18
3.200E+03	0.	2.474E-05	1.674E-06	1.177E-12	5.817E-12	1.376E-12	7.448E-11	4.149E-14	1.394E-18
3.300E+03	0.	1.036E-05	1.672E-06	2.244E-12	1.643E-12	5.867E-12	7.450E-11	4.149E-14	1.332E-18
3.400E+03	0.	4.294E-05	1.670E-06	7.637E-13	8.371E-12	7.374E-12	7.449E-11	4.077E-14	1.255E-18
3.500E+03	0.	1.946E-05	1.673E-06	3.048E-12	8.648E-12	1.264E-12	7.453E-11	4.074E-14	1.229E-18
3.600E+03	0.	7.637E-06	1.673E-06	1.471E-12	7.486E-12	5.675E-12	7.451E-11	4.044E-14	1.198E-18
3.700E+03	0.	3.075E-06	1.674E-06	6.613E-12	7.487E-12	6.477E-12	7.451E-11	4.044E-14	1.164E-18
3.800E+03	0.	1.255E-06	1.674E-06	4.632E-12	7.488E-12	1.235E-12	7.450E-11	4.044E-14	1.135E-18
3.900E+03	0.	4.674E-06	1.675E-06	1.177E-12	7.489E-12	1.477E-12	7.451E-11	4.044E-14	1.106E-18
4.000E+03	0.	1.826E-06	1.675E-06	2.244E-12	1.643E-12	5.867E-12	7.452E-11	4.044E-14	1.077E-18
4.100E+03	0.	7.048E-06	1.675E-06	7.637E-13	8.371E-12	7.375E-12	7.453E-11	4.044E-14	1.048E-18
4.200E+03	0.	2.740E-06	1.676E-06	3.048E-12	7.487E-12	1.264E-12	7.454E-11	4.044E-14	1.020E-18
4.300E+03	0.	1.057E-06	1.676E-06	1.471E-12	7.488E-12	5.676E-12	7.454E-11	4.044E-14	9.911E-19
4.400E+03	0.	4.025E-06	1.676E-06	3.048E-12	7.489E-12	1.235E-12	7.455E-11	4.044E-14	9.624E-19
4.500E+03	0.	1.515E-06	1.676E-06	4.632E-12	7.489E-12	1.477E-12	7.456E-11	4.044E-14	9.335E-19
4.600E+03	0.	5.622E-06	1.676E-06	1.177E-12	7.490E-12	5.867E-12	7.457E-11	4.044E-14	9.046E-19
4.700E+03	0.	2.155E-06	1.676E-06	2.244E-12	1.643E-12	5.867E-12	7.458E-11	4.044E-14	8.757E-19
4.800E+03	0.	8.678E-07	1.676E-06	7.637E-13	8.371E-12	7.376E-12	7.459E-11	4.044E-14	8.468E-19

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE II.- Continued

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
1.471E-04	1.023E-01	4.567E-06	6.155E-06	8.312E-02	7.164E-05	6.681E-06	8.707E-19	0.	2.100E+06
1.425E-04	6.385E-02	2.233E-C6	4.228E-06	9.248E-C2	5.708E-05	1.532E-05	6.562E-14	0.	2.200E+06
9.846E-05	6.702E-02	1.384E-C4	2.039E-06	1.003E-01	4.515E-05	3.277E-05	4.222E-13	0.	2.300E+06
7.691E-05	5.642E-02	5.254E-07	1.478E-06	1.064E-01	3.418E-05	6.204E-05	2.391E-12	0.	2.400E+06
5.886E-05	4.353E-02	2.562E-07	1.233E-06	1.111E-01	2.572E-05	1.263E-05	1.203E-11	0.	2.500E+06
4.642E-05	3.465E-02	1.264E-07	8.090E-07	1.146E-01	9.405E-05	2.309E-04	5.653E-11	0.	2.600E+06
3.331E-05	2.802E-J2	6.341E-08	5.330E-07	1.171E-01	1.404E-05	4.054E-04	7.224E-10	0.	2.700E+06
2.696E-05	2.266E-02	3.244E-08	3.553E-07	1.187E-01	1.038E-05	6.861E-04	8.494E-10	0.	2.800E+06
1.877E-05	1.846E-02	1.695E-C8	2.371E-C7	1.197E-01	7.732E-06	1.123E-03	2.962E-09	0.	2.900E+06
1.622E-05	1.515E-02	1.630E-09	1.603E-07	1.201E-01	9.766E-06	1.782E-03	9.597E-06	0.	3.000E+06
1.388E-05	1.251E-02	4.918E-09	1.049E-07	1.198E-01	4.318E-06	2.745E-03	2.901E-08	0.	3.100E+06
8.635E-06	1.060E-02	2.723E-09	7.917E-08	1.190E-01	3.266E-06	6.111E-03	8.218E-08	0.	3.200E+06
6.626E-06	6.677E-03	1.925E-C9	5.188E-08	1.176E-01	2.468E-06	5.907E-03	2.108E-07	0.	3.300E+06
5.281E-06	7.260E-03	6.681E-10	3.555E-C8	1.150E-01	1.898E-06	8.484E-03	5.640E-07	0.	3.400E+06
4.273E-06	6.079E-03	4.938E-10	2.473E-08	1.117E-01	1.655E-06	1.170E-02	1.301E-08	4.475E-14	3.500E+06
3.509E-06	5.083E-03	2.848E-08	1.697E-08	1.078E-01	1.111E-06	1.569E-02	2.917E-08	2.191E-13	3.600E+06
2.924E-06	4.237E-03	1.630E-09	1.154E-08	1.026E-01	8.585E-07	2.048E-02	6.203E-08	5.243E-13	3.700E+06
2.671E-06	3.515E-03	9.302E-11	7.759E-09	9.662E-02	5.581E-07	2.609E-02	1.293E-05	3.672E-12	3.800E+06
2.115E-C6	2.899E-03	5.272E-11	5.147E-09	8.969E-02	5.530E-07	3.214E-02	2.611E-05	1.342E-11	3.900E+06
1.833E-06	2.373E-03	2.962E-11	3.366E-09	6.241E-02	3.427E-07	3.872E-02	6.430E-25	4.540E-11	4.000E+06
1.605E-06	1.629E-03	1.649E-11	2.166E-09	7.646E-02	2.498E-07	6.552E-02	7.792E-05	1.624E-10	4.100E+06
1.419E-06	1.558E-03	9.049E-12	1.375E-09	6.773E-02	2.184E-07	5.231E-02	1.317E-04	4.234E-10	4.200E+06
1.266E-06	1.248E-03	4.975E-12	8.622E-10	5.979E-02	1.683E-07	5.088E-02	2.164E-04	1.163E-09	4.300E+06
1.137E-06	9.494E-06	2.707E-12	5.347E-10	5.273E-02	1.224E-07	6.506E-02	3.376E-04	3.641E-09	4.400E+06
1.029E-06	7.890E-06	1.462E-12	3.288E-10	6.617E-02	9.111E-08	7.070E-02	5.157E-04	3.545E-09	4.500E+06
9.156E-07	6.237E-06	7.882E-13	2.039E-09	4.020E-02	6.767E-08	7.573E-02	7.662E-04	1.787E-08	4.600E+06
8.553E-07	6.917E-06	6.267E-13	1.223E-10	3.465E-02	5.021E-08	8.310E-02	1.110E-03	4.051E-08	4.700E+06
7.654E-07	3.870E-06	2.241E-13	7.627E-11	3.611E-02	3.724E-08	8.377E-02	1.573E-03	8.670E-08	4.800E+06
7.047E-07	3.243E-06	1.238E-13	6.570E-11	2.593E-02	2.763E-08	8.678E-02	2.182E-03	1.850E-07	4.900E+06
6.698E-07	2.392E-06	6.719E-14	4.735E-11	2.233E-02	2.053E-08	8.907E-02	2.569E-03	3.748E-07	5.000E+06

P/PD = 1.30E+02

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
J.	J.	6.715E-02	6.498E-01	0.	0.	0.	0.	0.	5.000E+02
0.	J.	1.446E-01	1.031E-01	0.	0.	0.	0.	0.	4.000E+02
0.	J.	2.046E-01	1.290E-01	0.	0.	0.	0.	0.	7.000E+02
0.	J.	6.739E-30	2.523E-01	1.573E-20	0.	0.	0.	0.	8.000E+02
0.	J.	2.523E-20	2.442E-01	1.873E-20	0.	0.	0.	0.	9.000E+02
0.	J.	1.670E-23	2.666E-01	2.169E-20	0.	0.	0.	0.	1.000E+03
0.	J.	2.717E-21	2.480E-01	2.414E-20	0.	0.	0.	0.	1.100E+03
0.	J.	2.012E-19	2.688E-01	2.604E-20	0.	0.	0.	0.	1.200E+03
0.	J.	6.348E-18	2.693E-01	2.737E-20	0.	0.	0.	0.	1.300E+03
0.	J.	1.969E-18	2.691E-01	2.816E-20	1.442E-31	0.	0.	0.	1.400E+03
0.	J.	3.033E-15	2.696E-01	2.851E-20	1.263E-30	0.	0.	0.	1.500E+03
0.	J.	2.323E-36	2.697E-01	2.851E-20	4.317E-31	0.	0.	0.	1.600E+03
1.265E-30	2.771E-13	2.698E-01	2.824E-20	4.360E-39	0.	0.	0.	1.700E+03	
8.554E-28	1.827E-12	2.698E-01	2.777E-20	1.488E-18	0.	0.	0.	1.800E+03	
1.029E-25	9.863E-12	2.498E-01	2.711E-20	6.963E-28	7.913E-34	0.	0.	1.900E+03	
4.432E-23	6.593E-11	2.699E-01	2.691E-20	4.274E-27	0.	0.	0.	2.000E+03	
6.012E-21	1.746E-10	2.699E-01	6.520E-20	1.124E-22	7.9133E-29	0.	0.	2.100E+03	
5.665E-20	2.215E-10	2.495E-01	2.331E-16	1.554E-25	8.214E-27	0.	0.	2.200E+03	
5.105E-19	1.949E-09	2.1E-01	1.385E-10	2.246E-24	5.501E-26	0.	0.	2.300E+03	
3.975E-19	5.552E-19	2.698E-01	7.373E-10	2.746E-23	6.087E-25	0.	0.	2.400E+03	
2.124E-17	1.659E-08	2.697E-01	3.455E-17	2.746E-22	6.525E-24	0.	0.	2.500E+03	
1.176E-16	3.567E-08	2.695E-01	1.646E-16	2.917E-21	6.222E-23	0.	0.	2.600E+03	
5.057E-16	8.091E-08	2.693E-01	5.431E-16	1.635E-20	7.616E-22	0.	0.	2.700E+03	
2.076E-15	1.761E-07	2.691E-01	1.882E-15	1.037E-19	5.373E-21	0.	0.	2.800E+03	
7.711E-15	3.952E-07	2.687E-01	5.872E-15	5.219E-16	3.304E-20	0.	0.	2.900E+03	
2.024E-15	6.913E-07	2.686E-01	1.710E-14	2.1E-10	1.803E-19	0.	0.	3.000E+03	
8.232E-15	1.279E-15	2.677E-01	4.697E-15	1.25E-17	7.972E-19	0.	0.	3.100E+03	
4.399E-15	2.311E-15	2.670E-01	1.204E-13	5.10E-17	3.880E-18	0.	0.	3.200E+03	
6.537E-15	5.995E-15	2.661E-01	2.937E-13	1.940E-16	1.562E-17	0.	0.	3.300E+03	
1.675E-14	6.699E-14	2.655E-01	6.786E-13	6.611E-16	5.780E-17	0.	0.	3.400E+03	
4.077E-13	1.089E-05	2.653E-01	1.496E-12	2.174E-15	1.988E-16	0.	0.	3.500E+03	
5.225E-12	1.723E-15	2.622E-01	3.161E-12	6.73E-15	6.331E-16	0.	0.	3.600E+03	
2.363E-11	2.654E-05	2.605E-01	8.420E-12	1.850E-14	1.498E-15	0.	0.	3.700E+03	
6.279E-11	6.037E-05	2.588E-01	1.257E-11	5.009E-14	5.303E-15	0.	0.	3.800E+03	
4.299E-11	5.911E-15	2.366E-01	2.381E-11	1.240E-13	1.620E-14	0.	0.	3.900E+03	
1.662E-10	6.594E-05	2.555E-01	6.370E-11	3.179E-13	3.612E-14	0.	0.	4.000E+03	
3.099E-10	1.213E-06	2.612E-01	1.794E-11	6.681E-13	6.726E-14	0.	0.	4.100E+03	
9.583E-10	1.693E-15	2.602E-01	1.353E-11	1.049E-12	2.019E-13	0.	0.	4.200E+03	
9.763E-10	2.321E-06	2.550F-01	2.291E-10	3.701E-12	6.466E-13	0.	0.	4.300E+03	
1.650E-09	3.133E-10	2.214E-01	3.790E-10	7.810E-12	6.912E-13	0.	0.	4.400E+03	
2.718E-09	6.123E-10	2.100E-01	6.135E-10	1.556E-11	1.959E-12	0.	0.	4.500E+03	
6.352E-09	5.522E-10	2.162E-01	5.732E-10	3.167E-11	3.872E-12	0.	0.	4.600E+03	
6.860E-09	7.199E-06	2.103P-01	1.515E-09	6.111E-11	7.442E-12	0.	0.	4.700E+03	
1.037E-08	4.142E-06	2.062E-01	2.317E-09	1.149E-10	1.388E-11	0.	0.	4.800E+03	

TABLE II.- Continued

T	E-	NM3	NM2	NM	N2M2	M	M2	M2o	H
6.200E+03	7.55E-27	3.027E-03	1.027E-04	1.027E-03	4.820E-28	2.733E-21	4.22E-21	2.975E-09	1.208E-07
5.000E+03	2.777E-27	2.633E-03	1.027E-04	1.027E-03	4.917E-28	2.643E-21	3.95E-21	4.178E-09	2.059E-07
5.200E+03	6.74E-27	1.994E-03	1.027E-04	1.027E-03	4.711E-28	5.224E-21	4.679E-21	7.812E-09	6.169E-07
5.400E+03	9.43E-27	1.669E-03	9.57E-05	1.722E-03	4.973E-09	8.242E-01	2.897E-11	1.739E-07	8.772E-07
5.600E+03	1.034E-26	1.044E-03	8.934E-05	7.017E-03	4.789E-09	8.773E-01	5.410E-11	5.767E-07	1.844E-06
5.800E+03	2.363E-26	7.626E-03	9.113E-05	2.303E-03	4.505E-08	6.264E-01	2.000E-11	3.551E-07	2.747E-06
6.000E+03	5.077E-26	5.339E-03	7.271E-05	2.599E-03	4.163E-08	5.184E-01	1.834E-01	3.774E-07	4.078E-06
6.200E+03	8.157E-26	3.792E-03	6.432E-05	2.857E-03	3.791E-08	6.975E-01	1.346E-01	7.677E-07	7.677E-06
6.400E+03	1.284E-25	2.654E-03	5.635E-05	3.177E-03	3.640E-08	1.084E-01	1.084E-01	1.084E-06	1.084E-05
6.600E+03	1.976E-24	1.887E-03	4.939E-05	3.325E-03	3.324E-08	7.455E-01	8.776E-02	1.644E-06	1.882E-05
6.800E+03	2.953E-23	1.309E-03	4.217E-05	3.567E-03	2.678E-08	7.616E-01	7.118E-02	1.949E-06	2.771E-05
7.000E+03	4.317E-23	9.421E-03	3.669E-05	3.727E-03	2.341E-08	7.728E-01	6.749E-02	2.447E-06	3.477E-05
7.200E+03	6.175E-23	6.515E-03	3.112E-05	3.878E-03	2.141E-08	7.826E-01	6.276E-02	3.086E-06	5.179E-05
7.400E+03	9.472E-23	4.672E-03	2.549E-05	3.993E-03	1.787E-08	7.917E-01	5.877E-02	3.873E-06	7.817E-05
7.600E+03	1.197E-23	3.310E-03	2.288E-05	4.008E-03	1.505E-08	7.990E-01	5.187E-02	4.667E-06	1.264E-05
7.800E+03	1.424E-23	2.122E-03	1.937E-05	4.117E-03	1.297E-08	7.977E-01	4.117E-02	5.624E-06	1.644E-05
8.000E+03	2.141E-23	1.711E-03	1.655E-05	4.159E-03	1.079E-08	7.912E-01	3.146E-02	6.657E-06	1.475E-05
8.200E+03	2.953E-23	1.233E-03	1.409E-05	4.174E-03	9.203E-09	7.846E-01	2.181E-02	7.414E-06	1.632E-05
8.400E+03	4.766E-23	8.944E-03	1.187E-05	4.249E-03	7.466E-09	7.646E-01	1.946E-02	9.030E-06	3.119E-05
8.600E+03	6.462E-23	6.565E-03	9.968E-06	4.313E-03	6.690E-09	7.412E-01	1.598E-02	1.748E-06	1.948E-05
8.800E+03	8.091E-23	4.787E-03	8.155E-06	4.389E-03	4.919E-09	7.192E-01	1.199E-02	2.199E-06	2.647E-05
9.000E+03	9.494E-23	3.046E-03	5.555E-06	4.721E-03	3.961E-09	7.155E-01	6.514E-02	3.234E-06	4.177E-05
9.200E+03	1.171E-22	2.549E-03	5.852E-06	4.817E-03	3.617E-09	7.111E-01	4.104E-02	4.647E-06	5.430E-05
9.400E+03	1.423E-22	1.912E-03	4.933E-06	5.363E-03	2.505E-09	7.047E-01	2.796E-02	5.175E-06	6.176E-05
9.600E+03	1.644E-22	1.422E-03	4.018E-06	5.299E-03	1.988E-09	7.012E-01	1.444E-02	1.045E-05	1.111E-05
9.800E+03	1.877E-22	1.055E-03	3.612E-06	5.270E-03	1.538E-09	6.951E-01	6.223E-02	2.173E-05	2.335E-05
1.000E+04	2.117E-22	7.443E-03	2.849E-06	5.196E-03	1.200E-09	6.844E-01	4.777E-02	3.617E-05	4.596E-05
1.013E+04	2.313E-22	5.151E-03	2.303E-06	5.196E-03	9.205E-10	6.490E-01	2.923E-02	3.981E-05	5.564E-05
1.027E+04	2.506E-22	3.616E-03	1.645E-06	5.165E-03	6.264E-10	6.149E-01	2.028E-02	4.097E-05	7.774E-05
1.040E+04	2.718E-22	2.121E-03	1.092E-06	5.164E-03	3.615E-10	5.722E-01	1.112E-02	4.680E-05	1.273E-04
1.053E+04	2.930E-22	1.629E-03	5.155E-06	5.170E-03	2.672E-10	5.321E-01	5.124E-02	5.111E-05	5.111E-04
1.066E+04	3.142E-22	1.217E-03	3.618E-06	5.227E-03	1.697E-10	4.971E-01	3.645E-02	6.111E-05	6.875E-04
1.079E+04	3.354E-22	8.643E-03	1.926E-06	5.273E-03	7.673E-10	4.654E-01	2.173E-02	7.783E-05	8.711E-04
1.092E+04	3.566E-22	5.257E-03	1.555E-06	5.295E-03	4.294E-10	4.357E-01	1.527E-02	9.581E-05	1.056E-03
1.105E+04	3.778E-22	3.079E-03	1.219E-06	5.346E-03	1.031E-10	4.054E-01	1.044E-02	1.275E-05	1.244E-03
1.118E+04	3.990E-22	2.223E-03	8.224E-07	5.346E-03	3.666E-10	3.751E-01	5.204E-02	1.604E-05	1.434E-03
1.131E+04	4.202E-22	1.621E-03	5.155E-07	5.346E-03	2.020E-10	3.451E-01	2.121E-02	2.350E-05	1.625E-03
1.144E+04	4.414E-22	1.123E-03	3.615E-07	5.346E-03	1.201E-10	3.151E-01	1.481E-02	3.235E-05	1.816E-03
1.157E+04	4.626E-22	7.135E-03	2.324E-07	5.346E-03	6.020E-11	2.852E-01	1.021E-02	2.203E-05	2.007E-03
1.170E+04	4.838E-22	3.647E-03	1.636E-07	5.346E-03	3.204E-11	2.553E-01	6.234E-02	1.223E-05	1.198E-03
1.183E+04	5.050E-22	2.149E-03	1.187E-07	5.346E-03	1.736E-11	2.265E-01	4.235E-02	7.783E-05	1.393E-03
1.196E+04	5.262E-22	1.219E-03	8.055E-08	5.346E-03	1.049E-11	1.976E-01	2.277E-02	2.773E-05	1.584E-03
1.209E+04	5.474E-22	7.231E-03	5.155E-08	5.346E-03	6.656E-12	1.724E-01	1.414E-02	4.223E-05	1.775E-03
1.222E+04	5.686E-22	4.164E-03	3.615E-08	5.346E-03	4.051E-12	1.471E-01	9.126E-03	6.141E-05	1.966E-03
1.235E+04	5.898E-22	2.123E-03	2.324E-08	5.346E-03	2.402E-12	1.223E-01	5.123E-03	1.141E-05	2.157E-03
1.248E+04	6.110E-22	1.123E-03	1.323E-08	5.346E-03	1.403E-12	9.741E-02	3.124E-03	1.741E-05	2.348E-03
1.261E+04	6.322E-22	5.155E-03	7.212E-08	5.346E-03	8.727E-13	7.309E-02	2.125E-03	2.750E-05	2.539E-03
1.274E+04	6.534E-22	3.177E-03	4.134E-08	5.346E-03	5.720E-13	5.304E-02	1.226E-03	3.751E-05	3.127E-03
1.287E+04	6.746E-22	2.123E-03	2.309E-08	5.346E-03	3.720E-13	3.304E-02	6.237E-03	4.752E-05	4.128E-03
1.300E+04	6.958E-22	1.219E-03	1.309E-08	5.346E-03	2.720E-13	1.304E-02	2.238E-03	6.753E-05	5.129E-03
1.313E+04	7.170E-22	5.155E-03	7.212E-08	5.346E-03	1.720E-13	9.511E-03	1.227E-03	9.754E-05	6.130E-03
1.326E+04	7.382E-22	3.177E-03	4.134E-08	5.346E-03	9.720E-14	5.511E-03	6.239E-03	1.376E-05	7.131E-03
1.339E+04	7.594E-22	2.123E-03	2.309E-08	5.346E-03	7.720E-14	3.507E-03	4.245E-03	2.377E-05	8.132E-03
1.352E+04	7.806E-22	1.219E-03	1.309E-08	5.346E-03	5.720E-14	1.503E-03	2.246E-03	4.378E-05	9.133E-03
1.365E+04	8.018E-22	5.155E-03	7.212E-08	5.346E-03	3.720E-14	7.511E-04	1.227E-03	6.379E-05	1.013E-02
1.378E+04	8.230E-22	3.177E-03	4.134E-08	5.346E-03	1.720E-14	3.507E-04	6.239E-03	8.380E-05	1.113E-02
1.391E+04	8.442E-22	2.123E-03	2.309E-08	5.346E-03	9.720E-15	1.503E-04	4.245E-03	1.837E-05	1.213E-02
1.404E+04	8.654E-22	1.219E-03	1.309E-08	5.346E-03	5.720E-15	7.511E-05	2.246E-03	2.838E-05	1.313E-02
1.417E+04	8.866E-22	5.155E-03	7.212E-08	5.346E-03	3.720E-15	3.507E-05	1.227E-03	4.839E-05	1.413E-02
1.430E+04	9.078E-22	3.177E-03	4.134E-08	5.346E-03	1.720E-15	1.503E-05	6.239E-03	6.840E-05	1.513E-02
1.443E+04	9.290E-22	2.123E-03	2.309E-08	5.346E-03	9.720E-16	7.511E-06	4.245E-03	8.841E-05	1.613E-02
1.456E+04	9.502E-22	1.219E-03	1.309E-08	5.346E-03	5.720E-16	3.507E-06	2.246E-03	1.464E-05	1.713E-02
1.469E+04	9.714E-22	5.155E-03	7.212E-08	5.346E-03	3.720E-16	1.503E-06	1.227E-03	2.465E-05	1.813E-02
1.482E+04	9.926E-22	3.177E-03	4.134E-08	5.346E-03	1.720E-16	7.511E-07	6.239E-03	4.466E-05	1.913E-02
1.495E+04	1.013E-21	2.123E-03	2.309E-08	5.346E-03	9.720E-17	3.507E-07	4.245E-03	6.467E-05	2.013E-02
1.508E+04	1.034E-21	1.219E-03	1.309E-08	5.346E-03	5.720E-17	1.503E-07	2.246E-03	8.468E-05	2.113E-02
1.521E+04	1.055E-21	5.155E-03	7.212E-08	5.346E-03	3.720E-17	7.511E-08	6.239E-03	1.464E-05	2.213E-02
1.534E+04	1.076E-21	3.177E-03	4.134E-08	5.346E-03	1.720E-17	3.507E-08	4.245E-03	2.465E-05	2.313E-02
1.547E+04	1.097E-21	2.123E-03	2.309E-08	5.346E-03	9.720E-18	1.503E-08	2.246E-03	4.466E-05	2.413E-02
1.560E+04	1.118E-21	1.219E-03	1.309E-08	5.346E-03	5.720E-18	7.511E-09	6.239E-03	6.467E-05	2.513E-02
1.573E+04	1.139E-21	5.155E-03	7.212E-08	5.346E-03	3.720E-18	3.507E-09	4.245E-03	8.468E-05	2.613E-02
1.586E+04	1.160E-21	3.177E-03	4.134E-08	5.346E-03	1.720E-18	1.503E-09	2.246E-03	1.046E-05	2.713E-02
1.600E+04	1.181E-21	2.123E-03	2.309E-08	5.346E-03	9.720E-19	7.511E-10	6.239E-03	2.046E-05	2.813E-02
1.613E+04	1.202E-21	1.219E-03	1.309E-08	5.346E-03	5.720E-19	3.507E-10	4.245E-03	4.046E-05	2.913E-02
1.626E+04	1.223E-21	5.155E-03	7.212E-08	5.346E-03	3.720E-19	1.503E-10	2.246E-03	6.046E-05	3.013E-02
1.639E+04	1.244E-21	3.177E-03	4.134E-0						

TABLE II.- Continued

M-	N	N2	N2*	N*	N*	N**	N***	N****	T
1.547E-08	1.167E-03	2.021E-01	3.407E-09	2.100E-10	2.528E-11	0.	0.	0.	4.000E+03
2.250E-08	1.400E-03	1.979E-01	5.167E-09	3.781E-10	4.668E-11	0.	0.	0.	5.000E+03
4.531E-08	2.259E-03	1.896E-01	1.008E-08	1.142E-09	1.297E-10	0.	0.	0.	5.200E+03
8.454E-08	3.103E-03	1.815E-01	2.180E-08	3.199E-09	3.466E-10	0.	0.	0.	5.400E+03
1.679E-07	4.864E-03	1.737E-01	4.170E-08	8.377E-09	8.674E-10	0.	0.	0.	5.600E+03
2.446E-07	6.850E-03	1.665E-01	7.701E-08	2.645E-08	1.943E-09	0.	0.	0.	5.800E+03
3.881E-07	9.468E-03	1.597E-01	1.370E-07	4.819E-08	4.191E-09	0.	0.	0.	6.000E+03
5.760E-07	1.275E-02	1.533E-01	2.359E-07	1.010E-07	8.555E-09	1.685F-25	0.	0.	6.200E+03
8.370E-07	1.616E-02	1.473E-01	3.936E-07	2.266E-07	1.062E-08	1.217E-24	0.	0.	6.400E+03
1.175E-06	2.196E-02	1.414E-01	3.309E-07	5.597E-07	3.308E-08	8.824E-24	0.	0.	6.600E+03
1.623E-06	2.809E-02	1.354E-01	1.001E-06	8.594E-07	5.528E-08	5.714E-23	0.	0.	6.800E+03
2.133E-06	3.535E-02	1.293E-01	1.930E-06	1.678E-06	9.455E-08	3.331E-22	0.	0.	7.000E+03
2.778E-06	4.379E-02	1.229E-01	2.272E-06	3.032E-06	1.508E-07	1.760E-21	0.	0.	7.200E+03
3.552E-06	5.302E-02	1.161E-01	3.280E-06	5.292E-06	2.518E-07	8.463E-21	0.	0.	7.400E+03
4.466E-06	6.424E-02	1.098E-01	4.804E-06	8.933E-06	3.917E-07	3.753E-20	0.	0.	7.600E+03
5.533E-06	7.615E-02	1.033E-01	8.288E-06	1.461E-05	5.922E-07	1.532E-19	0.	0.	7.800E+03
6.766E-06	8.898E-02	9.532E-02	8.336E-06	2.318E-05	8.711E-07	9.798E-19	0.	0.	8.000E+03
8.171E-06	1.045E-01	8.508E-02	7.979E-05	3.576E-05	1.244E-06	2.046E-18	0.	0.	8.200E+03
9.763E-06	1.164E-01	7.971E-04	3575E-05	5.339E-05	1.763E-06	6.762E-18	0.	0.	8.400E+03
1.155E-05	1.304E-01	6.835E-02	1.644E-05	7.824E-05	2.377E-06	7.208E-17	0.	0.	8.600E+03
1.354E-05	1.446E-01	6.019E-02	1.988E-05	1.111E-05	3.167E-06	8.101E-17	0.	0.	8.800E+03
1.575E-05	1.575E-01	5.238E-01	2.315E-05	1.57E-04	4.120E-06	1.688E-16	0.	0.	9.000E+03
1.818E-05	1.770E-01	4.707E-02	2.630E-05	2.111E-05	5.270E-06	4.430E-16	0.	0.	9.200E+03
2.304E-05	1.814E-01	3.1E-02	2.951E-05	2.811E-05	8.000E-06	1.104E-15	0.	0.	9.400E+03
2.373E-05	1.913E-01	3.235E-02	3.216E-05	3.679E-05	8.118E-06	2.655E-15	0.	0.	9.600E+03
2.666E-05	2.000E-01	2.711E-02	4.456E-05	4.729E-05	9.81E-06	8.100E-15	0.	0.	9.800E+03
3.324E-05	2.080E-01	2.256E-02	3.658E-05	5.948E-05	1.170E-05	1.749E-14	0.	0.	1.000E+04
3.950E-05	2.151E-01	2.001E-02	6.161E-05	1.011E-05	4.598E-05	4.600E-13	0.	0.	1.100E+04
7.649E-05	2.372E-01	3.395E-03	4.074E-05	3.647E-05	3.888E-05	7.775E-12	0.	0.	1.200E+04
1.346E-05	2.359E-01	1.438E-03	3.791E-05	6.840E-05	8.757E-05	1.111E-11	0.	0.	1.30E+04
1.342E-05	2.290E-01	6.552E-03	3.642E-05	1.125E-02	7.667E-05	8.991E-10	6.613E-24	0.	1.400E+04
1.673E-04	2.148E-01	3.161E-04	3.006E-05	1.767E-02	9.118E-05	6.247E-09	2.964E-22	0.	1.500E+04
.906E-04	2.030E-01	1.595E-05	2.707E-05	2.510E-07	1.030E-05	2.057E-08	1.162E-20	0.	1.600E+04
2.036E-04	1.882E-01	8.120E-05	2.124E-05	3.519E-02	1.130E-05	8.175E-06	2.949E-19	0.	1.700E+04
2.693E-04	1.649E-01	6.152E-05	1.694E-05	6.681E-02	1.111E-06	2.911E-07	5.429E-18	0.	1.800E+04
2.823E-04	1.464E-01	2.157E-05	1.303E-05	5.847E-02	1.053E-06	8.891E-07	7.534E-17	0.	1.900E+04
1.880E-04	1.270E-01	1.095E-05	6.866E-05	7.002E-02	5.649E-05	8.757E-11	0.	0.	2.00E+04
1.633E-04	1.060E-01	9.528E-06	6.960E-07	8.000E-02	8.226E-05	6.351E-08	7.367E-15	0.	2.100E+04
1.373E-04	8.824E-02	2.746E-06	4.826E-06	9.033E-02	6.362E-05	1.398E-05	5.505E-14	0.	2.200E+04
1.116E-04	7.194E-02	1.359E-06	3.282E-06	9.036E-02	5.182E-05	1.771E-05	3.565E-13	0.	2.300E+04
8.440E-05	5.615E-02	1.666E-07	2.195E-06	1.040E-01	3.986E-05	1.994E-05	2.000E-12	0.	2.400E+04
8.852E-05	6.680E-02	3.259E-02	1.656E-06	1.058E-01	3.111E-05	1.147E-04	1.030E-11	0.	2.500E+04
5.118E-05	3.770E-02	1.635E-07	9.632E-07	1.159E-01	2.264E-05	2.096E-06	4.934E-11	0.	2.600E+04
3.917E-05	3.045E-02	6.332E-06	6.391E-07	1.072E-01	1.672E-05	1.677E-06	1.483E-10	0.	2.700E+04
2.956E-05	2.673E-02	4.491E-08	4.268E-07	1.161E-01	1.263E-05	6.225E-06	7.024E-10	0.	2.800E+04
2.234E-05	2.214E-02	2.747E-08	2.876E-07	1.193E-01	1.119E-05	1.119E-05	2.466E-05	0.	2.900E+04
1.701E-05	1.663E-02	1.212E-08	1.953E-07	1.199E-01	6.963E-05	1.617E-07	7.914E-09	0.	3.100E+04
1.330E-05	1.371E-02	1.315E-09	1.339E-07	1.198E-01	5.217E-05	2.008E-07	2.391E-08	0.	3.150E+04
1.316E-05	1.149E-02	3.889E-05	9.238E-08	1.192E-01	3.974E-10	3.714E-07	8.770E-08	0.	3.200E+04
8.009E-06	2.046E-02	6.606E-09	6.607E-08	1.170E-01	3.033E-06	5.644E-05	1.803E-07	0.	3.300E+04
6.354E-06	1.605E-02	4.653E-08	4.391E-07	1.197E-01	2.327E-06	7.771E-05	4.511E-07	0.	3.400E+04
5.183E-06	5.770E-03	3.651E-08	3.092E-08	1.124E-01	1.791E-06	1.069E-02	1.076E-06	3.353E-14	3.500E+04
4.266E-06	3.660E-03	2.113E-08	2.131E-08	1.050E-01	1.382E-06	1.479E-02	2.421E-06	1.401E-13	3.600E+04
3.556E-06	2.670E-03	2.269E-10	1.646E-08	1.050E-01	1.068E-06	1.885E-02	5.13E-06	6.972E-13	3.700E+04
3.306E-06	1.371E-03	1.315E-10	6.955E-09	9.859E-02	8.217E-07	2.008E-02	1.950E-05	2.767E-12	3.800E+04
2.578E-06	3.272E-03	7.552E-11	6.880E-10	9.221E-02	6.315E-07	2.390E-02	2.030E-05	1.427E-11	3.900E+04
2.235E-06	2.712E-03	4.100E-11	6.615E-09	8.526E-02	6.835E-07	3.623E-02	7.751E-05	3.674E-11	4.000E+04
1.959E-06	2.214E-03	2.624E-11	6.882E-09	7.709E-02	6.069E-07	6.286E-02	6.438E-05	1.101E-10	4.100E+04
1.753E-06	1.802E-03	1.356E-11	1.050E-09	7.051E-02	2.705E-07	4.555E-02	1.12ME-04	3.255E-10	4.200E+04
1.567E-06	1.655E-03	7.555E-12	1.176E-09	6.915E-02	2.113E-07	5.612E-02	1.664E-04	9.368E-10	4.300E+04
1.391E-06	1.160E-03	6.129E-12	7.365E-10	5.590E-02	1.587E-07	6.638E-02	2.926E-04	2.383E-09	4.400E+04
1.259E-06	4.307E-06	2.620E-12	5.566E-10	6.423E-02	1.189E-07	6.414E-02	6.493E-02	5.965E-09	4.500E+04
1.146E-06	1.299E-06	1.623E-12	4.823E-10	6.646E-02	6.646E-07	7.316E-02	6.707E-04	1.474E-08	4.600E+04
1.048E-06	5.603E-06	6.709E-13	1.765E-10	3.756E-02	6.626E-08	7.795E-02	9.761E-04	3.217E-08	4.700E+04
9.628E-07	4.637E-06	5.656E-13	1.070E-10	3.254E-02	6.611E-08	8.169E-02	1.340E-03	7.031E-08	4.800E+04
8.680E-07	1.662E-06	1.993E-13	6.952E-11	2.820E-02	3.083E-04	8.513E-02	1.943E-03	1.602E-07	4.900E+04
8.218E-07	2.691E-06	1.050E-13	6.014E-11	2.643E-02	2.70E-08	8.772E-02	2.664E-03	3.304E-07	5.000E+04

P/P0 = 1.20E+02

M-	N	N2	N2*	N*	N*	N**	N***	N****	T
0.	0.	6.214E-02	7.086E-21	0.	0.	C.	C.	0.	5.000E+02
0.	.	1.300E-01	1.050E-21	.	0.	0.	0.	0.	5.200E+02
0.	*	1.980E-01	1.310E-21	.	0.	0.	0.	0.	5.400E+02
0.	+	7.425E-30	2.293E-01	1.994E-20	0.	0.	0.	0.	5.600E+02
0.	-	2.297E-26	1.611E-01	1.866E-20	0.	0.	0.	0.	5.800E+02
0.	1.366E-23	6.657E-01	2.105E-20	0.	0.	0.	0.	0.	6.000E+02
0.	2.477E-21	2.677E-01	2.351E-20	0.	0.	0.	0.	0.	6.200E+02
0.	1.914E-19	2.686E-01	2.632E-20	0.	0.	0.	0.	0.	6.400E+02

TABLE II.- Continued

T	E-	NH3	NH2	NH	A2H2	H	H2	H2P	H+
1.300E+03	0.	3.586E-03	3.771E-09	2.628E-13	6.359E-14	8.727E-08	7.473E-01	7.071E-19	1.199E-19
1.400E+03	0.	2.453E-03	1.099E-08	2.328E-12	2.494E-13	3.438E-07	7.482E-01	6.725E-19	1.525E-19
1.500E+03	0.	1.766E-03	2.776E-08	1.541E-11	8.206E-13	1.389E-06	7.487E-01	6.378E-19	1.062E-19
1.600E+03	0.	1.328E-03	2.234E-08	0.959E-11	2.328E-12	4.291E-06	7.490E-01	6.036E-19	2.199E-19
1.700E+03	7.717E-20	1.331E-03	1.273E-07	3.464E-10	5.859E-12	1.163E-05	7.492E-01	5.707E-19	2.520E-19
1.800E+03	3.330E-25	8.254E-04	2.402E-07	1.268E-09	1.334E-11	2.026E-05	7.494E-01	5.394E-19	2.042E-19
1.900E+03	7.695E-23	6.778E-04	4.238E-07	4.048E-09	2.792E-11	6.263E-05	7.494E-01	5.101E-19	3.140E-19
2.000E+03	1.032E-20	5.683E-04	7.065E-07	1.151E-08	5.349E-11	1.283E-04	7.495E-01	4.886E-19	3.459E-19
2.100E+03	5.662E-19	4.852E-04	1.122E-06	2.962E-08	9.962E-11	2.458E-04	7.494E-01	7.529E-19	6.047E-19
2.200E+03	8.220E-18	4.207E-04	1.708E-06	0.955E-08	1.730E-10	4.643E-04	7.493E-01	3.635E-18	3.275E-18
2.300E+03	4.199E-17	3.698E-04	2.506E-06	1.533E-07	2.047E-10	7.633E-04	7.491E-01	2.102E-17	2.102E-17
2.400E+03	2.920E-16	3.285E-04	3.961E-06	3.140E-07	4.562E-10	1.256E-03	7.487E-01	1.096E-16	1.290E-16
2.500E+03	2.22E-15	2.949E-04	6.918E-06	6.100E-07	6.999E-10	9.981E-03	7.487E-01	5.067E-16	6.066E-16
2.600E+03	.800E-15	2.670E-04	6.623E-06	1.123E-06	1.040E-09	3.023E-03	7.472E-01	2.072E-15	2.701E-15
2.700E+03	1.847E-14	2.435E-04	6.719E-06	1.976E-06	1.501E-09	4.707E-03	7.459E-01	7.073E-15	1.070E-14
2.800E+03	6.470E-14	2.235E-04	1.125E-05	3.339E-06	2.110E-09	6.298E-03	7.442E-01	2.592E-14	3.906E-14
2.900E+03	2.082E-13	2.061E-04	1.424E-05	5.437E-06	2.894E-09	9.010E-03	7.419E-01	8.057E-14	1.294E-13
3.000E+03	9.207E-13	1.909E-04	1.772E-05	0.565E-06	3.890E-09	1.234E-02	7.390E-01	2.324E-13	3.974E-13
3.100E+03	1.727E-12	1.774E-04	2.171E-05	1.304E-05	5.122E-09	1.666E-02	7.359E-01	6.207E-13	1.136E-12
3.200E+03	6.513E-12	1.653E-04	2.620E-05	1.947E-05	6.818E-09	1.817E-02	7.307E-01	1.589E-12	3.040E-12
3.300E+03	1.112E-11	1.563E-04	3.120E-05	2.823E-05	8.403E-09	2.033E-02	7.251E-01	3.007E-12	7.674E-12
3.400E+03	2.606E-11	1.461E-04	3.609E-05	4.023E-05	1.050E-09	3.610E-02	7.183E-01	8.666E-12	1.836E-11
3.500E+03	5.809E-11	1.366E-04	4.261E-05	5.546E-05	1.291E-08	4.532E-02	7.132E-01	1.081E-11	4.180E-11
3.600E+03	1.240E-10	1.257E-04	4.892E-05	5.339E-05	1.505E-08	5.612E-02	7.076E-01	3.909E-11	9.297E-11
3.700E+03	2.561E-10	1.173E-04	5.553E-05	1.006E-04	8.708E-08	8.864E-02	6.898E-01	7.000E-11	1.899E-10
3.800E+03	5.015E-10	1.092E-04	6.237E-05	1.319E-04	2.704E-08	8.284E-02	6.773E-01	1.497E-10	3.013E-10
3.900E+03	9.558E-10	1.015E-04	6.933E-05	1.702E-04	2.564E-08	9.891E-02	6.632E-01	2.781E-10	7.388E-10
4.000E+03	1.764E-09	9.407E-05	7.629E-05	2.118E-04	2.946E-08	1.168E-01	6.475E-01	4.992E-10	1.385E-09
4.100E+03	3.150E-09	6.689E-05	8.312E-05	2.708E-04	3.343E-08	1.366E-01	6.302E-01	8.492E-10	2.916E-09
4.200E+03	5.697E-09	7.995E-05	8.970E-05	3.346E-04	3.747E-08	1.582E-01	6.112E-01	1.470E-09	4.443E-09
4.300E+03	9.321E-09	7.327E-05	9.589E-05	4.078E-04	4.154E-08	1.815E-01	5.908E-01	2.420E-09	7.635E-09
4.400E+03	1.542E-08	6.684E-05	1.016E-04	6.911E-04	5.552E-08	2.056E-01	5.689E-01	3.001E-09	1.278E-08
4.500E+03	2.449E-08	6.068E-05	1.066E-04	5.846E-04	6.934E-08	2.229E-01	5.657E-01	4.077E-09	2.094E-08
4.600E+03	3.946E-08	5.481E-05	1.105E-04	6.881E-04	5.291E-08	2.405E-01	5.214E-01	4.296E-09	3.351E-08
4.700E+03	6.111E-08	4.925E-05	1.145E-04	8.015E-04	5.615E-08	2.589E-01	4.941E-01	1.391E-08	5.251E-08
4.800E+03	9.306E-08	4.640E-05	1.171E-04	6.242E-04	7.989E-08	3.180E-01	4.702E-01	2.040E-08	8.067E-08
4.900E+03	1.339E-07	3.911E-05	1.188E-04	1.056E-03	6.138E-08	3.489E-01	4.437E-01	2.931E-08	1.217E-07
5.000E+03	2.042E-07	3.457E-05	1.197E-04	1.195E-03	6.320E-08	3.792E-01	4.170E-01	4.135E-08	1.082E-07
5.200E+03	4.202E-07	2.657E-05	1.180E-04	4.692E-03	6.553E-08	4.306E-01	3.639E-01	7.002E-08	3.767E-07
5.400E+03	8.166E-07	2.000E-05	1.145E-04	1.807E-03	6.573E-08	4.975E-01	3.126E-01	1.380E-07	7.415E-07
5.600E+03	1.508E-06	1.479E-05	1.078E-04	2.131E-03	6.414E-08	5.513E-01	2.514E-01	2.104E-07	1.381E-06
5.800E+03	2.608E-06	1.077E-05	9.942E-05	2.454E-03	6.112E-08	5.988E-01	2.215E-01	3.652E-07	2.459E-06
6.000E+03	4.505E-06	7.754E-06	9.013E-05	2.769E-03	5.712E-08	6.419E-01	1.836E-01	5.526E-07	4.187E-06
6.200E+03	7.350E-06	5.538E-06	8.057E-05	3.073E-03	5.252E-08	6.777E-01	1.511E-01	8.036E-07	6.857E-06
6.400E+03	1.163E-05	3.934E-06	7.125E-05	3.334E-03	5.767E-08	7.070E-01	1.238E-01	1.128E-06	1.085E-05
6.600E+03	1.707E-05	2.793E-06	6.248E-05	3.616E-03	6.201E-08	7.307E-01	1.017E-01	5.344E-06	1.663E-05
6.800E+03	2.675E-05	1.984E-06	5.465E-05	3.853E-03	8.099E-08	7.493E-01	8.267E-02	2.032E-06	2.479E-05
7.000E+03	3.912E-05	1.412E-06	4.721E-05	4.064E-03	3.362E-08	7.634E-01	6.765E-02	2.228E-06	2.602E-05
7.200E+03	5.603E-05	1.006E-06	4.078E-05	4.264E-03	2.946E-08	7.738E-01	5.559E-02	3.329E-06	5.115E-05
7.400E+03	7.874E-05	2.226E-07	3.512E-05	4.395E-03	2.562E-08	7.811E-01	4.321E-02	1.321E-05	4.338E-04
7.600E+03	1.408E-06	5.262E-07	3.015E-05	5.511E-03	2.212E-08	7.857E-01	3.777E-02	5.768E-06	9.099E-05
7.800E+03	1.479E-06	3.760E-07	2.581E-05	5.591E-03	1.894E-08	7.848E-01	3.139E-02	6.113E-06	1.300E-04
8.000E+03	1.982E-06	2.728E-07	2.040E-05	6.633E-03	1.609E-08	7.888E-01	2.617E-02	7.279E-06	1.714E-04
8.200E+03	2.622E-06	1.947E-07	1.877E-05	6.637E-03	1.355E-08	7.879E-01	2.194E-02	8.568E-06	2.228E-05
8.400E+03	4.421E-06	1.452E-07	1.594E-05	6.604E-03	1.130E-08	7.859E-01	1.850E-02	9.782E-06	2.056E-04
8.600E+03	6.466E-06	1.049E-07	1.350E-05	6.535E-03	9.344E-08	7.832E-01	1.567E-02	1.153E-04	3.618E-04
8.800E+03	7.830E-06	7.226E-07	1.140E-05	4.432E-03	7.655E-09	7.798E-01	1.321E-02	1.321E-05	4.338E-04
9.000E+03	7.130E-06	5.767E-06	9.610E-06	4.300E-03	6.215E-09	7.761E-01	1.144E-02	1.503E-05	6.671E-04
9.200E+03	6.937E-06	4.280E-06	8.048E-06	6.143E-03	5.024E-09	7.723E-01	9.882E-02	1.730E-05	6.908E-04
9.400E+03	1.109E-05	3.190E-06	6.790E-06	3.967E-03	3.999E-09	7.685E-01	8.547E-03	1.914E-05	8.621E-04
9.600E+03	1.366E-05	2.384E-06	5.698E-06	3.776E-03	3.175E-09	7.648E-01	7.648E-03	2.145E-05	1.019E-03
9.800E+03	1.789E-05	2.080E-06	5.708E-06	3.578E-03	2.508E-09	7.614E-01	6.529E-03	2.395E-05	1.274E-03
1.000E+04	2.016E-05	1.350E-06	4.012E-06	3.376E-03	1.973E-09	7.582E-01	5.753E-03	2.665E-05	1.461E-03
1.100E+04	4.724E-05	3.597E-09	1.708E-06	2.438E-03	5.866E-10	7.460E-01	3.251E-03	4.256E-05	3.261E-03
1.200E+04	9.640E-05	1.109E-05	7.755E-07	1.740E-03	1.848E-07	7.362E-01	2.046E-03	6.654E-05	6.477E-03
1.300E+04	1.745E-05	3.874E-05	3.767E-07	1.256E-03	6.307E-11	7.242E-01	1.351E-03	9.534E-05	1.166E-02
1.400E+04	2.446E-05	1.482E-05	1.929E-07	9.222E-04	2.332E-11	7.073E-01	9.244E-04	1.287E-04	1.940E-02
1.500E+04	4.630E-05	6.037E-05	1.017E-07	6.792E-04	9.066E-12	6.841E-01	6.445E-04	1.643E-04	3.016E-02
1.600E+04	6.803E-05	2.506E-05	5.943E-08	6.976E-04	6.517E-12	6.557E-01	4.520E-04	1.989E-04	4.027E-02
1.700E+04	9.480E-05	1.053E-05	2.892E-08	3.593E-04	1.439E-12	6.167E-01	3.159E-04	2.290E-04	6.181E-02
1.800E+04	3.592E-05	3.150E-05	1.513E-08	2.538E-04	5.624E-13	5.721E-01	2.174E-04	2.551E-04	8.257E-02
1.900E+04	1.607E-05	1.745E-05	7.692E-08	1.747E-04	2.126E-13	5.922E-01	1.466E-04	2.617E-04	1.060E-01
2.000E+04	1.973E-05	6.723E-05	3.775E-09	1.616E-04	7.656E-14	6.700E-01	9.689E-05	2.605E-05	1.313E-01
2.100E+04	4.157E-05	2.146E-05	1.789E-09	2.479E-04	5.664E-15	7.400E-01	6.303E-05	2.849E-05	1.717E-01
2.200E+04	2.100E-05								

TABLE II.- Continued

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	7.610E-10	2.491E-01	2.774E-20	0.	0.	0.	0.	0.	1.300E+03
C.	1.792E-16	2.490E-01	2.045E-20	1.340E-31	0.	0.	0.	0.	1.400E+03
0.	2.173E-15	2.490E-01	2.911E-20	1.175E-30	0.	0.	0.	0.	1.500E+03
7.330E-34	3.052E-16	2.497E-01	2.922E-20	7.702E-30	0.	0.	0.	0.	1.600E+03
1.123E-30	2.530E-13	2.497E-01	2.934E-20	4.094E-29	0.	0.	0.	0.	1.700E+03
7.690E-20	1.660E-12	2.498E-01	2.866E-20	1.777E-28	0.	0.	0.	0.	1.800E+03
2.670E-25	9.003E-12	2.498E-01	2.814E-20	6.580E-28	0.	0.	0.	0.	1.900E+03
5.141E-23	6.110E-11	2.498E-01	2.766E-20	2.151E-27	0.	0.	0.	0.	2.000E+03
3.752E-21	1.625E-10	2.498E-01	6.419E-20	1.004E-26	7.420E-29	0.	0.	0.	2.100E+03
5.699E-23	5.676E-13	2.498E-01	2.169E-19	1.332E-25	2.734E-27	0.	0.	0.	2.200E+03
4.903E-15	1.770E-09	2.498E-01	1.264E-18	1.935E-24	5.369E-26	0.	0.	0.	2.300E+02
3.648E-18	5.368E-10	2.498E-01	6.899E-18	2.344E-23	7.891E-25	0.	0.	0.	2.400E+03
2.070E-17	1.329E-08	2.497E-01	3.239E-17	2.349E-22	9.290E-24	0.	0.	0.	2.500E+02
1.075E-16	3.230E-08	2.496E-01	1.353E-16	1.975E-21	9.031E-23	0.	0.	0.	2.600E+03
4.921E-16	7.347E-08	2.494E-01	5.096E-16	1.420E-20	7.402E-22	0.	0.	0.	2.700E+03
2.018E-15	1.580E-07	2.491E-01	1.749E-15	6.887E-20	5.224E-21	0.	0.	0.	2.800E+03
7.500E-15	3.263E-07	2.488E-01	5.520E-15	6.968E-19	3.216E-20	0.	0.	0.	2.900E+03
2.549E-14	6.312E-07	2.484E-01	1.617E-14	2.422E-16	1.751E-19	0.	0.	0.	3.000E+03
7.992E-16	1.177E-06	2.479E-01	4.624E-16	1.040E-17	8.536E-19	0.	0.	0.	3.100E+03
2.320E-13	2.111E-06	2.472E-01	1.139E-13	4.392E-17	3.763E-18	0.	0.	0.	3.200E+03
6.334E-13	3.653E-06	2.466E-01	2.771E-13	1.643E-16	1.514E-17	0.	0.	0.	3.300E+03
1.620E-12	6.120E-06	2.454E-01	6.407E-13	5.693E-16	5.603E-17	0.	0.	0.	3.400E+02
3.938E-12	9.956E-06	2.443E-01	1.614E-12	1.840E-15	1.920E-16	0.	0.	0.	3.500E+03
9.055E-13	1.575E-05	2.429E-01	2.985E-12	5.580E-15	6.136E-16	0.	0.	0.	3.600E+03
1.905E-11	2.431E-05	2.413E-01	6.076E-12	1.546E-14	1.437E-15	0.	0.	0.	3.700E+03
4.161E-11	3.465E-05	2.395E-01	1.191E-11	6.322E-14	5.102E-15	0.	0.	0.	3.800E+02
6.369E-11	5.408E-05	2.375E-01	2.257E-11	1.114E-13	1.383E-14	0.	0.	0.	3.900E+03
1.620E-10	7.625E-05	2.352E-01	4.145E-11	2.741E-13	3.505E-14	0.	0.	0.	4.000E+03
3.024E-10	1.111E-04	2.327E-01	7.398E-11	6.462E-13	8.470E-14	0.	0.	0.	4.100E+03
5.458E-10	1.555E-04	2.299E-01	1.245E-10	1.464E-12	1.958E-13	0.	0.	0.	4.200E+03
9.543E-10	2.128E-04	2.269E-01	2.177E-10	3.118E-12	4.342E-13	0.	0.	0.	4.300E+03
1.620E-09	2.870E-04	2.237E-01	3.604E-10	6.768E-12	9.261E-13	0.	0.	0.	4.400E+03
4.673E-06	3.436E-04	2.203E-01	5.837E-10	1.379E-11	1.905E-12	0.	0.	0.	4.500E+03
4.295E-09	5.352E-04	2.167E-01	9.244E-10	2.738E-11	2.788E-12	0.	0.	0.	4.600E+03
6.732E-09	6.564E-04	2.130E-01	1.443E-09	5.270E-11	7.273E-12	0.	0.	0.	4.700E+03
1.330E-08	8.460E-04	2.094E-01	2.207E-09	9.920E-11	1.359E-11	0.	0.	0.	4.800E+03
1.542E-08	1.073E-03	2.651E-01	3.322E-09	1.619E-10	2.478E-11	0.	0.	0.	4.900E+03
2.259E-04	1.359E-03	2.011E-01	4.922E-09	3.261E-10	6.385E-11	0.	0.	0.	5.000E+03
4.570E-06	2.080E-03	1.930E-01	1.036E-08	6.830E-10	1.277E-10	0.	0.	0.	5.100E+03
8.600E-08	3.090E-03	1.849E-01	2.012E-08	2.751E-09	3.403E-10	0.	0.	0.	5.200E+03
1.517E-07	4.484E-03	1.772E-01	3.965E-08	7.187E-09	8.390E-10	0.	0.	0.	5.300E+03
2.529E-07	6.322E-03	1.690E-01	7.292E-08	1.767E-08	1.929E-09	0.	0.	0.	5.400E+03
4.007E-07	8.710E-03	1.629E-01	1.294E-07	4.115E-08	4.117E-09	0.	0.	0.	5.500E+03
6.075E-07	1.175E-02	1.564E-01	2.222E-07	9.112E-08	9.532E-09	1.119E-25	0.	0.	6.200E+02
8.602E-07	1.556E-02	1.502E-01	3.649E-07	9.927E-07	1.661F-06	9.546E-25	0.	0.	6.400E+02
1.250E-06	2.026E-02	1.442E-01	5.981E-07	3.903E-07	3.090E-08	9.902E-24	0.	0.	6.600E+02
1.714E-06	2.590E-02	1.382E-01	9.400E-07	7.596E-07	5.519E-08	4.659E-23	0.	0.	6.800E+02
2.254E-06	3.261E-02	1.321E-01	1.437E-06	1.423E-06	9.493E-08	2.596E-22	0.	0.	7.000E+02
2.994E-06	4.145E-02	1.256E-01	2.136E-06	2.572E-06	1.577E-07	1.371E-21	0.	0.	7.200E+02
3.839E-06	6.944E-02	1.192E-01	3.091E-06	4.492E-06	2.936E-07	6.609E-21	0.	0.	7.400E+02
4.838E-06	9.595E-02	1.123E-01	4.354E-06	7.595E-06	3.957E-07	2.927E-20	0.	0.	7.600E+02
6.070E-06	7.375E-02	1.049E-01	5.970E-06	1.245E-05	5.999E-07	1.197E-19	0.	0.	7.800E+02
7.355E-06	8.280E-02	9.720E-02	7.973E-06	1.900E-05	8.051E-07	4.541E-19	0.	0.	8.000E+02
8.856E-05	9.577E-02	9.421E-02	1.037E-05	3.062E-05	1.272E-06	1.660E-18	0.	0.	8.200E+02
1.046E-05	1.042E-01	8.104E-02	8.314E-05	6.009E-05	1.764E-06	5.314E-18	0.	0.	8.400E+02
1.260E-05	1.229E-01	7.242E-02	1.624E-05	6.758E-05	2.444E-06	1.653E-17	0.	0.	8.600E+02
1.679E-05	1.363E-01	6.470E-02	1.957E-05	6.668E-05	3.271E-06	4.849E-17	0.	0.	8.800E+02
1.721E-05	1.498E-01	5.685E-02	2.303E-05	1.351E-04	4.285E-06	1.347E-16	0.	0.	9.000E+02
1.948E-04	1.626E-01	4.940E-02	2.668E-05	1.847E-04	5.499E-06	2.553E-16	0.	0.	9.200E+02
2.279E-05	1.742L-01	4.249E-02	2.980E-05	2.474E-04	6.921E-06	6.934E-16	0.	0.	9.400E+02
2.559E-05	1.850E-01	3.620E-02	3.292E-05	3.251E-04	8.555E-06	2.140E-15	0.	0.	9.600E+02
2.949E-05	1.956E-01	3.059E-01	3.946E-05	4.179E-04	1.040E-05	9.956E-15	0.	0.	9.800E+02
3.310E-05	2.04L-01	2.567E-02	3.810E-05	5.322E-C4	1.265E-05	1.10CE-14	0.	0.	1.000E+03
5.264E-05	2.285E-01	1.014E-02	4.443E-05	4.536E-03	2.950E-05	3.642E-13	0.	0.	1.100E+04
8.339E-05	2.364E-01	4.049E-03	4.436E-05	3.183E-03	4.243E-05	6.46CE-12	0.	0.	1.200E+04
1.176E-04	2.350E-01	1.731E-03	4.161E-05	0.031E-03	0.200E-05	7.293E-11	0.	0.	1.300E+04
1.526E-04	2.303E-01	7.952E-04	3.760E-05	1.031E-02	8.241E-05	5.830E-10	3.501E-24	0.	1.400E+04
1.857E-04	2.211E-01	3.673E-04	3.347E-05	1.623E-02	1.014E-04	9.545E-09	2.233E-22	0.	1.500E+04
2.111E-04	2.348E-01	1.965E-04	2.884E-05	2.387E-02	1.164E-04	1.727E-08	8.654E-21	0.	1.600E+04
2.315E-04	1.927E-01	1.022E-04	2.416E-05	3.310E-02	.755E-04	7.007E-08	2.229E-19	0.	1.700E+04
2.716E-04	1.746E-01	5.376E-05	1.958E-05	4.357E-02	1.275E-04	2.439E-07	4.094E-18	0.	1.800E+04
2.336E-04	1.540E-01	9.627E-05	1.933E-05	9.476E-02	1.225E-04	7.661E-07	5.669E-17	0.	1.900E+04
2.180E-04	1.345E-01	1.476E-05	1.006E-05	6.04E-02	1.117E-04	2.044E-06	6.171E-16	0.	2.000E+04
1.945E-04	1.145E-01	7.622E-06	8.488E-06	7.678E-02	9.711E-05	9.069E-06	5.464E-15	0.	2.100E+04
1.666E-04	9.591E-02	1.556E-06	6.031E-06	6.650E-02	0.097E-03	1.172E-05	4.391E-14	0.	2.200E+04
1.377E-04	7.925E-02	1.973E-06	4.185E-06	9.488E-02	0.920E-05	2.921E-05	2.622E-13	0.	2.300E+04
1.105E-04	6.488E-02	9.958E-07	2.854E-06	1.018E-01	5.109E-05	5.067E-05	1.472E-12	0.	2.400E+04
8.649E-05	5.284E-02	9.032E-07	1.926E-06	1.072E-01	3.929E-05	9.699E-05	7.347E-12	0.	2.500E+04
6.719E-05	4.298E-02	2.962E-07	1.294E-06	1.115E-01	2.976E-05	1.773E-06	3.303E-11	0.	2.600E+04
5.147E-05	3.522E-02	1.323E-07	8.698E-07	1.146E-01	2.242E-03	3.111E-06	1.351E-10	0.	2.700E+04
3.929E-05	2.665E-02	6.912E-06	5.873E-07	1.159E-01	1.685E-05	5.263E-04	5.073E-10	0.	2.800E+04
3.332E-05	2.356E-02	3.642E-06	3.993E-07	1.184E-01	1.269E-05	8.613E-04	1.761E-09	0.	2.900E+04
2.308E-05	1.950E-02	1.995E-06	2.736E-07	1.193E-01	9.568E-06	1.367E-03	5.652E-05	0.	3.000E+04
1.745E-05	1.624E-02	1.104E-06	1.850E-07	1.196E-01	7.282E-06	2.108E-03	1.713E-08	0.	3.100E+04
1.339E-05	1.359E-02	6.203E-06	1.314E-06	1.193E-01	5.563E-06	3.162E-03	6.849E-08	0.	3.200E+04
1.105E-05	1.143E-02	5.589E-06	9.190E-06	1.184E-01	4.273E-06	4.621E-03	1.292E-07	0.	3.300E+04
8.668E-06	9.644E-07	2.042E-09	8.446E-06	1.167E-01	3.299E-06	6.380E-03	3.253E-07	0.	3.400E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.730E-01	9.159E-20	2.419E-14	6.853E-08	4.790E-21	5.380E-02	6.069E-08	1.526E-05	3.610E-01
3.600E+04	4.707E-01	3.748E-20	1.220E-14	6.401E-08	1.854E-21	4.811E-02	3.992E-08	1.238E-05	3.429E-01
3.700E+04	4.686E-01	1.571E-20	6.254E-15	2.045E-08	7.296E-22	4.327E-02	2.666E-08	1.010E-05	3.440E-01
3.800E+04	4.665E-01	6.731E-21	3.250E-15	1.864E-08	2.910E-22	3.911E-02	1.804E-08	8.280E-06	3.445E-01
3.900E+04	4.644E-01	2.939E-21	1.739E-15	1.705E-08	1.173E-22	3.551E-02	1.240E-08	6.835E-06	3.445E-01
4.000E+04	4.623E-01	1.306E-21	9.078E-16	7.874E-09	4.760E-23	3.239E-02	8.632E-09	5.668E-06	3.439E-01
4.100E+04	5.033E-01	5.891E-22	4.865E-16	5.150E-09	1.942E-23	2.966E-02	6.084E-09	4.724E-06	3.431E-01
4.200E+04	5.077E-01	2.696E-22	2.628E-16	3.371E-09	7.953E-24	2.725E-02	4.339E-09	3.961E-06	3.419E-01
4.300E+04	5.123E-01	1.250E-22	1.430E-16	2.208E-09	3.269E-24	2.513E-02	3.130E-09	3.338E-06	3.406E-01
4.400E+04	5.167E-01	5.874E-23	7.036E-17	1.467E-09	7.296E-25	2.324E-02	2.203E-09	2.828E-06	3.393E-01
4.500E+04	5.207E-01	2.795E-23	4.326E-17	9.492E-10	5.588E-25	2.155E-02	1.682E-09	2.400E-06	3.379E-01
4.600E+04	5.245E-01	1.367E-23	2.407E-17	6.239E-10	2.320E-25	2.004E-02	1.252E-09	2.061E-06	3.366E-01
4.700E+04	5.280E-01	6.579E-24	1.350E-17	4.111E-10	9.768E-26	1.868E-02	9.403E-10	1.773E-06	3.353E-01
4.800E+04	5.312E-01	3.259E-24	7.631E-18	2.710E-10	4.131E-26	1.746E-02	7.127E-10	1.532E-06	3.341E-01
4.900E+04	5.341E-01	1.632E-24	4.356E-10	1.809E-10	1.769E-26	1.635E-02	5.448E-10	1.331E-06	3.320E-01
5.000E+04	5.368E-01	8.290E-25	2.509E-10	1.202E-10	7.602E-27	1.534E-02	4.199E-10	1.160E-06	3.320E-01

P/PO = 1.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.675E-01	1.363E-20	3.758E-35	2.104E-20	2.475E-22	1.744E-01	1.497E-18	8.437E-22
6.000E+02	0.	6.789E-01	3.416E-17	4.693E-29	4.431E-24	2.456E-19	3.908E-01	1.246E-18	5.529E-21
7.000E+02	0.	2.261E-01	6.879E-15	8.058E-25	3.651E-21	1.634E-15	5.804E-01	1.025E-18	5.804E-21
8.000E+02	0.	9.662E-02	2.933E-13	1.240E-21	4.177E-19	2.023E-13	6.792E-01	5.047E-19	1.192F-20
9.000E+02	0.	4.128E-02	4.875E-12	3.249E-19	1.453E-17	8.394E-12	7.190E-01	8.453E-19	2.232F-20
1.000E+03	0.	2.310E-02	4.427E-11	2.728E-17	2.366E-16	1.646E-10	7.39E-01	8.089E-19	3.764E-20
1.100E+03	0.	1.391E-02	2.644E-10	1.015E-15	2.279E-15	1.883E-09	7.410E-01	7.775E-19	5.846F-20
1.200E+03	0.	6.500E-03	1.165E-09	2.063E-14	1.534E-14	1.640E-08	7.451E-01	7.470E-19	8.359E-20
1.300E+03	0.	4.179E-03	6.049E-09	2.626E-13	7.411E-14	8.078E-08	7.469E-01	7.145F-19	1.122F-19
1.400E+03	0.	2.059E-03	1.186E-08	2.327E-12	2.914E-13	3.553E-07	7.479E-01	6.818E-19	1.432E-19
1.500E+03	0.	2.059E-03	2.959E-08	1.541E-11	9.568E-13	1.286E-06	7.488E-01	6.448E-19	1.753E-19
1.600E+03	0.	1.566E-03	6.731E-08	6.053E-11	2.715E-12	3.972E-06	7.488E-01	6.155E-19	2.076E-19
1.700E+03	6.467E-28	1.202E-03	1.375E-07	3.465E-10	6.834E-12	1.077E-05	7.491E-01	5.836E-19	2.392E-19
1.800E+03	2.783E-25	9.630E-04	2.594E-07	1.268E-09	1.556E-11	2.616E-05	7.493E-01	5.511E-19	2.699E-19
1.900E+03	6.415E-23	7.906E-04	4.577E-07	4.044E-09	3.257E-11	5.798E-05	7.494E-01	5.245E-19	2.909E-19
2.000E+03	6.602E-21	6.629E-04	7.630E-07	1.151E-08	6.365E-11	1.186E-04	7.494E-01	5.027E-19	3.294E-19
2.100E+03	4.750E-19	5.660E-04	1.211E-06	2.962E-08	1.162E-10	2.276E-06	7.495E-01	7.392E-19	5.497E-19
2.200E+03	5.622E-18	4.907E-04	1.844E-06	6.995E-09	2.010E-10	4.113E-04	7.493E-01	3.447E-18	2.075F-10
2.300E+03	3.811E-17	4.312E-04	2.707E-06	1.533E-07	3.365E-10	7.067E-04	7.491E-01	1.985E-17	1.838E-17
2.400E+03	2.113E-16	3.883E-04	3.887E-06	3.148E-07	1.617E-09	1.617E-02	7.487E-01	1.035F-16	1.055F-16
2.500E+03	1.218E-15	3.443E-04	5.313E-06	6.100E-07	8.167E-10	1.834E-03	7.481E-01	4.772E-16	5.309F-16
2.600E+03	4.399E-15	3.117E-04	7.156E-06	1.123E-06	1.213E-09	2.799E-03	7.473E-01	1.961E-15	2.366E-15
2.700E+03	1.672E-14	2.843E-04	9.421E-06	1.977E-06	1.752E-09	4.139E-03	7.462E-01	7.268E-15	9.455E-15
2.800E+03	5.830E-14	2.610E-04	1.215E-05	3.133E-06	2.463E-09	5.954E-03	7.446E-01	2.457E-14	3.627E-14
2.900E+03	1.882E-13	2.408E-04	1.539E-05	5.446E-06	3.383E-09	8.352E-03	7.425E-01	7.645E-14	1.138E-13
3.000E+03	5.607E-13	2.232E-04	1.916E-05	8.571E-06	4.545E-09	1.145E-02	7.398E-01	2.270E-13	3.494E-13
3.100E+03	1.559E-12	2.375E-04	2.340E-05	1.310E-05	5.987E-09	1.578E-02	7.364E-01	5.958E-13	9.988E-14
3.200E+03	4.069E-12	1.935E-04	2.837E-05	1.949E-05	7.762E-09	2.027E-02	7.321E-01	1.512E-12	2.676E-12
3.300E+03	1.033E-11	1.807E-04	3.301E-05	2.822E-05	9.833E-09	2.626E-02	7.296E-01	3.627E-12	4.761E-12
3.400E+03	2.348E-11	1.690E-04	3.978E-05	6.009E-05	1.230E-08	3.364E-02	7.205E-01	8.266E-12	1.619E-11
3.500E+03	5.235E-11	1.581E-04	6.625E-05	5.562E-05	1.515E-08	4.204E-02	7.130E-01	1.796E-11	3.688E-11
3.600E+03	1.117E-10	1.479E-04	5.316E-05	7.505E-05	2.013E-08	5.208E-02	7.042E-01	3.737E-11	8.033E-11
3.700E+03	2.284E-10	1.303E-04	6.043E-05	1.010E-04	2.230E-08	6.170E-02	6.941E-01	7.448E-11	1.670E-10
3.800E+03	4.517E-10	1.291E-04	6.798E-05	1.326E-04	2.598E-08	7.698E-02	6.824E-01	1.437E-10	3.372E-10
3.900E+03	8.608E-10	1.203E-04	7.570E-05	1.713E-04	3.030E-08	9.199E-02	6.693E-01	2.671E-10	6.499E-10
4.000E+03	1.588E-09	1.108E-04	8.367E-05	2.179E-04	3.489E-08	1.088E-01	6.546E-01	4.833E-10	1.227E-09
4.100E+03	2.644E-09	1.036E-04	7.116E-05	2.732E-04	3.970E-08	1.273E-01	6.383E-01	8.378E-10	2.231E-09
4.200E+03	4.952E-09	9.589E-05	9.806E-05	3.379E-04	4.465E-08	1.476E-01	6.235E-01	1.470E-09	3.947E-09
4.300E+03	8.395E-09	8.605E-05	1.058E-04	4.127E-04	4.985E-08	1.695E-01	6.112E-01	3.247E-09	6.783E-09
4.400E+03	1.390E-08	8.070E-05	1.124E-04	4.700E-04	5.661E-08	4.175E-01	3.831E-01	3.767E-09	1.138E-08
4.500E+03	2.249E-08	7.363E-05	1.184E-04	5.939E-04	5.942E-08	2.181E-01	5.580E-01	5.912E-09	1.864E-08
4.600E+03	3.586E-08	6.686E-05	1.236E-04	7.006E-04	6.398E-08	2.644E-01	5.359E-01	9.070E-09	2.988E-08
4.700E+03	5.523E-08	6.036E-05	1.281E-04	8.174E-04	6.821E-08	2.719E-01	5.113E-01	1.361E-08	4.686E-08
4.800E+03	8.407E-08	5.433E-05	1.316E-04	4.453E-04	7.200E-08	3.302E-01	4.864E-01	2.002E-08	7.208E-08
4.900E+03	1.257E-07	4.866E-05	1.361E-04	1.002E-03	7.525E-08	3.292E-01	4.009E-01	2.887E-08	1.040E-07
5.000E+03	6.146E-07	4.329E-05	1.397E-04	1.228E-03	7.802E-08	3.586E-01	4.351E-01	4.066E-08	1.614E-07
5.200E+03	3.809E-07	3.373E-05	1.359E-04	1.542E-03	8.166E-08	4.175E-01	3.831E-01	7.769E-08	3.304E-07
5.400E+03	7.416E-07	2.379E-05	1.329E-04	1.870E-03	8.292E-08	4.794E-01	3.323E-01	1.335E-07	6.601E-07
5.600E+03	1.372E-06	1.936E-05	1.261E-04	2.226E-03	6.169E-08	5.290E-01	2.843E-01	2.331E-07	1.250E-06
5.800E+03	2.425E-06	1.432E-05	1.175E-04	2.577E-03	7.867E-08	5.786E-01	2.404E-01	3.724E-07	2.229E-06
6.000E+03	4.116E-06	1.046E-05	1.075E-04	2.922E-03	7.424E-08	6.220E-01	2.011E-01	5.681E-07	3.806E-06
6.200E+03	6.735E-06	7.573E-06	9.702E-05	3.255E-03	6.888E-08	6.596E-01	1.670E-01	8.327E-07	6.251E-06
6.400E+03	1.067E-05	5.450E-06	8.651E-05	3.571E-03	6.304E-08	6.911E-01	1.300E-01	1.715E-06	9.914E-06
6.600E+03	1.641E-05	3.911E-06	7.643E-05	3.864E-03	5.703E-08	7.169E-01	1.134E-01	1.609E-06	1.524E-05
6.800E+03	2.459E-05	2.035E-06	6.705E-05	4.132E-03	5.110E-08	7.375E-01	9.345E-02	2.162E-06	2.776E-05
7.000E+03	3.599E-05	2.014E-06	5.850E-05	4.373E-03	4.541E-08	7.536E-01	7.690E-02	2.703E-06	3.313E-05
7.200E+03	5.159E-05	1.430E-06	5.082E-05	4.583E-03	4.004E-08	7.657E-01	6.340E-02	5.541E-06	4.712E-05
7.400E+03	7.254E-05	1.047E-06	4.339E-05	4.759E-03	2.554E-08	7.745E-01	5.241E-02	4.642E-06	6.561E-05
7.600E+03	1.002E-06								

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
7.213E-06	8.149E-03	1.189E-05	4.523E-08	1.143E-01	2.556E-06	9.134E-03	7.751E-07	2.035E-14	3.500E+04
5.949E-06	6.885E-03	6.961E-10	3.165E-08	1.111E-01	1.985E-06	1.230E-02	1.752E-06	5.760E-14	3.600E+04
4.976E-06	5.807E-03	4.083E-10	2.203E-08	1.070E-01	1.544E-06	1.630E-02	3.764E-06	4.274E-13	3.700E+04
4.217E-06	4.881E-03	2.393E-10	1.520E-08	1.020E-01	1.200E-06	2.096E-02	7.698E-06	1.718E-12	3.800E+04
3.620E-06	4.084E-03	1.398E-10	1.038E-08	9.428E-02	9.308E-07	2.628E-02	1.502E-05	6.367E-12	3.900E+04
3.143E-06	3.394E-03	8.100E-11	7.005E-09	8.987E-02	7.198E-07	3.215E-02	2.801E-05	2.186E-11	4.000E+04
2.759E-06	2.409E-03	4.663E-11	4.664E-09	8.298E-02	9.594E-07	3.861E-02	5.005E-05	6.985E-11	4.100E+04
2.445E-06	2.304E-03	2.662E-11	3.066E-09	7.580E-02	4.253E-07	4.487E-02	5.904E-05	2.088E-10	4.200E+04
2.185E-06	1.881E-03	1.560E-11	1.987E-09	6.856E-02	3.248E-07	5.134E-02	1.422E-04	5.865E-10	4.300E+04
1.967E-06	1.525E-03	8.477E-12	1.274E-09	6.166E-02	4.669E-07	5.762E-02	2.273E-04	1.556E-09	4.400E+04
1.782E-06	1.230E-03	4.730E-12	6.091E-10	5.467E-02	1.870E-07	6.357E-02	3.521E-04	3.914E-09	4.500E+04
1.624E-06	9.675E-06	2.635E-12	5.096E-10	4.830E-02	1.612E-07	6.905E-02	5.301E-04	5.383F-09	4.600E+04
1.487E-06	7.499E-06	1.661E-12	3.191E-10	6.245E-02	1.046E-07	7.398E-02	7.776E-04	2.151E-08	4.703E+04
1.368E-06	6.301E-06	8.098E-13	1.989E-10	3.715E-02	8.004E-08	7.831E-02	1.114E-03	4.733E-08	4.800E+04
1.262E-06	5.317E-06	4.489E-13	1.237E-10	3.240E-02	6.018E-06	8.200E-02	1.561E-03	1.002E-07	4.900E+04
1.169E-06	3.991E-06	2.493E-13	7.688E-11	2.819E-02	4.525E-08	8.506E-02	2.146E-03	2.050E-07	5.000E+04

P/PD = 1.40E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	5.614E-02	7.137E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.303E-01	1.073E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.435E-01	1.340E-20	0.	0.	0.	0.	0.	7.000E+02
0.	0.	7.292E-30	2.264E-01	1.610E-20	0.	0.	0.	0.	8.000E+02
0.	0.	2.120E-26	2.397E-01	1.908E-20	0.	0.	0.	0.	9.000E+02
0.	0.	1.244E-23	2.455E-01	2.198E-20	0.	0.	0.	0.	1.000E+03
0.	0.	2.293E-21	2.473E-01	2.452E-20	0.	0.	0.	0.	1.100E+03
0.	0.	1.774E-19	2.484E-01	2.655E-20	0.	0.	0.	0.	1.200E+03
0.	0.	7.051E-18	2.490E-01	2.805E-20	0.	0.	0.	0.	1.300E+03
0.	0.	1.659E-16	2.493E-01	2.905E-20	1.258E-21	0.	0.	0.	1.400E+03
0.	0.	2.567E-15	2.495E-01	2.960E-20	1.106E-30	0.	0.	0.	1.500E+03
6.653E-34	2.825E-14	2.496E-01	2.979E-20	7.347E-30	0.	0.	0.	0.	1.600E+03
1.316E-30	2.349E-13	2.497E-01	2.970E-20	3.876E-25	0.	0.	0.	0.	1.700E+03
6.461E-28	1.564E-12	2.498E-01	2.939E-20	1.669E-28	0.	0.	0.	0.	1.800E+03
2.404E-25	8.333E-12	2.498E-01	2.893E-20	6.264E-28	0.	0.	0.	0.	1.900E+03
6.427E-23	3.805E-11	2.498E-01	2.866E-20	2.049E-27	0.	0.	0.	0.	2.000E+03
5.538E-21	1.504E-10	2.498E-01	4.338E-20	9.144E-27	6.996E-29	0.	0.	0.	2.100E+03
5.364E-20	5.253E-19	2.498E-01	2.076E-19	1.170E-25	2.669E-27	0.	0.	0.	2.200E+03
4.688E-19	1.646E-19	2.498E-01	1.223E-18	1.692E-24	5.264E-26	0.	0.	0.	2.300E+03
3.420E-18	4.692E-19	2.498E-01	6.516E-18	2.052E-23	7.735E-25	0.	0.	0.	2.400E+03
2.033E-17	1.231E-18	2.497E-01	3.061E-17	2.056E-22	9.099E-24	0.	0.	0.	2.500E+03
1.250E-16	2.496E-18	2.496E-01	1.280E-16	1.730E-21	8.038E-23	0.	0.	0.	2.600E+03
4.845E-16	6.857E-18	2.494E-01	4.826E-16	1.245E-20	7.245E-22	0.	0.	0.	2.700E+03
1.973E-15	1.471E-17	2.492E-01	1.657E-15	7.797E-20	5.105E-21	0.	0.	0.	2.800E+03
7.325E-15	3.002E-15	2.489E-01	5.236E-15	4.309E-19	3.140E-20	0.	0.	0.	2.900E+03
2.648E-14	5.845E-07	2.485E-01	1.535E-14	2.12dE-18	1.709E-19	0.	0.	0.	3.000E+03
7.799E-14	1.390E-06	2.480E-01	4.233E-14	9.495E-18	8.326E-19	0.	0.	0.	3.100E+03
2.271E-13	1.955E-06	2.474E-01	1.082E-13	3.864E-17	3.669E-18	0.	0.	0.	3.200E+03
6.188E-13	3.348E-06	2.466E-01	2.636E-13	1.466E-16	1.476E-17	0.	0.	0.	3.300E+03
1.566E-12	5.670E-06	2.457E-01	6.099E-13	5.015E-16	5.459E-17	0.	0.	0.	3.400E+03
3.461E-12	9.223E-06	2.447E-01	1.367E-12	1.622E-15	1.871E-16	0.	0.	0.	3.500E+03
8.834E-12	1.460E-05	2.434E-01	2.850E-12	4.920E-15	5.977E-16	0.	0.	0.	3.600E+03
1.517E-11	2.253E-11	2.419E-01	5.796E-12	1.407E-14	1.790E-15	0.	0.	0.	3.700E+03
4.063E-11	3.398E-05	2.402E-01	1.137E-11	3.814E-14	5.049E-15	0.	0.	0.	3.800E+03
8.179E-11	5.016E-11	2.383E-01	9.832E-11	9.832E-14	1.348E-14	0.	0.	0.	3.900E+03
1.044E-10	7.258E-05	2.362E-01	3.962E-11	2.420E-13	3.417E-14	0.	0.	0.	4.000E+03
2.961E-10	1.031E-10	2.338E-01	7.075E-11	5.707E-13	8.261E-14	0.	0.	0.	4.100E+03
5.551E-10	1.639E-06	2.312E-01	1.23CE-10	1.294E-12	1.911E-13	0.	0.	0.	4.200E+03
9.371E-10	1.977E-04	2.284E-01	2.085E-10	2.825E-12	4.240E-13	0.	0.	0.	4.300E+03
1.553E-09	2.075E-09	2.254E-01	3.453E-10	5.663F-12	9.051E-13	0.	0.	0.	4.400E+03
2.633E-08	3.566E-04	2.222E-01	5.594E-10	1.219E-11	1.863E-12	0.	0.	0.	4.500E+03
4.242E-09	6.699E-04	2.187E-01	8.883E-10	2.418E-11	3.705E-12	0.	0.	0.	4.600E+03
6.666E-09	6.112E-04	2.152E-01	1.304E-09	4.663E-11	7.150E-12	0.	0.	0.	4.700E+03
1.023E-08	7.853dE-08	2.114E-01	2.116E-09	8.763E-11	1.332E-11	0.	0.	0.	4.800E+03
1.535E-08	9.995E-04	3.147E-07	1.607E-10	2.434E-11	0.	0.	0.	0.	4.900E+03
2.295E-08	1.258E-03	2.037E-01	4.723E-09	6.679E-10	4.313E-11	0.	0.	0.	5.000E+03
4.550E-08	1.940E-03	1.958E-01	9.748E-09	6.676E-10	1.259E-10	0.	0.	0.	5.200E+03
8.698E-08	2.392E-03	1.876E-01	1.997E-08	2.422E-09	3.366E-10	0.	0.	0.	5.400E+03
1.266E-07	4.186E-03	1.801E-01	3.779E-08	0.319E-09	8.314E-10	0.	0.	0.	5.600E+03
2.554E-07	5.920E-03	1.727E-01	6.970E-08	1.551E-08	1.916E-09	0.	0.	0.	5.800E+03
4.135E-07	8.132E-03	1.657E-01	1.235E-07	3.604E-08	3.019E-09	0.	0.	0.	6.000E+03
6.314E-07	1.097E-02	1.590E-01	2.116E-07	7.967E-08	8.525E-09	9.575E-26	0.	0.	6.200E+03
9.265E-07	1.453E-02	1.527E-01	3.517E-07	1.628E-07	1.658E-08	7.791E-25	0.	0.	6.400E+03
1.314E-06	1.890E-02	1.466E-01	5.679E-07	3.403E-07	3.090E-06	5.617E-24	0.	0.	6.600E+03
1.803E-06	2.418E-02	1.406E-01	8.918E-07	6.615E-07	5.526E-08	3.622E-23	0.	0.	6.800E+03
2.426E-06	3.007E-02	1.345E-01	1.363E-06	1.239E-06	9.519E-08	2.105E-22	0.	0.	7.000E+03
3.132E-06	3.7d2E-02	1.283E-01	2.028E-06	2.239E-06	1.584E-07	1.111E-21	0.	0.	7.200E+03
4.091E-06	4.627E-02	1.218E-01	2.935E-06	3.912E-06	2.551E-07	9.359E-21	0.	0.	7.400E+03
5.168E-06	5.382E-02	1.150E-01	4.150E-06	6.623E-06	3.988E-07	2.373E-20	0.	0.	7.600E+03
6.427E-06	6.642E-02	1.079E-01	5.709E-06	1.648E-05	8.059E-07	9.714E-20	0.	0.	7.800E+03
7.883E-06	7.790E-02	1.004E-01	7.655E-06	1.732E-05	8.963E-07	3.692E-19	0.	0.	8.000E+03
9.549E-06	9.336E-02	9.262E-02	1.001E-05	2.605E-05	1.292E-06	1.3C0E-18	0.	0.	8.200E+03
1.144E-05	1.033E-01	8.463E-02	1.277E-05	4.052E-05	1.817E-06	4.362E-18	0.	0.	8.400E+03
1.358E-05	1.1n6E-01	7.655E-02	1.586E-05	5.961E-05	2.496E-06	1.354E-17	0.	0.	8.600E+03
1.592E-05	1.300E-01	6.851E-02	1.925E-05	8.557E-05	3.354E-06	3.987E-17	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	6.587E-04	8.802E-08	1.252E-05	4.800E-03	9.036E-09	7.765E-01	1.337E-02	1.630E-05	5.224E-04
9.200E+03	8.268E-04	6.558E-08	1.058E-05	4.663E-03	7.340E-09	7.730E-01	1.153E-02	1.845E-05	6.422E-04
9.400E+03	1.023E-03	4.901E-08	8.931E-06	4.467E-03	5.916E-09	7.694E-01	9.994E-03	2.078E-05	7.828E-04
9.600E+03	1.259E-03	3.678E-08	7.527E-06	4.270E-03	6.737E-09	7.650E-01	8.713E-03	2.329E-05	9.470E-04
9.800E+03	1.536E-03	2.772E-08	6.340E-06	4.062E-03	3.771E-09	7.624E-01	7.637E-03	2.600E-05	1.138E-03
1.000E+04	1.860E-03	2.100E-08	5.340E-06	3.847E-03	2.989E-09	7.592E-01	6.730E-03	2.893E-05	1.358E-03
1.100E+04	4.368E-03	5.669E-08	2.305E-06	2.417E-03	9.136E-10	7.468E-01	3.834E-03	4.720E-05	3.026E-03
1.200E+04	8.922E-03	1.762E-09	1.055E-06	2.025E-03	2.909E-10	7.372E-01	2.393E-03	7.298E-05	6.002E-03
1.300E+04	1.635E-02	6.198E-10	5.154E-07	1.472E-03	1.007E-10	7.259E-01	1.584E-03	1.034E-04	1.082E-02
1.400E+04	2.769E-02	2.391E-10	2.654E-07	1.085E-03	3.763E-11	7.101E-01	1.087E-03	1.398E-04	1.800E-02
1.500E+04	4.301E-02	9.805E-11	1.413E-07	8.039E-04	1.482E-11	6.815E-01	7.617E-04	1.792E-04	2.801E-02
1.600E+04	6.332E-02	4.155E-11	7.639E-08	5.937E-04	5.999E-12	6.602E-01	5.370E-04	2.180E-04	4.117E-02
1.700E+04	8.646E-02	1.777E-11	4.127E-08	4.332E-04	2.446E-12	6.250E-01	3.788E-04	2.525E-04	5.760E-02
1.800E+04	1.180E-01	7.521E-12	2.198E-08	3.099E-04	9.783E-13	5.834E-01	2.633E-04	2.787E-04	7.713E-02
1.900E+04	1.509E-01	3.103E-12	1.142E-08	2.161E-04	3.811E-13	5.366E-01	1.806E-04	2.936E-04	9.932E-02
2.000E+04	1.861E-01	1.239E-12	5.793E-09	1.644E-04	1.429E-13	4.862E-01	1.209E-04	2.955E-04	1.235E-01
2.100E+04	2.220E-01	4.718E-13	2.800E-09	9.629E-05	5.129E-14	4.341E-01	7.902E-05	2.849E-04	1.487E-01
2.200E+04	2.571E-01	1.729E-13	1.317E-09	6.152E-05	1.765E-14	3.826E-01	5.041E-05	2.633E-04	1.739E-01
2.300E+04	2.902E-01	6.101E-14	6.010E-10	3.832E-05	5.853E-15	3.335E-01	3.149E-05	2.356E-04	1.984E-01
2.400E+04	3.203E-01	2.090E-14	2.678E-10	2.340E-05	1.086E-15	2.881E-01	1.926E-05	2.040E-04	2.212E-01
2.500E+04	3.670E-01	7.019E-15	1.174E-10	1.408E-05	5.973E-16	2.475E-01	1.164E-05	1.720E-04	2.419E-01
2.600E+04	3.701E-01	2.333E-15	5.106E-11	8.407E-06	1.886E-16	2.120E-01	6.973E-06	1.422E-04	2.602E-01
2.700E+04	3.897E-01	7.767E-16	2.222E-11	5.000E-06	5.941E-17	1.815E-01	4.166E-06	1.150E-04	2.760E-01
2.800E+04	4.062E-01	2.613E-16	9.744E-12	2.992E-06	1.936E-17	1.557E-01	2.493E-06	9.333E-05	2.895E-01
2.900E+04	4.199E-01	8.944E-17	4.328E-12	1.799E-06	6.224E-18	1.340E-01	1.501E-06	7.479E-05	3.309E-01
3.000E+04	4.315E-01	3.133E-17	1.955E-12	1.092E-06	2.087E-18	1.150E-01	9.125E-07	5.977E-05	3.104E-01
3.100E+04	4.411E-01	1.127E-17	9.009E-13	6.697E-07	7.196E-19	1.000E-01	5.610E-07	4.777E-05	3.182E-01
3.200E+04	4.694E-01	4.174E-18	4.238E-13	4.157E-07	2.554E-19	8.828E-02	3.495E-07	3.825E-05	3.246E-01
3.300E+04	4.565E-01	1.591E-18	2.037E-13	2.611E-07	9.328E-20	7.775E-02	2.209E-07	3.075E-05	3.298E-01
3.400E+04	4.628E-01	6.264E-19	9.990E-14	1.658E-07	3.499E-20	6.809E-02	1.617E-07	2.478E-05	3.340E-01
3.500E+04	4.685E-01	2.519E-19	4.997E-14	1.636E-07	1.346E-20	6.140E-02	9.223E-08	2.009E-05	3.372E-01
3.600E+04	4.739E-01	1.043E-19	2.364E-14	6.377E-08	5.279E-21	5.503E-02	6.093E-08	1.496E-05	3.395E-01
3.700E+04	4.790E-01	4.422E-20	1.316E-14	4.800E-08	2.110E-21	4.950E-02	4.084E-08	1.337E-05	3.412E-01
3.800E+04	4.840E-01	1.916E-20	6.908E-15	2.934E-08	8.554E-22	4.489E-02	2.776E-08	1.102E-05	3.421E-01
3.900E+04	4.889E-01	8.463E-21	3.669E-15	1.929E-08	3.507E-22	4.702E-02	1.912E-08	9.114E-06	3.429E-01
4.000E+04	4.938E-01	3.804E-21	1.970E-15	1.272E-08	1.450F-22	3.728E-02	1.334E-08	7.576E-06	3.424E-01
4.100E+04	4.987E-01	1.737E-21	1.067E-15	8.401E-09	6.028E-23	3.417E-02	9.425E-09	6.330E-06	3.418E-01
4.200E+04	5.135E-01	8.043E-22	5.825E-16	5.553E-09	2.518E-23	3.144E-02	6.736E-09	5.316E-06	3.410E-01
4.300E+04	5.308E-01	3.774E-22	3.204E-16	3.673E-09	1.056E-23	2.901E-02	4.868E-09	4.488E-06	3.399E-01
4.400E+04	5.126E-01	1.794E-22	1.775E-16	4.931E-09	2.110E-24	4.685E-02	3.956E-09	3.805E-06	3.387E-01
4.500E+04	5.168E-01	8.630E-23	9.900E-17	1.610E-09	1.875E-24	2.492E-02	2.624E-09	3.244E-06	3.376E-01
4.600E+04	5.208E-01	4.203E-23	5.562E-17	1.660E-09	7.959E-25	2.319E-02	1.955E-09	2.777E-06	3.362E-01
4.700E+04	5.245E-01	2.072E-23	3.149E-17	7.098E-10	3.397E-25	2.163E-02	1.471E-09	2.392E-06	3.350E-01
4.800E+04	5.279E-01	1.035E-23	1.796E-17	4.73CE-10	1.460E-25	2.023E-02	1.116E-09	2.069E-06	3.329E-01
4.900E+04	5.310E-01	5.232E-24	1.033E-17	3.162E-10	6.327E-26	1.895E-02	8.537E-10	1.798E-06	3.320E-01
5.000E+04	5.339E-01	2.679E-24	5.991E-18	2.122E-10	2.766E-26	1.779E-02	6.948E-10	1.568E-06	3.318E-01

P/PD = 1.60E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.006E-31	1.316E-20	3.565E-35	2.140E-20	2.249E-22	1.645E-01	1.500E-10	8.188E-22
6.000E+02	0.	5.013E-01	3.421E-17	4.492E-29	4.830E-24	2.248E-18	3.740E-01	1.265E-18	2.465E-21
7.000E+02	0.	2.435E-01	7.079E-15	8.635E-25	3.966E-21	1.510E-15	5.659E-01	1.041E-18	5.580E-21
8.000E+02	0.	1.053E-01	3.079E-13	1.225E-21	4.666E-19	1.081E-13	6.710E-01	9.137E-19	1.133E-20
9.000E+02	0.	4.665E-02	5.160E-12	3.230E-19	1.662E-17	7.830E-12	7.150E-01	8.510E-19	2.109E-20
1.000E+03	0.	2.285E-02	4.713E-11	2.721E-17	2.689E-16	1.530E-10	7.329E-01	8.133E-19	3.564E-20
1.100E+03	0.	1.243E-02	2.622E-10	1.013E-15	2.598E-15	1.760E-09	7.407E-01	7.025E-19	5.505E-20
1.200E+03	0.	7.615E-03	1.244E-09	2.058E-14	1.713E-16	1.346E-08	7.445E-01	7.524E-19	7.078E-20
1.300E+03	0.	4.770E-03	4.366E-09	2.623E-13	8.459E-14	7.595E-08	7.444E-01	7.214E-19	1.060E-19
1.400E+03	0.	3.263E-03	1.267E-08	2.326E-12	3.327E-13	3.323E-07	7.474E-01	6.895E-19	1.335E-19
1.500E+03	0.	2.352E-03	3.200E-08	1.590E-11	1.093E-12	1.207E-06	7.482E-01	6.573E-19	1.665E-19
1.600E+03	0.	1.766E-03	7.193E-08	8.051E-11	3.102E-12	3.715E-06	7.487E-01	6.254E-19	1.976E-19
1.700E+03	0.	5.354E-28	1.374E-23	1.699E-07	3.485E-10	7.087E-12	1.007E-05	7.490E-01	5.944E-19
1.800E+03	2.363E-25	1.100E-03	2.772E-07	1.268E-09	1.770E-11	2.447E-09	7.492E-01	5.447E-19	2.570E-19
1.900E+03	5.645E-23	9.033E-04	4.892E-07	4.040E-09	3.721E-11	9.423E-09	7.493E-01	5.367E-19	2.841E-19
2.000E+03	7.350E-21	7.579E-04	8.156E-07	1.151E-08	7.250E-11	1.111E-04	7.494E-01	5.147E-19	5.154E-19
2.100E+03	4.231E-19	6.467E-04	1.295E-06	2.961E-08	1.328E-10	2.129E-06	7.493E-01	7.208E-19	9.077E-19
2.200E+03	5.152E-18	5.608E-04	1.972E-06	6.999E-08	3.806E-10	6.610E-06	7.494E-01	3.292E-18	2.568E-18
2.300E+03	3.506E-17	4.928E-04	2.894E-06	1.933E-07	3.823E-10	6.610E-06	7.494E-01	1.846E-17	1.635E-17
2.400E+03	1.943E-16	4.301E-04	4.112E-06	3.148E-07	6.082E-10	1.086E-03	7.497E-01	5.849E-17	9.307E-17
2.500E+03	9.353E-16	3.934E-04	5.681E-06	6.101E-07	9.334E-10	1.714E-03	7.498E-01	4.943E-16	4.727E-16
2.600E+03	3.944E-15	3.563E-04	7.691E-06	1.124E-06	1.387E-09	2.618E-03	7.474E-01	1.066E-15	2.108E-15
2.700E+03	1.535E-14	3.291E-04	1.008E-05	1.977E-06	2.030E-09	3.873E-03	7.466E-01	8.931E-15	8.432E-15
2.800E+03	9.360E-14	2.985E-04	1.300E-05	3.341E-06	2.817E-09	5.471E-03	7.446E-01	2.345E-14	2.059E-14
2.900E+03	1.725E-13	2.753E-04	1.644E-05	5.464E-06	3.846E-09	7.815E-03	7.429E-01	7.302E-14	1.017E-13
3.000E+03	1.627E-12	2.376E-04	2.514E-05	1.312E-05	6.054E-09	1.072E-02	7.404E-01	5.700E-13	8.934E-13
3.200E+03	3.724E-12	2.217E-04	3.038E-05	1.992E-05	8.666E-09	1.898E-02	7.312E-01	1.448E-12	2.395E-12
3.300E+03	9.178E-12	2.072E-04	3.623E-05	2.032E-05	1.120E-08	2.459E-02	7.283E		

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	T
1.854E-05	1.433E-01	6.066E-02	2.2e2E-05	1.200E-04	4.412E-06	1.111E-16	0.	9.000E+03
2.142E-05	1.560E-01	5.314E-02	2.644E-05	1.647E-04	5.685E-06	2.943E-16	0.	9.200E+03
2.457E-05	1.680E-01	4.608E-02	3.003E-05	2.215E-04	7.186E-06	7.427E-16	0.	9.400E+03
2.800E-05	1.790E-01	3.958E-02	3.341E-C5	2.922E-04	8.921E-06	1.793E-15	0.	9.600E+03
3.171E-05	1.890E-01	3.371E-02	3.651E-05	3.786E-04	1.089E-05	4.150E-15	0.	9.800E+03
3.572E-05	1.979E-01	2.850E-02	3.925E-C5	4.827E-05	1.339E-04	9.241E-15	0.	1.000E+04
6.096E-05	2.201E-01	1.158E-02	4.732E-05	1.335E-03	2.721E-05	3.096E-13	0.	1.100E+04
9.124E-05	2.356E-01	4.690E-03	4.759E-C5	2.937E-03	4.566E-05	5.521E-12	0.	1.200E+04
1.274E-04	2.360E-01	2.022E-03	4.497E-05	5.583E-C5	6.705E-05	6.247E-11	0.	1.30E+04
1.658E-04	2.313E-01	9.353E-04	3.661E-05	1.509E-02	1.107E-04	3.043E-C9	1.769E-22	0.
2.025E-04	2.228E-01	4.591E-C4	3.181E-05	2.226E-02	1.250E-04	1.483E-08	6.845E-21	0.
2.337E-04	2.111E-01	2.352E-C4	3.181E-05	2.226E-02	1.250E-04	4.405E-06	4.288E-15	0.
2.556E-04	1.963E-01	1.238E-05	2.688E-05	3.097E-02	1.392E-04	6.024E-08	1.761E-19	0.
2.656E-04	1.792E-01	6.605E-05	2.204E-05	4.109E-02	1.429E-04	2.099E-07	3.227E-18	C.
4.626E-04	1.603E-01	3.534E-05	1.749E-05	5.172E-02	1.390E-04	6.430E-07	4.455E-17	0.
4.648E-04	1.408E-01	1.082E-05	1.363E-05	6.272E-02	1.285E-04	1.764E-06	6.841E-16	0.
2.243E-04	1.210E-01	9.929E-06	9.994E-06	3.377E-02	1.134E-04	4.405E-06	4.288E-15	0.
1.946E-04	1.025E-01	5.186E-06	7.226E-06	8.317E-02	9.607E-05	1.014E-05	3.188E-14	0.
1.634E-04	8.560E-02	2.688E-06	5.102E-06	9.176E-02	7.862E-05	2.176E-05	2.038E-13	0.
1.324E-04	7.302E-02	1.349E-06	3.537E-06	9.902E-02	6.256E-05	4.395E-05	1.138E-12	C.
1.060E-04	5.825E-02	7.134E-C7	2.423E-06	1.049E-01	4.876E-05	8.418E-05	5.658E-12	0.
8.306E-05	4.779E-02	3.697E-07	1.649E-06	1.095E-01	3.766E-05	1.533E-04	2.533E-11	0.
6.438E-05	3.924E-02	1.935E-C7	1.122E-06	1.131E-01	2.854E-05	2.701E-04	1.032E-10	0.
4.906E-05	3.232E-02	1.026E-07	7.649E-07	1.157E-01	2.167E-05	4.569E-06	3.863E-1C	0.
3.829E-05	2.673E-02	5.529E-C8	5.246E-07	1.175E-01	1.645E-05	7.476E-06	1.237E-09	0.
2.946E-05	2.244E-02	3.031E-08	3.620E-07	1.187E-01	1.253E-05	1.186E-03	4.303E-C9	C.
2.310E-05	1.880E-02	1.695E-C8	2.518E-C7	1.193E-01	9.577E-06	1.830E-03	1.296E-08	0.
1.817E-05	1.563E-02	9.575E-09	1.763E-07	1.193E-01	7.360E-06	2.746E-03	3.663E-08	0.
1.445E-05	1.320E-02	5.505E-09	1.241E-07	1.176E-01	5.686E-06	4.021E-03	9.762E-08	C.
1.164E-05	1.118E-02	3.204E-09	8.769E-C8	1.174E-01	4.411E-06	5.738E-03	2.459E-07	0.
9.501E-06	9.453E-03	1.483E-09	2.204E-08	1.154E-01	3.437E-07	7.987E-03	5.872E-07	1.236E-14
7.859E-06	8.362E-03	1.113E-09	4.383E-C8	1.126E-01	2.685E-06	1.085E-02	1.332E-06	6.423E-14
6.588E-06	6.838E-03	6.007E-10	3.064E-08	1.090E-01	2.101E-06	1.438E-02	2.873E-06	2.424E-13
5.515E-06	5.786E-03	3.921E-10	2.156E-C8	1.046E-01	1.644E-06	1.859E-02	5.938E-06	1.141E-12
4.811E-06	4.876E-03	2.322E-10	1.493E-06	9.942E-02	1.285E-06	2.347E-02	1.160E-05	4.255E-12
4.184E-06	4.088E-03	1.368E-07	1.023E-C8	9.351E-02	1.023E-06	2.493E-02	2.180E-05	1.471E-11
3.677E-06	3.404E-03	8.009E-11	6.926E-09	8.705E-02	7.782E-07	3.484E-02	3.928E-05	4.737E-11
3.262E-06	2.842E-03	4.854E-11	4.630E-09	6.022E-02	6.023E-07	4.104E-02	6.795E-05	1.427E-10
2.919E-06	2.324E-03	2.683E-11	3.057E-09	7.318E-02	4.661E-07	4.736E-02	1.133E-04	4.040E-1C
2.631E-06	1.901E-03	1.533E-11	1.995E-09	5.617E-02	3.562E-07	5.360E-02	1.826E-04	1.080F-09
2.346E-06	1.547E-03	7.374E-12	1.289E-09	5.935E-02	2.723E-07	5.960E-02	2.851E-04	2.737E-09
2.177E-06	1.232E-03	4.494E-12	6.251E-10	5.287E-02	2.074E-07	6.524E-02	4.324E-04	6.607E-09
1.995E-06	1.013E-03	2.766E-12	5.246E-10	4.682E-02	1.574E-02	7.041E-02	3.85F-04	1.524E-08
1.837E-06	8.115E-04	1.567E-12	3.326E-10	4.126E-02	1.195E-07	7.503E-02	4.205E-04	3.377E-08
1.697E-06	6.538E-04	8.412E-13	2.094E-10	3.623E-02	9.354E-08	7.908E-02	1.298E-03	7.184E-08
1.573E-06	5.211E-04	4.958E-13	1.318E-10	3.172E-02	6.895E-08	8.249E-02	1.793E-03	1.474E-07

P/PU = 1.60E+02

H-	N	N2	N2+	N+	N-	N++	N+++	T
0.	3.	5.445E-C2	7.192E-21	0.	0.	0.	0.	5.000E+02
0.	3.	1.247E-01	1.005E-20	0.	0.	0.	0.	6.000E+02
0.	3.	1.646E-01	1.361E-20	0.	0.	0.	0.	7.000E+02
0.	6.750E-3J	2.237E-C1	1.628E-20	0.	0.	0.	0.	8.000E+02
0.	1.974E-26	2.383E-01	1.921E-20	0.	0.	0.	0.	9.000E+02
0.	1.162E-23	1.443E-C1	2.210E-20	0.	0.	0.	0.	1.000E+03
0.	2.143E-21	2.465E-C1	2.666E-20	0.	0.	0.	0.	1.100E+03
0.	1.653E-20	2.441E-01	2.074E-20	0.	0.	0.	0.	1.20CE+03
0.	6.594E-18	2.494E-01	2.831E-20	0.	0.	0.	0.	1.300E+01
0.	1.552E-16	2.492E-01	2.937E-20	1.190E-31	0.	0.	0.	1.40CE+03
0.	2.401E-15	2.494E-01	3.001E-20	1.049E-30	0.	0.	0.	1.500E+03
6.122E-34	2.662E-14	2.498E-01	3.027E-20	6.985E-30	0.	0.	0.	1.60CE+03
9.331E-31	2.190E-01	2.497E-01	3.025E-20	5.944E-29	0.	0.	0.	1.700E+03
6.356E-28	1.446E-12	2.497E-01	3.021E-20	5.131E-29	0.	0.	0.	1.800E+03
2.197E-25	7.766E-12	2.498E-01	2.901E-20	5.999E-28	0.	0.	0.	1.900E+03
6.226E-23	3.559E-11	2.498E-01	2.934E-20	1.962E-27	0.	0.	0.	2.000E+03
3.356E-21	1.407E-10	2.498E-01	4.277E-20	6.433E-27	6.637E-29	0.	0.	2.100E+03
5.450E-20	1.913E-10	2.498E-01	1.982E-19	1.045E-25	2.615E-27	0.	0.	2.200E+03
4.405E-19	1.360E-09	2.498E-01	1.164E-18	1.505E-24	5.177E-26	0.	0.	2.300E+03
3.363E-18	9.349E-09	2.498E-01	6.198E-18	1.826E-23	7.006E-25	0.	0.	2.400E+03
1.940E-17	1.151E-08	2.497E-01	2.914E-17	1.830E-22	8.942E-26	0.	0.	2.500E+03
1.033E-16	2.806E-08	2.498E-01	1.220E-16	1.541E-21	8.670E-23	0.	0.	2.600E+03
6.723E-16	6.398E-08	2.499E-01	4.001E-16	1.110E-20	7.100E-22	0.	0.	2.700E+03
1.935E-15	1.374E-07	2.492E-01	1.598E-15	6.958E-20	5.006E-21	0.	0.	2.800E+03
7.180E-15	2.409E-07	2.499E-01	5.000E-15	3.846E-19	3.077E-20	0.	0.	2.900E+03
2.448E-14	5.649E-07	2.498E-01	1.466E-14	1.402E-18	1.674E-19	0.	0.	3.000E+03
7.633E-14	1.020E-06	2.491E-01	4.018E-14	8.490E-18	8.152E-19	0.	0.	3.100E+03
2.224E-13	1.829E-06	2.476E-01	1.039E-13	3.497E-17	3.591E-18	0.	0.	3.200E+03
6.057E-13	3.166E-J8	2.468E-01	2.523E-13	1.294E-16	1.444E-17	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	2.147E-11	1.940E-04	4.266E-05	4.016E-05	1.411E-08	3.135E-02	7.224E-11	7.929E-12	1.491E-11
3.500E+03	4.786E-11	1.817E-04	4.983E-05	5.574E-05	1.739E-08	3.939E-02	7.152E-01	1.725F-11	3.308E-11
3.600E+03	1.021E-10	1.702E-04	5.710E-05	7.587E-05	2.113E-08	4.842E-02	7.071E-01	3.593F-11	7.208E-11
3.700E+03	2.091E-10	1.594E-04	6.499E-05	1.014E-04	2.532E-08	5.974E-02	6.975E-01	7.187E-11	1.507E-10
3.800E+03	4.126E-10	1.491E-04	7.321E-05	1.332E-04	2.995E-08	7.223E-02	8.866E-01	1.385E-10	3.030E-10
3.900E+03	7.884E-10	1.392E-04	8.164E-05	1.721E-04	3.598E-08	8.836E-02	8.742E-01	2.977E-10	5.881E-10
4.000E+03	1.451E-09	1.297E-04	9.018E-05	2.192E-04	4.036E-08	1.022E-01	6.603E-01	4.641E-10	1.104E-09
4.100E+03	2.598E-09	1.205E-04	9.887E-05	2.751E-04	4.603E-08	1.197E-01	6.449E-01	8.100E-10	2.010F-09
4.200E+03	6.524E-09	1.116E-04	1.070E-04	3.408E-04	5.189E-08	1.389E-01	6.281E-01	1.377E-09	3.554F-09
4.300E+03	7.675E-09	1.031E-04	1.150E-04	4.168E-04	5.786E-08	1.597E-01	6.098E-01	2.275E-09	6.119E-09
4.400E+03	1.271E-08	9.481E-05	1.225E-04	5.038E-04	6.303E-08	1.821E-01	5.902E-01	3.665E-09	1.027E-08
4.500E+03	2.056E-08	8.615E-05	1.294E-04	6.016E-04	6.967E-08	2.760E-01	5.692E-01	5.766E-09	1.685E-08
4.600E+03	3.296E-08	7.922E-05	1.353E-04	7.109E-04	7.528E-08	2.311E-01	5.474E-01	8.865E-09	2.701E-08
4.700E+03	5.054E-08	7.193E-05	1.409E-04	8.314E-04	8.059E-08	2.574E-01	5.246E-01	1.334E-08	4.247E-08
4.800E+03	7.676E-08	6.501E-05	1.453E-04	9.628E-04	9.538E-08	2.847E-01	5.030E-01	1.967E-08	6.533E-08
4.900E+03	1.151E-07	5.846E-05	1.486E-04	1.105E-03	8.963E-08	3.127E-01	4.753E-01	2.864E-08	9.876E-08
5.000E+03	1.693E-07	5.232E-05	1.509E-04	1.256E-03	9.328E-08	3.412E-01	4.502E-01	4.037F-08	1.467E-07
5.100E+03	3.496E-07	4.129E-05	1.524E-04	1.506E-03	9.850E-08	3.988E-01	3.995E-01	7.722E-08	3.081E-07
5.200E+03	6.108E-07	3.197E-05	1.499E-04	1.938E-03	1.038E-07	4.555E-01	3.494E-01	1.384E-07	6.098E-07
5.300E+03	1.264E-06	2.433E-05	1.439E-04	2.308E-03	1.004E-07	5.095E-01	3.014E-01	2.348E-07	1.144E-06
5.400E+03	2.237E-06	1.823E-05	1.353E-04	2.604E-03	9.754E-08	5.594E-01	2.570E-01	3.777E-07	2.045E-06
5.500E+03	3.803E-06	1.348E-05	1.249E-04	3.057E-03	9.283E-08	6.042E-01	2.169E-01	5.801E-07	3.501E-06
5.600E+03	6.233E-06	9.877E-06	1.135E-04	3.619E-03	8.682E-08	6.432E-01	1.815E-01	8.548E-07	5.764E-06
5.700E+03	9.885E-06	7.187E-06	1.020E-04	3.763E-03	8.004E-08	6.764E-01	1.510E-01	1.215E-06	9.161F-06
5.800E+03	1.523E-05	5.210E-06	9.071E-05	4.086E-03	7.29CE-08	7.040E-01	1.252E-01	1.672E-06	1.411E-05
5.900E+03	2.284E-05	3.770E-06	8.006E-05	4.386E-03	6.573E-08	7.266E-01	1.030E-01	2.234E-06	2.111E-05
6.000E+03	3.547E-05	2.729E-06	7.024E-05	4.652E-03	5.974E-08	7.441E-01	8.569E-02	2.919E-08	3.079E-07
7.200E+03	4.800E-05	1.979E-06	6.133E-05	4.889E-03	5.209E-08	7.576E-01	7.097E-02	3.727E-06	4.386E-05
7.400E+03	6.753E-05	1.439E-06	5.333E-05	5.929E-03	4.584E-08	6.780E-01	5.898E-02	4.669E-06	6.111E-05
7.600E+03	9.337E-05	1.349E-06	4.623E-05	5.257E-03	4.005E-08	7.753E-01	4.904E-02	5.749E-06	8.363E-05
7.800E+03	1.270E-04	7.680E-07	3.995E-05	5.384E-03	3.737E-08	7.800E-01	4.097E-02	6.973E-06	1.121E-04
8.000E+03	1.703E-04	5.639E-07	3.443E-05	5.469E-03	2.989E-08	7.827E-01	3.436E-02	8.347E-06	1.485E-04
8.200E+03	2.254E-04	4.154E-07	2.958E-05	5.511E-03	2.551E-08	7.837E-01	2.895E-02	9.861F-06	1.933E-04
8.400E+03	2.944E-04	3.070E-07	2.353E-05	5.511E-03	2.160E-08	7.832E-01	2.449E-02	1.153E-02	2.483E-04
8.600E+03	3.802E-04	2.276E-07	2.167E-05	5.473E-03	1.813E-08	7.818E-01	2.082E-02	1.335E-05	3.149F-04
8.800E+03	4.695E-04	1.693E-07	1.848E-05	5.058E-03	1.509E-08	7.795E-01	1.779E-02	1.534E-05	3.950F-04
9.200E+03	6.162E-04	1.262E-07	1.571E-05	5.273E-03	1.265E-08	7.766E-01	1.528E-02	1.748E-05	4.922E-04
9.600E+03	7.692E-04	9.455E-08	1.334E-05	5.119E-03	1.019E-08	7.733E-01	1.310E-02	1.980F-05	6.028E-04
9.800E+03	9.546E-04	7.091E-08	1.130E-05	4.941E-03	8.272E-09	7.699E-01	1.145E-02	2.231E-05	7.349F-04
9.900E+03	1.175E-03	5.343E-08	9.559E-06	4.761E-03	6.672E-09	7.665E-01	9.476E-03	2.501F-05	8.890E-04
1.000E+04	1.633E-03	6.404E-08	8.040E-06	4.525E-03	5.349E-09	7.631E-01	8.744E-03	2.792E-05	1.048E-03
1.100E+04	3.071E-03	6.829E-06	4.130E-03	4.268E-09	7.600E-01	7.707E-01	3.106E-05	1.274E-03	
1.200E+04	4.081E-03	3.935E-09	2.986E-06	3.188E-09	5.007E-08	7.749E-01	4.391E-03	5.061E-05	2.837F-03
1.300E+04	6.342E-03	2.629E-09	3.173E-06	2.305E-09	4.315E-09	7.800E-01	2.761F-03	7.725F-05	5.623E-05
1.400E+04	1.530E-02	9.303E-10	6.757E-07	1.686E-09	3.059E-09	7.772E-01	1.814E-02	1.109E-04	1.013E-02
1.500E+04	2.573E-02	3.614E-10	3.449E-07	1.247E-09	5.088E-11	7.124E-01	1.250E-03	1.907E-04	1.687F-02
1.600E+04	4.033E-02	1.496E-10	1.877E-07	9.292E-24	6.263E-11	6.921E-01	6.797E-04	1.930E-04	2.627E-02
1.700E+04	8.326E-02	2.787E-11	5.598E-05	5.048E-06	3.840E-12	6.322E-01	4.629E-04	2.745E-04	5.416E-02
1.800E+04	1.113E-01	1.202E-11	3.025E-08	3.674E-04	1.572E-02	5.928E-01	3.112E-04	3.048E-04	7.266E-02
1.900E+04	1.4295E-01	9.075E-01	1.600E-07	2.594E-04	6.275F-13	5.481E-01	2.153E-04	3.733E-04	9.379E-02
2.000E+04	1.767E-01	2.074E-02	6.222E-09	1.783E-04	2.420E-13	4.996E-01	1.459E-04	3.287E-04	1.169E-01
2.100E+04	2.118E-01	6.161E-13	4.095E-07	1.191E-03	8.965E-14	4.493E-01	6.671E-05	3.201F-04	1.412E-01
2.200E+04	2.461E-01	3.087E-13	1.976E-09	7.736E-05	3.190E-14	3.398E-01	6.263E-05	2.997F-04	1.655F-01
2.300E+04	2.704E-01	1.126E-13	9.235E-10	4.903E-05	1.399E-15	3.504E-01	1.970E-05	2.708E-04	1.898E-01
2.400E+04	3.091E-01	3.949E-14	6.210E-10	3.045E-05	3.651E-15	3.052E-01	2.470E-05	2.372E-04	2.125F-01
2.500E+04	3.361E-01	1.381E-14	1.894E-10	1.862E-05	1.194E-15	2.642E-01	1.514E-05	2.024E-04	2.327E-01
2.600E+04	3.598E-01	4.733E-15	6.428E-11	1.124E-05	3.073E-16	2.280E-01	9.218E-06	1.692E-04	2.518E-01
2.700E+04	3.801F-01	1.619E-15	1.746E-11	6.619E-06	1.258E-01	1.065E-01	5.582F-06	1.792E-04	2.681E-01
2.800E+04	3.974E-01	5.582E-16	1.672E-11	6.122E-06	4.130E-17	6.169E-01	3.383E-06	1.132F-04	2.821E-01
2.900E+04	4.120E-01	1.953E-16	7.598E-12	2.505E-06	1.308E-17	4.468E-01	2.060E-06	9.151E-05	2.940E-01
3.000E+04	4.624E-01	6.973E-17	9.459E-12	1.535E-06	4.714E-18	3.207E-01	1.276E-06	7.368E-05	3.041F-01
3.100E+04	6.346E-01	2.551E-17	1.614E-12	9.494E-07	1.053E-14	1.115F-01	7.816E-07	5.927F-04	3.124E-01
3.200E+04	6.436E-01	9.584E-18	7.679E-13	9.937E-08	9.706E-07	4.918E-02	4.773E-07	3.194E-01	
3.300E+04	4.510E-01	3.702E-18	3.729E-13	3.753E-07	2.203E-19	8.654E-02	3.124E-07	3.853E-05	3.251E-01
3.400E+04	6.577E-01	1.470E-18	1.844E-13	2.390E-07	8.371E-20	7.689E-02	2.017E-07	3.122F-05	3.290E-01
3.500E+04	6.638E-01	9.994E-19	9.300E-14	1.564E-07	3.257E-20	6.689E-02	1.319E-07	2.546E-05	3.736E-01
3.600E+04	6.859E-01	2.508E-19	6.775E-14	1.037E-07	1.295E-20	6.169E-02	8.751E-09	2.775E-05	3.362E-01
3.700E+04	6.747E-01	1.074E-19	2.491E-14	6.625E-08	5.242E-23	5.568E-02	5.808E-08	1.706E-09	3.383E-01
3.800E+04	6.798E-01	4.700E-20	1.318E-14	4.356E-08	2.154E-21	5.049E-02	4.013E-08	1.406E-09	3.397E-01
3.900E+04	6.848E-01	2.097E-20	7.063E-15	2.885E-08	8.961E-22	4.598E-02	2.772E-08	1.166E-09	3.464E-01
4.000E+04	6.898E-01	9.521E-21	3.025E-15	1.917E-08	3.761E-22	4.206E-02	1.979E-08	9.715E-09	3.406E-01
4.100E+04	6.947E-01	6.392E-21	2.091E-15	1.276E-08	1.589E-22	3.858E-02	1.373E-08	8.134E-09	3.464E-01
4.200E+04	6.995E-01	2.059E-21	1.152E-15	6.504E-09	6.769E-23	3.553E-02	9.832E-09	6.862F-09	3.798E-01
4.300E+04	5.043E-01	9.741E-22	6.307E-16	5.672E-09	2.078E-23	3.201E-02	7.119E-09	5.708E-09	3.390E-01
4.400E+04	6.309E-01	6.678E-22	3.576E-16	3.768E-09	1.231E-23	3.040E-02	5.208E-09	4.912E-09	3.379E-01
4.500E+04	5.132E-01	2.272E-22	2.013E-16	2.529E-09	9.267E-24	2.023E-02	3.849E-09	4.192E-09	3.368E-01
4.600E+04	5.179E-01	1.117E-22	1.141E-16	1.691E-09	2.				

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N2+	N+	N-	N2+	N+	N-	T		
1.552E-12	5.307E-06	2.460E-01	5.042E-13	4.491E-16	5.340E-17	0.	0.	0.	0.	0.	0.	3.400E+03		
3.759E-12	8.633E-06	2.450E-01	1.291E-12	1.453E-15	1.030E-16	0.	0.	0.	0.	0.	0.	3.500E+03		
8.646E-12	1.367E-05	2.438E-01	2.733E-12	4.410E-15	5.844E-16	0.	0.	0.	0.	0.	0.	3.600E+03		
1.897E-11	2.110E-05	2.424E-01	5.562E-12	1.262E-14	1.750E-15	0.	0.	0.	0.	0.	0.	3.700E+03		
3.980E-11	3.183E-05	2.408E-01	1.091E-11	3.421E-14	4.937E-15	C.	C.	C.	C.	C.	C.	3.800E+03		
8.016E-11	4.659E-05	2.390E-01	2.071E-11	8.822E-16	1.318E-14	0.	0.	0.	0.	0.	0.	3.900E+03		
1.554E-10	6.801E-05	2.370E-01	3.808E-11	2.172E-13	3.343E-14	0.	0.	0.	0.	0.	0.	4.000E+03		
2.507E-10	9.662E-05	2.348E-01	6.804E-11	5.124E-13	8.084E-14	0.	0.	0.	0.	0.	0.	4.100E+03		
5.258E-10	1.349E-04	2.323E-01	1.183E-10	1.162E-12	1.070E-13	0.	0.	0.	0.	0.	0.	4.200E+03		
9.211E-10	1.824E-04	2.296E-01	2.037E-10	2.539E-12	4.153E-13	0.	0.	0.	0.	0.	0.	4.300E+03		
1.569E-09	2.509E-04	2.268E-01	3.325E-10	5.356E-12	8.87CE-13	0.	0.	0.	0.	0.	0.	4.400E+03		
2.599E-09	3.369E-04	2.237E-01	5.391E-11	1.055E-11	1.820E-12	0.	0.	0.	0.	0.	0.	4.500E+03		
4.193E-09	6.612E-04	2.204E-01	8.563E-10	2.172E-11	3.640E-12	0.	0.	0.	0.	0.	0.	4.600E+03		
0.555E-09	5.741E-04	2.170E-01	1.334E-09	4.189E-11	7.024E-12	C.	C.	C.	C.	C.	C.	4.700E+03		
1.015E-08	7.304E-04	2.134E-01	2.043E-09	7.870E-11	1.315E-11	0.	0.	0.	0.	0.	0.	4.830E+03		
1.526E-08	9.336E-04	2.097E-01	3.075E-09	1.443E-10	2.396E-11	0.	0.	0.	0.	0.	0.	4.900E+03		
2.248E-08	1.183E-03	2.059E-01	4.557E-09	2.585E-12	4.249E-11	0.	0.	0.	0.	0.	0.	5.000E+03		
4.640E-08	1.826E-03	1.982E-01	9.589E-09	7.744E-10	1.243E-10	0.	0.	0.	0.	0.	0.	5.200E+03		
8.765E-08	2.723E-03	1.903E-01	1.916E-08	2.171E-09	3.329E-10	0.	0.	0.	0.	0.	0.	5.400E+03		
1.567E-07	3.943E-03	1.642E-01	3.658E-08	5.656E-09	8.242E-10	0.	0.	0.	0.	0.	0.	5.600E+03		
2.645E-07	5.561E-03	1.752E-01	6.708E-08	1.786E-08	1.902E-09	0.	0.	0.	0.	0.	0.	5.830E+03		
4.245E-07	7.663E-03	1.681E-01	1.166E-07	3.216E-08	4.130E-09	0.	0.	0.	0.	0.	0.	6.000E+03		
6.513E-07	1.036E-02	1.614E-01	2.030E-07	7.098E-08	8.477E-09	0.	0.	0.	0.	0.	0.	6.200E+03		
9.605E-07	1.369E-02	1.550E-01	3.370E-07	1.496E-07	1.655E-08	6.544E-25	0.	0.	0.	0.	0.	6.400E+03		
1.388E-06	1.781E-02	1.488E-01	5.435E-07	3.023E-07	3.088E-08	4.707E-24	0.	0.	0.	0.	0.	6.600E+03		
1.451E-06	2.279E-02	1.427E-01	8.527E-07	5.672E-07	5.529E-08	3.028E-23	0.	0.	0.	0.	0.	6.800E+03		
2.546E-06	2.873E-02	1.367E-01	1.303E-06	1.097E-06	9.536E-08	1.759E-22	0.	0.	0.	0.	0.	7.000E+03		
3.345E-06	3.569E-02	1.305E-01	1.599E-06	1.986E-06	1.589E-07	4.266E-22	0.	0.	0.	0.	0.	7.200E+03		
4.316E-06	4.388E-02	1.241E-01	0.181E-06	3.471E-06	2.563E-07	4.466E-21	0.	0.	0.	0.	0.	7.400E+03		
5.464E-06	5.276E-02	1.174E-01	3.979E-06	5.870E-06	4.012E-07	1.979E-20	0.	0.	0.	0.	0.	7.600E+03		
6.808E-06	6.286E-02	1.104E-01	5.648E-06	9.658E-06	6.105E-07	8.179E-20	0.	0.	0.	0.	0.	7.800E+03		
8.363E-06	7.333E-02	1.031E-01	7.303E-06	1.542E-05	9.047E-07	3.085E-19	0.	0.	0.	0.	0.	8.000E+03		
1.014E-05	8.552E-02	9.488E-06	9.658E-06	2.194E-05	1.307E-06	1.395E-18	0.	0.	0.	0.	0.	8.200E+03		
1.216E-05	9.837E-02	8.770E-02	1.241E-05	3.621E-05	1.642E-06	3.642E-18	0.	0.	0.	0.	0.	8.400E+03		
1.443E-05	1.114E-01	7.757E-02	1.551E-05	5.341E-05	2.594E-05	1.139E-17	0.	0.	0.	0.	0.	8.600E+03		
1.656E-05	1.245E-01	7.179E-02	1.893E-05	6.768E-05	3.423E-06	3.362E-17	0.	0.	0.	0.	0.	8.800E+03		
1.976E-05	1.376E-01	6.397E-02	2.258E-05	1.082E-04	4.518E-06	9.398E-17	0.	0.	0.	0.	0.	9.000E+03		
2.266E-05	1.503E-01	5.641E-02	2.635E-05	1.490E-04	5.648E-06	2.496E-16	0.	0.	0.	0.	0.	9.200E+03		
2.621E-05	1.625E-01	4.926E-02	3.011E-05	2.010E-04	7.404E-06	1.321E-16	0.	0.	0.	0.	0.	9.400E+03		
2.948E-05	1.738E-01	4.260E-02	3.373E-05	2.659E-04	9.231E-06	1.530E-15	0.	0.	0.	0.	0.	9.600E+03		
3.385E-05	1.861E-01	3.653E-02	3.711E-05	3.457E-04	1.131E-05	3.553E-15	0.	0.	0.	0.	0.	9.800E+03		
3.814E-05	1.933E-01	3.139E-02	4.014E-05	4.421E-04	1.366E-05	7.935E-15	0.	0.	0.	0.	0.	1.000E+04		
4.622E-05	2.237E-01	1.290E-02	4.928E-05	1.237E-03	2.875E-05	2.662E-13	0.	0.	0.	0.	0.	1.100E+04		
9.711E-05	2.347E-01	5.320E-03	5.051E-05	2.733E-03	4.861E-05	4.817E-12	0.	0.	0.	0.	0.	1.200E+04		
1.385E-04	2.386E-01	2.311E-03	4.806E-05	5.221E-03	7.172E-05	5.462E-11	0.	0.	0.	0.	0.	1.300E+04		
1.704E-04	2.320E-01	1.757E-03	4.613E-05	8.496E-03	9.615E-05	4.776E-13	2.268E-24	0.	0.	0.	0.	0.	1.400E+04	
2.142E-04	2.242E-01	5.312E-04	3.952E-05	1.617E-02	1.194E-04	2.665E-09	1.445E-22	0.	0.	0.	0.	0.	1.500E+04	
2.522E-04	2.132E-01	2.743E-04	3.655E-05	2.095E-02	1.388E-04	1.300E-08	5.587E-21	0.	0.	0.	0.	0.	1.600E+04	
2.741E-04	1.949E-01	1.658E-04	2.942E-05	2.923E-02	1.520E-04	5.284E-08	1.436E-19	0.	0.	0.	0.	0.	1.700E+04	
2.910E-04	1.629E-01	7.470E-05	2.435E-05	3.877E-02	1.574E-04	1.843E-07	2.622E-18	0.	0.	0.	0.	0.	1.800E+04	
2.903E-04	1.647E-01	4.270E-05	1.954E-05	4.917E-02	1.546E-04	5.652E-07	3.621E-17	0.	0.	0.	0.	0.	1.900E+04	
2.767E-04	1.457E-01	2.310E-05	1.519E-05	5.990E-02	4.655E-04	1.553E-06	3.923E-16	0.	0.	0.	0.	0.	2.000E+04	
3.142E-04	1.265E-01	1.261E-05	1.146E-05	7.043E-02	7.043E-04	1.292E-04	3.882E-15	0.	0.	0.	0.	0.	2.100E+04	
2.222E-04	1.041E-01	6.600E-06	8.407E-06	8.029E-02	1.109E-04	8.947E-06	2.571E-14	0.	0.	0.	0.	0.	2.200E+04	
1.886E-04	9.111E-02	3.482E-06	6.024E-06	8.902E-02	9.197E-05	1.922E-05	1.637E-13	0.	0.	0.	0.	0.	2.300E+04	
1.555E-04	7.612E-02	1.028E-06	4.235E-06	9.652E-02	7.414E-05	3.885E-05	9.122E-13	0.	0.	0.	0.	0.	2.400E+04	
1.253E-04	6.314E-02	9.582E-07	2.939E-06	1.027E-01	5.852E-05	7.445E-05	4.520E-12	0.	0.	0.	0.	0.	2.500E+04	
9.927E-05	5.222E-02	5.062E-07	2.025E-06	1.077E-01	4.548E-05	1.362E-04	2.017E-11	0.	0.	0.	0.	0.	2.600E+04	
7.773E-05	4.310E-02	2.675E-07	1.391E-06	1.116E-01	3.501E-05	2.390E-04	6.194E-11	0.	0.	0.	0.	0.	2.700E+04	
6.059E-05	3.576E-02	1.636E-07	9.572E-07	1.145E-01	2.682E-05	4.043F-04	3.057E-10	0.	0.	0.	0.	0.	2.800E+04	
4.763E-05	2.974E-02	7.019E-08	6.616E-07	1.146E-01	2.052E-05	6.615E-04	1.055E-09	0.	0.	0.	0.	0.	2.900E+04	
3.666E-05	4.648E-02	4.325E-08	4.597E-07	1.140E-01	1.704E-05	1.070E-03	3.467E-05	0.	0.	0.	0.	0.	3.000E+04	
2.475E-05	2.066E-02	2.431E-08	3.217E-07	1.149E-01	1.210E-05	1.622E-03	1.319E-08	0.	0.	0.	0.	0.	3.100E+04	
2.233E-05	1.761E-02	1.388E-08	2.266E-07	1.149E-01	9.345E-06	2.434E-03	2.877E-08	0.	0.	0.	0.	0.	3.200E+04	
1.817E-05	1.459E-02	8.038E-08	1.804E-07	1.148E-01	7.254E-06	3.584E-03	7.653E-08	0.	0.	0.	0.	0.	3.300E+04	
1.469E-05	1.269E-02	4.711E-09	1.141E-07	1.147E-01	5.636E-06	5.304E-03	1.932E-07	0.	0.	0.	0.	0.	3.400E+04	
1.262E-05	1.041E-02	2.792E-09	8.120E-08	1.146E-01	4.427E-06	7.100E-03	6.610E-07	0.	0.	0.	0.	0.	3.500E+04	
9.973E-06	9.210E-03	1.664E-09	5.137E-08	1.134E-01	3.475E-06	6.680E-03	1.050E-06	4.472E-14	0.	0.	0.	0.	0.	3.600E+04
8.380E-06	7.955E-03	9.965E-10	4.104E-08	1.140E-01	2.733E-06	1.780E-02	2.272E-06	1.972E-13	0.	0.	0.	0.	0.	3.700E+04
7.139E-06	6.682E-03	5.977E-10	2.900E-08	1.064E-01	2.151E-06	1.673E-02	4.692E-06	7.996E-13	0.	0.	0.	0.	0.	3.800E+04
6.141E-06	5.664E-03	3.580E-10	2.032E-08	1.019E-01	1.691E-06	2.123E-02	9.259E-06	2.496E-12	0.	0.	0.	0.	0.	3.900E+04
5.348E-06	4.777E-03	2.137E-10	1.810E-08	9.644E-02	1.327E-06	2.632E-02	1.769E-05	1.042E-11	0.	0.	0.	0.	0.	4.000E+04
4.707E-06	4.012E-03	1.268E-10	9.676E-09	9.038E-02	1.039E-06	3.191E-02	3.171E-05	3.375E-11	0.	0.	0.	0.	0.	4.100E+04
4.181E-06	3.377E-03	7.678E-11												

TABLE II.- Continued

P/PD = 1.80E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.917E-01	1.291E-20	3.306E-35	2.170E-20	2.366E-22	1.562E-01	1.519E-18	7.970E-22
6.000E+02	0.	5.208E-01	3.410E-17	4.316E-29	4.818E-24	2.077E-18	3.594E-01	1.282E-18	2.442E-21
7.000E+02	0.	2.633E-01	7.244E-15	8.432E-25	4.253E-21	1.406E-15	5.525E-01	1.057E-18	5.409E-21
8.000E+02	0.	1.157E-01	3.209E-13	1.211E-21	9.121E-19	1.763E-13	6.632E-01	5.225E-19	1.088E-20
9.000E+02	0.	5.190E-02	8.436E-12	3.213E-19	1.827E-17	7.341E-12	7.111E-01	8.564E-19	2.004E-20
1.000E+03	0.	2.558E-02	4.978E-11	2.713E-17	3.009E-16	1.448E-10	7.308E-01	8.173E-19	3.302E-20
1.100E+03	0.	1.394E-02	2.907E-10	1.012E-15	2.914E-15	1.658E-09	7.395E-01	7.865E-19	5.221E-20
1.200E+03	0.	8.327E-03	1.318E-09	2.056E-14	1.926E-14	1.269E-08	7.438E-01	7.570E-19	7.478E-20
1.300E+03	0.	5.360E-03	4.606E-09	2.623E-13	9.505E-13	7.120E-08	7.460E-01	7.769E-19	1.007E-19
1.400E+03	0.	3.670E-13	1.343E-08	2.323E-12	3.760E-13	3.132E-07	7.472E-01	6.961E-19	1.290E-19
1.500E+03	2.483E-34	2.644E-03	3.393E-08	1.540E-11	1.229E-12	1.134E-06	7.480E-01	6.645E-19	1.588E-19
1.600E+03	0.	1.984E-03	7.627E-08	8.049E-11	3.488E-12	3.505E-06	7.488E-01	6.34CE-19	1.804E-19
1.700E+03	4.460E-20	1.545E-03	1.950E-07	3.464E-10	8.708E-12	9.493E-06	7.496E-01	6.038E-19	2.184E-19
1.800E+03	2.083E-29	1.237E-03	2.940E-07	1.288E-09	2.000E-11	2.307E-05	7.491E-01	5.747E-19	2.474E-19
1.900E+03	4.781E-23	1.016E-03	9.188E-07	4.047E-09	4.186E-11	5.113E-05	7.492E-01	5.472E-19	2.751E-19
2.000E+03	6.409E-21	8.520E-04	6.649E-09	1.151E-08	8.155E-11	1.046E-04	7.493E-01	5.292E-19	3.036E-19
2.100E+03	3.803E-19	7.275E-06	1.373E-06	2.901E-08	1.494E-10	2.007E-04	7.495E-01	7.207E-19	4.727E-19
2.200E+03	4.770E-16	6.308E-04	2.091E-06	9.994E-08	2.594E-10	3.626E-04	7.497E-01	3.160E-18	2.324E-18
2.300E+03	3.259E-17	5.544E-04	3.049E-06	1.533E-07	4.300E-10	6.232E-04	7.498E-01	1.895E-17	1.474E-17
2.400E+03	1.806E-16	4.929E-04	4.362E-06	3.148E-07	8.843E-10	1.324E-03	7.497E-01	9.421E-17	8.445E-17
2.500E+03	8.467E-16	4.424E-04	6.026E-06	8.101E-07	1.050E-09	1.618E-03	7.498E-01	4.348E-16	4.266E-16
2.600E+03	3.707E-19	4.049E-04	8.117E-06	1.242E-06	1.561E-09	2.469E-03	7.499E-01	1.789E-15	1.904E-15
2.700E+03	4.424E-14	3.636E-04	1.049E-05	1.978E-06	2.253E-09	3.052E-03	7.500E-01	6.643E-15	7.619E-15
2.800E+03	4.979E-16	3.359E-04	1.379E-05	3.342E-06	3.170E-09	5.253E-03	7.501E-01	7.249E-14	2.766E-14
2.900E+03	1.398E-13	3.102E-04	1.747E-05	5.444E-06	4.354E-09	7.370E-03	7.503E-01	7.009E-14	9.199E-14
3.000E+03	4.753E-13	2.877E-04	2.176E-05	8.508E-06	9.857E-09	1.011E-02	7.495E-01	2.027E-13	2.820E-13
3.100E+03	1.321E-12	2.677E-04	2.649E-05	1.312E-05	7.720E-09	1.359E-02	7.379E-01	5.480E-13	8.093E-13
3.200E+03	3.465E-12	2.499E-04	3.227E-05	1.933E-05	9.992E-09	1.709E-02	7.341E-01	1.397E-12	2.171E-12
3.300E+03	8.487E-12	2.338E-04	3.850E-05	2.839E-05	1.411E-08	2.320E-02	7.295E-01	3.347E-12	9.492E-12
3.400E+03	1.984E-11	2.190E-04	4.536E-05	4.022E-05	1.598E-08	2.959E-02	7.239E-01	7.641E-12	1.376E-11
3.500E+03	4.423E-11	2.054E-04	5.281E-05	5.598E-05	1.964E-08	3.719E-02	7.172E-01	1.686E-11	3.004E-11
3.600E+03	9.433E-11	1.976E-04	6.081E-05	7.040E-05	2.388E-08	4.610E-02	7.094E-01	3.468E-11	6.590E-11
3.700E+03	1.932E-10	1.806E-04	9.972E-05	1.017E-04	2.855E-08	5.644E-02	7.004E-01	6.945E-11	1.370E-10
3.800E+03	3.811E-10	1.691E-04	7.812E-05	1.336E-04	3.393E-08	6.627E-02	6.900E-01	1.340E-10	2.757E-10
3.900E+03	7.261E-10	1.582E-04	8.723E-05	1.729E-04	3.969E-08	8.167E-02	6.783E-01	2.695E-10	5.339E-10
4.000E+03	1.340E-09	1.477E-04	9.648E-05	2.202E-04	4.587E-08	9.668E-02	6.651E-01	4.900E-10	1.006E-09
4.100E+03	2.394E-09	1.375E-04	1.057E-04	2.768E-04	5.240E-08	1.133E-01	6.535E-01	7.873E-10	1.032E-09
4.200E+03	6.176E-09	1.277E-04	1.149E-04	3.432E-04	5.920E-08	1.314E-01	6.356E-01	1.338E-09	3.742E-09
4.300E+03	7.086E-09	1.183E-04	2.137E-04	4.202E-04	6.616E-08	1.515E-01	6.170E-01	2.815E-09	5.585E-09
4.400E+03	1.174E-08	1.091E-04	3.120E-04	5.083E-04	7.316E-08	1.724E-01	5.982E-01	3.575E-09	9.384E-09
4.500E+03	1.900E-08	1.030E-04	3.398E-04	6.081E-04	8.007E-08	1.957E-01	5.782E-01	5.634E-09	1.540E-08
4.600E+03	3.099E-08	9.183E-05	4.140E-04	7.195E-04	8.377E-08	2.199E-01	5.566E-01	6.680E-09	2.672E-08
4.700E+03	4.672E-08	8.317E-05	5.530E-04	8.428E-04	9.312E-08	2.652E-01	5.374E-01	1.309E-08	3.885E-08
4.800E+03	7.119E-08	7.597E-05	5.982E-04	9.716E-04	9.901E-08	2.719E-01	5.115E-01	1.934E-08	5.988E-08
4.900E+03	1.065E-07	6.863E-05	1.674E-04	1.214E-03	1.043E-07	2.984E-01	4.877E-01	2.803E-08	9.059E-08
5.000E+03	1.547E-07	6.171E-05	1.817E-04	1.202E-03	1.090E-07	3.263E-01	4.633E-01	3.988E-08	1.347E-07
5.200E+03	3.246E-07	4.926E-05	1.683E-04	1.620E-03	1.159E-07	3.626E-01	4.134E-01	7.668E-08	2.039E-07
5.400E+03	6.328E-07	3.811E-05	1.667E-04	1.990E-03	1.196E-07	4.305E-01	3.642E-01	1.384E-07	5.623E-07
5.600E+03	1.174E-06	2.963E-05	1.612E-04	2.300E-03	1.200E-07	4.973E-01	3.166E-01	2.399E-07	1.057E-06
5.800E+03	2.020E-06	2.245E-05	1.527E-04	2.778E-03	1.176E-07	5.623E-01	2.719E-01	3.814E-07	1.894E-06
6.000E+03	3.545E-06	1.679E-05	1.420E-04	3.176E-03	1.127E-07	5.080E-01	2.311E-01	5.894E-07	3.745E-06
6.200E+03	5.818E-06	1.243E-05	1.311E-04	3.965E-03	1.062E-07	6.282E-01	1.946E-01	8.735E-07	5.360E-06
6.400E+03	9.239E-06	9.136E-06	1.176E-04	3.937E-03	9.854E-08	6.820E-01	1.631E-01	1.248E-06	8.937E-06
6.600E+03	1.425E-05	6.628E-06	1.032E-04	4.288E-03	9.029E-08	6.919E-01	1.360E-01	1.725E-06	1.317E-05
6.800E+03	2.130E-05	4.876E-06	9.340E-05	4.613E-03	8.176E-08	7.159E-01	1.132E-01	2.319E-06	1.974E-05
7.000E+03	3.137E-05	3.556E-06	8.233E-05	4.908E-03	7.359E-08	7.359E-01	9.404E-01	3.398E-06	2.804E-05
7.200E+03	4.502E-05	2.593E-06	7.223E-05	5.171E-03	6.555E-08	7.501E-01	7.823E-02	3.893E-06	4.114E-05
7.400E+03	6.330E-05	1.895E-06	1.309E-05	5.199E-03	5.709E-08	7.616E-01	6.517E-02	4.892E-06	5.747E-05
7.600E+03	8.767E-05	1.393E-05	5.690E-05	5.568E-03	5.000E-08	7.700E-01	5.667E-02	6.061E-06	7.863E-05
7.800E+03	1.193E-04	1.025E-05	6.763E-05	5.736E-03	4.436E-08	7.759E-01	4.595E-02	7.746E-06	1.057E-04
8.000E+03	1.000E-06	7.561E-07	6.120E-05	5.842E-03	3.837E-08	7.794E-01	3.833E-02	8.806E-06	1.399E-04
8.200E+03	2.110E-05	4.876E-06	5.354E-05	5.904E-03	3.203E-08	7.812E-01	3.233E-02	1.043E-05	1.823E-04
8.400E+03	2.776E-05	3.157E-06	3.075E-05	5.921E-03	2.804E-08	7.815E-01	2.763E-02	1.221E-05	2.342E-04
8.600E+03	3.574E-05	2.099E-06	2.622E-05	5.939E-03	2.366E-08	7.800E-01	2.333E-02	1.617E-05	2.974E-04
8.800E+03	4.566E-06	2.311E-07	2.293E-05	5.923E-03	1.982E-08	7.788E-01	1.999E-02	1.829E-05	3.732E-04
9.000E+03	5.774E-06	1.731E-07	1.916E-05	5.714E-03	1.646E-08	7.767E-01	1.717E-02	1.899E-05	4.634E-04
9.200E+03	7.221E-06	1.300E-07	1.622E-05	5.568E-03	1.359E-08	7.734E-01	1.464E-02	2.107E-05	5.699E-04
9.400E+03	8.976E-06	9.801E-08	1.388E-05	5.392E-03	1.108E-08	7.702E-01	1.208E-02	2.376E-05	6.949E-04
9.600E+03	1.135E-03	7.412E-08	1.178E-05	5.100E-03	8.996E-09	7.669E-01	1.124E-02	2.662E-05	8.467E-04
9.800E+03	1.340E-03	5.626E-08	6.990E-06	4.970E-03	7.258E-09	7.637E-01	9.853E-03	2.979E-05	1.010E-03
1.000E+04	1.633E-03	4.288E-08	6.466E-06	4.736E-03	9.825E-09	7.606E-01	8.684E-03	3.307E-05	1.205E-03
1.100E+04	3.643E-03	1.099E-07	2.622E-05	4.898E-03	2.366E-08	7.501E-01	6.925E-03	5.307E-05	2.600E-03
1.200E+04	7.861E-03	3.738E-09	1.362E-06	2.580E-03	6.112E-08	7.386E-01	5.078E-03	8.212E-05	5.700E-03
1.300E+04	1.643E-02	1.303E-09	8.573E-07	1.849E-03	2.154E-08	7.201E-01	2.050E-03	1.179E-04	9.565E-03
1.400E+04	2.430E-02	9.195E-10	6.462E-07	1.423E-03	8.179E-09	7.143E-01	1.614E-03	1.430E-04	1.593E-02
1.500E+04	3.811E-02	2.188E-09	2.070E-07	1.055E-03	3.203E-09	7.101E-01	9.311E-04	2.061E-04	2.602E-02
1.600E+04	5.827E-02	9.346E-11	1.324E-07	7.888E-04	1.362E-11	6.998E-01	7		

TABLE II.- Continued

P/PO = 1.00E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	5.208E-02	7.239E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.198E-01	1.099E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.842E-01	1.381E-20	0.	0.	0.	0.	0.	7.000E+02
0.	6.354E-30	2.211E-01	1.644E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.860E-28	2.370E-01	1.933E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.094E-23	2.630E-01	2.221E-20	0.	0.	0.	0.	0.	1.000E+03
0.	2.019E-21	2.465E-01	2.479E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.563E-19	2.479E-01	2.691E-20	0.	0.	0.	0.	0.	1.200E+03
0.	6.215E-18	2.487E-01	2.892E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.463E-16	2.491E-01	2.965E-20	1.133E-31	0.	0.	0.	0.	1.400E+03
0.	2.263E-15	2.493E-01	3.035E-20	1.001E-30	0.	0.	0.	0.	1.500E+03
9.693E-34	2.491E-14	2.495E-01	3.049E-20	6.675E-30	0.	0.	0.	0.	1.600E+03
8.659E-31	2.070E-13	2.496E-01	3.073E-20	3.537E-29	0.	0.	0.	0.	1.700E+03
5.669E-28	1.361E-12	2.497E-01	3.094E-20	1.548E-28	0.	0.	0.	0.	1.800E+03
2.031E-25	7.350E-12	2.497E-01	3.019E-20	5.765E-28	0.	0.	0.	0.	1.900E+03
3.904E-23	3.359E-11	2.498E-01	2.994E-20	1.088E-27	0.	0.	0.	0.	2.000E+03
3.200E-21	1.327E-10	2.498E-01	2.429E-20	7.063E-27	6.327E-26	0.	0.	0.	2.100E+03
5.352E-20	4.632E-10	2.498E-01	1.903E-19	9.456E-26	2.567E-27	0.	0.	0.	2.200E+03
4.730E-19	1.452E-09	2.498E-01	1.113E-18	1.357E-26	5.103E-26	0.	0.	0.	2.300E+03
3.315E-18	4.130E-09	2.497E-01	5.920E-18	1.646E-25	7.497E-25	0.	0.	0.	2.400E+03
1.969E-17	1.086E-08	2.497E-01	2.749E-17	1.452E-22	8.805E-24	0.	0.	0.	2.500E+03
1.017E-16	2.646E-08	2.496E-01	1.160E-16	1.392E-21	8.546E-23	0.	0.	0.	2.600E+03
4.667E-16	6.332E-08	2.494E-01	4.410E-16	1.003E-20	6.999E-22	0.	0.	0.	2.700E+03
1.933E-15	1.260E-07	2.493E-01	1.517E-15	6.291E-20	4.922E-21	0.	0.	0.	2.800E+03
7.050E-15	2.669E-07	2.490E-01	4.798E-15	3.481E-19	3.024E-20	0.	0.	0.	2.900E+03
2.395E-14	5.157E-07	2.487E-01	1.407E-14	1.721E-18	1.666E-19	0.	0.	0.	3.000E+03
7.502E-14	9.617E-07	2.482E-01	3.011E-14	7.089E-18	8.004E-19	0.	0.	0.	3.100E+03
2.184E-13	1.725E-13	2.477E-01	9.956E-14	3.132E-17	3.525E-18	0.	0.	0.	3.200E+03
5.946E-13	2.966E-06	2.476E-01	2.627E-13	1.173E-16	1.417E-17	0.	0.	0.	3.300E+03
1.523E-12	5.205E-06	2.464E-01	5.623E-13	4.073E-16	5.236E-17	0.	0.	0.	3.400E+03
3.690E-12	8.164E-06	2.452E-01	1.442E-12	1.318E-15	1.794E-16	0.	0.	0.	3.500E+03
8.489E-12	1.289E-05	2.441E-01	2.633E-12	6.003E-15	5.731E-16	0.	0.	0.	3.600E+03
1.862E-11	1.991E-05	2.428E-01	5.316E-12	1.146E-14	1.716E-15	0.	0.	0.	3.700E+03
3.099E-11	3.004E-05	2.413E-01	1.057E-11	3.130E-14	4.841E-15	0.	0.	0.	3.800E+03
7.075E-11	6.436E-05	2.396E-01	1.996E-11	8.016E-14	1.292E-14	0.	0.	0.	3.900E+03
1.527E-10	6.421E-05	2.377E-01	3.677E-11	1.974E-13	3.270E-14	0.	0.	0.	4.000E+03
2.456E-10	9.124E-05	2.354E-01	6.572E-11	6.658E-13	7.931E-14	0.	0.	0.	4.100E+03
5.178E-10	1.274E-04	2.332E-01	1.143E-10	1.056E-12	1.836E-13	0.	0.	0.	4.200E+03
9.386E-10	1.752E-04	2.307E-01	1.940E-10	2.330E-12	4.079E-13	0.	0.	0.	4.300E+03
1.548E-09	2.372E-04	2.279E-01	3.210E-10	4.872E-12	8.713E-13	0.	0.	0.	4.400E+03
2.567E-09	3.167E-04	2.250E-01	5.210E-10	9.459E-12	1.798E-12	0.	0.	0.	4.500E+03
6.147E-09	6.173E-04	2.218E-01	8.288E-10	1.970E-11	3.580E-12	0.	0.	0.	4.600E+03
6.537E-09	5.332E-04	2.185E-01	1.262E-09	3.813E-11	6.912E-12	0.	0.	0.	4.700E+03
1.007E-08	6.589E-04	2.151E-01	1.976E-09	7.159E-11	1.295E-11	0.	0.	0.	4.800E+03
1.517E-08	8.896E-04	2.115E-01	2.979E-09	1.312E-10	2.361E-11	0.	0.	0.	4.900E+03
2.239E-08	1.121E-03	2.078E-01	4.616E-09	2.350E-10	4.192E-11	0.	0.	0.	5.000E+03
4.682E-08	1.730E-03	2.002E-01	9.291E-09	7.076E-10	1.220E-10	0.	0.	0.	5.100E+03
8.810E-08	2.582E-03	1.928E-01	1.856E-08	1.971E-09	3.285E-10	0.	0.	0.	5.200E+03
1.543E-07	3.760E-03	1.846E-01	3.542E-08	5.131E-09	8.175E-10	0.	0.	0.	5.300E+03
2.666E-07	5.277E-03	1.774E-01	6.486E-08	1.259E-08	1.891E-09	0.	0.	0.	5.400E+03
4.332E-07	7.272E-03	1.703E-01	1.146E-07	2.910E-08	4.110E-09	0.	0.	0.	5.500E+03
6.679E-07	9.813E-03	1.635E-01	1.959E-07	6.414E-08	8.446E-09	6.942E-26	0.	0.	6.000E+03
9.855E-07	1.299E-02	1.570E-01	3.247E-07	1.351E-07	1.651E-06	5.610E-25	0.	0.	6.500E+03
1.416E-06	1.690E-02	1.508E-01	5.232E-07	2.726E-07	3.089E-06	4.331E-24	0.	0.	6.000E+03
1.966E-06	2.163E-02	1.447E-01	8.202E-07	5.290E-07	5.930E-06	7.599E-23	0.	0.	6.500E+03
2.652E-06	2.727E-02	1.386E-01	1.233E-06	9.894E-07	9.567E-06	1.500E-22	0.	0.	7.000E+03
3.458E-06	3.368E-02	1.324E-01	1.685E-06	1.707E-06	1.592E-07	7.903E-22	0.	0.	7.200E+03
4.519E-06	4.152E-02	1.261E-01	2.708E-06	3.124E-06	2.572E-07	3.807E-21	0.	0.	7.400E+03
5.733E-06	5.118E-02	1.195E-01	3.815E-06	5.293E-06	4.031E-07	1.687E-20	0.	0.	7.600E+03
7.155E-06	6.944E-02	1.127E-01	5.299E-06	8.704E-06	6.143E-07	6.116E-20	0.	0.	7.800E+03
8.632E-06	7.050E-02	1.055E-01	7.146E-06	1.391E-05	9.110E-07	2.634E-19	0.	0.	8.000E+03
1.069E-05	8.198E-02	9.805E-02	9.408E-06	2.183E-05	1.320E-06	3.302E-19	0.	0.	8.200E+03
1.283E-05	9.041E-02	9.338E-02	1.708E-05	3.270E-06	1.608E-06	3.110E-18	0.	0.	8.400E+03
1.523E-05	1.064E-01	8.253E-02	1.310E-05	6.845E-05	2.576E-06	6.771E-18	0.	0.	8.600E+03
1.792E-05	1.397E-01	7.667E-02	1.682E-05	6.919E-05	3.400E-06	2.800E-17	0.	0.	8.800E+03
2.089E-05	1.327E-01	6.689E-02	2.233E-05	9.863E-05	4.635E-06	6.100E-17	0.	0.	9.000E+03
2.416E-05	1.653E-01	5.932E-02	2.620E-05	1.302E-04	5.972E-06	2.157E-16	0.	0.	9.200E+03
2.776E-05	1.575E-01	5.210E-02	3.011E-05	1.842E-04	7.600E-06	5.477E-16	0.	0.	9.400E+03
3.143E-05	1.695E-01	4.537E-02	3.392E-05	2.445E-04	9.465E-06	3.300E-15	0.	0.	9.600E+03
3.505E-05	1.790E-01	3.911E-02	3.793E-05	3.187E-04	1.167E-05	3.049E-15	0.	0.	9.800E+03
4.039E-05	1.691E-01	3.367E-02	4.083E-05	4.087E-04	1.412E-05	6.930E-15	0.	0.	1.000E+04
4.647E-05	2.214E-01	1.928E-02	5.126E-05	1.154E-03	3.014E-05	2.370E-13	0.	0.	1.100E+04
5.036E-05	2.330E-01	9.338E-03	5.316E-05	2.573E-03	9.133E-05	4.209E-12	0.	0.	1.200E+04
5.451E-04	2.359E-01	5.957E-03	5.652E-05	6.919E-03	7.605E-05	6.851E-11	0.	0.	1.300E+04
1.895E-04	2.425E-01	1.215E-03	6.697E-05	8.450E-03	1.023E-04	3.800E-10	1.899E-24	0.	1.400E+04
2.324E-04	2.253E-01	6.077E-04	6.225E-04	1.340E-02	1.276E-04	3.371E-09	3.210E-12	0.	1.500E+04
2.760E-04	2.150E-01	3.137E-04	3.718E-03	1.940E-02	1.490E-04	1.157E-08	6.174E-21	0.	1.600E+04
2.993E-04	2.018E-01	1.681E-04	3.182E-03	2.775E-02	1.641E-04	6.707E-08	1.200E-19	0.	1.700E+04
3.150E-04	1.884E-01	9.165E-05	2.656E-03	3.642E-02	1.710E-04	1.663E-07	3.710E-18	0.	1.800E+04
3.164E-04	1.884E-01	9.031E-05	2.149E-03	6.699E-02	1.694E-04	5.043E-07	3.016E-17	0.	1.900E+04
3.040E-04	1.503E-01	2.799E-05	1.609E-05	5.746E-02	1.599E-04	1.307E-06	3.264E-14	0.	2.000E+04

TABLE II.- Continued

T	E-	NM3	NM2	NM	N2M2	M	H2	H20	HO
2.100E+04	2.027E-01	1.214E-12	5.695E-09	1.431E-04	1.458E-13	4.623E-01	1.152E-04	3.930E-04	1.349E-01
2.200E+04	2.365E-01	5.104E-13	2.001E-09	9.627E-09	5.329E-14	4.131E-01	7.554E-05	3.343E-04	1.388E-01
2.300E+04	2.689E-01	1.914E-13	1.339E-09	6.063E-09	1.083E-14	3.653E-01	6.852E-05	3.051E-04	1.624E-01
2.400E+04	2.991E-01	6.970E-14	6.240E-10	3.820E-09	6.466E-15	3.203E-01	3.064E-05	2.699E-04	2.040E-01
2.500E+04	3.264E-01	2.683E-14	2.885E-10	2.370E-09	2.176E-15	2.792E-01	1.903E-05	2.326E-04	2.256E-01
2.600E+04	3.505E-01	8.733E-15	1.390E-10	1.656E-09	7.247E-16	2.424E-01	1.172E-05	1.963E-04	2.443E-01
2.700E+04	3.714E-01	3.061E-15	5.892E-11	8.930E-09	2.412E-16	2.102E-01	7.180E-06	1.630E-04	2.609E-01
2.800E+04	3.893E-01	1.079E-15	2.670E-11	5.441E-09	0.093E-17	1.829E-01	4.493E-06	1.237E-04	2.793E-01
2.900E+04	4.046E-01	3.846E-16	1.223E-11	3.339E-09	2.757E-17	1.587E-01	2.707E-06	1.069E-04	2.877E-01
3.000E+04	4.176E-01	1.398E-16	5.670E-12	2.063E-09	9.581E-18	1.366E-01	1.676E-06	8.029E-04	2.982E-01
3.100E+04	4.284E-01	5.193E-17	2.679E-12	1.280E-09	9.410E-18	1.212E-01	1.067E-06	7.141E-05	3.071E-01
3.200E+04	4.377E-01	1.978E-17	1.287E-12	8.094E-09	1.245E-18	1.071E-01	6.616E-07	7.781E-05	3.149E-01
3.300E+04	4.458E-01	7.730E-18	6.304E-13	5.149E-09	4.668E-19	9.491E-02	4.232E-07	4.688E-05	3.206E-01
3.400E+04	4.529E-01	3.103E-18	3.167E-13	3.309E-09	1.793E-19	6.456E-02	2.743E-07	9.014E-05	3.297E-01
3.500E+04	4.593E-01	1.278E-18	1.630E-13	2.147E-09	7.034E-20	7.595E-02	1.802E-07	3.114E-05	3.290E-01
3.600E+04	4.651E-01	5.397E-19	8.275E-14	1.605E-09	2.035E-20	8.811E-02	1.200E-07	2.553E-05	3.339E-01
3.700E+04	4.706E-01	2.332E-19	4.369E-16	9.267E-09	1.161E-20	6.150E-02	8.103E-08	2.103E-05	3.394E-01
3.800E+04	4.759E-01	1.030E-19	2.310E-14	6.167E-09	6.822E-21	5.592E-02	5.533E-08	1.739E-05	3.372E-01
3.900E+04	4.810E-01	6.036E-20	1.251E-14	6.097E-09	2.033E-21	5.199E-02	3.824E-08	1.446E-05	3.370E-01
4.000E+04	4.860E-01	2.124E-20	6.829E-15	2.740E-09	8.646E-22	4.668E-02	2.695E-08	1.207E-05	3.388E-01
4.100E+04	4.910E-01	9.884E-21	3.763E-15	1.030E-09	3.703E-22	6.289E-02	1.908E-08	1.013E-05	3.399E-01
4.200E+04	4.959E-01	6.666E-21	2.091E-15	1.232E-09	1.395E-22	3.953E-02	1.369E-08	8.522E-06	3.395E-01
4.300E+04	5.007E-01	2.232E-21	1.170E-15	8.282E-09	8.902E-23	3.856E-02	9.931E-09	7.723E-06	3.377E-01
4.400E+04	5.054E-01	1.081E-21	5.596E-16	5.566E-09	2.987E-23	3.387E-02	7.277E-09	6.143E-06	3.371E-01
4.500E+04	5.099E-01	5.298E-22	3.762E-16	3.746E-09	1.300E-23	3.149E-02	5.265E-09	5.264E-06	3.361E-01
4.600E+04	5.141E-01	2.026E-22	2.137E-16	2.523E-09	5.711E-24	2.936E-02	4.023E-09	4.505E-06	3.394E-01
4.700E+04	5.181E-01	1.317E-22	1.229E-16	1.701E-09	2.509E-24	7.760E-02	3.032E-09	3.084E-06	3.360E-01
4.800E+04	5.219E-01	6.679E-23	7.115E-17	1.149E-09	1.109E-24	2.586E-02	2.309E-09	3.363E-06	3.339E-01
4.900E+04	5.253E-01	3.427E-23	6.149E-17	7.784E-10	6.930E-25	2.404E-02	1.707E-09	2.977E-06	3.320E-01
5.000E+04	5.285E-01	1.779E-23	2.420E-10	5.287E-10	2.208E-25	2.259E-02	1.365E-09	2.555E-06	3.319E-01

P/PD = 2.00E+02

T	E-	NM3	NM2	NM	N2M2	M	H2	H20	HO
5.000E+02	3.	8.012E-01	1.265E-20	3.212E-35	2.190E-20	1.915E-22	1.497E-01	1.526E-10	7.700E-22
6.000E+02	0.	5.379E-01	3.611E-17	6.162E-29	4.977E-26	1.935E-18	3.646E-01	1.296E-18	2.347E-21
7.000E+02	2.	2.797E-01	7.302E-15	8.246E-25	6.510E-21	1.319E-15	9.402E-01	1.071E-18	9.250E-21
8.000E+02	3.	1.257E-01	3.326E-13	1.197E-21	5.562E-19	1.663E-13	6.355E-01	9.310E-19	1.040E-20
9.000E+02	0.	5.705E-02	9.606E-12	3.195E-19	2.006E-17	6.965E-12	7.022E-01	8.415E-19	1.920E-20
1.000E+03	0.	2.824E-02	9.226E-12	2.706E-19	3.325E-16	1.372E-10	7.200E-01	8.217E-19	3.237E-20
1.100E+03	0.	1.545E-02	3.161E-10	1.010E-15	3.220E-15	1.572E-09	7.364E-01	7.001E-19	4.379E-20
1.200E+03	0.	9.235E-03	1.387E-09	6.054E-14	2.130E-16	1.205E-08	7.434E-01	7.613E-19	7.133E-20
1.300E+03	0.	5.649E-03	4.051E-09	2.622E-13	1.055E-13	6.752E-08	7.455E-01	7.310E-19	9.110E-20
1.400E+03	0.	4.075E-03	1.615E-09	3.224E-12	6.152E-13	2.971E-07	7.460E-01	7.010E-19	1.234E-19
1.500E+03	2.212E-04	2.936E-03	3.575E-08	1.539E-11	1.366E-12	1.079E-06	7.477E-01	6.715E-19	1.527E-19
1.600E+03	0.	2.066E-03	8.017E-08	8.040E-11	3.876E-12	3.722E-06	7.487E-01	6.414E-19	1.811E-19
1.700E+03	0.	6.313E-03	1.711E-03	1.662E-07	3.603E-10	9.752E-07	9.005E-01	6.114E-19	2.100E-19
1.800E+03	1.	3.866E-03	1.375E-03	3.098E-06	1.267E-06	2.722E-07	7.480E-01	5.839E-19	2.389E-19
1.900E+03	0.	6.230E-03	1.129E-03	9.656E-07	6.067E-07	6.455E-06	7.469E-01	5.569E-19	2.656E-19
2.000E+03	0.	5.682E-03	6.665E-04	9.118E-05	1.150E-05	9.054E-05	7.492E-01	5.349E-19	2.931E-19
2.100E+03	0.	3.634E-03	8.302E-04	1.668E-05	2.961E-05	1.655E-05	1.904E-01	5.113E-19	4.644E-19
2.200E+03	0.	4.652E-03	7.008E-03	2.204E-06	6.994E-06	2.802E-10	3.641E-01	5.492E-19	7.126E-19
2.300E+03	0.	3.053E-03	6.100E-04	3.235E-06	1.537E-05	6.770E-10	5.912E-01	7.735E-17	1.346E-17
2.400E+03	0.	1.692E-03	6.747E-06	6.500E-06	3.146E-07	7.603E-10	7.175E-01	6.058E-17	7.715E-17
2.500E+03	0.	1.334E-03	6.910E-06	6.392E-06	6.101E-07	1.247E-09	1.539E-01	4.170E-16	3.000E-16
2.600E+03	0.	6.469E-03	6.459E-06	8.357E-05	1.242E-06	1.735E-09	7.364E-01	1.721E-15	1.733E-15
2.700E+03	0.	1.332E-03	1.627E-05	1.970E-05	2.504E-05	3.646E-09	7.464E-01	1.394E-15	6.957E-15
2.800E+03	0.	6.652E-03	1.573E-04	4.546E-05	3.342E-05	3.524E-09	4.984E-01	7.453E-01	2.527E-14
2.900E+03	1.	3.493E-03	1.669E-04	1.043E-05	5.645E-05	4.622E-09	6.993E-01	6.755E-01	6.446E-14
3.000E+03	0.	6.651E-03	1.199E-04	2.296E-05	8.584E-05	6.313E-09	9.391E-01	7.613E-01	1.955E-13
3.100E+03	1.	2.133E-03	2.979E-04	2.816E-05	1.313E-05	9.708E-09	1.289E-01	7.385E-01	5.208E-13
3.200E+03	0.	3.214E-03	1.702E-04	3.636E-05	1.955E-05	1.112E-08	1.690E-01	1.305E-01	1.900E-12
3.300E+03	0.	7.916E-03	2.600E-04	6.085E-05	2.030E-05	1.615E-08	2.262E-01	7.905E-01	3.275E-12
3.400E+03	1.	1.859E-03	2.661E-04	6.791E-05	6.027E-05	1.773E-08	7.889E-02	7.252E-01	7.909E-12
3.500E+03	0.	6.122E-03	2.291E-04	9.502E-05	2.109E-05	2.109E-08	3.532E-02	7.109E-01	1.610E-11
3.600E+03	0.	6.789E-03	2.150E-04	6.432E-05	7.620E-05	2.664E-08	4.380E-02	7.114E-01	3.359E-09
3.700E+03	0.	1.800E-03	2.018E-04	7.313E-05	1.019E-04	3.199E-08	5.363E-02	7.028E-01	6.732E-11
3.800E+03	0.	3.550E-03	1.893E-04	8.276E-05	1.340E-04	3.793E-08	6.460E-02	6.922E-01	1.320E-10
3.900E+03	0.	6.763E-03	1.773E-04	9.251E-05	1.735E-04	4.661E-08	7.768E-02	6.817E-01	2.624E-10
4.000E+03	0.	1.246E-03	1.656E-04	1.024E-04	2.212E-04	9.160E-08	9.201E-02	6.692E-01	6.370E-10
4.100E+03	0.	2.234E-03	1.567E-04	1.124E-04	2.762E-04	9.002E-08	1.079E-01	6.552E-01	1.669E-09
4.200E+03	0.	6.200E-03	1.460E-04	1.223E-04	3.632E-04	6.650E-08	1.254E-01	6.399E-01	1.309E-09
4.300E+03	0.	6.602E-03	1.334E-04	1.319E-04	4.231E-04	7.653E-08	1.444E-01	6.232E-01	1.167E-09
4.400E+03	0.	1.393E-03	1.234E-04	1.411E-04	5.124E-04	8.250E-08	1.649E-01	6.051E-01	9.695E-09
4.500E+03	1.	7.708E-03	1.160E-04	1.493E-04	6.136E-04	9.059E-08	1.868E-01	5.859E-01	8.711E-09
4.600E+03	0.	2.004E-03	1.067E-04	1.576E-04	7.270E-04	9.861E-08	2.102E-01	5.634E-01	7.411E-09
4.700E+03	0.	6.755E-03	9.573E-05	1.646E-04	8.520E-04	1.099E-07	2.346E-01	5.439E-01	6.748E-09
4.800E+03	0.	6.630E-03	8.719E-05	9.908E-04	9.024E-04	1.124E-07	2.601E-01	5.219E-01	6.530E-09

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N00	N000	N0000	T	
2.803E-04	1.313E-01	1.903E-09	1.289E-09	0.784E-02	1.444E-04	3.471E-06	2.878E-15	0.	2.100E+04	
2.487E-04	1.193E-01	8.123E-08	9.576E-08	7.766E-02	1.254E-04	0.008E-06	2.129E-14	0.	2.200E+04	
4.133E-04	9.615E-02	4.334E-06	6.946E-06	6.652E-02	1.052E-04	1.722E-05	1.352E-13	0.	2.300E+04	
1.777E-04	8.091E-02	2.322E-06	4.994E-06	9.423E-02	9.501E-05	3.403E-05	7.513E-13	0.	2.400E+04	
1.446E-04	6.761E-02	1.230E-06	3.671E-06	1.007E-01	0.845E-05	6.660E-05	3.712E-12	0.	2.500E+04	
1.157E-04	5.629E-02	6.594E-07	2.410E-06	1.039E-01	9.374E-05	1.222E-04	1.652E-11	0.	2.600E+04	
9.140E-05	4.684E-02	3.562E-07	1.670E-06	1.010E-01	6.174E-05	2.146E-04	6.673E-11	0.	2.700E+04	
7.172E-05	3.900E-02	1.922E-07	1.162E-06	1.133E-01	3.224E-05	3.630E-05	2.491E-10	0.	2.800E+04	
5.616E-05	3.259E-02	1.050E-07	8.009E-07	1.157E-01	2.404E-05	9.404E-06	6.575E-10	0.	2.900E+04	
4.400E-05	2.734E-02	5.892E-08	5.650E-07	1.176E-01	9.918E-05	6.422E-06	7.746E-09	0.	3.000E+04	
3.474E-05	2.330E-02	3.337E-08	3.982E-07	1.184E-01	1.402E-05	1.455E-03	9.249E-09	0.	3.100E+04	
2.761E-05	1.991E-02	1.918E-06	2.619E-07	1.189E-01	1.150E-05	2.197E-03	2.327E-08	0.	3.200E+04	
2.215E-05	1.659E-02	1.110E-08	2.007E-07	1.186E-01	9.961E-06	3.205E-03	1.917E-08	0.	3.300E+04	
1.794E-05	1.415E-02	6.579E-09	1.435E-07	1.180E-01	7.023E-06	5.566E-03	1.562E-07	0.	3.400E+04	
1.376E-05	1.210E-02	3.931E-09	1.028E-07	1.167E-01	5.920E-06	6.400E-03	3.738E-07	0.	3.500E+04	
1.122E-05	1.039E-02	2.361E-09	7.364E-08	1.146E-01	4.352E-06	8.700E-03	8.500E-07	0.	3.600E+04	
1.034E-05	6.659E-03	1.426E-09	5.266E-08	1.118E-01	4.438E-06	1.167E-02	1.044E-06	1.436E-13	2.700E+04	
6.812E-06	7.560E-03	6.626E-10	3.751E-08	1.082E-01	2.718E-06	1.522E-02	3.825E-06	9.842E-13	3.800E+04	
7.631E-06	6.466E-03	5.213E-10	2.653E-09	1.039E-01	2.140E-06	1.939E-02	7.575E-06	2.197E-12	3.900E+04	
6.630E-06	5.469E-03	3.147E-10	1.660E-08	9.889E-04	1.695E-06	2.417E-02	1.439E-05	7.673E-12	4.000E+04	
5.642E-06	6.617E-03	1.890E-10	1.291E-08	9.310E-02	1.333E-06	2.945E-02	2.621E-05	2.499E-11	4.100E+04	
5.149E-06	3.816E-03	1.238E-09	1.285E-08	8.801E-03	8.049E-07	3.247E-06	5.514E-02	5.594E-05	7.617E-11	4.200E+04
4.558E-06	3.230E-03	6.690E-11	6.615E-09	8.043E-02	8.105E-07	4.100E-02	7.700E-05	2.183E-10	4.300E+04	
4.226E-06	2.686E-03	3.466E-11	6.036E-09	7.373E-02	8.377E-07	6.711E-02	1.266E-04	5.927E-10	4.400E+04	
3.824E-06	2.218E-03	2.305E-11	2.681E-09	6.704E-02	8.494E-07	5.300E-02	2.002E-04	1.515E-09	4.500E+04	
3.649E-06	1.819E-03	1.361E-11	1.766E-09	6.051E-02	8.262E-07	5.883E-02	3.072E-04	3.498E-09	4.600E+04	
3.229E-06	1.586E-03	7.762E-12	1.515E-09	5.627E-02	8.967E-07	6.425E-02	6.568E-04	6.623E-09	4.700E+04	
2.959E-06	1.210E-03	4.679E-12	7.467E-10	4.841E-02	2.263E-07	6.925E-02	6.685E-04	1.927E-08	4.800E+04	
2.738E-06	9.821E-04	3.580E-12	6.820E-10	6.295E-02	1.730E-07	7.375E-02	6.925E-04	4.193E-08	4.900E+04	
2.562E-06	7.992E-04	1.465E-12	3.101E-11	3.803E-02	1.932E-07	7.772E-02	1.920E-03	6.906E-08	5.000E+04	

P/PD = 2.000E+02

H-	N	N2	N2+	N+	N-	N00	N000	N0000	T
0.	6.4970E-02	7.278E-21	0.	0.	0.	0.	0.	0.	5.000E+02
0.	1.155E-01	1.112E-20	0.	0.	0.	0.	0.	0.	6.000E+02
0.	1.601E-01	1.399E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	2.100E-01	1.661E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	3.094E-30	1.166E-21	0.	0.	0.	0.	0.	0.	9.000E+02
0.	1.759E-20	2.357E-01	1.945E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.337E-20	2.624E-01	2.231E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.014E-21	2.461E-01	2.690E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.637E-21	2.707E-01	2.705E-20	0.	0.	0.	0.	0.	1.200E+03
0.	5.494E-10	2.605E-01	6.871E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.307E-10	2.690E-01	2.966E-20	1.004E-31	0.	0.	0.	0.	1.400E+03
0.	2.167E-15	2.693E-01	3.065E-20	9.507E-31	0.	0.	0.	0.	1.500E+03
0.	2.363E-16	2.696E-01	3.104E-20	6.670E-30	0.	0.	0.	0.	1.600E+03
0.	1.566E-31	2.695E-01	3.114E-20	3.401E-29	0.	0.	0.	0.	1.700E+03
0.	5.502E-28	1.791E-12	2.697E-01	3.100E-29	0.	0.	0.	0.	1.800E+03
0.	1.895E-25	6.972E-12	2.697E-01	3.070E-29	0.	0.	0.	0.	1.900E+03
0.	6.639E-23	1.163E-11	2.698E-01	3.067E-29	1.823E-27	0.	0.	0.	2.000E+03
0.	3.062E-21	1.259E-10	2.698E-01	6.192E-29	7.393E-27	6.356E-29	0.	0.	2.100E+03
0.	2.066E-20	2.698E-01	6.035E-19	6.650E-29	2.526E-27	0.	0.	0.	2.200E+03
0.	6.677E-19	1.377E-09	2.698E-01	1.665E-18	1.237E-26	5.364E-26	0.	0.	2.300E+03
0.	3.223E-16	3.926E-09	2.697E-01	5.695E-18	1.963E-23	7.404E-25	0.	0.	2.400E+03
0.	1.945E-17	1.020E-08	2.697E-01	2.680E-17	1.566E-22	8.694E-24	0.	0.	2.500E+03
0.	1.033E-15	2.523E-08	2.698E-01	1.124E-16	1.273E-21	6.420E-23	0.	0.	2.600E+03
0.	4.594E-16	2.955E-08	2.698E-01	6.466E-16	9.159E-21	6.890E-22	0.	0.	2.700E+03
0.	1.875E-15	1.233E-07	2.698E-01	1.660E-15	5.767E-20	6.850E-21	0.	0.	2.800E+03
0.	9.924E-15	2.357E-07	2.699E-01	6.223E-15	3.162E-19	2.970E-20	0.	0.	2.900E+03
0.	2.354E-14	4.493E-07	2.697E-01	1.357E-16	1.575E-18	5.615E-19	0.	0.	3.000E+03
0.	7.303E-14	9.129E-07	2.698E-01	7.724E-16	7.035E-18	7.070E-19	0.	0.	3.100E+03
0.	1.639E-13	1.637E-06	2.697E-01	9.607E-16	2.667E-17	3.467E-18	0.	0.	3.200E+03
0.	5.660E-13	2.672E-06	2.697E-01	2.363E-15	1.673E-16	3.393E-17	0.	0.	3.300E+03
0.	1.479E-12	4.750E-06	2.698E-01	5.632E-15	3.732E-16	5.169E-17	0.	0.	3.400E+03
0.	3.629E-12	7.730E-06	2.695E-01	1.323E-12	1.774E-15	1.766E-16	0.	0.	3.500E+03
0.	1.244E-12	2.694E-05	2.696E-01	3.670E-15	5.603E-15	5.632E-16	0.	0.	3.600E+03
0.	3.832E-11	1.849E-05	2.693E-01	5.107E-15	1.051E-14	1.466E-15	0.	0.	3.700E+03
0.	8.666E-11	2.652E-05	2.691E-01	1.016E-14	2.651E-14	4.757E-15	0.	0.	3.800E+03
0.	7.753E-11	4.712E-05	2.697E-01	1.039E-14	7.356E-14	1.210E-14	0.	0.	3.900E+03
0.	1.506E-10	3.937E-05	2.698E-01	3.562E-14	1.612E-13	7.222E-14	0.	0.	4.000E+03
0.	8.813E-10	6.669E-05	2.702E-01	6.790E-14	6.277E-13	7.790E-14	0.	0.	4.100E+03
0.	9.103E-10	1.211E-04	2.666E-01	1.109E-13	9.700E-13	1.005E-13	0.	0.	4.200E+03
0.	6.942E-10	1.666E-04	2.715E-01	1.063E-13	2.110E-12	6.010E-13	0.	0.	4.300E+03
0.	1.529E-09	2.295E-04	2.699E-01	1.212E-13	4.675E-12	6.973E-13	0.	0.	4.400E+03
0.	2.338E-05	3.022E-04	2.701E-01	9.666E-13	9.149E-12	1.760E-12	0.	0.	4.500E+03
0.	4.136E-09	3.973E-04	2.730E-01	8.269E-13	1.150E-13	3.57E-12	0.	0.	4.600E+03
0.	6.470E-09	5.167E-04	2.795E-01	3.972E-13	6.612E-13	6.612E-12	0.	0.	4.700E+03
0.	9.492E-09	6.652E-04	2.710E-01	1.042E-13	6.570E-13	1.270E-12	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
6.900E+03	9.932E-08	7.907E-05	1.754E-04	1.140E-03	1.193E-07	2.844E-01	6.984E-01	2.764E-08	8.382E-08
6.900E+03	1.163E-07	7.139E-05	1.770E-04	1.301E-03	1.250E-07	3.133E-01	6.766E-01	3.941E-08	1.247E-07
6.200E+03	3.027E-07	9.761E-05	1.635E-04	1.652E-03	1.339E-07	3.774E-01	4.701E-01	7.411E-08	2.630E-07
9.400E+03	9.717E-07	4.530E-05	1.630E-04	2.036E-03	1.391E-07	4.234E-01	3.774E-01	1.382E-07	5.224E-07
6.600E+03	1.160E-06	3.524E-05	1.782E-04	2.442E-03	1.406E-07	4.708E-01	3.301E-01	2.364E-07	9.844E-07
5.800E+03	1.952E-06	2.978E-05	1.697E-04	2.662E-03	1.386E-07	5.272E-01	2.853E-01	3.844E-07	1.767E-06
6.900E+03	3.327E-06	2.637E-05	1.591E-04	3.283E-03	1.393E-07	5.732E-01	2.640E-01	5.999E-07	3.037E-06
6.200E+03	5.677E-06	1.522E-05	1.464E-04	3.696E-03	1.289E-07	6.143E-01	2.070E-01	8.890E-07	5.020E-06
6.400E+03	8.692E-06	1.129E-05	1.333E-04	4.095E-03	1.194E-07	6.590E-01	1.704E-01	1.277E-06	8.010E-06
6.600E+03	1.342E-05	8.322E-06	1.199E-04	4.472E-03	1.091E-07	6.305E-01	1.662E-01	1.777E-06	1.238E-05
6.800E+03	2.017E-05	8.118E-06	1.070E-04	4.823E-03	9.444E-08	7.057E-01	1.222E-01	2.391E-06	1.858E-05
7.000E+03	2.960E-05	6.492E-06	9.476E-05	5.144E-03	8.970E-08	7.263E-01	1.020E-01	3.144E-06	2.710E-05
7.200E+03	4.251E-05	3.300E-06	8.367E-05	5.432E-03	8.710E-08	7.427E-01	8.920E-02	4.042E-06	3.883E-05
7.400E+03	5.937E-05	2.427E-06	7.319E-05	5.684E-03	8.147E-08	7.595E-01	7.122E-02	5.096E-06	5.427E-05
7.600E+03	8.284E-05	1.790E-06	6.393E-05	5.986E-03	6.296E-08	7.946E-01	5.965E-02	8.307E-06	7.439E-05
7.800E+03	1.128E-04	1.323E-06	5.566E-05	6.066E-03	5.912E-08	7.718E-01	5.011E-02	7.685E-06	1.701E-04
8.000E+03	1.513E-04	9.808E-07	4.631E-05	6.192E-03	4.790E-08	7.761E-01	4.223E-02	9.233E-06	1.326E-04
8.200E+03	2.003E-04	7.292E-07	4.181E-05	6.212E-03	4.130E-08	7.708E-01	3.572E-02	1.059E-05	1.729E-04
8.400E+03	2.617E-04	5.437E-07	3.099E-05	6.306E-03	3.934E-08	7.790E-01	3.033E-02	1.289E-05	2.224E-04
8.600E+03	3.381E-04	4.066E-07	3.137E-05	6.293E-03	3.006E-08	7.793E-01	2.594E-02	1.692E-05	2.823E-04
8.800E+03	4.320E-04	3.648E-07	2.667E-05	6.235E-03	2.925E-08	7.779E-01	2.219E-02	1.718E-05	3.546E-04
9.000E+03	5.463E-04	2.292E-07	2.059E-05	6.139E-03	2.109E-08	7.759E-01	1.904E-02	1.940E-05	4.405E-04
9.200E+03	6.483E-04	1.728E-07	1.932E-05	5.998E-03	1.770E-08	7.733E-01	1.646E-02	5.728E-05	5.420E-04
9.400E+03	8.495E-04	1.307E-07	1.665E-05	5.823E-03	1.436E-08	7.703E-01	1.431E-02	2.510E-05	6.610E-04
9.600E+03	1.045E-03	9.717E-08	1.180E-05	5.621E-03	1.172E-08	7.672E-01	1.249E-02	2.815E-05	7.997E-04
9.800E+03	1.276E-03	7.551E-08	1.200E-05	5.397E-03	9.511E-09	7.641E-01	1.096E-02	3.144E-05	9.606E-04
1.000E+04	1.564E-03	5.772E-08	1.025E-05	5.157E-03	7.674E-09	7.610E-01	9.660E-02	3.497E-05	1.146E-03
1.100E+04	3.641E-03	1.613E-08	4.790E-06	3.099E-03	2.514E-10	7.684E-01	5.503E-03	8.646E-05	2.947E-03
1.200E+04	7.453E-03	5.117E-09	2.138E-06	2.166E-03	8.320E-10	7.719E-01	3.637E-03	8.679E-05	9.342E-03
1.300E+04	1.384E-02	8.833E-08	1.060E-04	2.111E-03	2.949E-10	7.749E-01	2.283E-03	1.746E-04	9.086E-03
1.400E+04	2.307E-02	7.190E-10	5.367E-07	1.973E-03	1.131E-10	7.758E-01	1.474E-03	1.899E-04	1.513E-02
1.500E+04	3.621E-02	3.319E-10	3.076E-07	1.181E-03	6.573E-11	6.970E-01	1.117E-03	2.184E-04	2.359E-02
1.600E+04	5.359E-02	1.311E-10	1.666E-07	8.076E-04	1.913E-11	6.735E-01	7.949E-04	2.649E-04	3.677E-02
1.700E+04	7.511E-02	9.867E-11	9.265E-08	6.614E-04	8.126E-12	6.634E-01	5.733E-04	3.148E-04	4.887E-02
1.800E+04	1.009E-01	2.607E-11	5.122E-08	4.797E-04	6.857E-04	6.498E-01	4.680E-04	3.531E-04	6.771E-02
1.900E+04	1.301E-01	1.140E-11	2.794E-08	3.495E-04	1.626E-03	5.661E-01	2.871E-04	3.792E-04	8.512E-02
2.000E+04	1.618E-01	4.856E-12	1.477E-08	5.738E-04	5.210E-03	5.198E-01	1.984E-04	3.953E-04	1.704E-01
2.100E+04	1.940E-01	2.000E-12	1.375E-09	1.681E-04	2.232E-03	4.770E-01	1.345E-04	5.862E-04	1.793E-01
2.200E+04	2.302E-01	7.949E-13	1.092E-09	1.121E-04	5.455E-04	6.459E-01	1.046E-04	3.679E-04	1.527E-01
2.300E+04	2.601E-01	3.056E-13	1.056E-09	7.302E-05	3.039E-14	9.706E-01	5.785E-04	3.398E-04	1.758E-01
2.400E+04	3.492E-01	1.400E-13	8.025E-10	6.661E-05	1.064E-14	3.337E-01	3.692E-09	3.021E-06	1.980E-01
2.500E+04	5.176E-01	6.155E-14	4.121E-10	2.920E-05	3.689E-15	2.926E-01	2.323E-05	2.244E-06	2.187E-01
2.600E+04	8.420E-01	1.697E-14	1.903E-13	1.220E-05	1.258E-15	2.955E-01	1.647E-05	2.235E-06	2.379E-01
2.700E+04	1.336E-01	8.303E-15	8.791E-13	1.123E-05	6.210E-16	8.946E-01	8.946E-05	1.870E-06	2.593E-01
2.800E+04	1.919E-01	1.927E-15	6.332E-13	6.393E-06	1.463E-16	1.943E-01	5.540E-05	1.446E-06	2.693E-01
2.900E+04	2.707E-01	6.099E-16	1.072E-13	2.998E-06	5.074E-17	1.698E-01	3.442E-06	2.816E-06	2.816E-01
3.000E+04	4.111E-01	2.503E-16	8.793E-14	2.077E-06	1.793E-17	1.808E-01	2.140E-06	1.334E-06	2.927E-01
3.100E+04	6.727E-01	9.732E-17	4.193E-12	1.600E-06	3.137E-18	1.315E-01	8.410E-05	3.070E-05	3.207E-01
3.200E+04	11.324E-01	3.752E-17	2.034E-12	1.046E-06	2.392E-18	1.178E-01	8.592E-07	8.846E-05	3.056E-01
3.300E+04	1.609E-01	1.638E-17	1.004E-12	1.046E-07	9.061E-19	1.029E-01	5.527E-07	5.572E-05	3.164E-01
3.400E+04	2.408E-01	6.016E-18	9.051E-13	6.394E-07	3.522E-19	9.144E-02	3.599E-07	6.510E-05	3.218E-01
3.500E+04	4.191E-01	1.927E-15	6.332E-13	6.393E-06	1.463E-16	1.943E-01	5.540E-06	1.446E-06	2.693E-01
3.600E+04	6.707E-01	6.099E-16	1.072E-13	2.998E-06	5.074E-17	1.698E-01	3.442E-06	2.816E-06	2.816E-01
3.700E+04	1.003E+00	2.503E-16	8.793E-14	2.077E-06	1.793E-17	1.808E-01	2.140E-06	1.334E-06	2.927E-01
3.800E+04	1.411E+00	3.752E-17	2.034E-12	1.046E-06	9.061E-18	1.029E-01	8.592E-07	8.846E-05	3.164E-01
3.900E+04	1.823E+00	6.016E-20	1.627E-16	1.627E-06	3.522E-19	9.144E-02	3.599E-07	6.510E-05	3.218E-01
4.000E+04	2.305E+00	2.030E-20	6.332E-15	6.393E-06	1.463E-16	1.943E-02	1.335E-06	1.335E-05	2.727E-01
4.100E+04	3.000E+00	3.030E-20	7.125E-15	1.251E-07	2.364E-16	6.729E-02	1.079E-07	2.931E-05	3.324E-01
4.200E+04	3.700E+00	2.035E-20	3.631E-15	1.046E-07	5.070E-17	6.132E-02	7.364E-08	2.099E-04	3.347E-01
4.300E+04	4.400E+00	1.621E-20	9.632E-15	9.632E-08	5.070E-18	5.223E-02	5.948E-02	5.212E-03	3.361E-01
4.400E+04	5.100E+00	1.009E-20	1.621E-15	1.621E-08	5.070E-19	5.121E-02	5.321E-02	3.596E-03	3.379E-01
4.500E+04	5.800E+00	6.648E-21	6.648E-16	5.046E-09	5.070E-20	5.070E-02	4.197E-02	9.045E-03	3.397E-01
4.600E+04	6.500E+00	3.635E-21	2.035E-16	2.035E-09	5.070E-21	5.070E-02	7.746E-02	8.608E-03	3.353E-01
4.700E+04	7.200E+00	1.652E-21	2.035E-16	2.035E-09	5.070E-21	5.070E-02	3.021E-02	4.679E-02	3.336E-01
4.800E+04	7.900E+00	1.191E-21	1.652E-16	1.652E-09	5.070E-21	5.070E-02	2.029E-02	3.118E-02	3.324E-01
4.900E+04	8.227E+00	7.476E-21	7.381E-17	1.129E-09	1.129E-21	2.029E-02	2.302E-02	3.562E-02	3.318E-01
5.000E+04	8.263E+00	3.405E-21	6.362E-17	7.700E-10	5.215E-21	2.029E-02	1.650E-02	3.130E-02	3.304E-01

P/P0 = 2.20E-02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
5.000E+03	0.	5.095E-01	1.249E-20	3.079E-15	2.21W-20	1.707E-27	1.42W-21	1.523E-19	7.613E-22
5.000E+03	0.	5.532E-01	3.622E-17	6.024E-20	5.110E-24	1.810E-30	3.351E-01	1.304E-19	7.200E-21
5.000E+03	0.	5.995E-01	7.000E-15	8.071E-25	4.763E-21	1.246E-19	5.270E-01	1.083E-18	4.120E-21
5.000E+03	0.	1.355E-01	3.631E-13	1.046E-21	5.050E-19	1.377E-13	6.615E-01	6.395E-19	1.011E-20
5.000E+03	0.	6.200E-02	9.914E-12	2.170E-19	2.185E-17	6.623E-12	7.014E-01	8.645E-19	1.046E-20
5.000E+03	0.	3.700E-02	9.690E-11	2.699E-17	3.617E-16	1.305E-12	7.746E-01	8.746E-19	1.046E-20
5.000E+03	0.	1.696E-02	3.207E-10	1.009E-15	3.746E-15	1.696E-15	7.179E-01	8.733E-19	1

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	T
1.500E-08	8.470E-06	2.130E-01	2.895E-09	1.205E-10	2.330E-11	0.	0.	4.900E+03
2.229E-08	1.067E-03	2.056E-01	4.252E-09	2.15E-10	4.142E-11	0.	0.	5.000E+03
4.598E-08	1.659E-03	2.020E-01	9.033E-09	6.495E-10	1.215E-10	0.	0.	5.200E+03
8.640E-08	2.442E-03	1.944E-01	1.804E-08	1.608E-09	3.266E-10	0.	0.	5.400E+03
1.595E-07	3.567E-03	1.469E-01	3.441E-08	4.704E-09	8.111E-10	0.	0.	5.600E+03
2.719E-07	5.034E-03	1.755E-01	6.300E-08	1.151E-08	1.870E-09	0.	0.	5.800E+03
4.605E-07	6.939E-03	1.723E-01	1.112E-07	2.463E-08	4.090E-09	0.	0.	6.000E+03
6.821E-07	9.364E-03	1.656E-01	1.656E-07	5.862E-08	8.410E-09	6.075E-26	0.	6.200E+03
1.315E-06	1.260E-02	1.589E-01	3.163E-07	1.233E-07	1.647E-08	4.904E-25	0.	6.400E+03
1.457E-06	1.613E-02	1.522E-01	5.629E-07	2.484E-07	3.081E-08	3.513E-24	0.	6.600E+03
2.028E-06	2.455E-02	1.464E-01	7.926E-07	4.824E-07	5.524E-08	2.252E-23	0.	6.800E+03
2.747E-06	2.603E-02	1.403E-01	1.211E-06	9.010E-07	9.554E-08	1.304E-22	0.	7.000E+03
3.633E-06	3.234E-02	1.342E-01	1.802E-06	1.627E-06	1.959E-07	6.859E-22	0.	7.200E+03
6.705E-06	3.366E-02	1.279E-01	2.617E-06	2.464E-06	2.578E-07	3.303E-21	0.	7.400E+03
5.978E-06	4.798E-02	1.214E-01	3.709E-06	4.820E-06	4.046E-07	3.443E-23	0.	7.600E+03
7.474E-06	5.729E-02	1.146E-01	5.133E-06	7.931E-06	6.174E-06	6.000E-20	0.	7.800E+03
9.207E-06	6.754E-02	1.076E-01	6.937E-06	1.269E-05	9.177E-07	2.286E-19	0.	8.000E+03
1.119E-05	7.845E-02	1.003E-01	9.155E-06	1.974E-05	1.330E-06	6.135E-19	0.	8.200E+03
1.345E-05	9.067E-02	4.272E-02	1.106E-05	2.999E-05	1.083E-06	2.713E-18	0.	8.400E+03
1.594E-05	1.028E-01	0.5000E-02	1.687E-05	4.439E-05	2.606E-16	6.516E-18	0.	8.600E+03
1.881E-05	1.155E-01	7.722E-02	1.832E-05	6.417E-05	3.529E-06	2.522E-17	0.	8.800E+03
2.195E-05	1.263E-01	6.949E-02	2.207E-05	9.012E-05	4.618E-06	7.007E-17	0.	9.000E+03
2.554E-05	1.409E-01	1.493E-02	2.602E-05	1.255E-04	6.080E-06	1.892E-16	0.	9.200E+03
2.917E-05	1.531E-01	5.467E-02	3.005E-05	1.702E-04	7.766E-06	8.014E-16	0.	9.400E+03
3.328E-05	1.667E-01	7.672E-02	3.403E-05	2.245E-04	9.732E-06	1.171E-15	C.	9.600E+03
3.772E-05	1.754E-01	6.167E-02	3.704E-05	2.960E-04	1.199E-05	2.734E-15	0.	9.800E+03
4.251E-05	1.853E-01	3.568E-02	4.136E-05	3.085E-04	1.655E-05	6.139E-15	C.	1.000E+04
7.171E-05	2.191E-01	1.555E-02	5.302E-05	1.087E-03	3.141E-05	2.117E-15	0.	1.100E+04
1.392E-04	2.322E-01	6.546E-03	5.563E-05	2.932E-03	5.389E-05	3.831E-12	0.	1.200E+04
1.531E-04	2.337E-01	2.882E-03	5.360E-05	4.663E-03	8.012E-05	4.362E-11	0.	1.300E+04
2.004E-04	2.529E-01	1.355E-02	4.964E-05	6.031E-03	1.001E-04	3.501E-10	1.620E-24	0.
2.466E-04	2.263E-01	6.763E-05	4.683E-05	1.274E-02	1.353E-04	2.135E-09	1.032E-22	0.
2.880E-04	2.165E-01	3.514E-04	3.957E-05	1.892E-02	1.584E-04	1.343E-08	3.964E-21	0.
3.194E-04	2.039E-01	1.907E-04	3.410E-05	2.649E-02	1.755E-04	4.243E-08	1.622E-19	C.
3.378E-04	1.889E-01	1.446E-04	3.075E-05	3.533E-02	1.840E-04	1.402E-07	1.883E-18	0.
3.413E-04	1.720E-01	9.812E-05	2.337E-05	4.500E-02	1.830E-04	4.535E-07	2.583E-17	C.
3.302E-04	1.539E-01	3.242E-05	5.360E-05	5.532E-02	1.747E-04	1.253E-06	2.769E-16	0.
3.067E-04	1.355E-01	1.780E-05	1.292E-05	6.555E-02	1.592E-04	3.139E-06	2.437E-15	0.
2.744E-04	1.175E-01	9.749E-06	1.072E-05	7.532E-02	1.396E-04	7.250E-06	1.799E-14	0.
4.374E-04	1.006E-01	5.300E-06	7.645E-06	8.426E-02	1.183E-04	1.561E-05	1.160E-13	0.
1.456E-04	6.525E-02	4.665E-06	5.568E-06	9.211E-02	9.746E-05	3.159E-05	6.321E-13	C.
1.634E-04	7.122E-02	1.545E-06	4.017E-06	9.876E-02	7.650E-05	6.002E-05	3.116E-12	0.
1.322E-04	6.000E-02	6.345E-07	2.026E-06	1.043E-01	6.218E-05	1.110E-04	1.383E-11	0.
1.055E-04	5.025E-02	4.533E-07	1.973E-06	1.087E-01	4.870E-05	1.949E-04	5.591E-11	0.
8.323E-05	4.207E-02	2.648E-07	1.379E-06	1.121E-01	3.785E-05	3.297E-04	2.076E-10	0.
6.561E-05	3.530E-02	1.378E-07	9.659E-07	1.147E-01	2.939E-05	5.395E-04	7.132E-10	0.
5.170E-05	2.773E-02	7.743E-07	6.796E-07	1.166E-01	2.280E-05	8.545E-04	2.282E-09	0.
4.104E-05	2.515E-02	4.415E-08	4.807E-07	1.179E-01	1.772E-05	1.322E-03	6.839E-09	0.
3.276E-05	2.136E-02	2.553E-08	3.420E-07	1.186E-01	1.302E-05	1.987E-03	1.927E-08	0.
2.639E-05	1.621E-02	1.497E-08	2.466E-07	1.187E-01	1.082E-05	2.915E-03	5.129E-08	0.
2.144E-05	1.559E-02	8.886E-09	1.575E-07	1.182E-01	1.076E-05	1.219E-03	2.208E-07	0.
1.055E-04	5.222E-03	4.533E-07	1.973E-06	1.087E-01	4.870E-05	1.949E-04	5.591E-11	0.
8.323E-05	4.227E-02	2.648E-07	1.379E-06	1.121E-01	3.785E-05	3.297E-04	2.076E-10	0.
6.561E-05	3.530E-02	1.378E-07	9.659E-07	1.147E-01	2.939E-05	5.395E-04	7.132E-10	0.
5.170E-05	2.773E-02	7.743E-07	6.796E-07	1.166E-01	2.280E-05	8.545E-04	2.282E-09	0.
4.104E-05	2.515E-02	4.415E-08	4.807E-07	1.179E-01	1.772E-05	1.322E-03	6.839E-09	0.
3.276E-05	2.136E-02	2.553E-08	3.420E-07	1.186E-01	1.302E-05	1.987E-03	1.927E-08	0.
2.639E-05	1.621E-02	1.497E-08	2.466E-07	1.187E-01	1.082E-05	2.915E-03	5.129E-08	0.
2.144E-05	1.559E-02	8.886E-09	1.575E-07	1.182E-01	1.076E-05	1.219E-03	2.208E-07	0.
1.770E-05	1.336E-02	5.222E-03	1.265E-07	1.171E-01	6.710E-06	5.800E-03	3.095E-07	5.076E-15
1.475E-05	1.147E-02	3.220E-06	9.115E-08	1.153E-01	5.310E-06	7.988E-C3	7.054E-07	2.448E-14
1.245E-05	9.463E-03	1.575E-05	6.563E-08	1.126E-01	4.211E-06	1.088E-02	1.533E-06	1.083E-13
1.073E-05	6.443E-03	1.193E-09	4.706E-08	1.095E-01	3.343E-06	1.357E-02	3.189E-06	4.612E-13
9.185E-06	7.222E-03	2.727E-10	3.355E-08	1.054E-01	2.054E-06	1.787E-02	6.771E-36	1.064E-12
8.022E-06	4.155E-03	4.430E-10	2.373E-08	1.009E-01	2.105E-06	2.235E-02	1.206E-05	5.833E-12
7.077E-06	5.222E-03	2.687E-10	1.663E-08	9.550E-02	1.656E-06	2.737E-02	2.208E-05	1.907E-11
6.331E-06	4.408E-03	1.621E-10	1.154E-08	8.961E-02	1.314E-06	3.281E-02	3.887E-05	5.041E-11
5.655E-06	3.700E-03	9.720E-11	7.917E-09	8.333E-C2	1.034E-06	3.856E-02	6.579E-05	1.692E-10
5.112E-06	3.180E-03	5.370E-11	3.61CE-09	7.602E-02	6.397E-02	6.466E-02	1.083E-04	4.574E-10
4.651E-06	2.563E-03	3.427E-11	3.61CE-09	7.023E-02	6.302E-02	5.936E-02	1.720E-04	1.179E-05
4.254E-06	2.116E-03	2.017E-11	2.422E-09	6.374E-02	4.916E-07	5.611E-02	2.653E-24	2.891E-09
3.910E-06	1.739E-03	1.101E-11	1.585E-09	5.747E-02	3.009E-07	6.159E-02	3.981E-04	6.772F-09
3.660E-06	1.423E-03	6.888E-12	1.039E-09	5.153E-02	2.945E-07	6.670E-02	9.826E-04	1.52JE-08
3.342E-06	1.161E-03	4.008E-12	6.177E-10	4.595E-02	2.272E-07	7.136E-02	8.332E-04	3.20CE-08
3.134E-06	9.449E-04	2.329E-12	4.399E-10	4.067E-02	1.750E-07	7.552E-02	1.167E-03	6.823E-08

P/P0 = 2.20E+02

H-	N	N2	N2+	N+	N-	N++	N+++	T
0.	J.	6.763E-02	7.313E-21	C.	0.	0.	0.	5.000E+02
0.	O.	1.117E-01	1.124E-23	C.	0.	0.	0.	6.000E+02
0.	O.	1.763E-01	1.616E-20	0.	0.	0.	0.	7.000E+02
0.	O.	9.664E-39	2.162E-01	1.674E-23	0.	0.	0.	8.000E+02
0.	O.	1.673E-26	2.345E-01	1.955E-20	0.	0.	0.	9.000E+02
0.	O.	9.471E-24	2.423E-01	2.241E-20	0.	0.	0.	9.000E+02
0.	O.	1.023E-21	2.458E-01	2.500E-20	0.	0.	0.	1.000E+03
0.	O.	1.041E-19	2.475E-01	2.716E-20	0.	0.	0.	1.200E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H	H	H2	H2O	H+
1.300E+03	0.	6.534E-03	5.043E-09	2.623E-13	1.159E-13	6.436E-08	7.451E-01	7.360E-18	9.226E-20
1.400E+03	0.	6.479E-03	1.403E-08	2.323E-12	4.564E-13	2.032E-07	7.466E-01	7.068E-19	1.105E-19
1.500E+03	1.993E-34	3.228E-03	3.746E-08	1.539E-11	1.500E-12	1.925E-06	7.476E-01	6.773E-19	1.462E-19
1.600E+03	4.331E-31	2.425E-03	8.427E-08	8.046E-11	4.259E-12	3.167E-06	7.492E-01	6.476E-19	1.744E-19
1.700E+03	3.877E-28	1.887E-03	1.722E-07	3.463E-10	1.072E-11	8.585E-06	7.498E-01	6.191E-19	2.026E-19
1.800E+03	1.656E-25	1.512E-03	3.249E-07	1.267E-09	2.443E-11	2.086E-05	7.498E-01	5.913E-19	2.302E-19
1.900E+03	3.789E-23	1.241E-03	5.734E-07	4.046E-09	9.114E-11	4.624E-05	7.498E-01	5.647E-19	2.583E-19
2.000E+03	5.068E-21	1.041E-03	9.559E-07	1.150E-08	9.963E-11	9.476E-05	7.491E-01	5.428E-19	2.838E-19
2.133E+03	3.162E-19	8.889E-04	1.510E-06	2.961E-08	1.025E-10	1.615E-04	7.492E-01	7.091E-19	4.207E-19
2.200E+03	4.103E-18	7.708E-04	2.311E-06	6.994E-08	3.170E-10	3.201E-04	7.491E-01	2.940E-18	1.961E-18
2.300E+03	2.679E-17	6.775E-04	3.392E-06	1.533E-07	5.255E-10	5.677E-04	7.490E-01	1.672E-17	1.235E-17
2.400E+03	1.596E-16	6.024E-04	4.822E-06	3.146E-07	8.363E-10	9.263E-04	7.487E-01	8.725E-17	7.091E-17
2.500E+03	7.667E-16	5.410E-04	6.662E-06	6.101F-37	1.286E-09	1.463E-03	7.483E-01	4.331E-16	3.577E-16
2.600E+03	3.260E-15	4.901F-04	8.975E-06	1.124E-06	1.904E-09	2.233E-03	7.477E-01	1.661E-15	1.599E-15
2.700E+03	1.254E-14	4.475E-04	1.182E-05	1.978E-06	2.755E-09	3.493E-03	7.464E-01	6.175E-15	6.405E-15
2.800E+03	4.377E-14	4.110E-04	1.524E-05	3.363E-06	3.877E-09	4.755E-03	7.455E-01	2.093E-14	2.320E-14
2.900E+03	1.404E-13	3.796E-04	1.932E-05	5.447E-06	5.329E-09	6.669E-03	7.439E-01	6.532E-14	7.751E-14
3.000E+03	4.175E-13	3.522E-04	2.409E-05	8.587E-06	7.169E-09	9.147E-03	7.417E-01	1.091E-13	2.305E-13
3.100E+03	1.159E-12	3.281E-04	2.956E-05	1.314E-05	9.455E-09	1.229E-02	7.390E-01	5.119E-13	6.834E-13
3.200E+03	3.519E-12	3.065E-04	3.576E-05	1.956E-05	2.225E-08	1.621E-02	7.356E-01	1.303E-12	1.835E-12
3.300E+03	7.433E-12	2.870E-04	4.264E-05	2.846E	1.550E-08	2.101E-02	7.314E-01	3.135E-12	4.647E-12
3.400E+03	1.737E-11	2.692E-04	5.034E-05	4.031E-05	1.955E-08	2.681E-02	7.263E-01	7.167E-12	1.115E-11
3.500E+03	3.464E-11	2.528E-04	5.868E-05	5.601E-05	2.414E-08	3.371E-02	7.202E-01	1.563E-11	2.547E-11
3.600E+03	8.267E-11	2.375E-04	6.765E-05	7.633E-05	2.943E-08	4.181E-02	7.132E-01	3.263E-11	5.559E-11
3.700E+03	1.668E-10	2.231E-04	7.710E-05	1.021E-04	3.934E-08	5.121E-02	7.049E-01	6.544E-11	1.164E-10
3.800E+03	3.329E-10	2.095E-04	8.711E-05	1.344E-04	4.193E-08	6.200E-02	6.955E-01	1.764E-10	2.745E-10
3.900E+03	6.362E-10	1.965E-05	9.754E-05	1.740E-04	4.916E-08	7.423E-02	6.847E-01	2.360E-10	4.558E-10
4.000E+03	1.170E-09	1.840E-04	1.041E-04	2.221E-04	5.946E-08	8.795E-02	6.727E-01	6.265E-10	8.571E-10
4.100E+03	2.095E-09	1.720E-04	1.180E-04	2.796E-04	6.524E-08	1.032E-01	6.593E-01	7.477E-10	1.563E-09
4.200E+03	3.648E-09	1.604E-04	1.294E-04	3.470E-04	7.397E-08	1.200E-01	6.446E-01	1.274E-09	2.769E-09
4.300E+03	6.191E-09	1.692E-04	1.398E-04	4.256E-04	8.295E-08	1.383E-01	6.205E-01	2.114E-09	4.777E-09
4.400E+03	1.025E-08	1.583E-04	1.467E-04	5.159E-04	9.209E-08	1.581E-01	6.112E-01	3.421E-09	8.034E-09
4.500E+03	1.660E-08	1.273E-04	1.591E-04	6.184E-04	1.012E-07	1.792E-01	5.926E-01	5.407E-09	1.320E-08
4.600E+03	2.631E-08	1.177E-04	1.670E-04	7.335E-04	1.102E-07	2.017E-01	5.727E-01	0.355E-09	2.122E-08
4.700E+03	4.387E-08	1.079E-04	1.757E-04	8.612E-04	1.184E-07	2.253E-01	5.520E-01	1.264E-08	3.340E-08
4.800E+03	6.230E-08	9.862E-05	1.825E-04	1.092E-03	1.270F-07	2.5C0E-01	5.303E-01	1.874E-08	5.159E-08
4.900E+03	9.330E-08	8.973E-05	1.802E-04	1.154E-03	1.346E-07	2.756E-01	5.078E-01	2.726E-08	7.812E-08
5.000E+03	1.374E-07	8.130E-05	1.928E-04	1.319E-03	1.414E-07	3.219E-01	4.866E-01	3.895E-08	1.163E-07
5.200E+03	2.845E-07	6.988E-05	1.902E-04	1.680F-03	1.523E-07	3.557E-01	4.371E-01	7.551E-08	2.456E-07
5.400E+03	5.567E-07	5.248E-05	1.987E-04	2.077E-03	1.592E-07	4.100E-01	5.892E-01	1.375E-07	8.889E-07
5.600E+03	1.036E-06	4.112E-05	1.967E-04	2.500E-03	1.619E-07	4.670E-01	3.422E-01	2.365E-07	9.224E-07
5.800E+03	1.611E-05	3.175E-05	1.867E-04	2.938E-03	1.606E-07	5.133E-01	2.975E-01	3.885E-07	1.659E-06
6.000E+03	3.141E-06	2.419E-05	1.759E-04	3.380E-03	1.560E-07	5.597E-01	2.559E-01	4.028E-07	2.856E-06
6.200E+03	5.167E-06	1.823E-05	1.630E-04	3.816E-03	1.488E-07	6.015E-01	2.183E-01	9.018E-07	6.729E-06
6.400E+03	8.223E-06	1.363E-05	1.490E-04	4.239E-03	1.398E-07	6.382E-01	1.849E-01	1.300E-06	7.557E-06
6.600E+03	1.273E-05	1.012E-05	1.344E-04	4.644E-03	1.293E-07	6.697E-01	1.558E-01	1.813E-06	1.170E-05
6.800E+03	1.911E-05	7.493E-06	1.208E-04	5.017E-03	1.184E-07	6.961E-01	1.309E-01	2.455E-05	1.759E-05
7.000E+03	2.807E-05	5.537E-06	1.374E-04	5.364E-03	1.074E-07	7.179E-01	1.097E-01	3.239E-06	2.576E-05
7.200E+03	4.034E-05	4.949E-06	9.499E-04	5.676E-03	9.651E-09	7.454E-01	9.197E-02	4.177E-06	3.688E-05
7.400E+03	5.688E-05	3.025E-06	6.360E-05	5.950E-03	8.600E-08	7.492E-01	7.707E-02	5.278E-06	5.154E-05
7.600E+03	7.668E-05	2.241E-06	7.327E-05	6.184E-03	7.621E-08	7.597E-01	6.474E-02	6.550E-06	7.072E-05
7.800E+03	1.072E-04	1.664E-06	6.400E-05	6.376E-03	6.698E-08	7.674E-01	5.451E-02	7.999E-06	9.528E-05
8.000E+03	1.438E-04	1.239E-06	5.573E-05	6.522E-03	5.445E-08	7.724E-01	4.604E-02	9.629E-06	1.243E-04
8.200E+03	1.904E-04	9.249E-07	4.838E-05	6.620E-03	5.679E-08	7.763E-01	3.902E-02	1.164E-05	1.644E-04
8.400E+03	2.640E-04	6.923E-07	4.180E-05	6.671E-03	4.350E-08	7.775E-01	3.319E-02	1.264E-05	2.121E-04
8.600E+03	3.214E-04	5.196E-07	3.616E-05	6.673E-03	3.707E-08	7.778E-01	2.834E-02	1.583E-05	2.694E-04
8.800E+03	4.130E-04	3.910E-07	3.114E-05	6.627E-03	3.138E-08	7.768E-01	2.430E-02	1.802E-05	3.386E-04
9.000E+03	5.199E-04	2.950E-05	2.675E-05	6.537E-03	2.633E-08	7.772E-01	2.093E-02	2.060E-05	4.208E-04
9.230E+03	6.539E-04	2.232E-07	2.293E-05	6.405E-03	2.193E-08	7.729E-01	1.811E-02	2.338E-02	5.170E-04
9.400E+03	8.080E-04	1.673E-07	1.901E-05	6.230E-03	1.812E-08	7.702E-01	1.574E-02	2.638E-05	6.317E-04
9.600E+03	1.045E-04	1.289E-07	1.675E-05	6.035E-03	1.487E-08	7.673E-01	1.379E-02	2.904E-05	7.644E-04
9.830E+03	1.214E-03	9.841E-08	1.629E-05	5.809E-03	1.212E-08	7.643E-01	1.206E-02	3.377E-05	9.181E-04
1.000E+04	1.471E-03	7.542E-08	1.217E-05	5.565E-03	9.828E-09	7.614E-01	1.063E-02	3.679E-05	1.095E-03
1.100E+04	3.467E-03	2.128E-08	5.649E-06	4.260E-03	5.203E-09	7.488E-01	6.059E-03	5.979E-05	2.433E-03
1.200E+04	7.102E-03	6.794E-08	2.579E-06	3.142E-03	1.101E-09	7.395E-01	3.785E-03	6.112E-05	4.813E-03
1.300E+04	1.305E-02	2.441E-09	1.284E-06	2.322E-03	3.937E-10	7.299E-01	2.517E-03	1.310E-04	6.671E-03
1.400E+04	2.201E-02	9.636E-13	6.737E-07	1.730E-03	1.514E-10	7.172E-01	1.742E-03	1.781E-04	1.444E-02
1.500E+04	3.459E-02	4.069E-10	3.672E-07	1.308E-03	6.167E-11	6.997E-01	1.236E-03	2.301E-04	2.253E-02
1.620E+04	5.117E-02	1.791E-10	2.045E-07	9.866E-04	2.603E-11	6.767E-01	8.879E-04	2.814E-04	1.327E-02
1.700E+04	7.194E-02	8.043E-11	1.167E-07	7.391E-04	1.116E-11	6.470E-01	6.393E-04	3.339E-04	4.671E-02
1.800E+04	9.670E-02	3.619E-11	6.397E-08	5.462E-04	4.774E-12	6.171E-01	4.578E-04	3.745E-04	6.292E-02
1.900E+04	1.269E-01	3.514E-08	3.948E-06	3.901E-04	2.011E-12	5.734E-01	3.240E-04	4.051E-04	8.162E-02
2.000E+04	1.557E-01	6.939E-08	1.088E-06	2.808E-04	8.245E-13	5.297E-01	2.255E-04	4.195E-04	1.024E-01
2.100E+04	1.879E-01	9.872E-09	1.940E-04	3.272E-04	4.875E-01	1.540E-04	4.175E-04	4.245E-01	2.632E-01
2.200E+04	2.205E-01	1.181E-12	5.019E-09	1.308E-04	1.254E-13	4.365E-01	1.031E-04	4.700E-04	1.473E-01
2.300E+04	2.522E-0								

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N+	N++	N+++	T
0.	5.610E-18	2.484E-01	2.880E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.322E-16	2.489E-01	3.011E-20	1.041E-31	0.	0.	0.	0.	1.400E+03
0.	2.204E-15	2.492E-01	3.092E-01	9.221E-31	0.	0.	0.	0.	1.500E+03
5.035E-36	2.253E-14	2.494E-01	3.136E-20	6.172E-30	0.	0.	0.	0.	1.600E+03
7.635E-31	1.872E-13	2.495E-01	3.151E-20	3.281E-29	0.	0.	0.	0.	1.700E+03
5.174E-28	1.231E-12	2.496E-01	3.142E-20	1.440E-28	0.	0.	0.	0.	1.800E+03
1.780E-25	6.648E-12	2.497E-01	3.115E-20	5.382E-28	0.	0.	0.	0.	1.900E+03
3.416E-23	3.035E-11	2.497E-01	3.094E-20	1.765E-27	0.	0.	0.	0.	2.000E+03
2.941E-21	1.200E-10	2.498E-01	4.161E-20	6.998E-27	5.816E-29	0.	0.	0.	2.100E+03
5.189E-20	4.190E-13	2.498E-01	6.775E-19	7.979E-26	2.485E-27	0.	0.	0.	2.200E+03
6.626E-19	1.313E-09	2.498E-01	1.030E-18	1.137E-24	4.984E-26	0.	0.	0.	2.300E+03
3.237E-18	3.743E-09	2.497E-01	5.490E-18	1.379E-23	7.322E-25	0.	0.	0.	2.400E+03
1.921E-17	9.817E-09	2.497E-01	2.584E-17	1.385E-22	8.594E-24	0.	0.	0.	2.500E+03
9.913E-17	2.392E-08	2.496E-01	1.084E-16	1.168E-21	8.326E-23	0.	0.	0.	2.600E+03
4.525E-16	5.457E-08	2.495E-01	4.090E-16	8.432E-21	4.805E-22	0.	0.	0.	2.700E+03
1.850E-15	1.174E-07	2.493E-01	1.411E-15	5.294E-20	4.707E-21	0.	0.	0.	2.800E+03
6.859E-15	2.397E-07	2.491E-01	4.469E-15	2.932E-19	2.938E-20	0.	0.	0.	2.900E+03
2.326E-14	4.665E-07	2.488E-01	1.313E-14	1.451E-18	1.596E-19	0.	0.	0.	3.000E+03
7.279E-14	6.711E-07	2.484E-01	3.603E-14	6.489E-18	7.764E-19	0.	0.	0.	3.100E+03
2.114E-13	1.561E-06	2.479E-01	9.301E-14	2.646E-17	4.116E-18	0.	0.	0.	3.200E+03
5.765E-13	2.703E-06	2.473E-01	2.270E-13	9.922E-17	1.372E-17	0.	0.	0.	3.300E+03
1.476E-12	4.531E-06	2.465E-01	5.266E-13	3.447E-16	5.071E-17	0.	0.	0.	3.400E+03
3.975E-12	7.373E-06	2.457E-01	1.165E-12	1.116E-15	1.737E-16	0.	0.	0.	3.500E+03
8.226E-12	1.688E-05	2.446E-01	2.476E-12	3.392E-15	5.549E-16	0.	0.	0.	3.600E+03
1.805E-11	1.803E-05	2.435E-01	5.033E-12	9.718E-15	1.660E-15	0.	0.	0.	3.700E+03
3.790E-11	2.721E-05	2.421E-01	9.890E-12	2.637E-14	4.683E-15	0.	0.	0.	3.800E+03
7.640E-11	6.020E-05	2.405E-01	1.879E-11	6.806E-14	1.250E-14	0.	0.	0.	3.900E+03
1.483E-10	5.621E-05	2.388E-01	4.460E-11	1.677E-12	3.172E-14	0.	0.	0.	4.000E+03
2.775E-10	8.275E-05	2.368E-01	6.191E-11	3.959E-13	7.677E-16	0.	0.	0.	4.100E+03
5.032E-10	1.156E-04	2.347E-01	1.078E-10	8.979E-13	1.778E-13	0.	0.	0.	4.200E+03
8.052E-10	1.590E-04	2.323E-01	1.831E-10	1.963E-12	3.956E-12	0.	0.	0.	4.300E+03
1.511E-09	2.159E-04	2.298E-01	3.037E-13	4.144E-12	8.448E-13	0.	0.	0.	4.400E+03
2.510E-05	2.678E-04	2.270E-01	6.927E-10	8.473E-12	1.743E-12	0.	0.	0.	4.500E+03
4.064E-09	3.795E-04	2.241E-01	7.637E-12	1.601E-11	3.577E-12	0.	0.	0.	4.600E+03
6.422E-09	4.951E-04	2.210E-01	1.222E-09	3.242E-11	6.721E-12	0.	0.	0.	4.700E+03
9.918E-09	6.361E-04	2.174E-01	1.873E-09	6.391E-11	1.261E-11	0.	0.	0.	4.800E+03
1.459E-08	8.101E-04	2.144E-01	2.021E-09	1.116E-10	2.302E-11	0.	0.	0.	4.900E+03
2.219E-08	1.022E-03	2.109E-01	4.183E-09	1.999E-10	4.092E-11	0.	0.	0.	5.000E+03
4.592E-08	5.592E-03	2.036E-01	8.005E-09	6.013E-10	1.202E-10	0.	0.	0.	5.200E+03
8.058E-08	2.357E-03	1.962E-01	1.759E-08	1.674E-09	3.236E-10	0.	0.	0.	5.400E+03
1.640E-07	3.417E-03	1.887E-01	3.355E-08	3.056E-09	8.051E-10	0.	0.	0.	5.600E+03
2.746E-07	6.424E-03	1.813E-01	6.136E-08	1.063E-08	1.866E-09	0.	0.	0.	5.800E+03
4.466E-07	6.651E-03	1.741E-01	1.092E-07	2.456E-08	4.071E-09	0.	0.	0.	6.000E+03
6.942E-07	9.766E-03	1.672E-01	1.846E-07	5.466E-08	8.386E-09	5.389E-26	0.	0.	6.200E+03
1.037E-06	1.188E-02	1.606E-01	3.053E-07	1.136E-07	1.643E-08	4.363E-25	0.	0.	6.400E+03
1.453E-06	1.546E-02	1.546E-01	4.91CE-07	2.268E-07	3.076E-08	3.104E-24	0.	0.	6.600E+03
2.085E-06	1.980E-02	1.480E-01	7.688E-07	4.433E-07	5.525E-08	1.987E-23	0.	0.	6.800E+03
2.833E-06	2.496E-02	1.419E-01	1.173E-06	8.282E-07	9.557E-08	1.149E-22	0.	0.	7.000E+03
3.755E-06	3.104E-02	1.358E-01	1.747E-06	4.455E-06	1.597E-07	6.038E-22	0.	0.	7.200E+03
4.873E-06	3.806E-02	1.295E-01	2.538E-06	2.613E-06	2.586E-07	2.905E-21	0.	0.	7.400E+03
6.144E-06	4.606E-02	1.231E-01	3.600E-06	4.629E-06	4.059E-07	1.287E-20	0.	0.	7.600E+03
7.666E-06	5.940E-02	1.164E-01	4.988E-06	7.291E-06	6.200E-07	5.777E-20	0.	0.	7.800E+03
9.543E-06	6.496E-02	1.095E-01	6.751E-06	1.167E-05	9.227E-07	2.012E-19	0.	0.	8.000E+03
1.166E-05	7.573E-02	1.023E-01	9.929E-06	1.819E-05	1.333E-06	7.165E-19	0.	0.	8.200E+03
1.403E-05	8.723E-02	9.446E-02	1.154E-05	2.764E-05	1.899E-06	2.392E-18	0.	0.	8.400E+03
1.668E-05	9.931E-02	6.721E-02	4.054E-05	4.058E-05	2.032E-06	7.518E-18	0.	0.	8.600E+03
1.985E-05	1.110E-01	7.951E-02	1.803E-05	5.935E-05	3.572E-06	2.232E-17	0.	0.	8.800E+03
2.296E-05	1.244E-01	7.183E-02	2.180E-05	8.607E-05	4.767E-06	6.278E-17	0.	0.	9.000E+03
2.636E-05	1.369E-01	6.430E-02	2.582E-05	1.666E-04	6.106E-06	1.679E-16	0.	0.	9.200E+03
3.052E-05	1.491E-01	5.702E-02	2.995E-05	1.984E-04	7.912E-06	4.202E-16	0.	0.	9.400E+03
3.483E-05	1.607E-01	5.010E-02	3.407E-05	2.113E-04	6.934E-06	1.044E-15	0.	0.	9.600E+03
3.945E-05	1.716E-01	4.365E-02	3.806E-05	2.767E-04	1.228E-05	2.442E-15	0.	0.	9.800E+03
4.452E-05	1.816E-01	3.773E-02	4.161E-05	3.569E-04	1.493E-05	5.499E-15	0.	0.	1.000E+04
5.151E-05	1.976E-01	1.677E-02	5.456E-05	1.024E-03	3.258E-05	1.910E-13	0.	0.	1.100E+04
1.145E-04	2.319E-01	7.140E-03	5.791E-05	2.311E-03	5.621E-05	3.672E-12	0.	0.	1.200E+04
1.667E-04	2.555E-01	3.166E-03	5.611E-05	4.442E-03	8.395E-05	3.962E-11	0.	0.	1.300E+04
2.110E-04	2.932E-01	1.464E-03	5.217E-05	7.662E-03	1.136E-04	3.183E-10	1.404E-24	0.	0.
2.620E-04	2.270E-01	7.490E-04	4.727E-05	1.217E-02	1.524E-04	1.942E-09	6.933E-23	0.	0.
3.042E-04	1.777E-01	3.934E-04	4.189E-05	1.009E-02	1.077E-04	9.491E-09	3.449E-21	0.	0.
3.385E-04	2.057E-01	2.135E-04	3.627E-05	2.539E-02	1.064E-04	3.864E-09	8.033E-20	0.	0.
3.955E-04	1.912E-01	1.162E-04	3.036E-05	3.393E-02	1.963E-04	1.350E-07	1.612E-18	0.	0.
3.651E-04	1.799E-01	6.135E-05	2.517E-05	4.541E-02	1.972E-01	4.151E-07	2.212E-17	0.	0.
3.533E-04	1.573E-01	3.705E-05	2.012E-05	5.742E-02	1.890E-04	1.143E-06	2.187E-16	0.	0.
3.322E-04	1.334E-01	2.004E-05	1.565E-05	6.350E-02	1.736E-04	2.066E-06	2.098E-15	0.	0.
2.954E-04	1.215E-01	1.146E-05	1.185E-05	7.321E-02	1.535E-04	6.226E-06	1.366E-14	0.	0.
2.610E-04	1.037E-01	6.308E-06	8.777E-06	8.218E-02	1.312E-04	1.427E-05	9.776E-14	0.	0.
2.212E-04	6.922E-02	3.452E-06	6.375E-06	9.019E-02	1.091E-04	2.891E-05	5.410E-13	0.	0.
1.831E-04	7.551E-02	1.684E-06	4.566E-06	9.700E-02	8.662E-05	5.951E-05	2.661E-12	0.	0.
1.486E-04	6.301E-02	1.029E-06	3.235E-06	1.027E-01	7.077E-05	1.017E-04	1.179E-11	0.	0.
1.193E-04	5.366E-02	5.646E-07	2.200E-06	1.023E-01	5.584E-05	1.786E-04	4.750E-11	0.	0.
8.517E-05	4.497E-02	3.123E-07	1.605E-06	1.110E-01	4.374E-05	3.022E-04	1.762E-10	0.	0.
7.532E-05	3.769E-02	1.766E-07	1.131E-06	1.131E-01	3.414E-05	4.047E-04	8.043E-10	0.	0.
5.976E-05	3.203E-02	9.883E-08	8.000E-07	1.154E-01	2.662E-05	7.853E-04	1.931E-09	0.	0.
4.759E-05	2.710E-02	5.671E-08	5.689E-07	1.174E-01	2.079E-05	1.212E-03	5.777E-09	0.	0.
3.619E-05	2.313E-02	3.299E-08	4.066E-07	1.182E-01	1.62L-05	1.623E-03	1.627E-08	0.	0.
2.645E-05	1.971E-02	1.455E-08	2.920E-07	1.185E-01	1.280E-05	2.675E-03	4.326E-08	0.	0.
2.519E-05	1.696E-02	1.169E-08	2.107E-07	1.181E-01	1.009E-05	3.033E-03	1.390E-07	0.	0.

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.509E-01	4.563E-18	3.970E-13	3.719E-07	2.587E-19	8.891E-02	3.039E-07	4.376E-05	3.220E-01
3.600E+04	4.572E-01	1.959E-18	2.085E-13	2.457E-07	1.059E-19	8.029E-02	2.038E-07	3.609E-05	3.267E-01
3.700E+04	4.631E-01	8.602E-19	1.110E-13	1.631E-07	4.421E-20	7.202E-02	1.384E-07	2.988E-05	3.298E-01
3.800E+04	4.688E-01	3.856E-19	5.990E-14	1.094E-07	1.875E-20	6.632E-02	9.520E-08	2.484E-05	3.322E-01
3.900E+04	4.740E-01	1.763E-19	3.275E-14	7.379E-08	6.059E-21	6.063E-02	6.626E-08	2.073E-05	3.339E-01
4.000E+04	4.792E-01	8.199E-20	1.811E-14	4.988E-08	3.502E-21	5.562E-02	4.667E-08	1.738E-05	3.350E-01
4.100E+04	4.843E-01	3.874E-20	1.011E-14	3.301E-08	1.534E-21	5.120E-02	3.324E-08	1.463E-05	3.356E-01
4.200E+04	4.893E-01	1.858E-20	5.693E-15	2.296E-08	6.768E-22	4.727E-02	2.394E-08	1.237E-05	3.357E-01
4.300E+04	4.943E-01	9.324E-21	3.231E-15	1.562E-08	3.000E-22	4.377E-02	1.742E-08	1.050E-05	3.355E-01
4.400E+04	4.991E-01	4.437E-21	1.846E-15	1.043E-08	1.335E-22	4.064E-02	1.280E-08	8.951E-06	3.350E-01
4.500E+04	5.037E-01	2.207E-21	1.042E-15	7.261E-09	5.961E-23	3.702E-02	9.698E-09	7.666E-06	3.344E-01
4.600E+04	5.082E-01	1.110E-21	6.146E-16	4.934E-09	2.671E-23	3.528E-02	7.112E-09	6.592E-06	3.336E-01
4.700E+04	5.124E-01	5.645E-22	3.579E-16	3.368E-09	1.202E-23	3.299E-02	5.372E-09	5.693E-06	3.327E-01
4.800E+04	5.164E-01	2.901E-22	2.098E-16	2.301E-09	5.431E-24	3.597E-02	4.092E-C9	4.937E-06	3.318E-01
4.900E+04	5.201E-01	1.507E-22	1.238E-16	1.575E-09	2.467E-24	2.900E-02	3.142E-09	4.299E-06	3.309E-01
5.000E+04	5.236E-01	7.910E-23	7.355E-17	1.001E-09	1.128E-24	2.727E-02	2.432E-09	3.758E-06	3.300E-01

P/PO = 2.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	8.168E-01	1.230E-20	2.961E-35	2.239E-28	1.678E-22	1.374E-01	1.539E-18	7.462E-22
6.000E+02	0.	5.670E-01	3.390E-17	3.900E-29	5.245E-24	1.710E-18	3.248E-01	1.321E-18	2.255E-21
7.000E+02	0.	3.090E-01	7.599E-15	7.909E-25	4.950E-21	1.180E-15	5.183E-01	1.095E-18	5.014E-21
8.000E+02	0.	1.445E-01	3.527E-13	1.711E-21	6.392E-19	1.502E-13	6.417E-01	9.479E-19	9.819E-21
9.000E+02	0.	6.701E-02	6.120E-12	3.161E-19	2.359E-17	6.324E-12	6.997E-01	8.712E-19	1.782E-20
1.000E+03	0.	3.352E-02	5.678E-11	2.691E-17	3.946E-16	1.249E-10	7.249E-01	8.279E-19	2.978E-20
1.100E+03	0.	1.842E-02	3.425E-10	1.007E-15	3.850E-15	1.433E-09	7.362E-01	7.963E-19	4.588E-20
1.200E+03	0.	1.104E-02	1.515E-09	2.050E-14	2.554E-14	1.797E-08	7.477E-01	7.675E-19	6.578E-20
1.300E+03	0.	7.122E-03	5.304E-09	2.619E-13	1.263E-13	6.160E-08	7.447E-01	7.398E-19	8.808E-20
1.400E+03	0.	4.842E-03	1.548E-08	2.322E-12	4.974E-13	2.711E-07	7.463E-01	7.113E-19	1.142E-19
1.500E+03	1.813E-34	3.519E-03	3.913E-08	1.538E-11	1.635E-12	9.415E-07	7.474E-01	6.824E-19	1.410E-19
1.600E+03	3.934E-31	2.665E-03	8.799E-08	8.046E-11	4.666E-12	3.032E-06	7.480E-01	6.537E-19	1.688E-19
1.700E+03	3.516E-28	2.058E-03	1.798E-07	3.466E-10	1.169E-11	8.219E-04	7.484E-01	6.255E-19	1.960E-19
1.800E+03	1.500E-25	1.649E-03	3.393E-07	1.267E-09	2.066E-11	1.997E-05	7.488E-01	5.982E-19	2.230E-19
1.900E+03	3.428E-23	1.354E-03	5.988E-07	4.066E-09	5.577E-11	6.427E-05	7.489E-01	5.721E-19	2.491E-19
2.000E+03	4.582E-21	1.135E-03	9.983E-07	1.515E-08	1.307E-10	9.072E-05	7.491E-01	5.503E-19	2.755E-19
2.100E+03	2.916E-20	9.695E-04	1.585E-06	2.901E-08	1.991E-10	1.738E-07	7.491E-01	7.050E-19	4.006E-19
2.200E+03	3.952E-18	8.434E-04	2.414E-06	6.933E-08	3.456E-10	3.141E-04	7.491E-01	2.861E-18	1.822E-18
2.300E+03	2.729E-17	7.390E-04	3.543E-06	1.533E-07	5.732E-10	5.397E-04	7.490E-01	1.617E-17	1.143E-17
2.400E+03	1.513E-16	6.571E-04	5.036E-06	3.148E-07	9.123E-10	8.868E-04	7.487E-01	6.436E-17	6.565E-17
2.500E+03	7.265E-16	5.902E-04	6.958E-06	6.101E-07	1.404E-09	1.401E-03	7.488E-01	3.900E-16	3.313E-16
2.600E+03	3.095E-15	5.347E-04	9.375E-06	1.124E-06	2.082E-09	2.138E-03	7.477E-01	3.046E-12	4.321E-12
2.700E+03	1.187E-14	4.881E-04	1.235E-05	1.978E-06	3.006E-09	3.163E-03	7.469E-01	5.980E-15	5.939E-15
2.800E+03	4.142E-14	4.485E-04	1.594E-05	3.343E-06	4.231E-09	4.551E-03	7.457E-01	2.028E-15	2.159E-14
2.900E+03	1.328E-13	4.143E-04	2.020E-05	5.446E-06	5.816E-09	6.308E-03	7.441E-01	6.333E-14	7.196E-14
3.000E+03	3.947E-13	3.845E-04	2.518E-05	8.549E-06	7.825E-09	8.760E-03	7.420E-01	1.075E-13	2.215E-13
3.100E+03	1.095E-12	3.582E-04	3.090E-05	1.314E-05	1.023E-08	1.177E-02	7.394E-01	4.969E-13	6.349E-13
3.200E+03	2.452E-12	3.348E-04	3.739E-05	1.957E-05	1.337E-08	1.553E-02	7.361E-01	1.265E-12	1.707E-12
3.300E+03	7.319E-12	3.137E-04	4.465E-05	2.846E-05	1.704E-08	2.011E-02	7.312E-01	3.046E-12	4.321E-12
3.400E+03	1.640E-11	2.944E-04	5.267E-05	4.035E-05	2.137E-08	2.568E-02	7.273E-01	6.968E-12	1.078E-11
3.500E+03	3.651E-11	2.766E-04	6.141E-05	5.638E-05	2.644E-08	3.230E-02	7.215E-01	1.520E-11	2.370E-11
3.600E+03	7.701E-11	2.600E-04	7.084E-05	7.644E-05	3.217E-08	4.007E-02	7.147E-01	3.176E-11	5.176E-11
3.700E+03	1.593E-10	2.445E-04	8.087E-05	1.023E-04	3.869E-08	4.910E-02	7.067E-01	6.375E-11	1.084E-10
3.800E+03	3.140E-10	2.290E-04	9.141E-05	1.347E-04	4.595E-08	5.945E-02	6.977E-01	1.233E-10	2.109E-10
3.900E+03	5.948E-10	2.150E-04	1.023E-04	1.765E-04	5.392E-08	7.120E-02	6.874E-01	2.332E-10	4.249E-10
4.000E+03	1.103E-09	2.023E-04	1.136E-04	2.228E-04	6.253E-08	8.440E-02	6.758E-01	4.164E-10	7.995E-10
4.1000E+03	1.975E-09	1.894E-04	2.494E-04	2.805E-04	7.174E-08	9.908E-02	6.629E-01	1.494E-09	2.582E-09
4.200E+03	3.440E-09	1.769E-04	1.362E-04	3.465E-04	8.141E-08	1.512E-01	6.487E-01	1.247E-09	2.586E-09
4.300E+03	5.838E-09	1.688E-04	1.473E-04	4.270E-04	9.149E-08	1.329E-01	6.332E-01	2.071E-09	4.462E-09
4.400E+03	9.669E-09	1.531E-04	1.580E-04	5.190E-04	1.017E-07	1.520E-01	6.165E-01	3.354E-09	7.511E-09
4.500E+03	1.566E-08	1.418E-04	1.682E-04	6.226E-04	1.119E-07	1.724E-01	5.985E-01	5.307E-09	1.235E-08
4.600E+03	2.462E-08	1.308E-04	1.777E-04	7.392E-04	1.221E-07	1.942E-01	5.794E-01	8.212E-09	1.985E-08
4.700E+03	3.856E-08	1.203E-04	1.863E-04	8.688E-04	1.319E-07	2.171E-01	5.592E-01	1.264E-08	3.727E-08
4.800E+03	5.879E-08	1.102E-04	1.939E-04	1.012E-03	1.413E-07	2.411E-01	5.381E-01	1.047E-08	4.820E-08
4.900E+03	4.607E-08	1.006E-04	2.004E-04	1.167E-03	1.501E-07	2.664E-01	5.161E-01	2.691E-08	7.323E-08
5.000E+03	1.298E-07	9.143E-05	2.057E-04	1.335E-03	1.500E-07	2.917E-01	4.935E-01	3.850E-08	1.091E-07
5.200E+03	2.688E-07	7.459E-05	2.129E-04	1.705E-03	1.711E-07	3.464E-01	4.470E-01	7.491E-08	2.307E-07
5.400E+03	5.265E-07	5.904E-05	2.141E-04	2.111E-03	1.797E-07	3.978E-01	3.998E-01	1.369E-07	4.598E-07
5.600E+03	9.803E-07	4.726E-05	2.108E-04	2.551E-03	1.838E-07	4.503E-01	5.333E-01	2.365E-07	8.690E-07
5.800E+03	1.744E-06	3.077E-05	2.033E-04	3.008E-03	1.835E-07	5.005E-01	3.086E-01	3.879E-07	1.563F-06
6.000E+03	2.979E-06	2.823E-05	1.925E-04	3.466E-03	1.792E-07	5.472E-01	2.669E-01	6.076E-07	2.699E-06
6.200E+03	4.905E-06	2.144E-05	1.793E-04	3.926E-03	1.710E-07	5.898E-01	2.782E-01	9.126E-07	4.475E-06
6.400E+03	7.814E-06	1.635E-05	1.637E-04	4.372E-03	1.620E-07	6.271E-01	1.947E-01	1.321E-06	7.163E-06
6.600E+03	1.208E-05	1.208E-05	1.497E-04	4.798E-03	1.507E-07	6.595E-01	1.640E-01	1.840E-06	1.110E-05
6.800E+03	1.819E-05	8.998E-06	1.347E-04	5.198E-03	1.386E-07	6.870E-01	1.390E-01	2.512E-06	1.671E-05
7.000E+03	2.673E-05	6.688E-06	1.203E-04	5.948E-03	1.262E-07	7.098E-01	1.176E-01	3.325E-06	2.451E-05
7.200E+03	3.844E-05	4.968E-06	1.068E-04	5.903E-03	1.139E-07	7.284E-01	9.835E-02	4.300E-06	3.509E-05
7.400E+03	5.420E								

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.081E-05	1.460E-02	6.994E-09	1.524E-07	1.173E-01	7.991E-06	5.370E-03	2.610E-07	0.	3.500E+04
1.739E-05	1.257E-02	4.251E-09	1.104E-07	1.154E-01	6.346E-06	7.355E-03	5.954E-07	1.894E-16	3.600E+04
1.470E-05	1.082E-02	2.599E-09	7.987E-09	1.136E-01	5.050E-06	6.855E-03	1.294E-06	6.385E-14	3.700E+04
1.258E-05	9.308E-03	1.595E-09	5.762E-08	1.104E-01	4.024E-06	1.292E-02	2.658E-06	3.423E-13	3.800E+04
1.088E-05	7.990E-03	9.790E-10	4.134E-08	1.069E-01	3.207E-03	1.657E-02	5.377E-06	1.294E-12	3.900E+04
9.519E-06	6.837E-03	6.012E-10	2.949E-08	1.024E-01	2.554E-06	2.081E-02	1.028E-05	4.550E-12	4.000E+04
8.407E-06	5.826E-03	3.678E-10	2.004E-08	9.751E-02	2.030E-06	2.357E-02	1.884E-05	1.493E-11	4.100E+04
7.493E-06	4.941E-03	2.240E-10	1.459E-CU	9.190E-02	1.610E-06	3.079E-02	3.338E-05	6.590E-11	4.200E+04
6.732E-06	4.167E-03	1.356E-10	1.011E-08	8.586E-02	1.272E-06	3.635E-02	5.692E-05	1.327E-10	4.300E+04
6.092E-06	3.496E-03	8.162E-11	6.929E-09	7.954E-02	1.002E-06	4.211E-02	9.378E-05	3.625E-10	4.400E+04
5.547E-06	2.916E-03	4.881E-11	4.702E-09	7.304E-02	7.864E-07	4.792E-02	1.497E-04	9.382E-10	4.500E+04
5.078E-06	2.420E-03	2.902E-11	3.160E-09	6.665E-02	6.148E-07	5.364E-02	2.311E-04	2.311E-09	4.600E+04
4.670E-06	1.999E-03	1.717E-11	2.106E-09	6.039E-02	4.791E-07	5.915E-02	3.495E-04	5.434E-09	4.700E+04
4.318E-06	1.665E-03	1.011E-11	1.394E-09	5.440E-02	3.723E-07	6.434E-02	6.135E-04	1.224E-08	4.800E+04
3.957E-06	1.368E-03	5.941E-12	9.172E-10	4.876E-02	2.880E-07	6.913E-02	7.373E-04	2.651E-C8	4.900E+04
3.716E-06	1.102E-03	3.484E-12	6.000E-10	4.352E-02	2.234E-07	7.345E-02	1.036E-03	5.935E-08	5.000E+04

P/P0 = 2.40E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	f
0.	0.	4.581E-02	7.343E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.083E-01	1.134E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.724E-01	1.432E-20	0.	0.	0.	0.	0.	7.000E+02
0.	5.613E-30	2.139E-01	1.689E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.598E-26	2.332E-01	1.964E-20	0.	0.	0.	0.	0.	9.037E+C2
0.	9.438E-24	2.616E-01	2.250E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.764E-21	2.454E-01	2.510E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.352E-19	2.472E-01	2.729E-20	0.	0.	0.	0.	0.	1.200E+03
0.	5.377E-18	2.482E-01	2.903E-20	0.	0.	0.	0.	0.	1.300E+C3
0.	1.266E-16	2.488E-01	3.030E-20	1.003E-31	0.	0.	0.	0.	1.400E+03
0.	1.959E-15	2.491E-01	3.115E-20	8.897E-31	0.	0.	0.	0.	1.500E+03
4.776E-34	2.156E-14	2.493E-01	3.164E-20	5.963E-30	0.	0.	0.	0.	1.600E+03
7.233E-31	1.792E-13	2.499E-01	3.143E-20	3.174E-29	0.	0.	0.	0.	1.700E+03
4.697E-28	1.179E-12	2.496E-01	3.179E-20	1.395E-29	0.	0.	0.	0.	1.800E+03
1.686E-25	8.364E-12	2.497E-01	3.195E-20	9.223E-29	0.	0.	0.	0.	1.900E+03
3.226E-23	2.906E-11	2.497E-01	3.137E-20	1.713E-27	C.	C.	C.	C.	2.000E+03
2.031E-21	1.149E-10	2.497E-01	4.137E-21	6.661E-27	5.600E-29	0.	0.	0.	2.100E+03
5.119E-20	4.011E-10	2.497E-01	1.722E-19	7.413E-26	2.454E-27	0.	0.	0.	2.200E+03
4.580E-19	1.257E-09	2.497E-01	9.964E-19	1.052E-24	4.919E-26	0.	0.	0.	2.300E+03
3.236E-18	3.588E-09	2.497E-01	5.309E-18	1.277E-23	7.25CE-25	0.	0.	0.	2.400E+03
1.901E-17	9.399E-09	2.497E-01	2.501E-17	1.283E-22	8.509E-24	0.	0.	0.	2.500E+03
9.807E-17	2.290E-08	2.496E-01	1.050E-16	1.083E-21	8.236E-23	0.	0.	0.	2.600E+03
4.474E-16	5.224E-07	2.495E-01	3.946E-16	7.810E-21	6.732E-22	0.	0.	0.	2.700E+03
1.829E-15	1.124E-07	2.493E-01	1.367E-15	4.910E-20	4.731E-21	0.	0.	0.	2.800E+03
6.776E-15	2.295E-07	2.491E-01	4.332E-15	2.721E-19	2.903E-20	0.	0.	0.	2.900E+03
2.297E-14	4.647E-07	2.488E-01	1.273E-14	1.349E-18	1.576E-19	0.	0.	0.	3.000E+03
7.107E-14	8.332E-07	2.485E-01	3.498E-14	8.020E-18	7.666E-19	C.	C.	C.	3.100E-
2.090E-13	1.495E-06	2.480E-01	9.028E-16	2.455E-17	3.371E-18	0.	0.	0.	3.200E+03
5.668E-13	2.506E-06	2.474E-01	2.204E-13	9.223E-17	1.354E-17	0.	0.	0.	3.300E+03
1.457E-12	4.339E-06	2.467F-01	5.114E-13	9.205E-16	9.302E-17	0.	0.	0.	3.400E+03
3.526E-12	7.061E-06	2.458E-01	1.132E-12	1.039E-16	1.713E-16	0.	0.	0.	3.500E+C3
8.115E-12	1.118E-05	2.449E-01	2.401E-12	3.157E-15	5.467E-16	0.	0.	0.	3.600E+03
1.781E-11	1.727E-05	2.437E-01	6.895E-12	9.045E-15	1.633E-15	0.	0.	0.	3.700E+03
3.740E-11	2.607E-05	2.424E-01	9.624E-12	2.455E-14	4.610E-15	0.	0.	0.	3.800E+03
7.540E-11	3.452E-05	2.409E-01	1.829E-11	6.334E-16	1.233E-14	0.	0.	0.	3.900E+C3
1.664E-10	5.578E-05	2.392E-01	3.370E-11	1.562E-13	3.127E-14	0.	0.	0.	4.000E+03
2.744E-10	7.932E-05	2.373E-01	6.031E-11	3.688E-12	7.506E-14	0.	0.	0.	4.100E+03
4.977E-10	1.109E-04	2.353E-01	1.051E-10	8.368E-13	1.753E-13	0.	0.	0.	4.200E+03
8.751E-10	1.523E-04	2.330E-01	1.785E-10	1.829E-12	3.896E-13	0.	0.	0.	4.300E+03
1.495E-09	2.066E-03	2.305E-01	2.962E-10	3.863E-12	8.335E-13	0.	0.	0.	4.400E+03
2.050E-09	2.760E-06	2.279E-01	8.000E-10	7.899E-12	1.720E-12	0.	0.	0.	4.500E+03
4.027E-09	3.640E-06	2.250E-01	7.647E-10	1.567E-11	3.433E-12	0.	0.	0.	4.600E+03
6.370E-09	4.774E-07	2.220E-01	1.193E-09	3.029E-11	6.635E-12	0.	0.	0.	4.700E+03
9.048E-09	6.113E-06	2.189E-01	1.420E-09	5.679E-11	1.244E-11	0.	0.	0.	4.800E+03
1.499E-08	8.774E-06	2.156E-01	2.755E-09	1.041E-10	2.276E-11	0.	0.	0.	4.900E+03
2.208E-08	9.808E-04	2.122E-01	4.086E-09	1.864E-10	4.048E-11	0.	0.	0.	5.000E+03
4.503E-08	1.510E-03	2.050E-01	8.040E-09	5.604E-10	1.191E-10	0.	0.	0.	5.200E+03
6.600E-08	2.266E-03	1.977E-01	1.710E-08	1.580E-09	3.205E-10	0.	0.	0.	5.400E+03
1.612E-07	3.206E-03	1.903E-08	3.273E-08	4.051E-09	7.994E-10	0.	0.	0.	5.600E+03
2.714E-07	4.640E-03	1.829E-01	5.911E-08	9.892E-09	1.891E-09	0.	0.	0.	5.800E+03
4.516E-07	6.398E-03	1.758E-01	1.056E-07	2.285E-08	4.052E-09	C.	C.	C.	6.000E+03
1.067E-07	8.638E-03	1.689E-01	1.800E-07	9.022E-08	8.350E-09	4.034E-26	0.	0.	6.200E+03
1.058E-06	1.144E-02	1.622E-01	2.975E-07	1.059E-07	1.633E-08	3.888E-25	0.	0.	6.400E+03
1.526E-06	1.408E-02	1.558E-01	4.780E-07	2.122E-07	3.071E-08	2.775E-24	0.	0.	6.600E+03
2.137E-06	1.903E-02	1.496E-01	7.480E-07	4.100E-07	5.521E-08	1.773E-23	0.	0.	6.800E+03
2.910E-06	2.403E-02	1.434E-01	1.141E-06	7.671E-07	9.550E-08	1.024E-22	0.	0.	7.000E+03
3.867E-06	2.988E-02	1.373L-01	1.698E-06	1.384E-06	1.590E-07	9.377E-22	0.	0.	7.200E+03
9.028E-06	3.665E-04	1.310E-01	2.468E-06	2.419E-06	2.588E-07	2.588E-21	0.	0.	7.400E+03
6.413E-06	4.634E-02	1.246E-01	2.503E-06	4.101E-06	4.069E-07	1.145E-20	0.	0.	7.600E+03
8.044E-06	5.300E-02	1.180E-01	4.859E-06	6.752E-06	6.222E-07	4.695E-20	0.	0.	7.800E+03
9.933E-06	6.267E-02	1.112E-01	6.385E-06	1.081E-05	9.269E-07	1.791E-19	0.	0.	8.000E+03
1.210E-07	7.310E-02	1.041E-01	8.725E-06	1.687E-05	1.347E-06	4.380E-19	0.	0.	8.200E+03
1.64E-05	8.435E-02	9.672E-02	1.130E-05	2.566E-05	1.913E-06	2.132E-18	0.	0.	8.400E+03
1.714E-05	9.816E-02	8.420E-02	1.432E-05	3.809E-05	2.635E-06	6.709E-18	0.	0.	8.600E+03
2.044E-05	1.004E-01	8.198E-02	1.776E-05	5.329E-09	3.604E-06	1.994E-17	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	4.982E-04	3.709E-07	3.007E-05	6.921E-03	3.220E-08	7.744E-01	2.279E-02	2.152E-05	4.034E-04
9.200E+03	6.217E-04	2.815E-07	2.653E-05	6.797E-03	2.694E-08	7.725E-01	1.973E-02	2.445E-05	4.967E-04
9.400E+03	7.718E-04	2.142E-07	2.275E-05	6.633E-03	2.230E-08	7.700E-01	1.716E-02	2.760E-05	6.060E-04
9.600E+03	9.501E-04	1.635E-07	1.948E-05	6.434E-03	1.844E-08	7.673E-01	1.500E-02	3.098E-05	7.334E-04
9.800E+03	1.160E-03	1.252E-07	1.666E-05	6.200E-03	1.510E-08	7.644E-01	1.316E-02	3.462E-05	8.810E-04
1.000E+04	1.404E-03	9.618E-08	1.423E-05	5.906E-03	1.230E-08	7.616E-01	1.161E-02	3.852E-05	1.051E-03
1.100E+04	3.315E-03	2.747E-08	6.478E-06	4.604E-03	4.184E-09	7.491E-01	6.616E-03	6.258E-05	2.333E-03
1.200E+04	6.796E-03	8.797E-09	3.060E-06	3.415E-03	1.410E-09	7.399E-01	4.133E-03	9.533E-05	4.614E-03
1.300E+04	1.250E-02	3.173E-09	1.529E-06	2.532E-03	5.109E-10	7.305E-01	2.750E-03	1.370E-04	8.309E-02
1.400E+04	2.108E-02	1.258E-09	8.053E-07	1.898E-03	1.976E-10	7.183E-01	1.907E-03	1.865E-04	1.304E-02
1.500E+04	3.314E-02	5.360E-10	4.406E-07	1.435E-03	8.095E-11	7.016E-01	1.359E-03	2.413E-04	2.160E-02
1.600E+04	4.909E-02	2.366E-10	2.466E-07	1.086E-03	3.442E-11	6.795E-01	9.766E-04	2.978E-04	3.188E-02
1.700E+04	6.910E-02	1.071E-10	1.392E-07	8.176E-04	1.489E-11	6.517E-01	7.058E-04	3.514E-04	4.484E-02
1.800E+04	9.300E-02	4.665E-11	7.825E-06	6.074E-04	6.644E-12	6.182E-01	5.078E-04	3.970E-04	6.047E-02
1.900E+04	1.203E-01	2.184E-11	4.306E-06	4.433E-04	2.749E-12	5.798E-01	3.614E-04	4.300E-04	7.854E-02
2.000E+04	1.502E-01	9.508E-12	2.357E-08	3.166E-04	1.145E-12	5.374E-01	2.532E-04	4.476E-04	9.863E-02
2.100E+04	1.817E-01	4.068E-12	1.248E-08	2.207E-04	4.621E-13	4.924E-01	1.742E-04	4.477E-04	1.202E-01
2.200E+04	2.137E-01	1.668E-12	6.430E-09	1.502E-04	1.804E-13	4.463E-01	1.176E-04	4.319E-04	1.424E-01
2.300E+04	2.450E-01	6.748E-13	3.227E-09	9.991E-05	6.820E-14	4.007E-01	7.784E-05	4.029E-04	1.667E-01
2.400E+04	2.747E-01	2.623E-13	1.503E-09	6.514E-05	2.507E-14	3.568E-01	5.065E-05	3.668E-04	1.887E-01
2.500E+04	3.022E-01	9.968E-13	7.623E-13	4.180E-05	9.022E-15	3.159E-01	3.250E-05	3.218E-04	2.068E-01
2.600E+04	3.271E-01	3.732E-14	3.627E-10	2.651E-05	3.203E-15	2.705E-01	2.064E-05	2.777E-04	2.256E-01
2.700E+04	3.411E-01	1.367E-14	1.715E-10	1.666E-05	1.132E-15	2.451E-01	1.302E-05	2.356E-04	2.427E-01
2.800E+04	3.683E-01	5.159E-15	8.107E-11	1.046E-05	4.006E-16	2.155E-01	8.193E-06	1.973E-04	2.578E-01
2.900E+04	3.850E-01	1.933E-15	3.052E-11	6.594E-06	1.434E-16	1.898E-01	5.162E-06	1.634E-04	2.711E-01
3.000E+04	3.994E-01	7.337E-16	1.868E-11	4.164E-06	5.206E-17	1.676E-01	3.267E-06	1.349E-04	2.822E-01
3.100E+04	4.117E-01	2.834E-16	8.906E-12	2.667E-06	1.927E-17	1.484E-01	2.308E-06	1.108E-04	2.926E-01
3.200E+04	4.224E-01	1.117E-16	4.629E-12	1.696E-06	7.284E-18	1.319E-01	1.339E-06	9.091E-05	3.011E-01
3.300E+04	4.316E-01	4.507E-17	2.221E-12	1.096E-06	2.817E-18	1.178E-01	8.695E-07	7.462E-05	3.083E-01
3.400E+04	4.397E-01	1.466E-17	1.132E-12	7.147E-07	1.115E-18	1.056E-01	5.712E-07	6.135E-05	3.144E-01
3.500E+04	4.470E-01	7.666E-18	5.073E-13	4.703E-07	4.511E-19	9.516E-02	3.798E-07	5.057E-05	3.195E-01
3.600E+04	4.535E-01	3.402E-18	3.096E-13	3.120E-07	1.863E-19	6.608E-02	2.556E-07	4.182E-05	3.237E-01
3.700E+04	4.596E-01	1.504E-18	1.657E-13	2.086E-07	7.841E-20	7.818E-02	1.741E-07	3.471E-05	3.271E-01
3.800E+04	4.653E-01	6.791E-19	8.994E-14	1.403E-07	3.353E-20	7.129E-02	1.200E-07	2.891E-05	3.297E-01
3.900E+04	4.707E-01	3.125E-19	4.944E-14	9.488E-08	1.454E-20	6.525E-02	8.374E-08	2.418E-05	3.317E-01
4.000E+04	4.763E-01	1.463E-19	2.749E-14	6.433E-08	6.375E-21	5.993E-02	5.910E-08	2.031E-05	3.330E-01
4.100E+04	4.812E-01	6.960E-20	1.564E-14	4.388E-08	2.820E-21	5.521E-02	4.218E-08	1.713E-05	3.339E-01
4.200E+04	4.883E-01	3.359E-20	8.746E-15	2.995E-08	1.256E-21	5.102E-02	3.042E-08	1.450E-05	3.342E-01
4.300E+04	4.913E-01	1.643E-20	4.991E-15	2.046E-08	5.625E-22	4.728E-02	2.217E-08	1.233E-05	3.342E-01
4.400E+04	4.962E-01	8.132E-21	2.866E-15	1.501E-08	2.529E-22	4.393E-02	1.632E-08	1.052E-05	3.339E-01
4.500E+04	5.039E-01	4.072E-21	1.666E-15	9.593E-09	1.141E-22	4.091E-02	1.212E-08	9.020E-06	3.334E-01
4.600E+04	5.096E-01	2.061E-21	9.664E-16	6.574E-09	5.160E-23	3.819E-02	9.008E-09	7.763E-06	3.327E-01
4.700E+04	5.198E-01	1.056E-21	5.660E-16	4.509E-09	2.350E-23	3.572E-02	6.872E-09	6.710E-06	3.319E-01
4.800E+04	5.139E-01	5.452E-22	3.336E-16	3.096E-09	1.072E-23	3.347E-02	5.239E-09	5.823E-06	3.311E-01
4.900E+04	5.177E-01	2.849E-22	1.979E-16	2.130E-09	4.919E-24	3.143E-02	4.027E-09	5.073E-06	3.303E-01
5.000E+04	5.213E-01	1.504E-22	1.181E-16	1.468E-09	2.269E-24	2.957E-02	3.118E-09	4.438E-06	3.299E-01

P/PO = 2.60E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+32	0.	8.233E-01	1.213E-20	2.856E-35	2.257E-28	1.503E-22	1.320E-01	1.945E-18	7.326E-22
6.000E+02	0.	5.794E-01	3.378E-17	3.780E-29	5.380E-24	1.619E-18	3.159E-01	1.331E-18	2.216E-21
7.000E+02	0.	3.221E-01	7.605E-15	7.759E-25	5.202E-21	1.122E-15	5.086E-01	1.107E-18	4.913E-21
8.000E+02	0.	1.533E-01	3.614E-13	1.159E-21	6.702E-19	1.436E-13	6.350E-01	9.556E-19	9.559E-21
9.000E+02	0.	7.105E-02	6.329E-12	3.145E-19	2.529E-17	6.006E-12	6.961E-01	8.750E-19	1.725E-20
1.000E+03	0.	3.612E-02	5.806E-11	2.684E-17	4.252E-16	1.198E-10	7.229E-01	9.310E-19	2.076E-20
1.100E+03	0.	1.990E-02	2.557E-10	1.006E-15	6.158E-15	1.375E-09	7.351E-01	7.991E-19	4.627E-20
1.200E+03	0.	1.154E-02	1.375E-09	2.046E-14	2.762E-14	1.054E-08	7.410E-01	7.705E-19	6.348E-20
1.300E+03	0.	7.706E-03	5.516E-09	2.617E-13	1.367E-13	5.917E-08	7.442E-01	7.432E-19	8.577E-20
1.400E+03	0.	5.205E-03	1.611E-08	2.321E-12	5.389E-13	2.604E-07	7.460E-01	7.153E-19	1.104E-19
1.500E+03	1.662E-34	3.810E-03	4.07E-08	1.938E-11	1.771E-12	9.429E-07	7.471E-01	6.871E-19	1.364E-19
1.600E+03	3.601E-31	2.804E-03	9.159E-08	8.042E-11	5.029E-12	2.913E-06	7.480E-01	6.509E-19	1.632E-19
1.700E+03	3.216E-28	2.228E-03	1.871E-07	3.646E-10	1.267E-11	7.898E-06	7.493E-01	6.313E-19	1.901E-19
1.800E+03	1.370E-25	1.745E-03	3.530E-07	1.267E-09	2.085E-11	1.919E-05	7.498E-01	6.045E-19	2.165E-19
1.900E+03	3.128E-23	1.466E-03	6.231E-07	4.045E-09	6.041E-11	4.253E-05	7.489E-01	5.708E-19	2.421E-19
2.000E+03	6.177E-21	1.230E-03	1.039E-06	1.150E-08	1.177E-10	8.716E-05	7.490E-01	5.571E-19	2.680E-19
2.100E+03	2.704E-19	1.050E-03	1.650E-06	2.960E-08	2.156E-10	1.670E-04	7.491E-01	7.019E-19	3.829E-19
2.200E+03	3.753E-18	9.130E-04	2.312E-06	6.993E-08	3.745E-10	3.010E-04	7.491E-01	2.762E-18	1.703E-18
2.300E+03	2.599E-17	8.006E-04	3.688E-06	1.533E-07	6.209E-10	5.105E-04	7.498E-01	1.568E-17	1.065E-17
2.400E+03	1.640E-16	7.119E-24	5.242E-06	3.176E-07	9.882E-10	8.520E-04	7.497E-01	8.170E-17	6.114E-17
2.500E+03	6.915E-16	6.394E-04	7.242E-06	6.101E-07	1.517E-10	1.346E-03	7.493E-01	3.702E-16	3.087E-16
2.600E+03	2.945E-15	5.793E-04	9.798E-06	1.124E-06	2.253E-09	2.054E-03	7.478E-01	1.560E-15	1.381E-15
2.700E+03	1.129E-14	5.289E-04	1.249E-05	1.978E-06	3.257E-09	3.739E-03	7.469E-01	5.809E-15	5.539E-15
2.800E+03	3.937E-14	6.880E-04	1.659E-05	3.364E-06	4.584E-09	4.373E-03	7.458E-01	1.970E-14	2.019E-14
2.900E+03	1.262E-13	6.490E-04	2.103E-05	5.449E-06	6.303E-09	6.136E-03	7.443E-01	6.154E-14	6.716E-14
3.000E+03	3.749E-13	6.168E-04	2.622E-05	8.591E-06	8.481E-09	8.417E-03	7.423E-01	1.704E-13	2.068E-13
3.100E+03	1.039E-12	3.884E-04	3.218E-05	1.313E-05	1.119E-08	1.131E-02	7.398E-01	4.033E-13	5.932E-13
3.200E+03	2.707E-12	3.631E-04	3.895E-05	1.958E-05	1.450E-08	1.492E-02			

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	T
2.300E-05	1.200E-01	7.390E-02	2.155E-05	7.830E-05	4.805E-06	5.619E-17	0.	9.000E+03
2.766E-05	1.332E-01	6.645E-02	2.561E-05	1.089E-04	6.274E-06	1.505E-16	0.	9.200E+03
3.180E-05	1.454E-01	5.916E-02	2.982E-05	1.483E-04	8.041E-06	3.849E-16	0.	9.400E+03
3.630E-05	1.571E-01	5.221E-02	3.407E-05	1.981E-04	1.012E-05	9.394E-16	0.	9.600E+03
4.117E-05	1.681E-01	4.588E-02	3.821E-05	2.600E-05	1.233E-05	2.201E-15	0.	9.800E+03
4.642E-05	1.783E-01	3.985E-02	4.214E-05	3.356E-04	1.528E-05	4.958E-15	0.	1.000E+04
7.842E-05	2.149E-01	1.794E-02	5.599E-05	9.756E-04	3.306E-05	1.739E-13	0.	1.100E+04
1.196E-04	2.309E-01	7.724E-03	6.002E-05	2.205E-03	9.883E-05	3.174E-12	0.	1.200E+04
1.680E-04	2.352E-01	3.446E-03	5.846E-05	4.248E-03	8.757E-05	3.628E-11	0.	1.300E+04
2.205E-04	2.334E-01	1.633E-03	5.457E-05	7.339E-03	1.188E-04	2.910E-10	1.231E-24	0.
2.726E-04	2.277E-01	8.218E-04	4.960E-05	1.167E-02	1.495E-04	1.781E-09	7.836E-23	0.
3.197E-04	2.189E-01	4.335E-04	4.411E-05	1.737E-02	1.764E-04	8.708E-09	3.023E-21	0.
3.568E-04	2.073E-01	2.385E-04	3.895E-05	2.442E-02	1.908E-04	3.546E-08	7.760E-20	0.
3.803E-04	1.933E-01	1.318E-04	3.254E-05	3.269E-02	2.084E-04	1.240E-07	1.411E-18	0.
3.879E-04	1.775E-01	7.429E-05	2.691E-05	4.192E-02	2.103E-04	3.814E-07	1.934E-17	0.
3.755E-04	1.604E-01	4.199E-05	2.166E-05	5.171E-02	2.028E-04	1.051E-06	2.084E-16	0.
3.569E-04	1.426E-01	2.366E-05	1.657E-05	6.165E-02	1.876E-04	2.638E-06	1.830E-15	0.
3.237E-04	1.251E-01	1.325E-05	1.297E-05	7.129E-02	1.671E-04	4.102E-06	1.346E-14	0.
2.842E-04	1.043E-01	7.375E-06	9.682E-06	8.027E-02	1.440E-04	1.315E-05	8.501E-14	0.
2.425E-04	9.288E-02	4.081E-06	7.093E-06	8.833E-02	1.206E-04	2.667E-05	4.696E-13	0.
2.021E-04	7.902E-02	2.251E-06	5.120E-06	9.932E-02	9.877E-05	5.123E-05	2.304E-12	0.
1.653E-04	6.690E-02	1.242E-06	3.650E-06	1.012E-01	7.946E-05	9.366E-05	1.020E-11	0.
1.335E-04	5.651E-02	6.879E-07	2.597E-06	1.040E-01	6.313E-05	1.649E-06	4.105E-11	0.
1.069E-04	4.673E-02	3.837E-07	1.840E-06	1.099E-01	4.976E-05	2.792E-06	1.518E-10	0.
8.523E-05	4.037E-02	2.161E-07	1.304E-06	1.129E-01	3.905E-05	4.570E-06	5.199E-10	0.
6.759E-05	3.624E-02	1.232E-07	9.273E-07	1.152E-01	3.006E-05	7.256E-06	1.659E-09	0.
5.437E-05	2.914E-02	7.111E-08	6.622E-07	1.160E-01	2.401E-05	1.120E-03	4.857E-06	0.
4.376E-05	2.409E-02	4.199E-08	4.753E-07	1.178E-01	1.888E-05	1.065E-03	1.394E-06	0.
3.550E-05	2.133E-02	2.466E-08	3.427E-07	1.183E-01	1.498E-05	2.473E-03	3.705E-08	0.
2.908E-05	1.833E-02	1.477E-08	2.648E-08	1.182E-01	1.708E-05	3.547E-03	9.334E-08	0.
2.408E-05	1.581E-02	8.948E-09	1.803E-07	1.175E-01	5.359E-06	4.973E-03	2.235E-07	0.
2.017E-05	1.364E-02	5.466E-09	1.312E-07	1.162E-01	7.455E-06	6.822E-03	5.102E-07	1.500E-14
1.709E-05	1.178E-02	3.360E-09	9.536E-08	1.142E-01	1.162E-01	9.951E-06	9.153E-03	1.112E-06
1.465E-05	1.016E-02	2.074E-05	6.917E-08	1.115E-01	4.750E-06	1.202E-02	2.310E-06	2.716E-13
1.249E-05	8.751E-03	1.282E-05	4.996E-08	1.081E-01	3.809E-06	1.546E-02	4.631E-06	1.029E-12
1.111E-05	7.514E-03	7.923E-10	3.585E-08	1.040E-01	3.042E-06	1.947E-02	8.877E-06	9.625E-12
9.828E-06	6.927E-03	4.884E-10	2.553E-08	9.925E-02	2.482E-06	2.401E-02	1.036E-05	1.193E-11
8.768E-06	5.473E-03	2.999E-10	1.802E-08	9.391E-02	1.933E-06	2.902E-02	2.902E-05	3.680E-11
7.889E-06	4.637E-03	1.832E-10	1.259E-08	8.810E-02	1.535E-06	3.440E-02	4.967E-05	1.068E-10
7.141E-06	3.907E-03	1.112E-10	8.706E-09	8.196E-02	1.215E-06	4.201E-02	8.216E-05	2.928E-10
6.528E-06	3.275E-03	6.713E-11	5.941E-09	7.565E-02	9.578E-07	4.573E-02	1.314E-04	7.608E-10
5.963E-06	2.730E-03	4.029E-11	4.043E-09	6.930E-02	7.259E-07	5.140E-02	2.040E-04	1.881E-09
5.649E-06	2.266E-03	2.405E-11	2.719E-09	6.304E-02	5.693E-07	5.692E-02	3.098E-04	4.439E-09
5.372E-06	1.872E-03	1.430E-11	1.815E-09	5.705E-02	4.601E-07	6.216E-02	4.570E-04	1.004E-08
4.704E-06	1.561E-03	8.472E-12	1.205E-09	5.134E-02	3.583E-07	6.704E-02	6.585E-04	2.101E-08
4.376E-06	1.265E-03	5.009E-12	7.954E-10	4.601E-02	2.705E-07	7.149E-02	9.286E-04	4.567E-08

P/P0 = 2.60E+02

H-	N	N2	N2+	N+	N-	N++	N+++	T
0.	C.	4.419E-02	7.370E-21	0.	0.	0.	0.	5.000E+02
0.	0.	1.052E-01	1.143E-20	0.	0.	0.	0.	6.000E+02
0.	1.	1.695E-01	1.466E-20	0.	0.	0.	0.	7.000E+02
0.	5.174E-30	2.117E-01	1.702E-20	0.	0.	0.	0.	8.000E+02
0.	1.531E-26	2.320E-01	1.977E-20	0.	0.	0.	0.	9.000E+02
0.	9.056E-24	2.410E-01	2.259E-20	0.	0.	0.	0.	1.000E+03
0.	1.675E-20	2.450E-01	2.518E-20	0.	0.	0.	0.	1.100E+03
0.	1.299E-19	2.470E-01	2.760E-20	0.	0.	0.	0.	1.200E+03
0.	5.165E-18	2.481E-01	2.916E-20	0.	0.	0.	0.	1.300E+03
0.	1.216E-16	2.487E-01	3.047E-20	9.696E-32	0.	0.	0.	1.400E+03
0.	1.882E-15	2.490E-01	3.136E-20	8.607E-31	0.	0.	0.	1.500E+03
0.	2.072E-14	2.493E-01	3.189E-20	5.776E-30	0.	0.	0.	1.600E+03
0.	6.884E-31	1.742E-13	2.499E-01	3.213E-20	3.070E-29	0.	0.	1.700E+03
0.	6.655E-28	1.132E-12	2.499E-01	3.212E-20	1.355E-28	0.	0.	1.800E+03
1.597E-25	6.114E-12	2.498E-01	3.193E-20	5.075E-28	0.	0.	0.	1.900E+03
3.061E-23	2.791E-11	2.497E-01	3.176E-20	1.667E-27	0.	0.	0.	2.000E+03
2.734E-21	1.104E-10	2.497E-01	4.117E-20	6.349E-27	5.400E-29	0.	0.	2.100E+03
5.056E-20	3.854E-10	2.497E-01	1.675E-19	6.927E-26	2.426E-27	0.	0.	2.200E+03
4.539E-19	1.204E-09	2.497E-01	9.659E-19	9.802E-25	4.890E-26	0.	0.	2.300E+03
3.177E-18	3.443E-09	2.497E-01	9.146E-18	1.189E-23	7.105E-25	C.	0.	2.400E+03
1.883E-17	9.030E-09	2.497E-01	2.426E-17	1.195E-22	8.427E-24	0.	0.	2.500E+03
9.711E-17	2.000E-08	2.496E-01	1.018E-16	1.009E-21	8.156E-23	0.	0.	2.600E+03
6.428E-16	9.019E-08	2.495E-01	3.052E-16	7.291E-21	6.666E-22	0.	0.	2.700E+03
1.810E-15	1.380E-07	2.493E-01	1.320E-15	4.581E-20	4.681E-21	0.	0.	2.800E+03
6.702E-15	2.205E-07	2.491E-01	4.209E-15	2.594E-19	2.871E-20	0.	0.	2.900E+03
2.271E-14	4.292E-07	2.488E-01	1.237E-14	1.250E-18	1.559E-19	0.	0.	3.000E+03
7.104E-14	8.008E-07	2.485E-01	3.400E-14	5.631E-18	7.574E-19	0.	0.	3.100E+03
2.066E-13	1.436E-06	2.480E-01	8.783E-14	2.290E-17	9.331E-18	0.	0.	3.200E+03
5.620E-13	2.467E-06	2.475E-01	2.145E-13	8.622E-17	1.337E-17	0.	0.	3.300E+03

TABLE II.- Continued

	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.955E-11	3.195E-04	5.489E-05	4.038E-05	2.318E-08	2.469E-02	7.281E-01	6.789E-12	9.704E-12
3.500E+03	3.462E-11	3.004E-06	6.404E-05	5.614E-05	2.866E-08	3.105E-02	7.225E-01	1.482E-11	2.210E-11
3.600E+03	7.377E-11	2.824E-04	7.390E-05	7.654E-05	3.494E-08	3.854E-02	7.160E-01	3.098E-11	4.844E-11
3.700E+03	1.510E-10	2.659E-06	8.440E-05	1.025E-04	4.705E-08	4.722E-02	7.084E-01	6.223E-11	1.016E-10
3.800E+03	2.976E-10	2.501E-06	9.546E-05	1.349E-04	4.997E-08	5.720E-02	6.994E-01	1.204E-10	2.047E-10
3.900E+03	5.668E-10	2.351E-04	1.070E-04	1.747E-04	5.869E-08	6.053E-02	6.897E-01	2.251E-10	3.984E-10
4.000E+03	1.045E-09	2.207E-06	1.188E-04	2.234E-04	6.613E-08	8.126E-02	6.785E-01	4.073E-10	7.498E-10
4.100E+03	1.872E-09	2.068E-04	1.307E-04	2.814E-04	7.824E-08	9.542E-02	6.611E-01	7.154E-10	1.369E-09
4.200E+03	3.259E-09	1.934E-04	1.427E-04	3.499E-04	8.889E-08	1.110E-01	6.524E-01	1.221E-09	2.427E-09
4.300E+03	5.931E-09	1.805E-04	1.545E-04	4.297E-04	9.996E-08	1.281E-01	6.374E-01	2.031E-09	4.191E-09
4.400E+03	9.162E-09	1.680E-04	1.660E-04	5.217E-04	1.113E-07	1.466E-01	6.212E-01	3.293E-09	7.057E-09
4.500E+03	1.484E-08	1.559E-04	1.749E-04	6.264E-04	1.227E-07	1.664E-01	6.038E-01	5.214E-09	1.161E-08
4.600E+03	2.352E-08	1.442E-04	1.871E-04	7.443E-04	1.341E-07	1.875E-01	5.892E-01	8.079E-09	1.867E-08
4.700E+03	3.655E-08	1.329E-04	1.965E-04	8.756E-04	1.452E-07	2.098E-01	5.656E-01	1.225E-08	2.943E-08
4.800E+03	5.574E-08	1.220E-04	2.049E-04	1.020E-03	1.558E-07	2.332E-01	5.454E-01	1.822E-08	4.547E-08
4.900E+03	8.352E-08	1.118E-04	2.121E-04	1.178E-03	1.585E-07	2.579E-01	5.230E-01	2.659E-08	6.898E-08
5.000E+03	1.231E-07	1.017E-04	2.182E-04	1.349E-03	1.749E-07	2.825E-01	5.016E-01	3.800E-08	1.028E-07
5.200E+03	2.552E-07	8.350E-05	2.263E-04	1.727E-03	1.902E-07	3.342E-01	4.560E-01	7.432E-08	2.177E-07
5.400E+03	5.001E-07	6.743E-05	2.290E-04	2.146E-03	2.009E-07	3.868E-01	4.095E-01	1.363E-07	4.345E-07
5.600E+03	9.318E-07	5.361E-05	2.266E-04	2.597E-03	2.065E-07	4.388E-01	3.634E-01	2.362E-07	8.222E-07
5.800E+03	1.659E-06	4.201E-05	2.195E-04	3.068E-03	2.071E-07	4.888E-01	3.189E-01	3.889E-07	1.483E-06
6.000E+03	2.837E-06	3.249E-05	2.088E-04	3.548E-03	2.033E-07	5.357E-01	2.770E-01	6.114E-07	2.561E-06
6.200E+03	4.675E-06	2.485E-05	1.955E-04	4.027E-03	1.958E-07	5.784E-01	2.386E-01	9.217E-07	4.253E-06
6.400E+03	7.454E-06	1.804E-05	1.804E-04	4.955E-03	1.855E-07	6.166E-01	2.040E-01	1.339E-06	6.819E-06
6.600E+03	1.154E-05	1.418E-05	1.646E-04	4.943E-03	1.734E-07	6.499E-01	1.734E-01	1.888E-06	1.058E-05
6.800E+03	1.738E-05	1.063E-05	1.687E-04	5.367E-03	1.631E-07	6.783E-01	1.466E-01	2.563E-06	1.594E-05
7.000E+03	2.556E-05	7.943E-06	1.333E-04	5.760E-03	1.663E-07	7.021E-01	1.240E-01	3.402E-06	2.341E-05
7.200E+03	5.677E-05	5.929E-06	1.187E-04	6.118E-03	1.325E-07	7.214E-01	1.046E-01	4.412E-06	3.355E-05
7.400E+03	9.187E-05	4.427E-06	1.052E-04	6.437E-03	1.191E-07	7.373E-01	6.821E-02	5.602E-06	4.704E-05
7.600E+03	7.186E-05	3.308E-06	9.276E-05	6.714E-03	1.361E-07	7.496E-01	7.449E-02	6.984E-06	6.445E-05
7.800E+03	9.793E-35	2.477E-06	8.199E-05	6.946E-03	9.395E-08	7.589E-01	6.301E-02	8.562E-06	8.725E-05
8.000E+03	1.315E-04	1.858E-06	7.135E-05	7.130E-03	8.256E-08	7.657E-01	5.344E-02	1.036E-05	1.158E-04
8.200E+03	1.741E-04	1.397E-06	6.229E-05	7.266E-03	7.203E-08	7.703E-01	4.954E-02	1.233E-05	1.514E-04
8.400E+03	2.724E-04	1.053E-06	5.421E-05	7.347E-03	6.237E-08	7.731E-01	3.878E-02	1.453E-05	1.951E-04
8.600E+03	2.942E-04	7.956E-07	4.706E-05	7.379E-03	5.361E-08	7.744E-01	3.320E-02	1.894E-05	2.482E-04
8.800E+03	3.760E-06	6.925E-07	4.076E-05	7.359E-03	5.725E-08	7.746E-01	2.854E-02	1.956E-05	3.120E-04
9.000E+03	4.756E-06	4.574E-07	3.518E-05	7.289E-03	3.870E-08	7.735E-01	2.463E-02	2.240E-05	3.881E-04
9.200E+03	5.959E-06	3.482E-07	3.031E-05	7.173E-03	3.251E-08	7.719E-01	2.134E-02	2.947E-05	4.779E-04
9.400E+03	7.400E-06	2.657E-07	2.606E-05	7.015E-03	2.710E-08	7.697E-01	1.858E-02	2.870E-05	5.032E-04
9.600E+03	9.109E-06	2.033E-07	2.236E-05	6.820E-03	2.246E-08	7.672E-01	1.624E-02	3.233E-05	7.060E-04
9.800E+03	1.112E-03	1.561E-07	1.916E-05	6.596E-03	1.865E-07	7.644E-01	1.424E-02	3.610E-05	6.481E-05
1.000E+04	1.348E-03	1.202E-07	1.640E-05	6.343E-03	1.509E-08	7.617E-01	1.258E-02	4.018E-05	1.012E-03
1.100E+04	3.181E-03	3.454E-08	1.538E-06	4.943E-03	5.224E-09	7.493E-01	1.717E-02	6.528E-04	2.245E-03
1.200E+04	6.525E-03	1.115E-06	3.579E-06	3.046E-03	1.709E-09	7.402E-01	4.481E-03	9.937E-05	4.438E-03
1.300E+04	1.201E-02	3.074E-06	2.988E-06	2.747E-03	6.689E-10	7.311E-01	2.988E-03	7.429E-04	7.991E-03
1.400E+04	2.927E-02	1.607E-09	9.484E-07	2.661E-03	2.923E-10	7.193E-01	2.071E-03	1.946E-03	1.331E-02
1.500E+04	6.853E-02	5.207E-10	5.207E-07	1.562E-03	1.039E-10	7.032E-01	1.470E-03	2.521E-04	2.078E-02
1.600E+04	4.725E-32	3.054E-10	2.927E-07	1.186E-03	6.467E-11	6.819E-01	1.064E-03	3.117E-04	3.049E-02
1.700E+04	6.657E-02	1.393E-10	1.662E-07	8.962E-04	1.939E-11	6.551E-01	7.727E-04	3.685E-04	6.319E-02
1.800E+04	8.971E-02	6.383E-11	9.408E-06	6.692E-04	8.674E-12	6.220E-01	5.982E-04	9.176E-04	5.829E-02
1.900E+04	1.162E-01	2.897E-11	5.782E-08	4.913E-04	3.658E-12	5.859E-01	3.992E-04	4.540E-04	7.579E-02
2.000E+04	1.045E-01	1.208E-11	2.886E-08	3.532E-04	1.564E-12	5.643E-01	2.818E-04	4.743E-04	9.530E-02
2.100E+04	1.762E-01	5.571E-12	1.545E-08	2.682E-04	6.329E-13	5.006E-01	1.949E-04	4.769E-04	1.163E-01
2.200E+04	2.075E-01	2.336E-12	8.056E-09	1.703E-04	2.513E-13	4.552E-01	1.725E-04	4.626E-04	1.380E-01
2.300E+04	2.384E-01	9.498E-13	9.095E-09	1.143E-04	9.668E-14	4.103E-01	8.841E-05	4.340E-04	1.599E-01
2.400E+04	2.680E-01	3.756E-13	2.035E-09	7.520E-05	3.919E-14	1.666E-01	5.000E-05	3.953E-04	1.813E-01
2.500E+04	2.954E-01	1.452E-13	9.930E-06	4.868E-05	3.246E-15	3.261E-01	3.752E-05	3.500E-04	2.016E-01
2.600E+04	3.204E-01	5.529E-14	6.785E-10	3.114E-05	4.791E-15	2.807F-01	2.402E-05	9.046E-04	2.204E-01
2.700E+04	3.426E-01	2.088E-14	2.290E-05	1.978E-05	1.720E-15	2.550E-01	1.927E-05	2.600E-04	2.375E-01
2.800E+04	3.622E-01	7.884E-15	1.095E-10	1.252E-05	6.188E-16	2.251E-01	9.683E-06	2.189E-04	2.528E-01
2.900E+04	3.792E-01	2.995E-15	5.258E-11	7.924E-06	2.264E-16	1.989E-01	6.143E-06	1.825E-04	2.663E-01
3.000E+04	3.940E-01	1.151E-15	2.546E-11	9.037E-06	3.252E-17	1.762E-01	3.912E-06	1.911E-04	2.781E-01
3.100E+04	4.067E-01	4.497E-16	1.248E-11	3.219E-06	3.308E-17	1.565E-01	2.907E-06	1.247E-04	2.883E-01
3.200E+04	4.177E-01	1.791E-16	6.201E-12	2.073E-06	1.180E-17	1.395E-01	1.020E-06	1.027E-04	2.971E-01
3.300E+04	4.273E-01	7.291E-17	3.130E-12	1.346E-06	4.605E-18	1.057E-01	8.459E-05	9.046E-04	3.046E-01
3.400E+04	4.357E-01	3.035E-17	1.006E-12	8.816E-07	1.873E-18	1.121E-01	6.977E-07	6.977E-05	3.110E-01
3.500E+04	4.432E-01	1.293E-17	8.379E-13	5.824E-07	7.494E-19	1.012E-01	4.652E-07	5.774E-05	3.163E-01
3.600E+04	4.530E-01	5.631E-18	6.441E-13	3.879E-07	3.120E-19	9.168E-02	3.141E-07	4.781E-05	3.208E-01
3.700E+04	4.652E-01	2.557E-18	2.309E-13	2.603E-07	1.323E-19	6.339E-02	2.149E-07	3.977E-05	3.244E-01
3.800E+04	4.620E-01	1.139E-18	1.336E-13	1.753E-07	5.702E-20	7.613E-02	1.483E-07	3.320E-05	3.273E-01
3.900E+04	4.676E-01	5.272E-19	7.293E-14	1.193E-07	2.692E-20	6.976E-02	1.037E-07	2.783E-05	3.295E-01
4.000E+04	4.730E-01	2.486E-19	4.025E-14	8.138E-08	1.102E-20	6.413E-02	7.334E-08	2.361E-05	3.311E-01
4.100E+04	4.702E-01	1.189E-19	2.272E-14	5.566E-08	4.914E-21	5.914E-02	9.242E-18	1.977E-05	3.321E-01
4.200E+04	4.633E-01	5.773E-20	1.299E-14	3.817E-08	2.209E-21	5.470E-02	7.780E-08	1.676E-05	3.327E-01
4.300E+04	4.884E-01	2.840E-20	7.426E-15	2.621E-08	9.984E-22	5.073E-02	2.764E-08	1.427E-05	3.329E-01
4.400E+04	4.934E-01	1.415E-20	4.292E-15	1.002E-08	4.533E-02	4.716E-02	2.037E-08	1.220E-05	3.320E-01
4.500E+04	4.982E-01	7.124E-21	2.497E-15						

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N++*	N****	T
1.439E-12	4.170E-06	2.460E-01	4.979E-13	2.997E-16	4.939E-17	0.	0.	0.	3.400E+03
3.484E-12	6.786E-06	2.460E-01	1.103E-12	9.716E-16	1.691E-16	0.	0.	0.	3.500E+03
8.016E-12	1.075E-05	2.450E-01	2.340E-12	2.954E-15	5.397E-16	0.	0.	0.	3.600E+03
1.759E-11	1.600E-05	2.439E-01	4.772E-12	8.467E-15	1.615E-15	0.	0.	0.	3.700E+03
3.694E-11	2.506E-05	2.427E-01	9.384E-12	2.299E-14	4.556E-15	0.	0.	0.	3.800E+03
7.450E-11	3.703E-05	2.412E-01	1.784E-11	5.936E-14	1.217E-14	0.	0.	0.	3.900E+03
1.447E-10	5.364E-05	2.394E-01	3.280E-11	1.463E-13	3.087E-14	0.	0.	0.	4.000E+03
2.713E-10	7.628E-05	2.378E-01	5.807E-11	3.456E-13	7.471E-14	0.	0.	0.	4.100E+03
4.922E-10	1.066E-04	2.358E-01	1.026E-10	7.841E-13	1.731E-13	0.	0.	0.	4.200E+03
8.659E-10	1.447E-04	2.336E-01	1.743E-10	1.714E-12	3.847E-13	0.	0.	0.	4.300E+03
1.480E-09	1.988E-04	2.312E-01	2.894E-10	3.621E-12	8.232E-13	0.	0.	0.	4.400E+03
2.462E-09	2.656E-04	2.280E-01	4.699E-10	7.405E-12	1.707E-12	0.	0.	0.	4.500E+03
3.993E-05	3.504E-04	2.259E-01	7.476E-10	1.469E-11	3.393E-12	0.	0.	0.	4.600E+03
6.320E-09	4.565E-04	2.229E-01	1.167E-09	2.834E-11	6.563E-12	0.	0.	0.	4.700E+03
9.780E-09	5.880E-04	2.199E-01	1.788E-09	5.325E-11	1.233E-11	0.	0.	0.	4.800E+03
1.481E-08	7.492E-04	2.167E-01	2.659E-09	9.759E-11	2.252E-11	0.	0.	0.	4.900E+03
2.190E-08	9.449E-04	2.132E-01	3.998E-09	1.747E-10	4.007E-11	0.	0.	0.	5.000E+03
4.572E-08	1.446E-03	2.063E-01	8.419E-09	5.233E-10	1.180E-10	0.	0.	0.	5.200E+03
8.472E-08	2.185E-03	1.991E-01	1.682E-08	1.461E-09	3.113E-10	0.	0.	0.	5.400E+03
1.617E-07	3.169E-03	1.918E-01	3.206E-08	3.704E-09	7.939E-10	0.	0.	0.	5.600E+02
2.786E-07	4.677E-03	1.845E-01	5.861E-08	9.259E-09	1.844E-09	0.	0.	0.	5.800E+03
4.562E-07	6.174E-03	1.773E-01	1.032E-07	2.138E-08	4.033E-09	0.	0.	0.	6.000E+02
7.139E-07	8.335E-03	1.704E-01	1.759E-07	6.494E-08	8.328E-09	4.376E-26	0.	0.	6.200E+03
1.073E-06	1.104E-02	1.637E-01	2.905E-07	9.846E-08	1.635E-08	3.514E-25	0.	0.	6.400E+03
1.555E-06	1.436E-02	1.572E-01	6.665E-07	1.900E-07	3.066E-08	2.504E-24	0.	0.	6.600E+03
2.184E-06	1.839E-02	1.510E-01	7.295E-07	3.832E-07	5.516E-08	1.598E-23	0.	0.	6.800E+03
2.941E-06	2.324E-02	1.444E-01	1.112E-06	7.150E-07	9.556E-08	9.215E-23	0.	0.	7.000E+03
3.970E-06	2.885E-02	1.388E-01	1.659E-06	1.290E-06	1.599E-07	4.835E-22	0.	0.	7.200E+03
5.171E-06	3.540E-02	1.324E-01	2.404E-06	2.659E-06	2.592E-07	2.323E-21	0.	0.	7.400E+03
6.607E-06	4.288E-02	1.261E-01	3.416E-06	3.820E-06	4.078E-07	1.029E-20	0.	0.	7.600E+03
8.474E-06	5.130E-02	1.195E-01	4.742E-06	6.292E-06	6.241E-07	4.217E-20	0.	0.	7.800E+03
1.026E-05	6.064E-02	1.127E-01	6.435E-06	1.030E-05	9.306E-07	1.609E-19	0.	0.	8.000E+03
1.252E-05	7.082E-02	1.057E-01	1.057E-05	1.574E-05	1.354E-06	5.733E-19	0.	0.	8.200E+03
1.509E-05	8.176E-02	9.465E-02	1.108E-05	2.396E-05	1.925E-06	1.918E-18	0.	0.	8.400E+03
1.797E-05	9.333E-02	9.102E-02	1.400E-05	3.561E-05	2.676E-06	6.041E-18	0.	0.	8.600E+03
2.119E-05	1.053E-01	8.348E-02	1.750E-05	5.172E-05	3.641E-06	1.790E-17	0.	0.	8.800E+03
2.447E-05	1.176E-01	7.591E-02	2.130E-05	7.348E-05	4.857E-06	5.372E-17	0.	0.	9.000E+03
2.870E-05	1.299E-01	6.843E-02	2.539E-05	1.022E-04	6.353E-06	1.361E-16	0.	0.	9.200E+03
3.331E-05	1.420E-01	6.114E-02	2.968E-05	1.394E-04	8.157E-06	3.682E-16	0.	0.	9.400E+03
3.769E-05	1.537E-01	5.416E-02	3.402E-05	1.866E-04	1.029E-05	8.521E-16	0.	0.	9.600E+03
4.277E-05	1.646E-01	4.756E-02	3.831E-05	2.454E-04	1.276E-05	2.000E-15	0.	0.	9.800E+03
4.823E-05	1.751E-01	4.145E-02	4.240E-05	3.173E-04	1.559E-05	4.513E-15	0.	0.	1.000E+04
6.155E-05	2.129E-01	1.907E-02	5.726E-05	9.297E-04	3.466E-05	1.594E-13	0.	0.	1.100E+04
1.244E-04	2.299E-01	6.298E-03	6.159E-05	2.111E-03	4.052E-05	2.922E-12	0.	0.	1.200E+04
1.750E-04	2.349E-02	3.722E-02	6.073E-05	4.077E-03	9.102E-05	3.366E-11	0.	0.	1.300E+04
2.299E-04	2.336E-01	1.772E-03	5.685E-05	7.056E-03	1.238E-04	2.693E-10	1.092E-24	0.	1.400E+04
2.847E-04	2.282E-01	8.497E-04	1.163E-05	1.123E-02	1.501E-04	1.645E-09	6.646E-23	0.	1.500E+04
3.345E-04	2.198E-01	6.738E-04	4.623E-05	1.673E-02	1.848E-04	8.044E-09	2.670E-21	0.	1.600E+04
3.747E-04	2.080E-01	2.597E-04	3.035E-05	2.355E-02	2.046E-04	3.277E-08	6.855E-20	0.	1.700E+04
4.004E-04	1.952E-01	1.454E-04	3.439E-05	3.155E-02	2.199E-04	1.147E-07	1.246E-18	0.	1.800E+04
4.100E-04	1.794E-01	8.240E-05	2.859E-05	4.058E-02	2.229E-04	3.528E-07	1.710E-17	0.	1.900E+04
4.029E-04	1.631E-01	4.704E-05	2.319E-05	5.017E-02	2.162E-04	9.731E-07	1.861E-16	0.	2.000E+04
3.849E-04	1.457E-01	2.674E-05	1.826E-05	5.996E-02	2.012E-04	2.443E-06	1.614E-15	0.	2.100E+04
3.674E-04	1.284E-01	1.512E-05	1.404E-05	6.953E-02	1.805E-04	5.655E-06	1.186E-14	0.	2.200E+04
3.068E-04	1.117E-01	8.497E-06	1.050E-05	7.851E-02	1.566E-04	1.220E-05	7.478E-14	0.	2.300E+04
2.633E-04	9.626E-02	4.748E-06	7.811E-06	8.663E-02	1.321E-03	2.475E-05	4.125E-13	0.	2.400E+04
2.727E-04	6.229E-02	2.645E-06	5.661E-06	9.376E-02	1.089E-03	4.757E-05	2.022E-12	0.	2.500E+04
1.819E-04	7.000E-02	1.473E-06	4.087E-06	9.978E-02	8.022E-03	8.720L-05	8.927E-12	0.	2.600E+04
1.671E-04	5.938E-02	8.226E-07	2.921E-06	1.046E-01	7.056E-05	1.533E-04	3.588E-11	0.	2.700E+04
1.189E-04	5.035E-02	6.624E-07	2.002E-06	1.088E-01	5.592E-05	2.505E-04	1.325E-10	0.	2.800E+04
9.532E-03	4.277E-02	2.624E-07	1.948E-06	1.120E-01	4.411E-05	4.249E-04	4.530E-10	0.	2.900E+04
7.636E-03	3.636E-02	1.505E-07	1.000E-06	1.165E-01	3.473E-05	6.767E-04	1.643E-09	0.	3.000E+04
6.134E-03	3.133E-02	8.737E-08	7.604E-07	1.163E-01	2.738E-05	1.042E-03	4.308E-06	0.	3.100E+04
4.995E-03	5.137E-02	5.479E-07	9.376E-07	1.176E-01	1.519E-05	1.568E-03	1.210E-08	0.	3.200E+04
4.033E-03	2.203E-02	3.050E-08	3.966E-07	1.181E-01	1.709E-05	2.302E-03	3.212E-08	0.	3.300E+04
3.314E-03	1.595E-02	1.841E-08	2.883E-07	1.181E-01	1.357E-05	3.302E-03	8.096E-08	0.	3.400E+04
2.751E-03	1.699E-02	1.120E-08	2.102E-07	1.176E-01	1.301E-05	4.633E-03	1.934E-07	0.	3.500E+04
2.309E-03	1.470E-02	6.875E-09	1.535E-07	1.166E-01	6.636E-06	4.361E-03	4.420E-07	0.	3.600E+04
1.980E-03	1.272E-02	6.247E-09	1.121E-07	1.147E-01	6.913E-06	6.364E-03	9.658E-07	5.376F-16	3.700E+04
1.683E-03	1.100E-02	2.635E-09	8.164E-08	1.122E-01	5.543E-06	1.125E-02	2.011E-05	2.196E-13	3.800E+04
1.460E-03	9.504E-03	1.630E-09	5.931E-08	1.091E-01	6.446E-06	1.650E-02	4.035E-06	8.330E-13	3.900E+04
1.280E-03	6.186E-03	1.019E-09	4.202E-08	1.053E-01	3.567E-06	1.830E-02	7.753E-06	2.941E-12	4.000E+04
1.133E-03	7.026E-03	6.322E-10	3.049E-08	1.008E-01	2.857E-06	2.264E-02	1.432E-05	9.734E-12	4.100E+04
1.012E-03	6.334E-03	3.910E-10	2.141E-08	9.567E-02	2.206E-06	2.766E-02	2.569E-05	3.002E-11	4.200E+04
9.111E-04	5.107E-03	2.467E-10	1.534E-08	9.009E-02	1.821E-06	3.266E-02	3.788E-05	8.761E-11	4.300E+04
8.259E-04	4.321E-03	1.474E-10	1.071E-08	8.614E-02	1.447E-06	3.613E-02	7.268E-05	2.046E-10	4.400E+04
7.533E-04	3.633E-03	9.967E-11	7.391E-09	7.766E-02	1.166E-06	4.374E-02	1.166E-04	8.269E-10	4.500E+04
6.907E-04	3.065E-03	5.428E-11	5.059E-09	7.171E-02	9.046E-07	4.976E-02	1.028E-04	1.555E-09	4.600E+04
6.336E-04	2.537E-03	3.266E-11	3.428E-09	6.552E-02	7.113E-07	5.668E-02	2.770E-04	3.687E-09	4.700E+04
5.884E-04	2.105E-03	1.959E-11	2.307E-09	5.950E-02	5.578E-07	6.013E-02	4.101E-04	8.393E-09	4.800E+04
5.460E-04	1.740E-03	1.170E-11	1.553E-09	5.375E-02	4.361E-07	6.508E-02	5.928E-04	1.820E-08	4.900E+04
5.002E-04	1.434E-03	8.971E-12	1.026E-09	4.834E-02	3.405E-07	8.385E-02	3.023E-04	5.000E+04	

TABLE II.- Continued

P/PD = 2.80E+02

T	E-	NM3	NM2	NM	N2M2	M	H2	H2+	H+
5.300E+02	0.	8.291E-01	1.197E-20	2.762E-35	2.273E-28	1.501E-22	1.202E-01	1.550E-18	7.202E-22
6.000E+02	0.	5.907E-01	3.364E-17	3.686E-29	5.665E-24	1.539E-18	2.069E-01	1.361E-18	2.180E-21
7.300E+02	0.	3.344E-01	7.759E-15	7.610E-25	5.601E-21	1.072E-15	4.992E-01	1.117E-10	4.823E-21
8.000E+02	0.	1.618E-01	3.696E-13	1.140E-21	7.150E-19	1.377E-13	6.207E-01	9.629E-19	9.329E-21
9.000E+02	0.	7.659E-02	6.517E-12	3.129E-19	2.656E-17	5.825E-12	6.926E-01	8.802E-19	1.675E-20
1.000F+03	0.	3.869E-02	6.086E-11	2.677E-17	6.555E-16	1.193E-10	7.210E-01	8.340E-19	2.784E-20
1.100E+03	0.	2.137E-02	3.683E-10	1.004E-15	4.444E-15	1.324E-09	7.340E-01	8.017E-19	4.203E-20
1.200E+03	0.	1.286E-02	1.632E-09	2.047E-14	2.969E-14	1.019E-08	7.404E-01	7.736E-19	6.161E-20
1.300E+03	0.	8.289E-03	5.719E-09	2.616E-13	1.473E-13	5.700E-08	7.430E-01	7.464E-19	8.302E-20
1.400E+03	0.	5.686E-03	1.670E-08	2.320E-12	5.794E-13	2.509E-07	7.457E-01	7.189E-19	1.069E-19
1.500E+03	1.533E-34	4.101E-03	4.223E-08	1.537E-11	1.906E-12	9.084E-07	7.469E-01	6.913E-19	1.323E-19
1.600E+03	3.319E-31	3.083E-03	9.497E-08	8.041E-11	9.414E-12	2.807E-06	7.477E-01	6.637E-19	1.584E-19
1.700E+03	2.961E-28	2.399E-03	1.941E-07	3.461E-10	1.363E-11	7.608E-06	7.482E-01	6.365E-19	1.847E-19
1.800E+03	1.260E-25	1.422E-03	3.663E-07	1.267E-09	3.104E-11	1.849E-05	7.485E-01	6.102E-19	2.106E-19
1.900E+03	2.874E-23	1.579E-03	6.465E-07	4.049E-09	6.504E-09	4.098E-05	7.488E-01	5.849E-19	2.358E-19
2.000E+03	5.836E-21	1.326E-03	1.078E-06	1.193E-08	1.267E-10	8.398E-05	7.489E-01	5.633E-19	2.611E-19
2.100E+03	2.521E-19	1.131E-03	1.712E-06	2.960E-18	2.322E-12	1.069E-04	7.490E-01	5.467E-19	3.075E-19
2.200E+03	3.572E-18	6.837E-04	2.607E-06	6.992E-08	4.033E-10	2.908E-06	7.490E-01	2.712E-18	1.599E-18
2.300E+03	2.446E-17	8.621E-04	3.826E-06	1.533E-07	6.656E-10	4.996E-06	7.494E-01	1.523E-17	9.971E-18
2.400E+03	1.377E-16	7.666E-04	5.439E-06	3.147E-07	1.264E-09	2.810E-06	7.497E-01	7.945E-17	5.724E-17
2.500E+03	6.607E-16	6.886E-04	7.516E-06	6.101E-07	1.634E-09	1.297E-03	7.498E-01	3.475E-16	2.891E-16
2.600E+03	2.812E-15	6.239E-04	1.013E-05	1.124E-06	2.479E-09	1.900E-03	7.498E-01	1.517E-15	1.294E-15
2.700E+03	1.077E-14	5.697E-04	1.334E-05	1.978E-06	3.508E-09	2.929E-03	7.470E-01	5.667E-15	5.192E-15
2.800E+03	3.757E-14	2.535E-05	1.722E-05	3.346E-06	4.938E-09	6.214E-03	7.459E-01	1.977E-14	1.090E-14
2.900E+03	1.204E-13	6.837E-04	2.183E-05	5.449E-06	6.790E-09	5.913E-03	7.446E-01	5.992E-14	6.300E-14
3.000E+03	3.575E-13	4.491E-04	2.722E-05	8.593E-06	9.130E-09	8.113E-03	7.425E-01	1.738E-13	1.941E-13
3.100E+03	9.936E-13	4.146E-04	3.341E-05	1.313E-05	1.206E-08	1.050E-02	7.401E-01	4.710E-13	5.569E-13
3.200E+03	2.580E-12	3.915E-04	4.049E-05	1.959E-05	1.503E-08	1.430E-02	7.371E-01	1.201E-12	1.990E-12
3.300E+03	6.344E-12	3.670E-04	4.832E-05	2.844E-05	1.993E-08	2.085E-02	7.334E-01	2.894E-12	3.797E-12
3.400E+03	1.481E-11	3.447E-04	5.764E-05	4.041E-05	2.300E-08	2.300E-02	7.289E-01	6.470E-12	9.122E-12
3.500E+03	3.297E-11	3.242E-04	6.656E-05	5.619E-05	3.052E-08	2.994E-02	7.235E-01	1.447E-11	2.086E-11
3.600E+03	7.032E-11	3.052E-04	7.684E-05	7.663E-05	3.772E-08	3.716E-02	7.172E-01	7.027E-11	4.559E-11
3.700E+03	1.637E-10	2.876E-04	8.700E-05	1.026E-04	4.342E-08	4.535E-02	7.399E-01	.083E-11	9.557E-11
3.800E+03	2.832E-10	2.705E-04	9.936E-05	1.352E-04	5.401E-08	5.519E-02	7.014E-01	1.170E-10	1.926E-10
3.900E+03	5.393E-10	2.545E-04	1.114E-04	1.753E-04	8.374E-08	6.613E-02	6.910E-01	2.203E-10	3.752E-10
4.000E+03	9.466E-10	2.301E-04	1.230E-04	2.240E-06	7.375E-08	7.846E-02	6.810E-01	3.990E-10	7.065E-10
4.100E+03	1.761E-09	2.244E-04	1.364E-04	2.823E-06	8.476E-08	9.215F-02	6.609E-01	7.012E-10	1.200E-09
4.200E+03	3.101E-09	2.101E-04	1.490E-04	3.511E-06	9.640E-08	1.073E-01	6.557E-01	1.198E-09	2.200E-09
4.300E+03	5.262E-09	1.963E-04	1.615E-04	6.315E-06	1.080E-07	1.233E-01	6.412E-01	1.994E-09	3.953E-09
4.400E+03	8.716E-09	1.830E-04	1.736E-04	5.242E-06	1.210E-07	1.477E-01	6.254E-01	3.234E-09	6.660E-09
4.500E+03	1.411E-07	1.701E-04	1.853E-04	6.298E-06	1.336E-07	1.610E-01	6.089E-01	9.130E-09	1.094E-08
4.600E+03	2.234E-08	1.576E-04	1.963E-04	7.468E-06	1.4662E-07	1.815E-01	5.904E-01	7.955E-09	1.764E-08
4.700E+03	3.470E-08	1.456E-04	2.064E-04	8.816E-06	1.585E-07	2.032E-01	5.713E-01	1.208E-08	2.701E-08
4.800E+03	5.305E-08	1.360E-04	2.159E-04	1.028E-03	1.734E-07	2.260E-01	5.513E-01	1.790E-08	4.209E-08
4.900E+03	7.950E-08	1.229E-04	2.235E-04	1.189E-03	1.816E-07	2.497E-01	5.304E-01	2.626E-08	6.526E-08
5.000E+03	1.172E-07	1.122E-04	2.302E-04	1.302E-03	1.920E-07	2.742E-01	5.080E-01	3.760E-08	9.734E-08
5.200E+03	2.431E-07	9.260E-04	2.397E-04	1.767E-03	2.097E-07	3.249E-01	4.641E-01	7.373E-08	2.063E-07
5.400E+03	6.767E-07	7.522E-05	2.436E-04	2.176E-03	2.224E-07	3.767E-01	4.183E-01	1.356E-07	4.122E-07
5.600E+03	8.489E-07	6.017E-05	2.420E-04	2.639E-03	2.296E-07	4.282E-01	3.720E-01	2.398E-07	7.810E-07
5.800E+03	1.546E-06	5.745E-05	2.355E-04	3.125E-03	3.141E-07	4.700E-01	3.264E-01	3.895E-07	1.410E-06
6.000E+03	2.710E-06	3.694E-05	2.290E-04	3.623E-03	2.292E-07	5.249E-01	3.053E-01	6.164E-07	2.430E-06
6.200E+03	6.470E-06	2.844E-05	2.115E-04	4.121E-03	2.200E-07	5.600E-01	2.677E-01	9.709E-07	4.055E-06
6.400E+03	7.133E-06	2.169E-05	1.961E-04	6.639E-05	2.101E-07	6.367E-01	2.127E-01	1.354E-06	6.507E-06
6.600E+03	1.105E-05	1.663E-05	1.798E-04	5.920E-05	1.971E-07	6.407E-01	1.815E-01	1.017E-05	1.017E-05
6.800E+03	1.666E-05	1.230E-05	1.629E-04	5.523E-05	1.827E-07	6.700E-01	1.542E-01	2.089E-06	1.526E-05
7.000E+03	2.451E-05	9.300E-06	1.465E-04	5.940E-05	1.6761E-07	6.946E-01	1.307E-01	3.473E-06	2.262E-05
7.200E+03	5.325E-05	6.975E-06	1.309E-04	6.320E-05	1.523E-07	7.150E-01	1.130E-01	4.514E-06	3.217E-05
7.400E+03	4.979E-05	5.230E-06	1.163E-04	6.660E-05	1.373E-07	7.316E-01	9.353E-02	5.766E-06	4.513E-05
7.600E+03	6.900E-05	3.924E-06	1.028E-04	6.958E-05	1.220E-07	7.447E-01	7.177E-02	7.177E-06	6.211E-05
7.800E+03	9.407E-05	2.949E-06	8.060E-05	7.210E-05	1.040E-07	7.548E-01	6.712E-02	8.014E-06	8.308E-05
8.000E+03	1.263E-05	2.200E-06	7.952E-05	7.613E-05	9.609E-08	7.823E-01	6.076E-02	1.067E-05	1.114E-05
8.200E+03	1.673E-05	1.675E-06	6.959E-05	7.564E-05	8.610E-08	7.675E-01	5.458E-02	1.274E-05	1.637E-05
8.400E+03	2.188E-05	1.266E-06	6.071E-05	7.663E-05	7.107E-08	7.708E-01	4.151E-02	1.503E-05	1.079E-05
8.600E+03	2.820E-05	9.595E-07	5.282E-05	7.709E-05	6.302E-08	7.726E-01	3.559E-02	1.794E-05	2.392E-05
8.800E+03	6.616E-06	7.208E-05	4.504E-05	7.702E-05	5.306E-08	7.731E-01	3.063E-02	2.027E-05	3.008E-05
9.000E+03	6.573E-06	5.549E-05	7.908E-05	7.604E-05	4.733E-08	7.725E-01	2.666E-02	2.374E-05	3.763E-05
9.200E+03	5.730E-06	6.235E-05	5.426E-05	7.530E-05	3.864E-08	7.712E-01	2.204E-02	2.044E-05	4.611E-05
9.400E+03	7.113E-06	3.240E-05	2.952E-05	7.304E-05	2.234E-08	7.693E-01	1.990E-02	2.988E-05	5.679E-05
9.600E+03	4.760E-06	2.468E-05	2.539E-05	7.193E-05	2.608E-08	7.669E-01	1.740E-02	3.397E-05	6.814E-05
9.800E+03	1.070E-05	1.912E-07	2.181E-05	6.908E-05	2.219E-08	7.644E-01	1.535E-02	3.757E-05	8.188E-05
1.000E+04	1.297E-03	1.476E-07	1.871E-05	6.715E-05	1.822E-08	7.617E-01	1.355E-02	4.177E-05	9.770E-05
1.100E+04	3.062E-03	1.270E-04	8.665E-05	5.275E-05	6.409E-09	7.494E-01	7.720E-03	6.704E-05	2.167E-03
1.200E+04	6.283E-01	1.308E-05	6.130E-05	5.951E-05	2.210E-09	7.404E-01	6.829E-03	1.033E-04	4.201E-03
1.300E+04	1.157E-02	5.044E-05	2.082E-05	2.951E-05	6.092E-10	7.353E-01	5.217E-03	1.405E-04	7.704E-03
1.400E+04	1.953E-02	2.118E-05	1.133E-05	2.723E-05	5.161E-10	7.301E-01	2.234E-03	2.024E-04	1.200E-02
1.500E+04	3.074E-02	6.630E-10	6.677E-07	1.669E-05	1.308E-10	7.264E-01	8.640E-03	2.677E-04	7.105E-02
1.600E+04	4.561E-02	3.866E-10	3.630E-07	1.288E-05	9.632E-11	7.204E-			

TABLE II.- Continued

P/PO = 2.806+02

N	N2	N2+	N+	N-	N0	N0+	N00	T
0.	0.	4.273E-02	7.394E-21	0.	0.	0.	0.	5.000E+02
0.	0.	1.023E-01	1.152E-20	0.	0.	0.	0.	6.000E+02
0.	0.	1.684E-01	1.460E-20	0.	0.	0.	0.	7.000E+02
0.	4.960E-30	2.056E-01	1.715E-20	0.	0.	0.	0.	8.000E+02
0.	1.472E-26	2.309E-01	1.986E-20	0.	0.	0.	0.	9.000E+02
0.	8.715E-24	2.403E-01	2.264E-20	0.	0.	0.	0.	1.000E+03
0.	1.612E-21	2.647E-01	2.526E-20	0.	0.	0.	0.	1.100E+03
0.	1.251E-19	2.648E-01	2.750E-20	0.	0.	0.	0.	1.200E+03
0.	4.975E-18	2.479E-01	2.924E-20	0.	0.	0.	0.	1.300E+03
0.	1.172E-16	2.488E-01	3.063E-20	0.	0.	0.	0.	1.400E+03
0.	1.813E-15	2.490E-01	3.155E-20	0.	0.	0.	0.	1.500E+03
4.353E-34	1.996E-14	2.492E-01	3.212E-20	0.	0.	0.	0.	1.600E+03
6.577E-31	1.659E-13	2.494E-01	3.239E-20	0.	0.	0.	0.	1.700E+03
4.443E-28	1.091E-12	2.495E-01	3.242E-20	0.	0.	0.	0.	1.800E+03
1.523E-25	5.891E-12	2.496E-01	3.227E-20	0.	0.	0.	0.	1.900E+03
2.917E-23	2.690E-11	2.497E-01	3.211E-20	0.	0.	0.	0.	2.000E+03
2.845E-21	1.063E-10	2.497E-01	4.100E-20	0.	0.	0.	0.	2.100E+03
6.999E-20	3.713E-10	2.497E-01	1.633E-19	0.	0.	0.	0.	2.200E+03
6.502E-19	1.164E-09	2.497E-01	9.344E-19	0.	0.	0.	0.	2.300E+03
3.191E-18	3.313E-09	2.497E-01	6.999E-18	0.	0.	0.	0.	2.400E+03
1.887E-17	8.702E-09	2.497E-01	2.357E-17	0.	0.	0.	0.	2.500E+03
9.615E-17	2.120E-08	2.496E-01	9.900E-17	0.	0.	0.	0.	2.600E+03
4.387E-16	4.817E-08	2.495E-01	3.747E-16	0.	0.	0.	0.	2.700E+03
1.792E-15	1.041E-07	2.495E-01	1.292E-15	0.	0.	0.	0.	2.800E+03
6.635E-15	2.123E-07	2.491E-01	4.097E-15	0.	0.	0.	0.	2.900E+03
2.298E-14	4.133E-07	2.489E-01	1.205E-14	0.	0.	0.	0.	3.000E+03
7.029E-14	7.715E-07	2.485E-01	3.313E-14	0.	0.	0.	0.	3.100E+03
2.043E-13	1.384E-06	2.481E-01	8.560E-14	0.	0.	0.	0.	3.200E+03
5.558E-13	2.397E-06	2.475E-01	2.092E-13	0.	0.	0.	0.	3.300E+03
1.423E-12	6.019E-06	2.464E-01	4.656E-13	0.	0.	0.	0.	3.400E+03
3.449E-12	9.541E-06	2.461E-01	1.074E-12	0.	0.	0.	0.	3.500E+03
7.925E-12	1.036E-05	2.452E-01	2.204E-12	0.	0.	0.	0.	3.600E+03
1.739E-11	1.601E-05	2.441E-01	4.656E-12	0.	0.	0.	0.	3.700E+03
3.652E-11	2.416E-05	2.429E-01	9.166E-12	0.	0.	0.	0.	3.800E+03
7.367E-11	3.571E-05	2.415E-01	1.743E-11	0.	0.	0.	0.	3.900E+03
1.431E-10	9.173E-05	2.399E-01	3.214E-11	0.	0.	0.	0.	4.000E+03
2.664E-10	7.354E-05	2.382E-01	5.750E-11	0.	0.	0.	0.	4.100E+03
6.871E-10	1.028E-04	2.362E-01	1.003E-10	0.	0.	0.	0.	4.200E+03
6.573E-10	1.415E-04	2.341E-01	1.705E-10	0.	0.	0.	0.	4.300E+03
1.466E-09	1.918E-04	2.318E-01	2.832E-10	0.	0.	0.	0.	4.400E+03
2.440E-09	2.563E-04	2.293E-01	4.600E-10	0.	0.	0.	0.	4.500E+03
3.960E-09	3.382E-04	2.266E-01	7.320E-10	0.	0.	0.	0.	4.600E+03
6.233E-09	6.437E-04	2.238E-01	1.143E-09	0.	0.	0.	0.	4.700E+03
9.715E-09	5.678E-04	2.208E-01	1.752E-09	0.	0.	0.	0.	4.800E+03
1.473E-08	7.233E-04	2.176E-01	2.661E-09	0.	0.	0.	0.	4.900E+03
2.107E-08	9.127E-04	2.144E-01	3.918E-09	0.	0.	0.	0.	5.000E+03
4.560E-08	1.417E-03	2.075E-01	8.253E-09	0.	0.	0.	0.	5.200E+03
8.871E-08	2.112E-03	2.004E-01	1.649E-08	0.	0.	0.	0.	5.400E+03
1.621E-07	3.043E-03	1.931E-01	3.142E-08	0.	0.	0.	0.	5.600E+03
2.801E-07	4.330E-03	1.859E-01	5.746E-08	0.	0.	0.	0.	5.800E+03
6.600E-07	9.717E-03	1.787E-01	1.011E-07	0.	0.	0.	0.	6.000E+03
7.219E-07	8.046E-03	1.718E-01	1.722E-07	0.	0.	0.	0.	6.200E+03
1.300E-06	1.304E-02	1.651E-01	2.631E-07	0.	0.	0.	0.	6.400E+03
1.581E-06	1.918E-02	1.586E-01	4.562E-07	0.	0.	0.	0.	6.600E+03
2.226E-06	1.780E-02	1.523E-01	7.130E-07	0.	0.	0.	0.	6.800E+03
3.066E-06	2.242E-02	1.461E-01	1.087E-06	0.	0.	0.	0.	7.000E+03
6.364E-06	2.793E-02	1.399E-01	1.617E-06	0.	0.	0.	0.	7.200E+03
9.304E-06	3.421E-02	1.337E-01	2.350E-06	0.	0.	0.	0.	7.400E+03
6.788E-06	4.153E-02	1.274E-01	3.334E-06	0.	0.	0.	0.	7.600E+03
6.536E-06	6.972E-02	1.209E-01	4.636E-06	0.	0.	0.	0.	7.800E+03
1.057E-05	9.806E-02	1.142E-01	6.952E-06	0.	0.	0.	0.	8.000E+03
1.291E-05	6.873E-02	1.072E-01	8.369E-06	0.	0.	0.	0.	8.200E+03
1.535E-05	7.942E-02	1.000E-01	1.088E-05	0.	0.	0.	0.	8.400E+03
1.856E-05	9.075E-02	9.269E-02	1.385E-05	0.	0.	0.	0.	8.600E+03
2.190E-05	1.026E-01	8.522E-02	1.726E-05	0.	0.	0.	0.	8.800E+03
2.561E-05	1.197E-01	7.711E-02	2.104E-05	0.	0.	0.	0.	9.000E+03
2.967E-05	1.268E-01	7.026E-02	2.918E-05	0.	0.	0.	0.	9.200E+03
3.416E-05	1.309E-01	6.298E-02	4.952E-05	0.	0.	0.	0.	9.400E+03
3.903E-05	1.506E-01	5.597E-02	3.395E-05	0.	0.	0.	0.	9.600E+03
4.429E-05	1.617E-01	4.933E-02	3.830E-05	0.	0.	0.	0.	9.800E+03
6.987E-05	1.722E-01	4.313E-02	4.260E-05	0.	0.	0.	0.	1.000E+04
8.454E-05	2.109E-01	2.016E-02	5.841E-05	0.	0.	0.	0.	1.100E+04
1.817E-04	2.340E-01	3.957E-03	6.204E-05	0.	0.	0.	0.	1.200E+04
2.309E-04	2.317E-01	1.910E-03	5.903E-05	0.	0.	0.	0.	1.300E+04
2.963E-04	2.207E-01	9.679E-04	5.306E-05	0.	0.	0.	0.	1.400E+04
3.488E-04	2.207E-01	9.142E-04	4.827E-05	0.	0.	0.	0.	1.500E+04
3.913E-04	2.094E-01	8.038E-04	4.227E-05	0.	0.	0.	0.	1.600E+04
4.197E-04	1.969E-01	1.595E-04	3.616E-05	0.	0.	0.	0.	1.700E+04
4.312E-04	1.819E-01	9.102E-05	3.021E-05	0.	0.	0.	0.	1.800E+04
4.255E-04	1.659E-01	9.220E-05	2.466E-05	0.	0.	0.	0.	1.900E+04

TABLE II.- Continued

T	E-	NM3	NM2	NH	N2H2	H	H2	H2+	HO
2.100E+04	1.71E-01	7.402E-12	1.879E-08	2.763E-06	8.467E-13	5.076E-01	2.100E-04	5.093E-04	1.120E-01
2.200E+04	2.019E-01	3.148E-12	9.904E-09	1.910E-06	3.404E-13	4.633E-01	1.478E-04	6.924E-04	1.341E-01
2.300E+04	2.329E-01	1.299E-12	5.093E-09	1.292E-06	1.331E-13	6.190E-01	9.322E-05	6.644E-04	1.550E-01
2.400E+04	2.618E-01	5.210E-13	2.561E-09	8.572E-05	5.064E-14	3.761E-01	6.564E-05	6.253E-04	1.767E-01
2.500E+04	2.891E-01	2.269E-13	1.265E-09	5.995E-05	1.880E-14	3.356E-01	4.279E-05	3.799E-04	1.968E-01
2.600E+04	3.142E-01	7.920E-14	6.165E-10	3.607E-05	6.924E-15	2.902E-01	2.759E-05	3.314E-04	2.159E-01
2.700E+04	3.366E-01	3.037E-14	2.994E-10	2.309E-05	2.525E-15	2.643E-01	1.767E-05	2.043E-04	2.327E-01
2.800E+04	3.566E-01	1.163E-14	1.442E-10	1.472E-05	9.210E-16	2.341E-01	1.120E-05	2.406E-04	2.481E-01
2.900E+04	3.738E-01	4.473E-15	6.909E-11	9.379E-06	3.384E-16	2.076E-01	7.201E-06	2.019E-04	2.618E-01
3.000E+04	3.866E-01	1.740E-15	3.610E-11	5.995E-06	1.259E-16	1.883E-01	4.612E-06	1.876E-04	2.730E-01
3.100E+04	4.019E-01	6.866E-16	1.600E-11	3.052E-06	4.761E-17	1.641E-01	2.971E-06	1.309E-04	2.842E-01
3.200E+04	4.132E-01	2.762E-16	8.442E-12	2.492E-06	1.034E-17	1.467E-01	1.929E-06	1.140E-04	2.932E-01
3.300E+04	4.231E-01	1.134E-16	4.289E-12	1.625E-06	7.230E-18	1.319E-01	1.204E-06	9.487E-05	3.010E-01
3.400E+04	4.318E-01	4.757E-17	2.214E-12	1.060E-06	2.900E-18	1.024E-01	8.371E-07	7.847E-05	3.076E-01
3.500E+04	4.395E-01	2.041E-17	1.161E-12	7.080E-07	1.195E-19	1.070E-01	6.604E-07	5.504E-05	3.132E-01
3.600E+04	4.465E-01	8.946E-18	6.184E-13	4.738E-07	5.012E-19	9.710E-02	3.794E-07	9.409E-05	3.179E-01
3.700E+04	4.529E-01	4.000E-18	3.349E-13	3.190E-07	2.140E-19	8.844E-02	2.599E-07	5.500E-05	3.218E-01
3.800E+04	4.589E-01	1.832E-18	1.834E-13	2.142E-07	9.290E-20	8.009E-02	1.801E-07	3.769E-05	3.249E-01
3.900E+04	4.646E-01	8.230E-19	1.010E-13	1.673E-07	6.009E-20	7.416E-02	1.242E-07	3.109E-05	3.273E-01
4.000E+04	4.731E-01	4.061E-19	5.710E-14	1.000E-07	1.022E-20	6.624E-02	8.941E-08	2.667E-05	3.292E-01
4.100E+04	4.754E-01	1.946E-19	3.242E-14	6.925E-08	8.192E-21	6.299E-02	6.430E-08	2.258E-05	3.394E-01
4.200E+04	4.806E-01	9.500E-20	1.855E-14	4.767E-08	3.712E-21	5.870E-02	6.634E-08	1.915E-05	3.412E-01
4.300E+04	4.857E-01	4.701E-20	1.070E-14	3.288E-08	1.692E-21	5.615E-02	3.307E-08	1.632E-05	3.410E-01
4.400E+04	4.907E-01	2.357E-20	6.219E-15	2.270E-08	7.747E-22	5.227E-02	2.499E-08	1.797E-05	3.316E-01
4.500E+04	4.956E-01	1.193E-20	3.633E-15	1.560E-08	3.561E-22	4.693E-02	1.881E-08	1.296E-05	3.313E-01
4.600E+04	5.003E-01	6.107E-21	1.137E-15	1.047E-08	1.663E-22	4.384E-02	1.798E-08	1.019E-05	3.309E-01
4.700E+04	5.060E-01	3.159E-21	1.260E-15	7.500E-09	7.604E-23	4.104E-02	1.060E-08	9.956E-06	3.303E-01
4.800E+04	5.091E-01	1.465E-21	7.925E-16	5.920E-09	9.933E-23	3.852E-02	8.094E-09	7.787E-06	3.247E-01
4.900E+04	5.131E-01	8.716E-22	4.500E-16	3.638E-09	1.840E-23	3.620E-02	6.231E-09	6.790E-06	3.290E-01
5.000E+04	5.169E-01	4.667E-22	2.716E-16	2.500E-09	7.723E-24	3.400E-02	4.837E-09	5.943E-06	3.203E-01

P/PD = 3.00E+02

T	E-	NM3	NM2	NH	N2H2	H	H3	H2+	HO
5.000E+02	0.	8.346E-01	1.102E-20	2.677E-35	2.287E-28	1.427E-22	1.262E-01	1.554E-18	7.000E-22
6.000E+02	0.	6.012E-01	3.950E-17	3.992E-29	5.562E-24	1.468E-18	2.961E-01	1.350E-18	2.160E-21
7.000E+02	0.	3.460E-01	7.823E-15	7.400E-25	9.500E-21	1.026E-19	6.909E-01	1.123E-18	4.761E-21
8.000E+02	0.	1.700E-01	3.760E-13	1.130E-21	7.920E-19	1.323E-19	6.229E-01	9.499E-19	4.123E-21
9.000E+02	0.	8.123E-02	6.695E-12	3.113E-19	2.860E-17	5.613E-12	6.849E-01	8.849E-19	4.631E-20
1.000E+03	0.	4.124E-02	6.272E-11	2.670E-17	4.050E-16	1.132E-10	7.191E-01	3.049E-19	2.704E-20
1.100E+03	0.	2.202E-02	3.800E-10	1.000E-15	4.760E-15	1.2790E-09	7.320E-01	8.042E-19	4.154E-20
1.200E+03	0.	1.373E-02	1.687E-09	2.040E-16	3.175E-16	9.000E-09	7.397E-01	7.702E-19	5.955E-20
1.300E+03	0.	8.871E-03	9.919E-09	2.614E-13	1.973E-13	5.905E-08	7.432E-01	7.492E-19	8.053E-20
1.400E+03	0.	6.088E-03	1.720E-08	3.219E-12	6.203E-13	2.623E-07	7.454E-01	7.222E-19	1.020E-19
1.500E+03	1.423E-34	4.391E-03	4.300E-08	1.937E-11	2.041E-12	8.779E-07	7.467E-01	6.951E-19	1.209E-19
1.600E+03	3.077E-31	3.301E-03	9.827E-08	8.039E-11	5.797E-12	7.211E-06	7.479E-01	6.840E-19	1.541E-19
1.700E+03	2.767E-29	2.370E-03	2.009E-07	3.461E-10	1.460E-11	7.350E-06	7.481E-01	6.413E-19	1.700E-19
1.800E+03	1.160E-25	2.050E-03	3.791E-07	1.247E-09	3.327E-11	7.100E-05	7.484E-01	6.150E-19	2.053E-19
1.900E+03	2.050E-23	1.691E-03	6.691E-07	4.046E-09	6.967E-11	3.959E-05	7.497E-01	5.909E-19	2.300E-19
2.000E+03	3.542E-21	1.414E-03	1.110E-06	1.130E-08	1.350E-10	9.113E-05	7.509E-01	5.600E-19	2.549E-19
2.100E+03	2.361E-19	1.211E-03	1.772E-06	2.940E-08	2.407E-10	1.554E-04	7.490E-01	5.304E-19	3.533E-19
2.200E+03	3.514E-18	1.051E-03	2.400E-06	6.992E-08	4.320E-10	2.800E-04	7.460E-01	5.004E-18	3.150E-18
2.300E+03	2.515E-17	9.236E-04	3.961E-07	1.533E-07	7.163E-10	6.827E-04	7.450E-01	4.442E-17	9.376E-19
2.400E+03	1.320E-16	8.213E-04	9.630E-06	3.147E-07	1.140E-09	7.937E-04	7.467E-01	7.732E-17	9.302E-19
2.500E+03	6.334E-16	7.370E-04	7.770E-06	8.101E-07	1.750E-09	1.253E-03	7.480E-01	5.570E-16	2.711E-16
2.600E+03	2.699E-15	6.695E-04	1.046E-05	1.124E-06	2.600E-09	1.913E-03	7.478E-01	6.177E-15	2.121E-15
2.700E+03	1.032E-14	6.104E-04	1.301E-05	1.970E-06	3.750E-09	2.820E-03	7.471E-01	5.503E-15	4.887E-15
2.800E+03	3.597E-14	5.610E-04	1.702E-05	3.346E-06	5.292E-09	6.871E-03	7.466E-01	5.009E-14	1.700E-14
2.900E+03	1.152E-13	5.105E-04	2.240E-05	5.450E-06	7.270E-09	9.713E-03	7.464E-01	5.044E-14	9.324E-14
3.000E+03	3.420E-13	6.014E-04	2.611E-05	8.595E-06	9.704E-09	7.603E-03	7.462E-01	5.044E-13	9.321E-13
3.100E+03	9.077E-13	4.081E-04	3.600E-05	1.310E-05	1.203E-09	1.050E-02	7.464E-01	5.000E-13	2.951E-13
3.200E+03	2.467E-12	4.190E-04	4.100E-05	1.900E-05	1.670E-09	1.300E-02	7.379E-01	1.177E-12	1.411E-12
3.300E+03	6.061E-12	3.739E-04	5.000E-05	2.847E-05	2.113E-08	1.802E-02	7.332E-01	2.820E-12	5.303E-12
3.400E+03	1.415E-11	3.699E-04	5.911E-05	6.404E-05	2.663E-08	2.301E-02	7.705E-01	6.477E-12	6.611E-12
3.500E+03	3.150E-11	3.681E-04	6.899E-05	5.624E-05	3.319E-08	3.898E-02	7.334E-01	4.164E-11	1.970E-11
3.600E+03	8.708E-11	3.278E-04	7.904E-05	7.671E-05	4.050E-08	3.393E-02	7.102E-01	2.987E-11	6.307E-11
3.700E+03	1.372E-10	3.088E-04	9.100E-05	1.020E-04	4.870E-08	4.405E-02	7.111E-01	9.364E-11	9.321E-11
3.800E+03	2.704E-10	2.909E-04	1.031E-04	1.354E-04	5.005E-08	5.330E-02	7.029E-01	1.154E-10	1.022E-10
3.900E+03	5.149E-10	2.739E-04	1.157E-04	1.750E-04	6.826E-08	6.300E-02	6.934E-01	1.150E-10	3.500E-10
4.000E+03	9.446E-10	2.576E-04	1.204E-04	2.245E-04	7.937E-08	7.500E-02	6.632E-01	7.913E-10	6.632E-10
4.100E+03	1.700E-09	2.420E-04	1.619E-04	2.830E-04	9.130E-08	8.919E-02	6.719E-01	6.807E-10	1.221E-09
4.200E+03	2.060E-09	2.260E-04	1.951E-04	3.522E-04	1.039E-07	1.039E-01	7.197E-09	2.167E-09	4.001E-09
4.300E+03	5.023E-09	2.122E-04	3.602E-04	4.331E-04	1.171E-07	1.199E-01	6.645E-01	1.000E-09	3.704E-09
4.400E+03	6.320E-09	1.901E-04	3.801E-04	5.264E-04	1.307E-07	1.373E-01	6.292E-01	1.103E-09	6.310E-09
4.500E+03	1.367E-08	1.864E-04	1.934E-04	6.320E-04	1.445E-07	1.561E-01	6.126E-01	9.921E-09	1.029E-08
4.600E+03	2.136E-08	1.712E-04	2.051E-04	7.330E-04	1.584E-07	1.701E-01	5.952E-01	7.904E-09	1.073E-08
4.700E+03	3.221E-08	1.594E-04	2.194E-04	8.872E-04	1.720E-07	1.972E-01	5.706E-01	1.197E-08	1.133E-08
4.800E+03	5.066E-08	1.466E-04	2.759E-04	1.036E-03	1.651				

TABLE II.- Continued

M+	N	N2	N2+	N	N-	N+	N++	N+++	T
6.041E-04	1.483E-01	2.991E-09	1.953E-09	5.842E-02	2.149E-04	2.107E-06	1.437E-19	0.	2.100E+04
3.709E-34	.. 314E-01	1.105E-C9	1.913E-09	6.790E-02	1.935E-04	1.477E-06	1.055E-14	0.	2.200E+04
3.240E-24	.. 144E-01	9.889E-08	1.147E-09	7.687E-02	1.895E-04	1.514E-05	6.642E-14	0.	2.300E+04
2.396E-34	.. 536E-02	5.492E-08	8.520E-06	8.503E-02	1.435E-04	1.514E-05	3.654E-13	0.	2.400E+04
1.984E-03	7.291E-02	1.721E-08	6.246E-06	9.224E-02	1.91E-05	1.791E-12	0.	2.500E+04	
1.620E-04	.. 161E-02	9.691E-07	6.252E-06	9.642E-02	9.705E-04	1.514E-05	7.896E-12	0.	2.600E+04
1.311E-04	.. 1265E-07	5.488E-07	2.331E-06	1.076E-01	6.220E-01	1.435E-04	3.169E-11	0.	2.700E+04
1.056E-04	.. 124E-02	3.134E-07	1.670E-06	1.112E-01	6.231E-01	1.435E-04	3.990E-10	0.	2.800E+04
8.492E-05	.. 6.6E-02	1.008E-07	1.198E-06	1.130E-01	1.897E-01	1.308E-04	1.269E-09	0.	2.900E+04
6.048E-05	3.240E-02	1.055E-07	6.633E-07	1.157E-01	1.742E-01	1.742E-04	7.705E-09	0.	3.100E+04
5.931E-05	2.821E-02	6.235E-08	6.261E-07	1.170E-01	2.447E-01	1.466E-03	1.063E-08	0.	3.200E+04
4.532E-05	2.029E-02	3.727E-07	4.536E-07	1.176E-01	9.117E-01	2.153E-03	2.820E-08	0.	3.300E+04
3.734E-05	2.096E-02	2.275E-07	1.307E-07	1.180E-01	1.100E-01	3.091E-03	7.100E-08	0.	3.400E+04
3.167E-05	1.810E-02	1.377E-07	1.170E-07	1.170E-01	1.170E-01	4.339E-03	1.700E-07	0.	3.500E+04
2.613E-05	1.576E-02	6.988E-03	1.173E-07	1.167E-01	1.167E-01	5.963E-03	3.884E-07	9.940E-19	3.600E+04
2.223E-05	1.363E-02	5.260E-05	1.300E-07	1.151E-01	1.151E-01	8.024E-03	8.478E-07	4.130E-14	3.700E+04
1.911E-05	1.184E-02	3.202E-05	9.515E-08	1.129E-01	1.177E-01	1.050E-02	1.772E-06	1.804E-13	3.800E+04
1.661E-05	1.029E-02	2.051E-05	6.944E-08	1.099E-01	1.132E-01	1.366E-02	3.551E-06	8.852E-13	3.900E+04
1.458E-05	8.652E-03	1.203E-05	1.039E-08	1.063E-01	1.124E-01	1.728E-02	8.837E-06	2.424E-12	4.000E+04
1.355E-05	6.513E-03	4.987E-10	2.598E-08	1.021E-01	1.103E-01	2.143E-02	1.266E-05	8.014E-12	4.100E+04
1.061E-05	5.577E-03	3.091E-10	1.042E-08	9.186E-02	1.130E-02	2.652E-02	2.600E-05	2.485E-11	4.200E+04
9.442E-06	4.734E-03	1.906E-10	1.293E-08	8.810E-02	1.199E-02	3.642E-02	8.682E-05	2.002E-10	4.400E+04
8.618E-06	4.001E-03	1.169E-05	8.796E-09	8.007E-02	1.351E-06	4.193E-02	1.048E-04	9.234E-10	4.500E+04
7.900E-06	3.363E-03	7.131E-11	6.198E-09	7.392E-02	1.070E-04	4.748E-02	1.638E-04	1.303E-09	4.600E+04
7.289E-06	2.813E-03	4.327E-11	6.234E-09	6.770E-02	8.453E-07	5.296E-02	2.495E-04	3.099E-09	4.700E+04
6.746E-06	2.363E-03	2.613E-11	2.871E-09	6.170E-02	8.655E-07	5.625E-02	3.705E-04	7.041E-09	4.800E+04
6.266E-06	1.964E-03	1.572E-11	1.934E-C9	5.603E-02	9.226E-07	6.325E-02	5.373E-04	1.539E-08	4.900E+04
5.834E-06	1.607E-03	9.437E-12	1.299E-09	5.056E-02	4.095E-07	4.788E-07	7.622E-04	3.240E-08	5.000E+04

P/PQ = 3.00E+02

M+	N	N2	N2+	N	N-	N+	N++	N+++	T
0.	0.	6.161E-02	7.418E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.973E-02	1.159E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.635E-C1	1.673E-20	0.	0.	0.	0.	0.	7.000E+02
0.	6.767E-30	2.075E-01	1.728E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.411E-26	2.297E-C1	1.995E-20	0.	0.	0.	0.	0.	9.000E+02
0.	8.408E-26	2.397E-01	2.276E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.557E-21	2.643E-01	2.534E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.208E-19	2.666E-01	2.759E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.805E-18	2.478E-C1	2.946E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.132E-16	2.689E-01	3.077E-20	9.118E-32	0.	0.	0.	0.	1.400E+03
0.	1.752E-15	2.689E-01	3.173E-20	8.109E-31	0.	0.	0.	0.	1.500E+03
0.	6.305E-31	1.633E-12	2.946E-01	3.264E-20	2.912E-29	0.	0.	0.	1.600E+03
0.	6.255E-28	1.354E-12	2.655E-01	3.270E-20	1.286E-28	0.	0.	0.	1.800E+03
1.457E-25	5.691E-12	2.696E-01	3.257E-20	4.020E-28	6.	0.	0.	0.	1.900E+03
2.760E-23	2.590E-11	2.606E-01	3.246E-20	3.305E-27	0.	0.	0.	0.	2.000E+03
2.563E-21	1.027E-10	2.697E-01	4.087E-20	5.888E-27	5.064E-29	0.	0.	0.	2.100E+03
6.945E-20	3.507E-10	2.495E-01	5.949E-19	6.130E-20	2.1372E-27	0.	0.	0.	2.200E+03
6.448E-19	1.124E-09	2.697E-01	9.134E-19	8.629E-25	6.014E-26	0.	0.	0.	2.300E+03
3.120E-18	3.205E-09	2.497E-01	6.636E-19	1.047E-23	7.076E-25	0.	0.	0.	2.400E+03
1.853E-17	6.506E-09	2.497E-01	2.295E-17	1.053E-22	8.296E-24	0.	0.	0.	2.500E+03
9.547E-17	2.046E-08	2.496E-01	9.663E-17	8.897E-22	8.010E-23	0.	0.	0.	2.600E+03
6.350E-16	6.873E-08	2.695E-01	2.695E-16	6.433E-21	6.545E-22	0.	0.	0.	2.700E+03
1.770E-15	1.009E-07	2.693E-01	1.259E-15	6.064E-20	6.594E-21	0.	0.	0.	2.800E+03
6.576E-15	2.353E-07	2.691E-01	3.996E-15	2.265E-19	2.015E-20	0.	0.	0.	2.900E+03
2.227E-14	3.956E-07	2.689E-01	1.170E-14	1.113E-18	1.527E-19	0.	0.	0.	3.000E+03
6.900E-14	7.594E-07	2.688E-01	3.233E-14	6.944E-19	7.415E-19	0.	0.	0.	3.100E+03
2.023E-13	1.337E-06	2.681E-01	8.358E-14	2.035E-17	3.201E-18	0.	0.	0.	3.200E+03
5.501E-13	2.311E-06	2.678E-01	2.043E-13	7.662E-17	1.300E-17	0.	0.	0.	3.300E+03
1.400E-12	5.083E-06	2.701E-01	6.765E-13	2.050E-16	6.031E-17	0.	0.	0.	3.400E+03
3.400E-12	6.321E-06	2.662E-01	1.052E-12	6.621E-16	1.653E-16	0.	0.	0.	3.500E+03
7.642E-12	1.001E-05	2.654E-01	2.233E-12	2.023E-15	9.279E-16	0.	0.	0.	3.600E+03
1.721E-11	1.547E-05	2.633E-01	6.597E-12	7.521E-15	1.579E-15	0.	0.	0.	3.700E+03
3.616E-11	2.324E-05	2.631E-01	8.667E-12	2.063E-14	4.452E-15	0.	0.	0.	3.800E+03
7.291E-11	3.651E-05	2.610E-01	1.700E-11	5.270E-14	1.180E-14	0.	0.	0.	3.900E+03
1.416E-10	5.000E-05	2.603E-01	3.160E-11	1.302E-13	3.010E-14	0.	0.	0.	4.000E+03
2.657E-10	7.112E-05	2.566E-01	5.306E-11	3.075E-13	7.100E-14	0.	0.	0.	4.100E+03
6.426E-10	9.964E-05	2.367E-01	9.827E-11	6.900E-13	1.601E-13	0.	0.	0.	4.200E+03
8.453E-10	1.300E-04	2.306E-01	1.671E-10	1.527E-12	3.761E-13	0.	0.	0.	4.300E+03
1.053E-09	1.655E-04	2.223E-01	2.775E-10	3.229E-12	8.050E-13	0.	0.	0.	4.400E+03
2.420E-09	2.600E-04	2.209E-01	6.509E-10	6.398E-12	1.603E-12	0.	0.	0.	4.500E+03
3.929E-09	3.272E-04	2.273E-01	7.170E-10	1.300E-11	3.321E-12	0.	0.	0.	4.600E+03
6.220E-09	6.265E-04	2.205E-01	1.121E-09	2.926E-11	6.428E-12	0.	0.	0.	4.700E+03
9.633E-09	9.655E-04	2.210E-01	1.715E-09	6.765E-11	1.200E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
6.900E+03	1.544E-08	1.342E-04	2.345E-04	1.190E-03	1.977E-07	2.424E-11	5.364E-01	2.594E-08	6.194E-08
9.000E+03	1.119E-07	1.229E-04	2.420E-04	1.374E-03	2.094E-07	2.664E-01	5.195E-01	3.779E-08	9.247E-08
9.200E+03	2.323E-07	1.019E-04	2.527E-04	1.764E-03	2.295E-07	3.104E-01	4.715E-01	7.315E-08	1.962E-07
9.400E+03	4.559E-07	8.318E-05	2.577E-04	2.204E-03	2.643E-07	3.675E-01	4.264E-01	1.349E-07	3.924E-07
9.600E+03	8.504E-07	6.672E-05	2.370E-04	2.076E-03	2.523E-07	4.184E-01	3.812E-01	2.352E-07	7.443E-07
9.800E+03	1.517E-06	5.309E-05	2.512E-04	3.170E-03	2.564E-07	4.690E-01	3.972E-01	2.094E-07	1.346E-06
6.000E+03	2.598E-36	4.157E-05	2.410E-04	3.674E-03	2.594E-07	5.149E-01	2.953E-01	6.186E-07	2.330E-06
6.200E+03	4.287E-06	3.219E-05	2.274E-04	4.208E-03	2.644E-07	5.587E-01	2.563E-01	9.360E-07	3.878E-06
6.400E+03	6.846E-06	2.970E-05	2.116E-04	4.716E-03	2.357E-07	5.974E-01	2.209E-01	1.360E-06	6.239E-06
6.600E+03	1.061E-05	1.881E-05	1.946E-04	5.207E-03	2.220E-07	6.320E-01	1.692E-01	1.933E-04	9.691E-04
6.800E+03	1.601E-05	1.429E-05	1.771E-04	5.676E-03	2.049E-07	6.620E-01	1.613E-01	2.450E-04	1.644E-05
7.000E+03	2.357E-05	1.076E-05	1.586E-04	6.111E-03	1.960E-07	6.874E-01	1.371E-01	2.777E-04	2.154E-05
7.200E+03	3.394E-05	8.103E-06	1.432E-04	6.512E-03	1.732E-07	7.084E-01	1.164E-01	4.609E-04	3.091E-05
7.400E+03	6.792E-05	6.101E-06	1.276E-04	6.873E-03	1.566E-07	7.280E-01	9.060E-02	9.879E-04	1.344E-05
7.600E+03	8.644E-05	4.559E-06	1.133E-04	7.199E-03	1.405E-07	7.590E-01	8.373E-02	7.958E-04	5.901E-05
7.800E+03	9.000E-05	3.465E-06	9.991E-05	7.441E-03	1.251E-07	7.504E-01	7.113E-02	6.054E-04	8.885E-05
8.000E+03	1.217E-04	2.617E-06	8.791E-05	7.662E-03	1.186E-07	7.588E-01	6.039E-02	1.097E-03	1.074E-04
8.200E+03	1.612E-04	1.981E-06	7.710E-05	7.851E-03	9.708E-07	7.646E-01	5.164E-02	1.312E-03	1.404E-04
8.400E+03	2.108E-04	1.502E-06	6.742E-05	7.969E-03	8.461E-07	7.689E-01	4.621E-02	1.595E-03	1.816E-04
8.600E+03	2.725E-04	1.161E-06	5.879E-05	8.027E-03	7.322E-08	7.707E-01	3.795E-02	1.811E-03	2.311E-04
8.800E+03	3.464E-04	8.693E-05	9.112E-05	8.328E-03	6.204E-08	7.714E-01	3.246E-02	2.096E-03	2.908E-04
9.000E+03	4.068E-04	6.636E-07	6.435E-05	7.965E-03	5.359E-03	7.714E-01	2.927E-02	2.404E-03	3.619E-04
9.200E+03	5.524E-04	5.077E-05	3.838E-05	7.886E-03	4.533E-03	7.704E-01	2.459E-02	2.777E-03	4.460E-04
9.400E+03	6.860E-04	3.894E-07	3.314E-05	7.761E-03	3.808E-03	7.687E-01	2.139E-02	3.095E-03	5.446E-04
9.600E+03	8.441E-04	2.954E-07	2.856E-05	7.556E-03	3.176E-03	7.646E-01	1.871E-02	3.474E-03	6.593E-04
9.800E+03	1.332E-03	2.304E-07	2.458E-05	7.331E-03	2.622E-03	7.607E-01	1.644E-02	3.890E-03	7.923E-04
1.000E+04	1.290E-03	1.765E-07	2.112E-05	7.078E-03	2.108E-03	7.517E-01	1.451E-02	4.331E-03	9.454E-04
1.100E+04	2.954E-03	5.218E-08	5.003E-06	5.003E-03	7.765E-03	7.497E-01	8.283E-02	7.734E-03	2.096E-03
1.200E+04	8.366E-03	1.702E-08	4.731E-06	4.220E-03	2.707E-03	7.406E-01	5.177E-03	1.078E-02	6.160E-03
1.300E+04	1.117E-02	6.230E-08	3.399E-06	3.151E-03	4.939E-03	7.319E-01	3.491E-03	1.439E-04	7.651E-03
1.400E+04	1.847E-02	2.488E-09	1.269E-06	2.303E-03	3.899E-10	7.209E-01	2.401E-03	2.049E-04	1.242E-02
1.500E+04	2.972E-02	1.649E-05	7.614E-07	1.816E-03	1.621E-10	7.059E-01	1.710E-03	2.774E-04	1.939E-02
1.600E+04	4.612E-02	6.812E-10	3.976E-07	1.397E-03	7.013E-11	6.807E-01	1.294E-03	3.378E-04	2.065E-02
1.700E+04	6.226E-02	2.222E-10	2.277E-07	1.055E-03	3.102E-11	6.697E-01	9.076E-04	4.011E-05	4.038E-02
1.800E+04	8.375E-02	1.034E-11	3.395E-07	1.946E-04	1.378E-11	6.305E-01	6.402E-04	4.367E-04	5.938E-02
1.900E+04	1.092E-01	6.780E-11	7.401E-06	5.616E-04	6.304E-12	5.933E-01	6.726E-04	4.955E-04	7.109E-02
2.000E+04	1.369E-01	2.172E-11	6.127E-06	4.285E-04	2.021E-12	5.501E-01	5.390E-04	5.258E-02	8.958E-02
2.100E+04	1.665E-01	9.625E-12	2.251E-06	3.705E-04	1.102E-12	5.142E-01	2.379E-04	5.320E-04	1.094E-01
2.200E+04	1.960E-01	6.136E-12	1.198E-06	2.123E-04	4.656E-05	4.707E-01	1.635E-04	5.219E-04	1.109E-01
2.300E+04	2.264E-01	1.734E-12	6.226E-06	1.467E-04	1.787E-04	4.271E-01	1.103E-04	4.947E-04	1.516E-01
2.400E+04	2.560E-01	7.345E-12	3.155E-05	9.688E-05	9.933E-05	3.846E-01	7.335E-05	6.547E-04	1.724E-01
2.500E+04	2.833E-01	2.815E-12	1.946E-05	8.737E-05	2.810E-04	3.463E-01	6.827E-05	6.078E-04	1.924E-01
2.600E+04	3.063E-01	1.104E-13	7.707E-10	6.106E-05	5.722E-15	3.070E-01	3.134E-05	7.579E-05	2.110E-01
2.700E+04	3.310E-01	6.289E-14	3.807E-10	2.661E-05	3.599E-15	2.730E-01	2.020E-05	3.065E-04	2.282E-01
2.800E+04	3.510E-01	1.636E-14	1.057E-10	1.707E-05	1.929E-15	2.674E-01	1.248E-05	2.623E-04	2.437E-01
2.900E+04	3.686E-01	3.666E-15	9.068E-11	1.058E-05	6.490E-16	2.157E-01	8.333E-06	2.207E-04	2.579E-01
3.000E+04	3.839E-01	2.545E-15	4.675E-11	7.037E-06	1.858E-16	1.921E-01	5.366E-06	1.044E-04	2.646E-01
3.100E+04	3.973E-01	1.019E-15	2.227E-11	5.944E-06	7.009E-17	1.715E-01	3.674E-06	1.533E-04	2.803E-01
3.200E+04	4.089E-01	6.110E-16	1.122E-11	2.953E-06	2.762E-17	1.535E-01	2.266E-06	1.272E-04	2.899E-01
3.300E+04	4.210E-01	1.704E-16	5.737E-12	1.946E-06	1.019E-17	1.390E-01	1.491E-06	1.056E-04	2.975E-01
3.400E+04	4.320E-01	7.304E-17	2.970E-12	1.277E-06	6.642E-18	1.244E-01	9.906E-07	6.703E-05	3.044E-01
3.500E+04	4.430E-01	3.111E-17	1.970E-12	8.494E-07	1.829E-18	1.124E-01	6.653E-07	7.245E-05	3.127E-01
3.600E+04	4.532E-01	1.373E-17	8.404E-13	5.696E-07	7.768E-19	1.024E-01	6.510E-07	6.052E-05	3.151E-01
3.700E+04	4.649E-01	4.186E-18	4.565E-13	3.870E-07	9.335E-19	9.335E-02	3.102E-07	5.055E-05	3.192E-01
3.800E+04	4.765E-01	6.555E-18	2.516E-13	2.610E-07	6.563E-19	8.543E-02	2.153E-07	4.237E-05	3.226E-01
3.900E+04	4.881E-01	1.331E-18	1.602E-13	1.700E-07	6.663E-20	7.805E-02	1.513E-07	3.563E-05	3.252E-01
4.000E+04	5.001E-01	6.473E-19	7.905E-16	1.227E-06	2.900E-20	7.225E-02	1.074E-07	3.008E-05	3.272E-01
4.100E+04	5.127E-01	3.064E-19	6.403E-16	8.472E-06	1.314E-20	6.875E-02	7.705E-08	2.340E-05	3.287E-01
4.200E+04	5.250E-01	1.306E-19	2.589E-16	9.055E-06	5.909E-21	6.132E-02	9.504E-08	2.166E-05	3.297E-01
4.300E+04	5.353E-01	7.304E-20	1.590E-16	6.053E-06	2.755E-21	5.702E-02	6.030E-08	1.846E-05	3.302E-01
4.400E+04	5.455E-01	6.802E-20	5.141E-16	1.950E-06	8.036E-22	6.037E-02	2.252E-08	1.302E-05	3.303E-01
4.500E+04	5.574E-01	9.809E-21	3.030E-16	1.354E-06	2.761E-22	6.635E-02	1.864E-08	1.175E-05	3.309E-01
4.600E+04	5.694E-01	5.124E-21	1.860E-15	6.068E-06	1.279E-22	6.368E-02	1.204E-08	1.018E-05	3.299E-01
4.700E+04	5.804E-01	2.700E-21	1.079E-15	4.544E-06	5.909E-23	4.399E-02	9.821E-09	8.853E-06	3.209E-01
4.800E+04	5.914E-01	1.626E-21	6.400E-16	6.558E-06	2.814E-23	3.854E-02	7.566E-09	7.720E-06	3.203E-01
4.900E+04	5.104E-01	1.626E-21	6.400E-16	6.558E-06	2.814E-23	3.854E-02	7.566E-09	7.720E-06	3.203E-01
5.000E+04	5.140E-01	7.669E-22	3.926E-16	3.174E-06	3.130E-23	3.627E-02	5.877E-09	6.771E-06	3.270E-01

F/PD = 3.331E-02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	3.	8.392E-01	1.168E-20	2.399E-35	2.103E-28	1.774E-22	1.230E-01	1.930E-10	6.932E-22
6.000E+02	0.	6.100E-01	3.330E-17	3.504E-29	3.694E-26	2.066E-01	5.195E-01	3.779E-08	9.247E-08
7.000E+02	0.	3.568E-01	7.070E-15	7.361E-25	5.763E-21	9.859E-16	6.824E-01	1.302E-08	6.667E-11
8.000E+02	0.	1.779E-01	3.036E-13	1.126E-21	7.075E-19	1.275E-12	6.164E-01	1.349E-07	6.933E-10
9.000E+02	0.	8.79E-02	6.652E-12	3.098E-19	3.021E-17	9.621E-12	6.857E-01	1.007E-09	1.590E-20
1.000E+03	0.	4.374E-02	6.652E-11	2.663E-17	5.191E-16	1.070E-11	7.172E-01	8.397E-10	2.630E-20
1.100E+03	0.	2.627E-02	3.030E-10	1.000E-15	5.071E-15	1.237E-09	7.310E-01	8.065E-10	6.034E-20
1.200E+03	0.	1.662E-02	1.760E-09	2.063E-14	3.381E-14	9.484E-09	7.705E-01	7.705E-09	3.270E-20

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.464E-08	7.004E-04	2.185E-01	2.591E-09	8.697E-11	2.209E-11	0.	0.	0.	4.900E+03
2.177E-08	8.838E-04	2.153E-01	3.845E-09	1.557E-10	3.933E-11	0.	0.	0.	5.000E+03
4.547E-08	1.368E-03	2.086E-01	8.101E-09	4.680E-10	1.16CE-10	0.	0.	0.	5.200E+03
8.866E-08	2.046E-03	2.016E-01	1.618E-08	1.301E-09	3.136E-10	0.	0.	0.	5.400E+03
1.624E-07	2.971E-03	1.964E-01	3.085E-08	3.376E-09	7.830E-10	0.	0.	0.	5.600E+03
2.813E-07	4.198E-03	1.472E-01	5.638E-08	8.231E-09	1.827E-09	0.	0.	0.	5.800E+03
4.632E-07	5.792E-03	1.801E-01	9.924E-08	1.658E-08	3.958E-09	0.	0.	0.	6.000E+03
7.290E-07	7.821E-03	1.731E-01	1.689E-07	4.163E-08	8.270E-09	3.668E-26	0.	0.	6.200E+03
1.102E-06	1.036E-02	1.664E-01	2.786E-07	8.720E-08	1.626E-08	2.937E-25	0.	0.	6.400E+03
1.605E-06	1.368E-02	1.599E-01	4.469E-07	1.752E-07	3.059E-08	2.087E-24	0.	0.	6.600E+03
2.265E-06	1.727E-02	1.535E-01	6.981E-07	3.385E-07	5.504E-08	1.328E-23	0.	0.	6.800E+03
3.106E-06	2.178E-02	1.473E-01	1.064E-06	6.311E-07	9.568E-08	7.643E-23	0.	0.	7.000E+03
4.152E-06	2.710E-02	1.412E-01	1.582E-06	1.138E-06	1.600E-17	4.003E-22	0.	0.	7.200E+03
5.428E-06	3.327E-02	1.350E-01	2.300E-06	1.987E-06	2.597E-07	1.921E-21	0.	0.	7.400E+03
6.957E-06	4.033E-02	1.286E-01	3.267E-06	3.368E-06	4.091E-07	8.499E-21	0.	0.	7.600E+03
8.761E-06	4.829E-02	1.222E-01	4.541E-06	5.546E-06	6.271E-07	3.483E-20	0.	0.	7.800E+03
1.086E-05	5.714E-02	1.155E-01	6.173E-06	8.896E-06	9.366E-07	1.329E-19	0.	0.	8.000E+03
1.327E-05	6.683E-02	1.086E-01	8.213E-06	1.390E-05	1.365E-06	4.741E-19	0.	0.	8.200E+03
1.602E-05	7.729E-02	1.015E-01	1.046E-05	2.119E-05	1.944E-06	1.587E-18	0.	0.	8.400E+03
1.912E-05	8.856E-02	9.424E-02	1.364E-05	3.155E-05	2.709E-16	5.007E-18	0.	0.	8.600E+03
2.254E-05	1.000E-01	8.683E-02	1.702E-05	4.592E-05	3.697E-06	1.493E-17	0.	0.	8.800E+03
2.641E-05	1.115E-01	7.937E-02	2.042E-05	6.561E-05	4.944E-06	4.222E-17	0.	0.	9.000E+03
3.066E-05	1.240E-01	7.196E-02	2.496E-05	9.125E-05	6.486E-06	1.136E-16	0.	0.	9.200E+03
3.527E-05	1.360E-01	6.469E-02	2.935E-05	1.248E-04	8.355E-06	2.914E-16	0.	0.	9.400E+03
4.030E-05	1.476E-01	5.767E-02	3.386E-05	1.676E-04	1.058E-05	7.151E-16	0.	0.	9.600E+03
4.575E-05	1.580E-01	5.099E-02	3.837E-05	2.210E-04	1.317E-05	1.683E-15	0.	0.	9.800E+03
5.163E-05	1.694E-01	4.473E-02	4.275E-05	2.867E-04	1.61CE-05	3.610E-15	0.	0.	1.000E+04
6.742E-05	2.090E-01	2.122E-02	5.945E-05	8.520E-04	3.667E-05	1.362E-13	0.	0.	1.100E+04
1.335E-04	2.240E-01	9.416E-03	6.558E-05	1.951E-03	6.438E-05	2.518E-12	0.	0.	1.200E+04
1.681E-04	2.343E-01	4.270E-03	6.489E-05	3.787E-03	9.745E-05	2.095E-11	0.	0.	1.300E+04
2.476E-04	2.330E-01	2.048E-03	6.113E-05	6.588E-03	1.332E-04	2.334E-10	0.	0.	1.400E+04
3.075E-04	2.291E-01	1.040E-03	5.602E-05	1.046E-02	1.686E-04	1.427E-09	5.599E-23	0.	1.500E+04
3.626E-04	2.214E-01	5.547E-04	5.024E-05	1.564E-02	2.005E-04	6.981E-09	2.154E-21	0.	1.600E+04
4.076E-04	2.111E-01	3.065E-04	4.413E-05	2.207E-02	2.257E-04	2.846E-08	5.519E-20	0.	1.700E+04
4.383E-04	1.984E-01	1.735E-04	3.795E-05	2.968E-02	2.967E-05	2.616E-04	9.966E-08	1.003E-18	0.
4.515E-04	1.838E-01	9.956E-05	3.179E-05	3.826E-02	2.470E-04	3.069E-07	1.372E-17	0.	1.800E+04
4.675E-04	1.678E-01	5.746E-05	2.601E-05	4.749E-02	2.411E-04	8.474E-07	1.675E-16	0.	2.000E+04
4.688E-04	1.510E-01	3.315E-05	2.077E-05	5.700E-02	2.274E-04	2.130E-06	1.290E-15	0.	2.100E+04
3.930E-04	1.341E-01	1.905E-05	1.619E-05	6.640E-02	2.063E-04	4.936E-06	9.459E-15	0.	2.200E+04
3.507E-04	1.177E-01	1.089E-05	1.234E-05	7.534E-02	1.812E-04	1.066E-05	5.950E-14	0.	2.300E+04
3.044E-04	1.023E-01	6.190E-06	9.238E-06	8.354E-02	1.548E-04	2.165E-05	3.274E-13	0.	2.400E+04
2.581E-04	6.823E-02	3.507E-06	6.809E-06	9.08F-02	1.292E-04	4.166E-05	1.600E-12	0.	2.500E+04
2.148E-04	7.566E-02	1.986E-06	4.962E-06	9.712E-02	1.059E-04	7.643E-05	7.046E-12	0.	2.600E+04
1.763E-04	6.446E-02	1.126E-06	3.589E-06	1.024E-01	0.562E-05	1.344E-04	2.024E-11	0.	2.700E+04
1.433E-04	5.523E-02	6.423E-07	2.586E-06	1.068E-01	6.858E-05	2.277E-04	1.040E-10	0.	2.800E+04
1.159E-04	4.710E-02	3.691E-07	1.861E-06	1.103E-01	5.461E-05	3.730E-04	3.546E-10	0.	2.900E+04
9.362E-05	4.037E-02	2.141E-07	1.341E-06	1.130E-01	4.337E-05	5.925E-04	1.127E-05	0.	3.000E+04
7.577E-05	3.646E-02	1.256E-07	9.498E-07	1.151E-01	3.442E-05	9.152E-04	3.257E-09	0.	3.100E+04
6.162E-05	2.980E-02	7.455E-08	7.038E-07	1.168E-01	2.737E-03	1.378E-03	9.418E-09	0.	3.200E+04
5.046E-05	2.572E-02	4.647E-08	5.130E-07	1.175E-01	2.178E-05	2.024E-03	2.494E-08	0.	3.300E+04
4.168E-05	2.225E-02	2.711E-08	3.733E-07	1.178E-01	1.746E-05	2.906E-03	6.288E-08	0.	3.400E+04
3.476E-05	1.930E-02	1.667E-08	2.755E-07	1.176E-01	1.393E-05	4.003E-03	1.505E-07	0.	3.500E+04
2.930E-05	1.676E-02	1.031E-08	2.026E-07	1.168E-01	1.119E-05	5.615E-03	3.439E-07	8.276E-15	3.600E+04
2.496E-05	1.457E-02	6.424E-09	1.490E-07	1.154E-01	9.005E-06	5.563E-03	7.511E-07	3.668E-14	3.700E+04
2.150E-05	1.266E-02	4.022E-09	1.095E-07	1.134E-01	7.259E-06	9.982E-03	1.571E-06	1.503E-13	3.800E+04
1.871E-05	1.098E-02	2.525E-09	8.025E-08	1.107E-01	5.857E-06	1.291E-02	3.153E-06	5.714E-13	3.900E+04
1.644E-05	9.512E-03	1.507E-06	5.053E-08	1.073E-01	4.725E-06	1.637E-02	6.081E-06	2.224E-12	4.000E+04
1.459E-05	8.212E-03	9.964E-10	4.242E-08	1.033E-01	3.809E-06	2.035E-02	1.129E-05	6.705E-12	4.100E+04
1.305E-05	7.082E-03	6.240E-10	3.052E-08	9.862E-02	3.065E-06	2.481E-02	2.019E-05	2.084E-11	4.200E+04
1.177E-05	6.066E-03	3.893E-10	2.177E-08	9.356E-02	2.461E-06	2.968E-02	3.487E-05	6.100F-11	4.300E+04
1.049E-05	5.152E-03	2.417E-10	1.538E-08	8.787E-02	1.970E-06	3.648E-02	5.823E-05	1.687E-10	4.400E+04
9.762E-06	4.368E-03	1.493E-10	1.017E-08	8.198E-02	1.572E-06	4.027E-02	9.424E-05	4.425E-10	4.500E+04
8.964E-06	3.084E-03	9.169E-11	7.474E-09	7.595E-02	1.250E-06	4.576E-02	1.480E-04	1.104E-09	4.600E+04
8.269E-06	3.093E-03	5.603E-11	5.142E-09	6.988E-02	9.911E-07	5.12CE-02	2.262E-04	2.631E-09	4.700E+04
7.657E-06	2.505E-03	3.048E-11	3.51CE-09	6.590E-02	7.832E-07	5.646E-02	3.369E-04	6.001E-09	4.800E+04
7.115E-06	2.152E-03	2.065E-11	2.308E-09	5.812E-02	6.173E-07	6.152E-02	4.899E-04	1.315E-08	4.900E+04
6.630E-06	1.786E-03	1.248E-11	1.605E-09	5.261E-02	4.853E-07	6.622E-02	6.986E-04	2.776E-08	5.000E+04

P/PC = 1.20E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	4.021E-02	7.436E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.731E-02	1.166E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.608E-01	1.485E-20	0.	0.	0.	0.	0.	7.00E+02
0.	4.545E-30	2.055E-01	1.744E-20	0.	0.	0.	0.	0.	8.00CE+02
0.	1.370E-26	2.206E-01	2.005E-20	0.	0.	0.	0.	0.	9.000E+02
0.	6.130E-24	2.391E-01	2.282E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.300E-21	2.439E-01	2.542E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.169E-19	2.463E-01	2.767E-20	0.	0.	0.	0.	0.	1.200E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	NZH2	H	H2	H2+	H+
1.300E+03	0.	9.451E-03	6.103E-09	2.611E-13	1.675E-13	9.329E-08	7.429E-01	7.514E-19	7.828E-20
1.400E+03	0.	6.08E-03	1.704E-08	2.310E-12	6.611E-13	2.366E-07	7.451E-01	7.253E-19	1.009E-19
1.500E+03	1.327E-34	4.681E-03	4.910E-08	1.534E-11	2.175E-12	8.495E-07	7.445E-01	6.984E-19	1.251E-19
1.600E+03	2.867E-31	3.520E-03	1.015E-07	8.037E-11	6.182E-12	2.625E-06	7.474E-01	6.720E-19	1.501E-19
1.700E+03	2.553E-28	2.740E-03	2.074E-07	3.400E-10	1.537E-11	7.116E-06	7.479E-01	6.450E-19	1.753E-19
1.800E+03	1.085E-25	2.196E-03	3.914E-07	1.246E-09	3.548E-11	7.729E-05	7.483E-01	6.202E-19	2.003E-19
1.900E+03	2.449E-23	1.803E-03	6.909E-07	6.044E-09	7.430E-11	3.033E-05	7.484E-01	5.956E-19	2.247E-19
2.000E+03	3.291E-21	1.513E-03	1.152E-06	1.150E-08	1.446E-10	7.055E-05	7.488E-01	5.764E-19	2.491E-19
2.100E+03	2.219E-19	1.292E-03	1.830E-06	2.960E-08	2.653E-10	1.505E-04	7.489E-01	6.945E-19	3.417E-19
2.200E+03	3.273E-18	1.121E-03	2.708E-06	6.992E-08	4.066E-10	2.720E-04	7.490E-01	2.500E-18	1.429E-18
2.300E+03	2.290E-17	9.450E-04	6.090E-06	1.533E-07	7.640E-10	6.673E-04	7.488E-01	1.445E-17	0.852E-18
2.400E+03	1.270E-16	8.760E-04	5.814E-06	3.147E-07	1.216E-09	7.680E-04	7.487E-01	7.538E-17	5.000E-17
2.500E+03	6.308E-16	7.669E-04	8.034E-06	6.101E-07	1.867E-09	1.213E-03	7.488E-01	3.490E-16	2.566E-16
2.600E+03	2.590E-15	7.131E-04	1.083E-05	1.124E-06	2.776E-09	1.852E-03	7.477E-01	1.441E-15	1.150E-15
2.700E+03	9.131E-15	6.512E-04	1.426E-05	1.974E-06	4.010E-09	2.760E-03	7.471E-01	5.371E-15	6.610E-15
2.800E+03	3.654E-14	5.985E-04	1.642E-05	3.344E-05	5.645E-09	3.942E-03	7.461E-01	1.825E-14	1.602E-14
2.900E+03	1.106E-13	5.532E-04	2.335E-05	5.451E-06	7.763E-09	5.532E-03	7.467E-01	5.708E-14	5.614E-14
3.000E+03	3.262E-13	5.130E-04	2.911E-05	8.596E-06	1.045E-08	7.591E-03	7.430E-01	1.657E-13	1.731E-13
3.100E+03	9.091E-13	4.700E-04	3.575E-05	1.316E-05	1.380E-08	1.020E-02	7.467E-01	4.499E-13	4.970F-13
3.200E+03	2.366E-12	4.482E-04	4.329E-05	1.946E-05	1.789E-08	1.346E-02	7.378E-01	1.474E-12	1.337E-12
3.300E+03	6.515E-12	4.204E-04	5.174E-05	2.648E-05	2.282E-08	1.766E-02	7.344E-01	2.767E-12	3.393E-12
3.400E+03	1.357E-11	3.951E-04	6.111E-05	4.046E-05	2.845E-08	2.229E-02	7.301E-01	6.340E-12	8.150E-12
3.500E+03	3.010E-11	3.720E-04	7.135E-05	5.628E-05	3.545E-08	2.800E-02	7.251E-01	1.386E-11	1.867E-11
3.600E+03	6.420E-11	3.505E-04	8.262E-05	4.246E-05	4.329E-08	3.681E-02	7.192E-01	2.902E-11	4.083E-11
3.700E+03	1.315E-10	3.304E-04	9.426E-05	1.029E-04	5.216E-08	4.269E-02	7.123E-01	5.838E-11	8.565E-11
3.800E+03	2.590E-10	3.114E-04	1.086E-04	1.358E-04	6.209E-08	5.173E-02	7.044E-01	1.132E-10	1.729E-10
3.900E+03	6.931E-10	2.934E-04	1.198E-04	1.759E-04	7.306E-08	6.202E-02	6.953E-01	2.119E-10	3.367E-10
4.000E+03	9.093E-10	2.761E-04	1.333E-04	2.249E-04	8.501E-08	7.30E-02	6.852E-01	3.042E-10	6.364E-10
4.100E+03	1.620E-09	2.596E-04	1.471E-04	2.837E-04	9.780E-08	8.651E-02	6.730E-01	6.762E-10	1.159E-09
4.200E+03	8.184E-09	2.437E-04	1.609E-04	3.532E-04	1.115E-07	1.008E-01	6.613E-01	1.157E-09	2.050E-09
4.300E+03	4.808E-09	2.282E-04	1.767E-04	4.345E-04	1.250E-07	1.164E-01	6.476E-01	1.924E-09	3.558E-09
4.400E+03	7.166E-09	2.133E-04	1.882E-04	5.284E-04	1.405E-07	1.333E-01	6.327E-01	3.134E-09	5.999E-09
4.500E+03	1.290E-08	1.988E-04	2.012E-04	6.356E-04	1.555E-07	1.516E-01	6.167E-01	4.977E-09	9.078E-09
4.600E+03	2.046E-08	1.948E-04	2.136E-04	7.567E-04	1.706E-07	1.711E-01	5.995E-01	7.731E-09	1.591E-08
4.700E+03	3.180E-08	1.713E-04	2.252E-04	8.922E-04	1.855E-07	1.917E-01	5.814E-01	1.176E-08	2.511E-08
4.800E+03	6.852E-08	1.702E-04	2.359E-04	1.042E-03	2.000E-07	2.139E-01	5.622E-01	1.754E-08	3.886E-08
4.900E+03	7.274E-08	1.657E-04	2.452E-04	1.207E-03	2.139E-07	2.362E-01	5.422E-01	2.567E-08	5.902E-08
5.000E+03	1.073E-07	1.333E-04	2.534E-04	1.385E-03	2.246E-07	2.597E-01	5.215E-01	3.692E-08	8.012E-08
5.200E+03	2.227E-07	1.113E-04	2.656E-04	1.703E-03	2.495E-07	3.086E-01	4.704E-01	7.259E-08	1.872E-07
5.400E+03	4.372E-07	9.132E-05	2.716E-04	2.229E-03	2.666E-07	3.509E-01	4.339E-01	1.342E-07	1.747E-07
5.600E+03	8.162E-07	7.385E-05	2.718E-04	2.716E-03	2.775E-07	4.093E-01	3.892E-01	2.366E-07	7.113E-07
5.800E+03	1.457E-06	5.890E-05	2.666E-04	3.227E-03	2.819E-07	4.586E-01	3.434E-01	3.899E-07	1.288E-06
6.000E+03	2.496E-06	4.638E-05	2.597E-04	3.756E-03	2.803E-07	5.054E-01	3.036E-01	6.107E-07	2.232E-06
6.200E+03	6.122E-06	3.611E-05	2.532E-04	4.209E-03	2.734E-07	5.490E-01	2.649E-01	9.415E-07	3.719E-06
6.400E+03	6.567E-06	2.785E-05	2.271E-04	4.816E-03	2.622E-07	5.805E-01	2.207E-01	1.700E-06	5.901E-06
6.600E+03	1.022E-05	2.132E-05	2.095E-04	5.327E-03	2.479E-07	6.237E-01	1.965E-01	1.955E-06	9.313E-06
6.800E+03	1.542E-05	1.623E-05	1.913E-04	5.615E-03	2.313E-07	6.543E-01	1.681E-01	2.608E-06	1.008E-05
7.000E+03	2.272E-05	1.231E-05	1.732E-04	6.272E-03	2.133E-07	6.805E-01	1.433E-01	5.596E-06	2.074E-05
7.200E+03	3.273E-05	9.312E-06	1.556E-04	6.693E-03	1.952E-07	7.025E-01	1.220E-01	4.696E-06	2.981E-05
7.400E+03	6.623E-05	7.039E-06	1.390E-04	7.075E-03	1.770E-07	7.205E-01	1.037E-01	6.003E-06	4.190E-05
7.600E+03	6.412E-05	5.321E-06	1.236E-04	7.412E-03	1.592E-07	7.351E-01	8.017E-02	7.527E-06	5.773E-05
7.800E+03	8.766E-05	4.026E-06	1.099E-04	7.792E-03	1.422E-07	7.466E-01	7.505E-02	9.278E-06	7.809E-05
8.000E+03	1.175E-04	3.050E-06	9.648E-05	7.941E-03	1.246E-07	7.553E-01	6.400E-02	1.126E-05	1.039E-04
8.200E+03	1.557E-04	2.315E-06	8.000E-05	8.127E-03	1.109E-07	7.617E-01	5.469E-02	1.344E-05	1.364E-04
8.400E+03	2.037E-04	1.760E-06	6.431E-05	8.258E-03	9.896E-08	7.661E-01	4.687E-02	1.599E-05	1.754E-04
8.600E+03	3.633E-04	1.391E-06	6.493E-05	8.332E-03	8.613E-08	7.788E-01	4.042E-02	1.865E-05	2.297E-04
8.800E+03	3.366E-04	1.024E-06	5.658E-05	8.351E-03	7.247E-08	7.701E-01	3.474E-02	2.161E-05	2.816E-04
9.000E+03	6.259E-04	7.838E-05	4.918E-05	8.316E-03	6.197E-08	7.703E-01	3.006E-02	2.481E-05	3.506E-04
9.200E+03	5.338E-04	6.011E-05	4.265E-05	8.225E-03	5.260E-08	7.696E-01	2.611E-02	2.826E-05	4.322E-04
9.400E+03	6.629E-04	4.621E-05	3.690E-05	8.087E-03	4.433E-08	7.681E-01	2.277E-02	3.190E-05	5.279E-04
9.600E+03	8.163E-04	3.505E-05	3.186E-05	7.905E-03	3.710E-08	7.662E-01	1.994E-02	3.596E-05	6.393E-04
9.800E+03	9.971E-04	2.751E-05	2.747E-05	7.484E-03	3.084E-08	7.640E-01	1.793E-02	4.023E-05	7.683E-04
1.000E+04	1.209E-03	2.132E-05	2.336E-05	7.431E-03	2.549E-08	7.616E-01	1.548E-02	4.480E-05	9.167E-04
1.020E+04	2.857E-03	6.281E-06	1.113E-05	5.925E-03	9.239E-09	7.549E-01	8.838E-03	7.276E-03	2.039E-03
1.040E+04	5.889E-03	5.058E-06	5.936E-06	4.403E-03	3.260E-09	7.408E-01	5.524E-03	1.107E-04	4.012E-03
1.060E+04	1.061E-02	5.753E-05	2.717E-06	3.365E-03	1.203E-09	7.323E-01	3.044E-03	1.591E-04	7.200E-03
1.080E+04	1.622E-02	1.228E-05	2.062E-05	3.343E-03	4.742E-10	7.216E-01	2.506E-03	2.171E-04	1.203E-02
1.100E+04	2.880E-02	1.303E-05	1.948E-05	6.018E-03	1.980E-10	7.070E-01	1.831E-03	2.821E-04	1.379E-02
1.120E+04	6.277E-02	9.903E-10	4.558E-07	1.606E-03	8.609E-11	6.876E-01	1.334E-03	3.903E-04	2.778E-02
1.140E+04	2.760E-02	9.397E-13	3.859E-09	1.081E-04	9.198E-14	3.925E-01	9.732E-05	4.185E-04	3.917E-02
1.160E+04	6.164E-02	1.284E-10	1.511E-07	8.578E-04	1.713E-11	6.338E-01	7.116E-04	4.753E-04	5.297E-02
1.180E+04	1.900E-02	1.598E-11	8.621E-06	3.838E-04	7.611E-12	5.995E-01	5.152E-04	5.213E-04	6.909E-02
1.200E+04	3.024E-02	1.500E-13	9.662E-10	4.680E-05	1.331E-14	3.192E-01	3.525E-05	3.438E-04	2.766E-01
1.220E+04	6.256E-02	5.903E-14	4.770F-10	3.035E-05	4.988E-15	2.812E-01	2.286E-05	3.327E-04	2.240E-01
1.240E+04	3.458E-02	2.316E-14	2.360E-10	1.959E-05	1.866E-15	2.566E-01	1.677E-05	2.841E-04	2.395E-01
1.260E+04	6.616E-02	9.119E-15	1.158E-10	1.249E-05	4.349E-01	1.720E-04	9.233E-06	1.479E-01	2.657E-01
1.280E+04									

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	+651E-18	2.476E-01	2.950E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.095E-16	2.484E-01	3.090E-20	0.867E-32	0.	0.	0.	0.	1.400E+03
0.	1.696E-15	2.488E-01	3.189E-20	7.492E-31	0.	0.	0.	0.	1.500E+03
4.019E-34	1.867E-14	2.491E-01	3.253E-20	5.311E-30	0.	0.	0.	0.	1.600E+03
6.061E-31	1.552E-13	2.493E-01	3.286E-20	2.039E-29	0.	0.	0.	0.	1.700E+03
4.087E-28	1.021E-12	2.496E-01	3.296E-20	1.253E-28	0.	0.	0.	0.	1.800E+03
1.398E-25	5.510E-12	2.495E-01	3.286E-20	4.708E-28	0.	0.	0.	0.	1.900E+03
2.675E-23	2.516E-11	2.496E-01	3.276E-20	1.549E-27	0.	0.	0.	0.	2.000E+03
2.488E-21	9.947E-11	2.497E-01	4.076E-20	5.684E-27	4.920E-29	0.	0.	0.	2.100E+03
4.846E-20	3.473E-10	2.497E-01	1.559E-19	5.812E-26	2.349E-27	0.	0.	0.	2.200E+03
4.437E-19	1.089E-09	2.497E-01	8.905E-19	8.146E-25	4.780E-26	0.	0.	0.	2.300E+03
3.107E-18	3.103E-09	2.497E-01	4.743E-18	9.880E-24	7.026E-25	0.	0.	0.	2.400E+03
1.840E-17	8.139E-09	2.496E-01	2.238E-17	9.940E-23	8.231E-24	0.	0.	0.	2.500E+03
9.476E-17	1.983E-08	2.496E-01	9.407E-17	8.404E-22	7.959E-23	0.	0.	0.	2.600E+03
4.316E-16	4.525E-08	2.495E-01	3.565E-16	6.079E-21	6.494E-22	0.	0.	0.	2.700E+03
1.762E-15	9.736E-08	2.493E-01	1.230E-15	3.824E-20	4.556E-21	0.	0.	0.	2.800E+03
6.518E-15	1.987E-07	2.492E-01	3.922E-15	2.123E-19	2.791E-20	0.	0.	0.	2.900E+03
2.207E-14	3.870E-07	2.489E-01	1.149E-14	1.053E-18	1.514E-19	0.	0.	0.	3.000E+03
6.897E-14	7.218E-07	2.486E-01	3.160E-14	4.716E-18	7.351E-19	0.	0.	0.	3.100E+03
2.006E-13	1.295E-06	2.482E-01	8.171E-14	1.926E-17	3.230E-18	0.	0.	0.	3.200E+03
5.449E-13	2.243E-06	2.477E-01	1.998E-13	7.236E-17	1.296E-17	0.	0.	0.	3.300E+03
1.395E-12	3.761E-06	2.471E-01	4.642E-13	2.510E-16	4.783E-17	0.	0.	0.	3.400E+03
3.376E-12	6.122E-06	2.465E-01	1.029E-12	8.160E-16	3.463E-16	0.	0.	0.	3.500E+03
7.765E-12	6.998E-06	2.455E-01	2.186E-12	2.485E-15	5.221E-16	0.	0.	0.	3.600E+03
1.704E-11	1.498E-05	2.445E-01	4.462E-12	7.129E-15	1.562E-15	0.	0.	0.	3.700E+03
3.579E-11	2.262E-05	2.433E-01	8.746E-12	1.937E-14	4.406E-15	0.	0.	0.	3.800E+03
7.220E-11	3.346E-05	2.420E-01	1.672E-11	5.005E-14	1.176E-14	0.	0.	0.	3.900E+03
1.403E-10	6.846E-05	2.405E-01	3.046E-11	1.235E-13	.984E-14	0.	0.	0.	4.000E+03
2.632E-10	6.891E-05	2.389E-01	5.526E-11	2.917E-13	7.224E-14	0.	0.	0.	4.100E+03
4.780E-10	9.636E-05	2.370E-01	9.637E-11	6.622E-13	1.674E-13	0.	0.	0.	4.200E+03
8.419E-10	1.326E-04	2.350E-01	6.165E-10	1.449E-12	3.723E-13	0.	0.	0.	4.300E+03
1.441E-09	1.798E-04	2.328E-01	2.723E-10	3.061E-12	7.969E-13	0.	0.	0.	4.400E+03
2.441E-09	2.404E-04	2.305E-01	4.426E-10	6.261E-12	1.646E-12	0.	0.	0.	4.500E+03
3.909E-09	3.173E-04	2.279E-01	7.06E-10	1.243E-11	3.289E-12	0.	0.	0.	4.600E+03
6.188E-09	4.136E-04	2.252E-01	1.100E-09	2.398E-11	6.368E-12	0.	0.	0.	4.700E+03
4.553E-09	5.330E-04	2.223E-01	1.688E-09	5.505E-11	1.197E-11	0.	0.	0.	4.800E+03
1.456E-08	6.794E-04	2.193E-01	2.554E-09	8.257E-11	2.189E-11	0.	0.	0.	4.900E+03
2.167E-08	8.574E-04	2.162E-01	3.777E-09	1.478E-10	3.900E-11	0.	0.	0.	5.000E+03
4.534E-08	1.328E-03	2.096E-01	7.961E-09	4.463E-10	1.511E-10	0.	0.	0.	5.200E+03
8.858E-06	1.987E-03	2.027E-01	1.591E-08	1.235E-09	3.115E-10	0.	0.	0.	5.400E+03
1.626E-07	2.885E-03	1.956E-01	3.032E-08	3.203E-09	7.791E-10	0.	0.	0.	5.600E+03
2.823E-07	4.378E-03	1.884E-01	5.940E-08	7.807E-09	1.817E-09	0.	0.	0.	5.800E+03
4.61E-07	5.627E-03	1.813E-01	9.750E-08	1.800E-08	3.981E-09	0.	0.	0.	6.000E+03
7.353E-07	7.600E-03	1.747E-01	1.658E-07	3.944E-08	8.242E-09	3.388E	0.	0.	6.200E+03
1.114E-07	1.077E-02	1.676E-01	3.735E-07	8.237E-08	1.622E-08	2.710E-12	0.	0.	6.400E+03
1.627E-06	1.310E-02	1.611E-01	4.385E-07	1.658E-07	3.049E-08	1.923E-24	0.	0.	6.600E+03
2.300E-06	1.678E-02	1.547E-01	8.847E-07	2.020E-07	5.497E-08	1.223E-23	0.	0.	6.800E+03
3.161E-06	2.117E-02	1.485E-01	1.043E-06	5.967E-07	9.542E-08	7.492E-23	0.	0.	7.000E+03
4.234E-06	2.634E-02	1.423E-01	1.551E-06	1.075E-06	1.620E-07	3.678E-22	0.	0.	7.200E+03
5.544E-06	3.235E-02	1.361E-01	2.254E-06	1.877E-06	2.398E-07	1.764E-21	0.	0.	7.400E+03
7.116E-06	3.922E-02	1.298E-01	3.203E-06	3.182E-06	4.096E-07	7.081E-21	0.	0.	7.600E+03
8.972E-06	4.698E-02	1.234E-01	4.453E-06	5.243E-06	6.283E-07	3.197E-20	0.	0.	7.800E+03
1.113E-05	5.562E-02	1.168E-01	6.056E-06	8.404E-06	9.391E-07	1.220E-19	0.	0.	8.000E+03
1.4362E-05	6.510E-02	1.099E-01	6.08E-06	3.134E-05	1.370E-05	4.352E-19	0.	0.	8.200E+03
1.6445E-05	7.534E-02	1.029E-01	1.052E-05	2.005E-05	1.953E-06	1.458E-18	0.	0.	8.400E+03
1.965E-05	8.625E-02	9.507E-02	1.343E-05	2.987E-05	2.724E-06	4.601E-18	0.	0.	8.600E+03
2.322E-05	9.717E-02	8.633E-02	1.680E-05	4.352E-05	3.720E-06	1.373E-17	0.	0.	8.800E+03
2.718E-05	1.094E-01	8.092E-02	2.604E-05	6.204E-05	4.981E-06	3.886E-17	0.	0.	9.000E+03
3.155E-05	1.214E-01	7.354E-02	4.745E-05	9.666E-05	6.544E-06	1.046E-16	0.	0.	9.200E+03
3.632E-05	1.333E-01	6.629E-02	9.181E-05	1.187E-04	8.441E-06	2.688E-16	0.	0.	9.400E+03
4.152E-05	1.449E-01	5.926E-02	3.375E-05	1.596E-04	1.070E-05	6.605E-16	0.	0.	9.600E+03
4.715E-05	1.561E-01	5.255E-02	3.836E-05	2.107E-04	1.334E-05	1.557E-15	0.	0.	9.800E+03
5.322E-05	1.667E-01	4.623E-02	4.286E-05	2.737E-04	1.638E-05	3.528E-15	0.	0.	1.000E+04
6.019E-05	2.072E-01	2.224E-02	6.040E-05	1.876E-04	3.729E-05	1.270E-13	0.	0.	1.100E+04
1.379E-04	2.271E-01	9.960E-03	6.721E-05	1.883E-03	6.617E-05	2.354E-12	0.	0.	1.200E+04
1.943E-04	2.339E-01	6.541E-03	6.638E-05	3.662E-03	1.005E-04	2.711E-11	0.	0.	1.300E+04
2.565E-04	2.333E-01	6.185E-03	6.314E-05	6.360E-03	1.376E-04	2.108E-10	7.987E-25	0.	1.400E+04
3.183E-04	2.295E-01	1.113E-03	5.800E-05	1.016E-02	1.746E-04	1.338E-09	5.081E-23	0.	1.500E+04
3.759E-04	2.221E-01	5.933E-04	9.214E-05	1.517E-02	2.189E-04	6.349E-09	1.937E-21	0.	1.600E+04
4.234E-04	2.121E-01	3.301E-04	4.552E-05	1.433E-02	2.347E-04	2.671E-08	5.001E-20	0.	1.700E+04
4.564E-04	1.997E-01	1.474E-04	3.957E-05	2.884E-02	1.660E-04	2.038E-05	2.951E-13	0.	1.800E+04
4.718E-04	1.059E-01	1.082E-04	3.332E-05	3.725E-02	2.595E-04	2.882E-07	1.243E-17	0.	1.900E+04
4.688E-04	1.698E-01	6.280E-05	2.739E-05	4.631E-02	2.341E-04	7.960E-07	1.334E-16	0.	2.000E+04
4.488E-04	1.934E-01	3.647E-05	2.198E-05	5.569E-02	2.401E-04	2.002E-06	1.167E-15	0.	2.100E+04
4.151E-04	1.367E-01	2.110E-05	1.722E-05	6.500E-02	2.189E-04	4.642E-06	8.15E-15	0.	2.200E+04
3.720E-04	1.204E-01	1.215E-05	1.321E-05	7.391E-02	1.933E-04	1.003E-05	5.369E-14	0.	2.300E+04
3.244E-04	1.051E-01	6.961E-06	9.947E-06	8.213E-02	1.660E-04	2.038E-05	2.951E-13	0.	2.400E+04
2.776E-04	9.093E-02	3.975E-06	7.375E-06	9.948E-02	1.393E-04	3.923E-05	1.441E-12	0.	2.500E+04
3.311E-04	7.827E-02	2.268E-06	5.405E-06	9.508E-02	1.160E-04	7.201E-05	6.336E-12	0.	2.600E+04
1.909E-04	6.714E-04	2.295E-06	3.930E-06	1.013E-01	9.327E-05	1.267E-04	2.536E-11	0.	2.700E+04
1.556E-04	9.751E-02	7.429E-07	2.846E-06	1.058E-01	7.905E-05	2.147E-04	9.330E-11	0.	2.800E+04
1.262E-04	4.927E-02	4.296E-07	2.057E-06	1.095E-01	6.003E-05	3.317E-04	3.178E-10	0.	2.900E+04
1.024E-04	4.228E-02	2.504E-07	1.489E-06	1.123E-01	6.785E-05	5.588E-04	1.009E-09	0.	3.000E+04
8.319E-05	3.635E-02	1.476E-07	1.008E-06	1.146E-01	3.811E-05	6.634E-04	3.002E-06	0.	3.100E+04
6.787E-05	3.135E-02	8.795E-08	7.886E-07	1.162E-01	3.038E-05	1.300E-03	8.115E-09	0.	3.200E+04
9.973E-05	2.710E-02	9.305E-08	9.752E-07	1.172E-01	2.427E-05	9.10E-03	2.320E-08	0.	3.300E+04
6.614E-05	2.350E-02	3.233E-08	4.221E-07	1.177E-01	1.943E-05	3.611E-03	3.611E-08	0.	3.400E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.324E-01	4.604E-17	2.077E-12	1.005E-06	2.748E-18	1.171E-01	7.800E-07	8.048E-05	3.073E-01
3.600E+04	4.409E-01	2.044E-17	1.117E-12	6.764E-07	1.167E-18	1.075E-01	5.311E-07	6.719E-05	3.124E-01
3.700E+04	4.467E-01	9.259E-18	6.094E-13	4.584E-07	5.050E-19	9.613E-02	3.656E-07	5.624E-05	3.167E-01
3.800E+04	4.530E-01	4.270E-18	3.370E-13	3.127E-07	2.220E-19	8.990E-02	2.549E-07	4.722E-05	3.203E-01
3.900E+04	4.589E-01	2.013E-18	1.887E-13	2.144E-07	9.901E-20	6.264E-02	1.791E-07	3.970E-05	3.231E-01
4.000E+04	4.646E-01	9.639E-19	1.068E-13	1.477E-07	4.470E-20	7.618E-02	1.279E-07	3.363E-05	3.255E-01
4.100E+04	4.701E-01	4.688E-19	6.113E-14	1.022E-07	2.038E-20	7.043E-02	9.151E-08	2.853E-05	3.270E-01
4.200E+04	4.754E-01	2.313E-19	3.529E-14	7.085E-08	9.389E-21	6.529E-02	6.642E-08	2.429E-05	3.281E-01
4.300E+04	4.806E-01	1.156E-19	2.053E-14	4.923E-08	4.335E-21	6.048E-02	4.868E-08	2.075E-05	3.288E-01
4.400E+04	4.857E-01	5.851E-20	1.203E-14	3.425E-08	2.016E-21	5.652E-02	3.601E-08	1.779E-05	3.292E-01
4.500E+04	4.907E-01	2.994E-20	7.098E-15	2.386E-08	9.412E-22	5.276E-02	2.688E-08	1.531E-05	3.292E-01
4.600E+04	4.955E-01	1.548E-20	4.213E-15	1.663E-08	4.410E-22	4.935E-02	2.024E-08	1.323E-05	3.290E-01
4.700E+04	5.002E-01	8.089E-21	2.514E-15	1.160E-08	2.074E-22	4.626E-02	1.537E-08	1.147E-05	3.264E-01
4.800E+04	5.046E-01	4.267E-21	1.509E-15	8.098E-09	9.783E-23	4.343E-02	1.176E-08	9.981E-06	3.261E-01
4.900E+04	5.088E-01	2.273E-21	9.113E-16	5.660E-09	4.633E-23	4.085E-02	9.067E-09	8.718E-06	3.275E-01
5.000E+04	5.127E-01	1.223E-21	5.534E-16	3.962E-C9	2.204E-23	3.848E-02	7.043E-09	7.642E-06	3.270E-01

P/P0 = 3.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.436E-01	1.155E-20	2.528E-35	2.312E-28	1.303E-22	1.173E-01	1.562E-18	6.885E-22
6.000E+02	0.	6.196E-01	3.322E-17	3.424E-29	5.733E-24	1.367E-18	2.853E-01	1.365E-18	2.090E-21
7.000E+02	0.	3.671E-01	7.928E-15	7.244E-25	5.929E-21	9.484E-16	4.747E-01	1.145E-18	4.630E-21
8.000E+02	0.	1.855E-01	3.899E-13	1.115E-21	8.207E-19	1.231E-13	6.101E-01	9.833E-19	8.777E-21
9.000E+02	0.	9.026E-02	7.023E-12	3.083E-19	3.178E-17	5.267E-12	6.823E-01	8.928E-17	1.554E-20
1.000E+03	0.	4.625E-02	6.625E-11	2.856E-17	5.446E-16	1.042E-12	7.153E-01	8.425E-19	2.563E-20
1.100E+03	0.	2.571E-02	4.032E-10	9.999E-16	5.372E-15	1.199E-09	7.307E-01	8.087E-19	3.930F-20
1.200E+03	0.	1.553E-02	1.791E-09	2.041E-14	5.386E-15	9.197E-09	7.364E-01	7.807E-19	5.632E-20
1.300E+03	0.	1.003E-02	6.286E-09	2.611E-13	1.777E-13	5.168E-08	7.425E-01	7.543E-19	7.621E-20
1.400E+03	0.	6.888E-03	1.817E-08	2.317E-12	7.019E-13	2.275E-07	7.448E-01	7.281E-19	9.832E-20
1.500E+03	1.242E-34	4.971E-03	4.647E-08	1.533E-11	2.310E-12	8.240E-07	7.463E-01	7.019E-19	1.217E-19
1.600E+03	2.193E-31	3.738E-03	1.046E-07	8.035E-11	6.365E-12	2.346E-06	7.472E-01	6.757E-19	1.664E-19
1.700E+03	2.17E-28	2.910E-03	2.137E-07	3.459E-10	1.054E-11	6.903E-06	7.478E-01	6.498E-19	1.712E-19
1.800E+03	1.013E-25	2.332E-03	4.034E-07	1.266E-09	3.769E-11	1.678E-05	7.482E-01	6.247E-19	1.957E-19
1.900E+03	2.305E-23	1.916E-03	7.121E-07	4.644E-14	7.892E-11	3.718E-05	7.485E-01	6.004E-19	2.197E-19
2.000E+03	3.071E-21	1.607E-03	1.187E-08	1.515E-08	1.533E-08	7.620E-05	7.487E-01	5.793E-19	2.437E-19
2.100E+03	2.093E-19	1.372E-03	1.886E-06	2.959E-08	2.818E-10	1.646E-06	7.488E-01	6.930E-19	3.308E-19
2.200E+03	2.159E-18	1.190E-03	2.872E-06	6.991E-08	4.895E-06	2.629E-06	7.489E-01	2.536E-18	1.358E-18
2.300E+03	2.237E-17	1.046E-03	4.216E-06	1.533E-07	8.117E-10	4.534E-04	7.488E-01	1.411E-17	8.385E-18
2.400E+03	2.124E-16	9.307E-03	5.993E-06	3.167E-07	1.292E-09	7.505E-04	7.487E-01	7.359E-17	4.811E-17
2.503E+03	5.868E-16	8.361E-04	8.282E-06	6.101E-07	1.984E-09	1.177E-03	7.483E-01	3.408E-16	2.423E-16
2.600E+03	2.495E-15	1.116E-04	1.124E-06	2.949E-05	1.797E-09	1.479E-03	7.479E-01	1.408E-15	1.090E-15
2.700E+03	9.557E-15	6.919E-04	1.470E-05	1.979E-06	2.626E-09	2.163E-03	7.471E-01	5.249E-15	4.379E-15
2.800E+03	3.323E-14	4.340E-04	1.899E-05	3.343E-06	5.999E-09	3.722E-03	7.466E-01	1.784E-14	1.596E-14
2.900E+03	1.048E-13	5.879E-04	2.407E-04	5.451E-06	2.520E-09	5.368E-02	7.464E-01	5.583E-14	5.326E-14
3.000E+03	3.198E-13	5.461E-04	3.002E-05	6.598E-06	1.111E-08	7.365E-03	7.431E-01	1.621E-13	1.643E-13
3.100E+03	6.746E-13	5.093E-04	3.887E-05	1.316E-05	1.467E-08	9.900E-03	7.409E-01	4.400E-13	4.719E-13
3.200E+03	2.272E-12	6.765E-04	4.465E-05	1.961E-05	1.902E-08	1.303E-02	7.382E-01	1.123E-12	1.270E-12
3.300E+03	5.590E-12	4.47E-04	5.337E-05	2.850E-05	2.426E-08	1.694E-02	7.346E-01	2.710E-12	3.224E-12
3.400E+03	1.304E-11	2.040E-04	6.304E-05	4.048E-05	3.047E-05	2.163E-02	7.307E-01	6.214E-12	7.753E-12
3.500E+03	2.900E-11	3.959E-05	7.363E-05	5.632E-05	3.772E-08	2.722E-02	7.258E-01	1.359E-11	1.775E-11
3.600E+03	6.175E-11	3.731E-04	4.508E-05	7.685E-05	4.606E-08	3.379E-02	7.201E-01	2.047E-11	3.083E-11
3.700E+03	1.263E-10	3.519E-04	9.733E-05	1.030E-04	5.554E-08	4.144E-02	7.134E-01	9.729E-11	8.148E-11
3.800E+03	2.488E-10	3.191E-04	1.103E-04	1.358E-04	6.164E-08	5.023E-02	7.057E-01	1.111E-10	1.648E-10
3.900E+03	6.735E-10	3.129E-04	1.238E-04	1.767E-04	7.878E-08	6.024E-02	6.969E-01	2.081E-10	3.205E-10
4.000E+03	8.731E-10	2.947E-04	1.379E-04	2.254E-04	9.066E-08	7.150E-02	6.870E-01	3.776E-10	6.041E-10
4.100E+03	1.563E-09	2.773E-04	1.522E-04	2.843E-04	1.046E-08	8.006E-02	6.760E-01	6.655E-10	1.194E-09
4.200E+03	2.721E-09	2.605E-04	1.899E-04	3.542E-04	1.919E-07	9.795E-02	6.630E-01	1.138E-09	1.941E-09
4.300E+03	6.617E-09	2.443E-04	1.810E-04	4.358E-04	1.304E-07	1.132E-01	6.504E-01	1.898E-09	3.391E-09
4.400E+03	7.645E-09	2.284E-04	1.952E-04	5.302E-04	1.503E-07	1.297E-01	6.359E-01	3.088E-09	5.720E-09
4.500E+03	1.239E-08	2.133E-04	2.069E-04	6.381E-04	1.666E-07	1.475E-01	6.202E-01	4.907E-09	9.422E-09
4.600E+03	1.964E-08	1.986E-04	2.220E-04	7.602E-04	1.829E-07	1.667E-01	6.035E-01	7.625E-09	1.518E-08
4.700E+03	3.054E-08	1.863E-04	2.392E-04	8.986E-04	1.911E-07	1.867E-01	5.857E-01	1.162E-08	2.397E-08
4.800E+03	4.655E-08	1.705E-04	2.455E-04	1.040E-03	2.150E-07	2.080E-01	5.670E-01	1.734E-08	3.710E-08
4.900E+03	6.986E-08	1.573E-04	2.556E-04	1.214E-03	2.302E-07	2.320E-01	5.474E-01	2.540E-08	5.639E-08
5.000E+03	1.030E-07	1.466E-04	2.644E-04	1.395E-03	2.445E-07	2.533E-01	5.271E-01	3.656E-08	8.422E-08
5.200E+03	2.140E-07	1.209E-04	2.778E-04	1.799E-03	2.698E-07	3.013E-01	4.847E-01	7.204E-08	1.790E-07
5.400E+03	4.203E-07	9.961E-05	2.851E-04	2.252E-03	2.893E-07	3.510E-01	4.408E-01	3.935E-07	5.987E-07
5.600E+03	7.851E-07	8.094E-05	2.863E-04	2.747E-03	3.021E-07	4.099E-01	3.966E-01	2.740E-07	6.818E-07
5.800E+03	1.402E-06	6.467E-05	2.818E-04	3.272E-03	3.301E-07	4.998E-01	3.531E-01	3.699E-07	1.235E-06
6.000E+03	2.903E-06	5.134E-05	2.723E-04	3.816E-03	3.704E-07	4.956E-01	3.113E-01	6.201E-07	2.143E-06
6.200E+03	3.972E-06	4.018E-05	2.588E-04	4.364E-03	3.009E-07	5.602E-01	2.721E-01	9.462E-07	3.574E-06
6.400E+03	6.351E-06	3.115E-05	2.425E-04	4.911E-03	2.896E-07	5.801E-01	2.361E-01	1.391E-06	5.754E-06
6.600E+03	9.459E-06	2.396E-05	2.293E-04	5.641E-03	2.746E-07	6.197E-01	2.035E-01	1.975E-06	8.499E-06
6.800E+03	1.489E-05	1.832E-05	2.056E-04	5.948E-03	2.571E-07	6.470E-01	1.766E-01	2.722E-06	1.358E-05
7.000E+03	2.194E-05	1.396E-05	1.867E-04	6.425E-03	2.381E-07	6.738E-01	1.493E-01	3.650E-06	2.001E-05
7.200E+03	3.163E-05	1.060E-05	1.682E-04	6.867E-03	2.183E-07	6.969E-01	1.274E-01	4.777E-06	2.870E-05
7.400E+03	4.449E-05	8.043E-06	1.336E-04	7.268E-03	1.985E-07	7.152E-01	1		

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
3.657E-05	2.042E-02	1.990E-08	3.108E-07	1.174E-01	1.560E-05	3.856E-03	1.343E-07	0.	3.900E+04
3.257E-05	1.776E-02	1.234E-08	2.292E-07	1.169E-01	1.256E-05	5.307E-03	3.069E-07	6.976E-15	3.600E+04
2.780E-05	1.547E-02	7.727E-09	1.652E-07	1.157E-01	1.013E-05	7.154E-03	6.707E-07	3.092E-14	3.700E+04
2.398E-05	1.347E-02	4.857E-09	1.248E-07	1.138E-01	8.186E-06	9.455E-03	1.404E-06	1.267E-13	3.800E+04
2.009E-05	1.171E-02	3.062E-09	9.180E-08	1.113E-01	6.621E-06	1.225E-02	2.821E-06	4.022E-13	3.900E+04
1.839E-05	1.017E-02	1.934E-09	6.724E-08	1.081E-01	5.356E-06	1.355E-02	5.449E-06	1.710E-12	4.000E+04
1.633E-05	8.798E-03	1.220E-09	4.897E-08	1.043E-01	4.329E-06	1.938E-02	1.013E-05	5.674E-12	4.100E+04
1.443E-05	7.597E-03	7.683E-10	3.541E-08	9.987E-02	3.494E-06	2.368E-02	1.816E-05	1.767E-11	4.200E+04
1.320E-05	6.515E-03	4.821E-10	2.540E-08	9.490E-02	2.813E-06	3.144E-02	5.184E-11	4.300E+04	
1.199E-05	5.566E-03	3.012E-10	1.806E-08	8.948E-02	2.260E-06	3.347E-02	5.265E-05	1.437E-10	4.400E+04
1.096E-05	4.734E-03	1.872E-10	1.273E-08	8.379E-02	1.809E-06	3.876E-02	8.543E-05	3.780E-10	4.500E+04
1.007E-05	4.000E-03	1.157E-10	8.866E-09	7.787E-02	1.444E-06	4.616E-02	1.346E-04	9.456E-10	4.600E+04
0.9298E-06	3.376E-03	7.119E-11	6.153E-09	7.182E-02	1.149E-06	4.956E-02	2.042E-04	2.258E-09	4.700E+04
0.8161E-06	2.831E-03	6.359E-11	4.227E-09	6.588E-02	9.108E-07	5.483E-02	3.079E-04	5.165E-09	4.800E+04
0.6116E-06	2.364E-03	2.558E-11	2.884E-09	6.010E-02	7.203E-07	5.989E-02	4.489E-04	1.139E-08	4.900E+04
7.449E-06	1.968E-03	1.616E-11	1.957E-09	5.456E-02	5.682E-07	6.465E-02	6.403E-04	2.401E-08	5.000E+04

P/P0 = 3.40E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
0.	0.	3.911E-02	7.454E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.509E-02	1.173E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.582E-01	1.496E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.437E-30	2.036E-01	1.752E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.325E-26	2.274E-01	2.016E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.877E-24	2.384E-01	2.289E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.400E-21	2.434E-01	2.545E-20	0.	0.	0.	0.	0.	1.200E+03
0.	1.133E-19	2.461E-01	2.775E-20	0.	0.	0.	0.	0.	1.300E+03
0.	4.511E-18	2.475E-01	2.960E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.063E-16	2.483E-01	3.102E-20	6.638E-32	0.	0.	0.	0.	1.500E+03
0.	1.645E-15	2.488E-01	3.204E-20	7.693E-31	0.	0.	0.	0.	1.600E+03
3.876E-34	1.811E-14	2.491E-01	3.270E-20	5.181E-30	0.	0.	0.	0.	1.700E+03
5.842E-31	1.505E-13	2.493E-01	3.307E-20	2.772E-29	0.	0.	0.	0.	1.800E+03
3.936E-28	9.900E-13	2.494E-01	3.319E-20	1.224E-28	0.	0.	0.	0.	1.900E+03
1.365E-25	5.345E-12	2.495E-01	3.312E-20	4.604E-28	0.	0.	0.	0.	2.000E+03
2.573E-23	2.496E-11	2.496E-01	3.302E-20	1.516E-27	0.	0.	0.	0.	2.100E+03
2.419E-11	9.650E-11	2.496E-01	4.067E-20	5.502E-27	4.784E-29	0.	0.	0.	2.200E+02
4.896E-20	3.370E-10	2.497E-01	1.527E-19	5.522E-26	2.328E-27	0.	0.	0.	2.300E+02
4.408E-19	1.050E-09	2.497E-01	6.695E-19	7.716E-25	4.749E-26	0.	0.	0.	2.400E+02
3.087E-18	3.010E-09	2.497E-01	4.630E-18	9.350E-24	6.981E-25	0.	0.	0.	2.500E+02
1.828E-17	7.894E-09	2.496E-01	2.185E-17	9.417E-23	8.177E-24	0.	0.	0.	2.600E+02
9.101E-17	1.924E-08	2.496E-01	9.190E-17	7.965E-22	7.902E-23	0.	0.	0.	2.700E+02
4.289E-16	4.349E-08	2.495E-01	3.482E-16	5.764E-21	6.446E-22	0.	0.	0.	2.800E+02
1.748E-15	9.445E-08	2.494E-01	1.202E-15	3.627E-20	4.521E-21	0.	0.	0.	2.900E+02
6.660E-15	1.920E-08	2.494E-01	3.816E-15	2.016E-19	2.769E-20	0.	0.	0.	3.000E+02
2.189E-14	3.754E-07	2.489E-01	1.124E-14	9.992E-19	1.501E-19	0.	0.	0.	3.100E+02
6.839E-14	7.003E-07	2.486E-01	3.092E-14	4.677E-18	7.288E-19	0.	0.	0.	3.200E+02
1.987E-13	1.256E-06	2.482E-01	8.000E-14	1.829E-17	3.202E-18	0.	0.	0.	3.300E+02
5.401E-13	2.174E-06	2.477E-01	1.957E-13	6.873E-17	1.204E-17	0.	0.	0.	3.400E+02
1.382E-12	3.649E-06	2.471E-01	4.547E-13	2.392E-16	4.739E-17	0.	0.	0.	3.500E+02
3.345E-12	5.960E-06	2.464E-01	1.008E-12	7.763E-16	1.621E-16	0.	0.	0.	3.600E+02
7.094E-12	9.911E-06	2.456E-01	2.162E-12	2.363E-15	5.172E-16	0.	0.	0.	3.700E+02
1.608E-11	1.454E-05	2.446E-01	4.375E-12	6.779E-15	1.547E-15	0.	0.	0.	3.800E+02
3.566E-11	2.196E-05	2.435E-01	8.615E-12	1.842E-14	4.363E-15	0.	0.	0.	3.900E+02
7.154E-11	3.264E-05	2.422E-01	1.640E-11	4.761E-14	1.165E-14	0.	0.	0.	4.000E+02
1.390E-10	4.702E-05	2.408E-01	3.026E-11	1.175E-13	2.959E-14	0.	0.	0.	4.100E+02
2.095E-10	6.490E-05	2.392E-01	5.424E-11	2.776E-13	7.154E-14	0.	0.	0.	4.200E+02
4.739E-10	9.356E-05	2.374E-01	1.946E-11	6.303E-13	1.654E-13	0.	0.	0.	4.300E+02
8.349E-10	1.280E-04	2.354E-01	1.610E-10	1.379E-12	3.687E-13	0.	0.	0.	4.400E+02
1.429E-09	1.766E-04	2.333E-01	2.875E-10	2.914E-12	7.894E-13	0.	0.	0.	4.500E+02
2.383E-09	2.333E-04	2.310E-01	4.346E-10	5.961E-12	1.631E-12	0.	0.	0.	4.600E+02
3.672E-09	3.082E-04	2.289E-01	6.925E-10	1.103E-11	3.259E-12	0.	0.	0.	4.700E+02
6.145E-09	4.016E-04	2.259E-01	1.082E-09	2.203E-11	6.311E-12	0.	0.	0.	4.800E+02
9.532E-09	5.179E-04	2.230E-01	1.659E-09	6.290E-11	1.170E-11	0.	0.	0.	4.900E+02
1.449E-08	6.630E-04	2.201E-01	2.930E-09	7.863E-11	2.171E-11	0.	0.	0.	5.000E+02
2.157E-08	8.334E-04	2.170E-01	3.715E-09	1.400E-10	3.869E-11	0.	0.	0.	5.200E+02
4.321E-08	1.291E-03	2.105E-01	7.031E-09	4.231E-10	1.143E-10	0.	0.	0.	5.400E+02
8.047E-08	1.932E-03	2.037E-01	1.359E-08	1.176E-09	3.094E-09	0.	0.	0.	5.600E+02
1.628E-07	2.807E-03	1.966E-01	2.983E-08	3.046E-09	7.746E-10	0.	0.	0.	5.800E+02
2.832E-07	3.760E-03	1.895E-01	5.451E-08	7.429E-09	1.800E-09	0.	0.	0.	6.000E+02
4.685E-07	5.877E-03	1.823E-01	9.590E-08	1.712E-08	3.984E-09	0.	0.	0.	6.200E+02
7.408E-07	1.398E-03	1.755E-01	1.031E-07	3.750E-08	8.214E-09	0.	0.	0.	6.400E+02
1.125E-06	9.801E-03	1.688E-01	2.688E-07	7.844E-08	1.818E-08	2.513E-23	0.	0.	6.600E+02
1.646E-06	1.177E-02	1.622E-01	4.308E-07	1.574E-07	3.043E-08	1.782E-24	0.	0.	6.800E+02
2.333E-06	1.614E-02	1.559E-01	6.723E-07	3.039E-07	5.496E-08	1.132E-23	0.	0.	7.000E+02
3.212E-06	2.062E-02	1.496E-01	1.024E-06	9.661E-07	9.233E-08	6.499E-23	0.	0.	7.200E+02
4.310E-06	2.566E-02	1.434E-01	1.522E-06	1.027E-06	1.600E-07	3.390E-22	0.	0.	7.400E+02
5.032E-06	3.151E-02	1.372E-01	2.212E-06	1.750E-06	2.599E-07	1.629E-21	0.	0.	7.600E+02
7.245E-06	3.821E-02	1.306E-01	3.144E-06	3.017E-06	4.101E-07	7.199E-21	0.	0.	7.800E+02
9.172E-06	4.579E-02	1.245E-01	4.372E-06	4.971E-06	6.293E-07	2.949E-20	0.	0.	8.000E+02
1.129E-05	5.423E-02	1.179E-01	5.952E-06	7.975E-06	9.412E-07	1.125E-19	0.	0.	8.200E+02
1.395E-05	6.351E-02	1.111E-01	7.934E-06	1.247E-05	1.374E-06	4.010E-19	0.	0.	8.400E+02
1.667E-05	7.359E-02	1.042E-01	1.036E-05	1.903E-05	1.960E-06	1.346E-18	0.	0.	8.600E+02
2.016E-05	8.425E-02	9.701E-02	1.325E-05	2.037E-05	2.734E-06	6.249E-18	0.	0.	8.800E+02
2.384E-05	9.350E-02	8.972E-02	1.606E-05	4.137E-05	3.742E-06	1.249E-17	0.	0.	9.000E+02

TABLE II.- Continued

T	F-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	4.124E-04	9.159E-07	5.417E-05	8.633E-03	7.099E-08	7.691E-01	3.184E-02	2.554E-05	3.403E-04
9.200E+03	5.168E-04	7.040E-07	4.704E-05	8.553E-03	6.043E-08	7.687E-01	2.768E-02	2.912E-05	4.194E-04
9.400E+03	6.119E-04	5.624E-07	4.080E-05	8.423E-03	5.109E-08	7.675E-01	2.415E-02	3.297E-05	5.126E-04
9.600E+03	7.705E-04	4.188E-07	3.529E-05	8.245E-03	4.289E-08	7.658E-01	2.116E-02	3.709E-05	6.210E-04
9.800E+03	9.657E-04	3.263E-07	3.046E-05	8.028E-03	3.577E-08	7.637E-01	1.861E-02	4.151E-05	7.444E-04
1.000E+04	1.171E-03	2.517E-07	2.629E-05	7.775E-03	2.966E-08	7.614E-01	1.644E-02	4.623E-05	8.908E-04
1.100E+04	2.768E-03	7.471E-08	1.246E-05	6.242E-03	1.090E-08	7.499E-01	9.393E-03	7.511E-05	1.974E-03
1.200E+04	5.689E-03	2.560E-08	6.031E-06	4.745E-03	3.079E-09	7.409E-01	5.872E-03	1.142E-04	3.096E-03
1.300E+04	1.049E-02	9.033E-09	3.064E-06	3.577E-03	1.440E-09	7.326E-01	3.912E-03	1.642E-04	7.010E-03
1.400E+04	1.773E-02	3.641E-09	1.636E-06	2.708E-03	5.697E-10	7.222E-01	2.731E-03	2.242E-04	1.168E-02
1.500E+04	2.799E-02	1.575E-09	9.090E-07	2.071E-03	2.388E-10	7.081E-01	1.956E-03	2.915E-04	1.025E-02
1.600E+04	4.154E-02	7.149E-10	5.182E-07	1.589E-03	1.043E-10	6.896E-01	1.424E-03	3.623E-04	2.698E-02
1.700E+04	5.870E-02	3.335E-10	2.996E-07	1.215E-03	6.664E-11	6.656E-01	1.043E-03	4.315E-04	3.806E-02
1.800E+04	7.940E-02	1.572E-10	1.246E-05	6.242E-03	1.090E-08	7.499E-01	9.393E-03	4.934E-04	5.150E-02
1.900E+04	1.033E-01	7.377E-11	9.943E-08	6.889E-04	9.405E-12	6.034E-01	5.545E-04	5.242E-04	6.719E-02
2.000E+04	1.299E-01	3.411E-11	5.620E-09	5.059E-04	4.141E-12	5.660E-01	3.908E-04	5.740E-04	8.026E-02
2.100E+04	1.503E-01	1.563E-11	3.113E-09	3.640E-04	1.780E-12	5.257E-01	2.814E-04	5.858E-04	1.040E-01
2.200E+04	1.877E-01	6.793E-12	1.686E-08	2.564E-04	7.448E-13	4.837E-01	1.957E-04	5.777E-04	1.241E-01
2.300E+04	2.171E-01	2.911E-12	8.920E-09	1.769E-04	3.030E-13	4.614E-01	1.338E-04	5.510E-04	1.455E-01
2.400E+04	2.457E-01	1.215E-12	4.621E-09	1.198E-04	1.202E-13	3.998E-01	9.009E-05	5.121E-04	1.648E-01
2.500E+04	2.727E-01	4.966E-13	2.352E-09	7.985E-05	4.665E-14	3.601E-01	5.983E-05	4.634E-04	1.846E-01
2.600E+04	2.978E-01	1.997E-13	1.181E-09	5.255E-05	1.784E-14	3.230E-01	3.931E-05	4.103E-04	2.024E-01
2.700E+04	3.205E-01	7.948E-14	5.802E-10	3.429E-05	6.762E-15	2.889E-01	2.564E-05	3.568E-04	2.200E-01
2.800E+04	3.609E-01	3.153E-14	2.920E-10	2.226E-05	2.559E-15	2.123E-01	1.665E-05	3.059E-04	2.356E-01
2.900E+04	3.589E-01	1.254E-14	1.452E-10	1.443E-05	9.726E-16	2.308E-01	1.081E-05	2.594E-04	2.496E-01
3.000E+04	3.748E-01	5.030E-15	7.298E-11	9.368E-06	5.733E-16	2.065E-01	7.029E-06	2.183E-04	2.620E-01
3.100E+04	3.887E-01	2.043E-15	3.661E-11	6.105E-06	4.952E-16	1.852E-01	4.592E-06	1.827E-04	2.730E-01
3.200E+04	4.008E-01	8.427E-16	2.886E-11	4.001E-06	5.766E-17	1.665E-01	3.019E-06	1.525E-04	2.826E-01
3.300E+04	4.115E-01	3.560E-16	9.661E-12	2.640E-06	2.313E-17	1.502E-01	2.001E-06	1.272E-04	2.910E-01
3.400E+04	4.209E-01	1.517E-16	5.067E-12	1.755E-06	9.526E-18	1.359E-01	1.333E-06	1.060E-04	2.982E-01
3.500E+04	4.293E-01	6.435E-17	2.697E-12	1.176E-06	3.999E-18	1.233E-01	9.045E-07	8.852E-05	3.045E-01
3.600E+04	4.369E-01	2.962E-17	1.457E-12	7.935E-07	1.707E-18	1.124E-01	6.179E-07	7.409E-05	3.098E-01
3.700E+04	4.438E-01	1.369E-17	7.979E-13	5.394E-07	7.429E-19	1.028E-01	4.261E-07	6.210E-05	3.143E-01
3.800E+04	4.502E-01	6.265E-18	4.430E-13	3.690E-07	3.285E-19	9.426E-02	2.972E-07	5.223E-05	3.180F-01
3.900E+04	4.562E-01	2.963E-18	2.538E-13	2.538E-07	2.474E-19	8.672E-02	2.095E-07	4.407E-05	3.210E-01
4.000E+04	4.620E-01	1.425E-18	1.416E-13	1.754E-07	6.693E-20	0.0002E-02	1.493E-07	3.731E-05	3.234E-01
4.100E+04	4.675E-01	6.964E-19	8.130E-14	1.217E-07	3.071E-20	7.404E-02	1.074E-07	3.169E-05	3.259E-01
4.200E+04	4.729E-01	3.452E-19	6.712E-14	8.464E-08	1.421E-20	6.886E-02	7.811E-08	2.702E-05	3.266E-01
4.300E+04	4.782E-01	1.734E-19	2.753E-14	5.901E-08	6.517E-21	6.387E-02	5.732E-08	2.311E-05	3.274E-01
4.400E+04	4.834E-01	8.814E-20	1.620E-14	4.120E-08	3.098E-21	5.953E-02	4.245E-08	1.984E-05	3.279E-01
4.500E+04	4.884E-01	4.531E-20	9.594E-15	2.879E-08	1.457E-21	5.361E-02	3.173E-08	1.709E-05	3.281E-01
4.600E+04	4.933E-01	2.354E-20	5.717E-15	2.018E-08	8.075E-22	5.246E-02	2.391E-08	1.478E-05	3.280E-01
4.700E+04	4.980E-01	1.235E-20	3.426E-15	1.410E-08	3.255E-22	4.880E-02	1.817E-08	1.202E-05	3.277E-01
4.800E+04	5.025E-01	6.546E-21	2.065E-15	9.879E-09	1.547E-22	4.584E-02	1.392E-08	1.116E-05	3.273E-01
4.900E+04	5.067E-01	3.502E-21	1.251E-15	6.924E-09	7.376E-23	4.313E-02	1.074E-08	9.757E-06	3.268E-01
5.000E+04	5.108E-01	1.891E-21	7.626E-16	4.865E-09	3.532E-23	4.064E-02	8.347E-09	8.958E-06	3.263E-01

P/PD = 3.60E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	3.	8.476E-01	1.143E-20	2.463E-35	2.323E-28	1.250E-22	1.143E-01	1.565E-18	6.794E-22
6.000E+02	0.	6.279E-01	3.307E-17	3.351E-29	5.809E-26	1.294E-18	2.791E-01	1.372E-18	2.064E-21
7.000E+02	0.	3.769E-01	7.970E-15	7.132E-25	6.087E-21	9.146E-16	4.674E-01	1.153E-18	4.537E-21
8.000E+02	0.	1.929E-01	3.958E-13	1.105E-21	8.533E-19	1.191E-13	6.053E-01	9.898E-19	8.617E-21
9.000E+02	0.	9.465E-02	7.176E-12	3.068E-17	3.332E-17	5.087E-12	6.790E-01	8.968E-19	1.520E-20
1.000E+03	0.	4.872E-02	6.790E-11	2.649E-17	5.735E-16	1.011E-10	7.139E-01	8.451E-19	2.026E-20
1.100E+03	0.	2.715E-02	4.139E-10	9.784E-16	5.671E-15	1.165E-09	7.296E-01	8.100E-19	3.832E-20
1.200E+03	0.	1.638E-02	1.861E-09	2.039E-13	3.788E-16	6.934E-09	7.377E-01	7.828E-19	5.490E-20
1.300E+03	0.	1.061E-02	6.466E-09	2.610E-13	1.880E-13	5.021E-08	7.420E-01	7.566E-19	7.431E-20
1.400E+03	0.	7.288E-03	1.890E-08	2.316E-12	7.426E-13	2.211E-07	7.449E-01	7.308E-19	9.591E-20
1.500E+03	1.168E-34	5.260E-03	6.780E-08	1.533E-11	2.445E-12	8.007E-07	7.461E-01	7.049E-19	1.190E-19
1.600E+03	2.521E-31	3.956E-03	1.075E-07	8.034E-11	6.944E-12	2.474E-06	7.470E-01	6.701E-19	1.430E-19
1.700E+03	2.216E-28	3.080E-03	2.199E-07	3.459E-10	1.751E-11	6.708E-06	7.471E-01	6.536E-19	1.673E-19
1.800E+03	9.506E-26	2.469E-03	4.150E-07	1.266E-09	3.989E-11	1.630E-05	7.481E-01	6.288E-19	1.915E-19
1.900E+03	2.160E-23	2.028E-03	7.326E-07	4.643E-09	8.355E-11	3.613E-05	7.484E-01	6.049E-19	2.151E-19
2.000E+03	2.877E-21	1.701E-03	1.222E-06	1.150E-08	1.620E-10	7.405E-05	7.487E-01	5.838E-19	2.398E-19
2.100E+03	1.960E-19	1.453E-03	1.940E-06	2.959E-08	2.983E-10	1.419E-04	7.488E-01	6.917E-19	3.209E-19
2.200E+03	3.029E-18	1.260E-03	2.059E-06	6.991E-08	5.183E-10	2.564E-04	7.489E-01	2.407E-18	1.294E-18
2.300E+03	2.132E-17	1.108E-03	4.338E-06	1.533E-07	8.593E-10	4.404E-04	7.488E-01	1.379E-17	7.966E-18
2.400E+03	1.182E-16	9.854E-04	6.166E-06	3.147E-07	1.346E-09	7.240E-04	7.488E-01	7.194E-17	6.571E-17
2.500E+03	5.668E-16	6.853E-06	8.521E-06	6.101F-07	2.100E-09	1.144E-03	7.483E-01	3.332E-16	2.312E-16
2.600E+03	2.409E-15	8.023E-04	1.148E-05	1.124E-06	3.123E-09	1.766E-01	7.477E-01	1.377E-15	1.036E-15
2.700E+03	9.215E-15	7.327E-04	1.513E-05	1.979E-06	4.512E-09	2.583E-03	7.472E-01	5.137E-15	4.164E-15
2.800E+03	3.209E-14	6.735E-04	1.954E-05	3.345E-06	6.352E-09	3.717E-03	7.462E-01	1.747E-14	
2.900E+03	1.027E-13	6.226E-04	2.477E-05	5.452E-06	8.737E-09	5.217E-03	7.464E-01	9.468E-14	
3.000E+03	3.045E-13	5.784E-04	3.096E-05	8.999E-06	1.176E-08	7.158E-03	7.465E-01	1.580E-13	1.564E-13
3.100E+03	8.430E-13	5.395E-04	3.795E-05	1.316E-05	1.559E-08	9.623E-03	7.461E-01	4.312E-13	4.493E-13
3.200E+03	2.192E-12	5.049E-04	4.596E-05	1.961E-05	2.015E-08	1.270E-02	7.359E-01	1.1	

TABLE II.- Continued

M-	N	N2	N2+	N*	N-	N++	N***	N****	T
2.792E-05	1.071E-01	4.237E-02	2.038E-05	5.904E-05	5.015E-06	3.594E-17	0.	0.	9.000E+03
3.241E-05	1.189E-01	7.503E-02	2.455E-05	8.254E-05	6.597E-06	9.687E-17	0.	0.	9.200E+03
3.734E-05	1.307E-01	6.779E-02	2.900E-05	1.132E-04	9.520E-06	2.491E-16	0.	0.	9.400E+03
4.270E-05	1.424E-01	6.076E-02	3.384E-05	1.523E-04	1.082E-05	6.129E-16	0.	0.	9.600E+03
4.850E-05	1.536E-01	5.602E-02	3.833E-05	2.015E-04	1.350E-05	1.444E-15	0.	0.	9.800E+03
5.415E-05	1.642E-01	4.766E-02	4.294E-05	2.620E-04	1.640E-05	3.282E-15	0.	0.	1.000E+04
9.287E-05	2.054E-01	2.322E-02	6.127E-05	7.884E-04	3.806E-05	1.188E-13	0.	0.	1.100E+04
1.420E-04	2.261E-01	1.049E-02	6.876E-05	1.820E-03	6.787E-05	2.210E-12	0.	0.	1.200E+04
2.003E-04	2.335E-01	6.809E-03	6.869E-05	3.548E-03	1.034E-04	2.549E-11	0.	0.	1.300E+04
2.641E-04	2.338E-01	2.321E-03	6.930E-05	6.170E-03	2.059E-10	7.291E-25	0.	0.	1.400E+04
3.288E-04	2.298E-01	1.186E-03	5.991E-05	9.842E-03	1.803E-04	1.259E-09	4.638E-23	0.	1.500E+04
3.888E-04	2.227E-01	6.359E-04	5.398E-05	1.476E-02	2.152E-04	6.167E-09	1.786E-21	0.	1.605E+04
4.387E-04	2.130E-01	3.538E-04	4.766E-05	2.085E-02	2.434E-04	2.516E-08	6.562E-20	0.	1.700E+04
4.739E-04	2.010E-01	2.018E-04	4.120E-05	2.810E-02	2.620E-04	8.814E-08	6.209E-19	0.	1.800E+04
4.911E-04	1.871E-01	1.169E-04	3.481E-05	3.632E-02	2.698E-04	2.718E-07	1.132E-17	0.	1.900E+04
4.895E-04	1.717E-01	6.823E-05	2.873E-05	4.522E-02	2.660E-04	7.506E-07	1.219E-16	0.	2.000E+04
4.703E-04	1.555E-01	3.985E-05	2.316E-05	5.447E-02	2.525E-04	1.888E-06	1.041E-15	0.	2.100E+04
4.366E-04	1.391E-01	2.321E-05	1.824E-05	6.367E-02	2.312E-04	4.301E-06	7.768E-15	0.	2.200E+04
3.930E-04	1.229E-01	1.345E-05	1.407E-05	7.254E-02	2.051E-04	9.472E-06	6.876E-14	0.	2.300E+04
3.641E-04	1.076E-01	7.762E-06	1.065E-05	8.080E-02	1.771E-04	1.926E-05	2.677E-13	0.	2.400E+04
2.945E-04	9.348E-02	4.462E-06	7.941E-06	8.821E-02	1.494E-04	3.708E-05	1.300E-12	0.	2.500E+04
2.473E-04	8.374E-02	2.562E-06	5.851E-06	9.469E-02	1.237E-04	6.809E-05	5.733E-12	0.	2.600E+04
2.047E-04	6.948E-02	1.473E-06	4.276E-06	1.002E-01	1.010E-04	1.199E-04	2.294E-11	0.	2.700E+04
1.779E-04	5.970E-02	8.505E-07	3.10E-06	1.049E-01	8.160E-05	2.031E-04	6.428E-11	0.	2.800E+04
1.368E-04	5.129E-02	4.943E-07	2.258E-06	1.088E-01	6.553E-05	3.329E-05	2.867E-10	0.	2.900E+04
1.113E-04	4.612E-02	2.897E-07	1.641E-06	1.177E-01	5.243E-05	5.289E-04	9.059E-10	0.	3.000E+04
9.073E-05	3.802E-02	1.716E-07	1.195E-06	1.140E-01	4.190E-05	6.173E-04	2.704E-05	0.	3.100E+04
7.423E-05	3.205E-02	1.027E-07	8.727E-07	1.157E-01	3.350E-05	1.231E-03	7.573E-09	0.	3.200E+04
6.112E-05	2.844E-02	6.215E-08	6.400E-07	1.165E-01	2.683E-05	1.809E-03	2.006E-08	0.	3.300E+04
5.072E-05	2.472E-02	3.801E-C8	4.710E-07	1.175E-01	2.154E-05	2.599E-03	5.044E-08	0.	3.400E+04
3.555E-05	1.875E-02	1.463E-08	2.572E-07	1.170E-01	1.398E-05	5.033E-03	2.757E-07	5.944E-15	3.500E+04
3.073E-05	1.633E-02	9.180E-09	1.905E-07	1.159E-01	1.131E-05	6.792E-03	6.032E-07	2.635E-14	3.700E+04
2.654E-05	1.427E-02	5.791E-09	1.409E-07	1.142E-01	9.157E-06	9.984E-03	1.264E-06	1.080E-13	3.800E+04
2.316E-05	1.243E-02	3.666E-09	1.040E-07	1.119E-01	7.423E-06	1.165E-02	2.542E-06	4.113E-13	3.900E+04
2.040E-05	1.081E-02	2.323E-09	7.652E-08	1.088E-01	6.015E-01	1.482E-02	6.919E-06	1.460E-12	4.000E+04
1.814E-05	9.381E-03	1.474E-09	5.597E-08	1.052E-01	4.877E-03	1.850E-02	9.154E-06	4.851E-12	4.100E+04
1.626E-05	8.109E-03	9.326E-10	4.067E-08	1.010E-01	3.907E-03	2.249E-02	1.664E-05	5.513E-11	4.270E+04
1.469E-05	6.902E-03	5.883E-10	2.932E-08	9.620E-02	3.188E-06	2.724E-02	2.852E-03	4.448E-11	4.300E+04
1.336E-05	5.980E-03	3.696E-10	2.096E-08	9.096E-02	2.568E-06	3.217E-02	4.787E-05	1.236E-10	4.400E+04
1.222E-05	5.104E-03	2.311E-10	1.648E-08	8.537E-02	2.046E-02	3.736E-02	7.707E-05	3.258E-10	4.500E+04
1.123E-05	4.333E-03	1.437E-10	1.044E-08	7.955E-02	1.651E-06	6.266E-02	1.230E-04	8.170E-10	4.600E+04
1.030E-05	3.661E-03	8.896E-11	7.268E-09	7.363E-02	1.318E-06	4.803E-02	1.885E-04	1.956E-09	4.700E+04
9.621E-06	3.079E-03	5.480E-11	5.023E-09	6.774E-02	9.846E-06	5.329E-02	2.828E-04	4.484E-09	4.800E+04
8.950E-06	2.580E-03	3.362E-11	3.446E-09	6.197E-02	31.77E-07	6.836E-02	6.134E-04	9.873E-09	4.900E+04
8.350E-06	2.153E-03	2.050E-11	2.352E-09	5.642E-02	59.82E-07	6.315E-02	5.909E-04	2.094E-09	5.000E+04

P/PG = 3.60E+02

M-	N	N2	N2+	N*	N-	N++	N***	N****	T
0.	0.	3.810E-02	7.471E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.303E-02	1.179E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.590E-01	1.907E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.293E-30	2.010E-01	1.763E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.285E-26	2.263E-01	2.023E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.645E-24	2.378E-01	2.296E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.410E-21	2.432E-01	2.559E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.101E-19	2.459E-01	2.782E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.303E-18	2.473E-01	2.909E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.032E-16	2.462E-01	3.113E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.599E-15	2.487E-01	3.218E-20	7.510E-31	0.	0.	0.	0.	1.500E+03
3.747E-34	1.760E-14	2.499E-01	3.287E-20	5.061E-31	0.	0.	0.	0.	1.600E+03
5.663E-31	1.663L-13	2.492E-01	3.326E-20	2.710E-29	0.	0.	0.	0.	1.700E+03
3.799E-28	9.620E-13	2.494E-01	3.341E-20	1.190E-28	0.	0.	0.	0.	1.800E+03
1.290E-25	5.193E-12	2.495E-01	3.337E-20	6.508E-28	0.	0.	0.	0.	1.900E+03
2.000E-23	2.372E-11	2.496E-01	3.329E-20	1.469E-27	0.	0.	0.	0.	2.000E+03
2.359E-21	9.370E-11	2.496E-01	6.098E-20	5.3308E-27	6.657E-29	0.	0.	0.	2.100E+03
4.506E-20	3.274E-10	2.497E-01	1.497E-19	5.262E-26	2.304E-27	0.	0.	0.	2.200E+03
3.382E-19	1.026E-09	2.497E-01	8.500E-19	7.331E-25	4.721E-26	0.	0.	0.	2.300E+03
3.069E-18	2.926E-09	2.497E-01	6.520E-19	8.990E-24	6.990E-25	0.	0.	0.	2.400E+03
1.814E-17	7.674E-09	2.496E-01	2.137E-17	8.949E-23	8.127E-24	0.	0.	0.	2.500E+03
9.349E-17	1.070E-08	2.496E-01	8.900E-17	7.571E-22	7.851E-23	0.	0.	0.	2.600E+03
4.255E-16	4.264E-08	2.495E-01	3.607E-16	9.468E-21	6.463E-22	0.	0.	0.	2.700E+03
1.774E-15	9.179E-08	2.494E-01	1.177E-15	3.450E-20	4.409E-21	0.	0.	0.	2.800E+03
6.319E-15	1.074E-07	2.492E-01	3.737E-15	1.917E-14	2.749E-20	0.	0.	0.	2.900E+03
2.172E-14	3.645E-07	2.489E-01	1.101E-14	9.311E-14	1.400E-19	0.	0.	0.	3.000E+03
6.765E-14	6.806E-07	2.486E-01	3.030E-14	4.263E-14	7.230E-19	0.	0.	0.	3.100E+03
1.971E-13	1.221E-06	2.483E-01	7.040E-14	1.742E-17	3.173E-18	0.	0.	0.	3.200E+03
5.397E-13	2.115E-06	2.478E-01	1.910E-13	6.940E-17	1.273E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.250E-11	4.45E-06	6.493E-05	6.050E-05	3.229E-08	2.103E-02	7.312E-01	6.096E-12	7.390E-12
3.500E+03	2.793E-11	4.198E-04	7.584E-05	5.635E-05	3.999E-08	2.644E-02	7.265E-01	1.334E-11	1.692E-11
3.600E+03	9.946E-11	3.956E-04	8.767E-05	7.691E-05	4.885E-08	3.284E-02	7.209E-01	2.795E-11	3.703E-11
3.700E+03	1.214E-10	3.735E-04	1.003E-04	1.031E-04	5.892E-08	4.030E-02	7.143E-01	5.620E-11	7.773E-11
3.800E+03	2.395E-10	3.524E-04	1.137E-04	1.399E-04	7.020E-08	4.886E-02	7.068E-01	1.092E-10	1.570E-10
3.900E+03	6.358E-10	3.324E-04	1.277E-04	1.764E-04	8.269E-08	5.866E-02	6.983E-01	2.047E-10	3.059E-10
4.000E+03	8.433E-10	3.134E-04	1.423E-04	2.257E-04	9.632E-08	6.957E-02	6.887E-01	3.713E-10	5.768E-10
4.100E+03	1.504E-09	2.951E-04	1.571E-04	2.849E-04	1.110E-07	8.181E-02	6.779E-01	6.544E-10	1.055E-09
4.200E+03	2.618E-09	2.774E-04	1.721E-04	3.550E-04	1.267E-07	9.535E-02	6.660E-01	1.121E-09	1.874E-09
4.300E+03	4.443E-09	2.604E-04	1.871E-04	4.370E-04	1.431E-07	1.102E-01	6.530E-01	1.871E-09	3.241E-09
4.400E+03	7.359E-09	2.439E-04	2.019E-04	5.319E-04	1.602E-07	1.263E-01	6.384E-01	3.045E-09	5.468E-09
4.500E+03	1.192E-08	2.279E-04	2.163E-04	6.405E-04	1.777E-07	1.437E-01	6.235E-01	4.842E-09	9.011E-09
4.600E+03	1.890E-08	2.124E-04	2.300E-04	7.634E-04	1.959E-07	1.623E-01	6.072E-01	7.933E-09	1.453E-08
4.700E+03	2.939E-08	1.974E-04	2.430E-04	9.010E-04	2.129E-07	1.821E-01	5.898E-01	1.148E-08	2.294E-08
4.800E+03	4.448E-08	1.830E-04	2.569E-04	1.054E-03	2.301E-07	2.029E-01	5.716E-01	1.715E-08	3.552E-08
4.900E+03	6.725E-08	1.690E-04	2.657E-04	1.222E-03	2.466E-07	2.247E-01	5.522E-01	2.514E-08	3.400E-08
5.000E+03	9.918E-08	1.556E-04	2.753E-04	1.404E-03	2.624E-07	2.473E-01	5.323E-01	3.622E-08	8.009E-08
5.200E+03	2.061E-07	1.304E-04	2.899E-04	1.813E-03	2.903E-07	2.944E-01	4.904E-01	7.150E-08	1.716E-07
5.400E+03	6.049E-07	1.081E-04	2.984E-04	2.274E-03	3.122E-07	3.436E-01	4.473E-01	1.324E-07	3.443E-07
5.600E+03	7.567E-07	8.618E-05	3.005E-04	2.778E-03	3.271E-07	3.930E-01	4.035E-01	2.332E-07	6.548E-07
5.800E+03	1.351E-06	7.100E-05	2.967E-04	3.315E-03	3.347E-07	4.416E-01	3.803E-01	3.893E-07	1.137E-06
6.000E+03	2.319E-06	5.646E-05	2.876E-04	3.872E-03	3.351E-07	4.882E-01	3.186E-01	6.212E-07	2.002E-06
6.200E+03	3.835E-06	4.460E-05	2.763E-04	4.437E-03	3.291E-07	5.320E-01	2.794E-01	9.502E-07	3.443E-06
6.400E+03	6.136E-06	3.458E-05	2.597E-04	4.999E-03	3.178E-07	5.721E-01	2.431E-01	1.400E-06	5.548E-06
6.600E+03	9.528E-06	2.672E-05	2.394E-04	5.546E-03	3.023E-07	6.082E-01	2.102E-01	1.993E-06	6.655E-06
6.800E+03	1.400E-05	2.052E-05	2.199E-04	6.074E-03	2.839E-07	6.399E-01	1.809E-01	2.753E-06	1.311E-05
7.000E+03	2.123E-05	1.570E-05	2.002E-04	6.571E-03	2.637E-07	6.673E-01	1.551E-01	3.700E-06	1.934E-05
7.200E+03	3.062E-05	1.197E-05	1.809E-04	7.032E-03	2.424E-07	6.906E-01	1.324E-01	4.853E-06	2.784E-05
7.400E+03	4.322E-05	9.112E-06	1.624E-04	7.452E-03	2.209E-07	7.100E-01	1.133E-01	6.226E-06	3.920E-05
7.600E+03	6.037E-05	6.935E-06	1.595E-04	7.827E-03	1.999E-07	7.259E-01	9.673E-02	7.835E-06	5.409E-05
7.800E+03	8.198E-05	5.280E-06	1.289E-04	8.154E-03	1.793E-07	7.388E-01	8.265E-02	9.688E-06	7.324E-05
8.000E+03	1.120E-04	4.023E-06	1.142E-04	8.428E-03	1.597E-07	7.485E-01	7.071E-02	1.179E-05	9.755E-05
8.200E+03	1.641E-04	3.070E-06	1.037E-04	8.647E-03	1.413E-07	7.560E-01	6.060E-02	1.416E-05	1.279E-04
8.400E+03	1.911E-04	2.347E-06	8.862E-05	8.808E-03	1.241E-07	7.614E-01	5.207E-02	1.670E-05	1.652E-04
8.600E+03	2.471E-04	1.797E-06	7.733E-05	8.911E-03	1.083E-07	7.649E-01	4.484E-02	1.967E-05	2.107E-04
8.800E+03	3.160E-04	1.379E-06	6.799E-05	8.956E-03	9.377E-08	7.670E-01	3.874E-02	2.203E-05	2.655E-04
9.000E+03	3.959E-04	1.060E-06	5.932E-05	8.942E-04	8.036E-08	7.676E-01	3.366E-02	2.625E-05	3.309E-04
9.200E+03	5.013E-04	8.168E-07	5.162E-05	8.872E-03	6.884E-08	7.677E-01	2.923E-02	2.995E-05	4.001E-04
9.400E+03	6.227E-04	6.304E-07	4.484E-05	8.746E-03	5.836E-08	7.686E-01	2.533E-02	3.392E-05	4.986E-04
9.600E+03	7.669E-04	4.878E-07	3.885E-05	8.577E-03	4.914E-08	7.653E-01	2.237E-02	3.818E-05	6.001E-04
9.800E+03	9.369E-04	3.783E-07	3.361E-05	8.363E-03	4.110E-08	7.633E-01	1.969E-02	4.275E-05	7.263E-04
1.000E+04	1.138E-03	2.943E-07	2.903E-05	8.112E-03	3.417E-08	7.612E-01	1.739E-02	4.762E-05	8.648E-04
1.100E+04	2.687E-03	6.797E-08	1.385E-05	6.554E-03	2.272E-08	7.500E-01	9.947E-03	7.739E-05	1.921E-03
1.200E+04	5.525E-03	2.910E-08	6.736E-06	5.034E-03	4.566E-09	7.411E-01	6.219E-03	1.175E-04	3.789E-03
1.300E+04	1.019E-02	1.072E-08	3.432E-06	3.777E-03	1.705E-09	7.328E-01	4.151E-03	1.692E-04	6.817E-03
1.400E+04	1.723E-02	4.331E-09	1.837E-06	2.866E-03	6.777E-10	7.227E-01	2.898E-03	2.310E-04	1.136E-02
1.500E+04	2.718E-02	1.879E-09	1.023E-06	2.198E-03	2.849E-10	7.090E-01	2.077E-03	3.000E-04	1.773E-02
1.600E+04	4.041E-02	8.561E-10	5.850E-07	1.690E-03	1.246E-10	6.909E-01	1.513E-03	3.740E-02	2.679E-02
1.700E+04	5.714E-02	6.012E-10	3.391E-07	1.296E-03	5.615E-11	6.677E-01	1.112E-03	4.461E-04	3.704E-02
1.800E+04	7.734E-02	1.901E-10	1.970E-07	9.855E-04	2.545E-11	6.394E-01	8.153E-04	5.109E-04	9.015E-02
1.900E+04	1.037E-01	0.982E-11	1.137E-07	7.395E-04	1.147E-11	6.070E-01	5.904E-04	5.629E-04	6.597E-02
2.000E+04	1.268E-01	4.186E-11	6.463E-08	5.453E-04	5.094E-12	5.704E-01	4.279E-04	5.972E-04	8.271E-02
2.100E+04	1.547E-01	1.910E-11	3.504E-08	3.942E-04	2.211E-12	5.308E-01	.0308E-04	6.113E-04	1.019E-01
2.200E+04	1.836E-01	6.492E-12	1.966E-08	2.792E-04	9.347E-13	4.898E-01	2.122E-04	6.048E-04	1.212E-01
2.300E+04	2.127E-01	3.677E-12	1.096E-08	1.937E-04	3.845E-13	4.470E-01	1.454E-04	5.798E-04	1.614E-01
2.400E+04	2.410E-01	1.552E-12	5.000E-09	1.319E-04	2.006E-14	1.914E-01	9.866E-05	5.491E-04	1.614E-01
2.500E+04	2.679E-01	6.151E-12	2.813E-09	8.845E-05	6.060E-16	3.673E-01	6.589E-05	4.906E-04	1.808E-01
2.600E+04	2.929E-01	2.608E-12	1.625E-09	5.855E-05	2.344E-14	3.303E-01	4.352E-05	3.431E-04	1.992E-01
2.700E+04	3.157E-01	1.049E-12	7.155E-10	3.842E-05	8.985E-15	2.962E-01	2.853E-05	3.807E-04	2.162E-01
2.800E+04	3.362E-01	4.207E-14	3.500E-10	2.507E-05	3.434E-15	2.654E-01	1.863E-05	3.276E-04	2.318E-01
2.900E+04	3.544E-01	1.690E-14	1.793E-10	1.634E-05	3.120E-15	2.377E-01	1.215E-05	2.708E-04	2.459E-01
3.000E+04	3.705E-01	6.839E-15	9.026E-11	1.060E-05	5.113E-16	2.132E-01	7.933E-06	2.334E-04	2.598E-01
3.100E+04	3.846E-01	2.800E-15	4.952E-11	6.974E-06	2.006E-16	1.914E-01	5.202E-06	1.977E-04	2.669E-01
3.200E+04	3.970E-01	1.164E-15	2.351E-11	4.508E-06	8.000E-17	1.724E-01	3.435E-06	1.655E-04	2.794E-01
3.300E+04	4.079E-01	6.925E-16	1.222E-11	3.038E-06	3.246E-17	1.559E-01	2.282E-06	1.383E-04	2.879E-01
3.400E+04	4.175E-01	2.124E-16	6.644E-12	2.026E-06	1.344E-17	1.413E-01	1.533E-06	1.136E-04	2.953E-01
3.500E+04	4.261E-01	9.343E-17	3.644E-12	1.361E-06	5.671E-18	1.285E-01	1.036E-06	9.674E-05	3.017E-01
3.600E+04	4.339E-01	4.194E-17	1.868E-12	9.216E-07	2.439E-18	1.172E-01	7.110E-07	8.108E-05	3.072E-01
3.700E+04	4.439E-01	1.920E-17	1.027E-12	6.282E-07	1.067E-18	1.073E-01	6.918E-07	6.813E-05	3.119E-01
3.800E+04	4.475E-01	6.959E-18	5.725E-13	4.309E-07	6.766E-19	9.851E-02	9.437E-07	5.740E-05	3.150E-01
3.900E+04	4.533E-01	4.257E-18	3.230E-13	2.972E-07	2.140E-19	9.071E-02	2.428E-07	4.851E-05	3.190E-01
4.000E+04	4.594E-01	2.057E-18	1.843E-13	2.060E-07	9.773E-20	8.370E-02	1.733E-07	4.112E-05	3.214E-01
4.100E+04	4.651E-01	1.009E-18	1.062E-13	1.433E-07	6.51CE-20	7.750E-02	1.249E-07	3.498E-05	3.236E-01
4.200E+04	4.705E-01	5.024E-19	6.179E-14	9.999E-08	2.099E-20	7.202E-02	9.091E-08	2.995E-05	3.250E-01
4.300E+04	4.759E-01	2.535E-19	3.624E-14	6.992E-08	9.838E-21	6.701E-02	6.680E-08	2.556E-05	3.260E-01
4.400E+04	4.811E-01	1.205E-19	2.140E-14	4.897E-08					

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.370e-12	3.546e-06	2.472e-01	4.459e-13	2.280e-16	4.698e-17	0.	0.	0.	3.400e+03
3.317e-12	5.774e-36	2.449e-01	9.893e-13	7.399e-16	1.607e-16	0.	0.	0.	3.500e+03
7.628e-12	9.100e-06	2.457e-01	2.102e-12	2.253e-15	5.126e-16	0.	0.	0.	3.600e+03
1.674e-11	1.414e-05	2.446e-01	4.294e-12	6.464e-15	1.553e-15	0.	0.	0.	3.700e+03
3.516e-11	2.134e-05	2.437e-01	8.458e-12	1.757e-14	4.323e-15	0.	0.	0.	3.800e+03
7.093e-11	3.153e-05	2.424e-01	1.610e-11	4.542e-14	1.154e-14	0.	0.	0.	3.900e+03
1.379e-10	4.572e-05	2.418e-01	2.972e-11	1.212e-13	2.928e-14	0.	0.	0.	4.000e+03
2.587e-10	6.503e-05	2.395e-01	5.329e-11	2.644e-13	7.088e-14	0.	0.	0.	4.100e+03
4.700e-10	9.070e-05	2.377e-01	9.299e-11	6.016e-13	1.642e-13	0.	0.	0.	4.200e+03
8.263e-10	1.252e-04	2.358e-01	1.582e-10	1.314e-13	3.694e-13	0.	0.	0.	4.300e+03
1.419e-09	1.690e-04	2.337e-01	2.630e-10	2.702e-12	7.023e-13	0.	0.	0.	4.400e+03
2.365e-09	2.271e-04	2.314e-01	4.276e-10	5.692e-12	1.617e-12	0.	0.	0.	4.500e+03
3.846e-09	2.990e-04	2.290e-01	8.611e-10	1.130e-11	3.231e-12	0.	0.	0.	4.600e+03
6.106e-09	3.910e-04	2.264e-01	1.046e-09	2.100e-11	6.250e-12	0.	0.	0.	4.700e+03
9.461e-09	5.040e-04	2.237e-01	1.633e-09	4.097e-11	1.177e-11	0.	0.	0.	4.800e+03
1.441e-08	6.427e-04	2.208e-01	2.463e-09	7.509e-11	2.193e-11	0.	0.	0.	4.900e+03
2.147e-08	8.113e-04	2.177e-01	3.657e-09	1.345e-10	3.634e-11	0.	0.	0.	5.000e+03
4.907e-08	1.257e-03	2.113e-01	7.711e-09	4.601e-10	1.139e-10	0.	0.	0.	5.200e+03
8.835e-08	1.882e-03	2.046e-01	1.544e-08	1.123e-09	3.074e-10	0.	0.	0.	5.400e+03
1.628e-07	2.736e-03	1.976e-01	2.920e-08	2.911e-09	7.703e-10	0.	0.	0.	5.600e+03
2.839e-07	3.867e-03	1.906e-01	5.368e-08	7.090e-09	1.799e-09	0.	0.	0.	5.800e+03
4.707e-07	5.330e-03	1.836e-01	9.442e-08	1.033e-08	3.948e-09	0.	0.	0.	6.000e+03
7.438e-07	7.212e-03	1.767e-01	1.605e-07	3.574e-08	9.178e-09	2.935e-26	0.	0.	6.200e+03
1.135e-06	9.556e-03	1.699e-01	2.645e-07	7.578e-08	1.613e-08	2.342e-25	0.	0.	6.400e+03
1.664e-06	1.246e-02	1.623e-01	4.237e-07	1.500e-07	3.077e-08	1.658e-24	0.	0.	6.600e+03
2.363e-06	1.593e-02	1.569e-01	6.610e-07	2.894e-07	5.482e-08	1.052e-23	0.	0.	6.800e+03
3.259e-06	2.011e-02	1.508e-01	1.006e-06	5.389e-07	9.528e-08	6.037e-23	0.	0.	7.000e+03
4.381e-06	2.502e-02	1.444e-01	1.495e-06	9.704e-07	1.599e-07	3.154e-22	0.	0.	7.200e+03
5.734e-06	3.073e-02	1.382e-01	2.173e-06	1.694e-06	2.604e-07	1.511e-21	0.	0.	7.400e+03
7.406e-06	3.728e-02	1.320e-01	3.089e-06	2.870e-06	4.104e-07	6.670e-21	0.	0.	7.600e+03
9.360e-06	4.496e-02	1.256e-01	4.298e-06	4.729e-06	6.302e-07	2.734e-20	0.	0.	7.800e+03
1.164e-05	5.295e-02	1.190e-01	5.854e-06	7.587e-06	9.631e-07	1.043e-19	0.	0.	8.000e+03
1.427e-05	6.204e-02	1.123e-01	7.810e-06	1.187e-05	1.378e-06	3.723e-19	0.	0.	8.200e+03
1.726e-05	7.189e-02	1.054e-01	1.021e-05	1.812e-05	1.967e-06	1.246e-18	0.	0.	8.400e+03
2.044e-05	8.241e-02	9.827e-02	1.307e-05	2.703e-05	2.768e-06	3.942e-18	0.	0.	8.600e+03
2.443e-05	9.348e-02	9.104e-02	2.418e-05	4.104e-05	5.781e-05	1.178e-17	0.	0.	8.800e+03
2.862e-05	1.050e-01	8.373e-02	2.018e-05	5.633e-05	5.047e-06	3.339e-17	0.	0.	9.000e+03
3.252e-05	1.166e-01	7.642e-02	2.435e-05	7.883e-05	6.645e-06	9.008e-17	0.	0.	9.200e+03
3.831e-05	1.284e-01	6.920e-02	2.883e-05	1.082e-05	8.593e-06	2.319e-16	0.	0.	9.400e+03
4.383e-05	1.399e-01	6.217e-02	3.351e-05	1.450e-04	1.092e-05	5.711e-16	0.	0.	9.600e+03
4.900e-05	1.512e-01	5.542e-02	3.827e-05	1.930e-04	1.369e-05	1.349e-15	0.	0.	9.800e+03
5.623e-05	1.616e-01	4.902e-02	4.299e-05	2.514e-04	1.681e-05	3.065e-15	0.	0.	1.000e+04
5.946e-05	2.037e-01	4.148e-02	6.207e-05	7.807e-04	2.707e-05	1.115e-15	0.	0.	1.100e+04
1.441e-04	2.252e-01	3.162e-02	7.022e-05	1.763e-03	6.950e-05	2.082e-12	0.	0.	1.200e+04
2.061e-04	3.311e-01	5.075e-03	3.044e-05	3.444e-03	1.061e-03	2.405e-11	0.	0.	1.300e+04
2.720e-04	2.338e-01	2.457e-03	6.655e-05	5.995e-03	1.459e-04	1.944e-10	6.690e-25	0.	1.400e+04
3.309e-04	2.301e-01	1.259e-03	6.176e-05	9.399e-03	1.858e-04	1.190e-09	4.256e-23	0.	1.500e+04
4.013e-04	2.232e-01	6.766e-04	5.576e-05	1.435e-02	2.222e-04	5.827e-09	1.634e-21	0.	1.600e+04
4.539e-04	2.134e-01	3.775e-04	4.935e-05	2.031e-02	2.510e-04	2.378e-08	6.184e-20	0.	1.700e+04
4.989e-04	2.021e-01	2.162e-04	4.278e-05	2.760e-02	2.718e-04	8.333e-08	7.594e-19	0.	1.800e+04
5.100e-04	1.885e-01	1.259e-04	3.627e-05	3.345e-02	2.803e-04	2.569e-07	1.037e-17	0.	1.900e+04
5.098e-04	1.715e-01	7.372e-05	3.005e-05	4.421e-02	2.777e-04	7.101e-07	1.112e-16	0.	2.000e+04
4.913e-04	1.577e-01	6.329e-05	2.432e-05	5.333e-02	2.646e-04	1.787e-06	9.710e-16	0.	2.100e+04
4.577e-04	1.413e-01	2.536e-05	1.925e-05	6.267e-02	2.333e-04	4.148e-06	7.101e-15	0.	2.200e+04
4.135e-04	1.253e-01	1.606e-05	1.492e-05	7.130e-02	2.136e-04	8.973e-06	4.494e-14	0.	2.300e+04
3.630e-04	1.100e-01	8.592e-06	1.135e-05	7.954e-02	1.886e-04	1.825e-05	2.443e-13	0.	2.400e+04
3.124e-04	9.500e-02	6.972e-06	8.506e-06	8.699e-02	1.594e-04	3.914e-05	1.190e-12	0.	2.500e+04
2.634e-04	8.300e-02	4.873e-06	4.298e-06	9.359e-02	1.326e-04	6.495e-05	5.224e-12	0.	2.600e+04
2.109e-04	7.172e-02	1.662e-06	6.625e-06	9.919e-02	1.067e-04	1.137e-04	2.087e-11	0.	2.700e+04
1.802e-04	6.180e-02	9.649e-07	3.379e-06	1.039e-01	8.821e-05	1.928e-04	7.654e-11	0.	2.800e+04
1.474e-04	5.323e-02	6.637e-07	2.463e-06	1.078e-01	7.111e-05	3.160e-04	2.603e-10	0.	2.900e+04
1.203e-04	5.589e-02	3.320e-07	1.796e-06	1.110e-01	5.709e-05	5.022e-04	8.250e-10	0.	3.000e+04
9.834e-05	3.944e-02	1.975e-07	1.312e-06	1.134e-01	4.577e-05	7.702e-04	4.251e-09	0.	3.100e+04
8.070e-05	6.432e-02	1.167e-07	9.616e-07	1.136e-01	3.676e-05	1.169e-03	6.859e-09	0.	3.200e+04
6.661e-05	2.979e-02	7.207e-07	7.071e-07	1.165e-01	2.647e-05	1.719e-03	1.814e-08	0.	3.300e+04
5.941e-05	2.501e-02	4.624e-06	2.218e-06	1.172e-01	2.371e-05	2.470e-03	5.564e-08	0.	3.400e+04
4.631e-05	2.295e-02	2.761e-06	3.043e-07	1.174e-01	1.913e-05	3.477e-03	1.092e-07	0.	3.500e+04
3.942e-05	1.972e-02	1.714e-06	2.065e-07	1.170e-01	1.546e-05	4.708e-03	2.496e-07	5.114e-15	3.600e+04
3.375e-05	1.723e-02	1.079e-06	2.282e-07	1.161e-01	1.320e-05	6.466e-03	5.453e-07	2.264e-14	3.700e+04
2.919e-05	1.504e-02	6.829e-07	1.379e-07	1.165e-01	1.017e-05	8.961e-03	1.144e-06	9.292e-14	3.800e+04
2.590e-05	1.314e-02	6.319e-07	1.170e-07	1.123e-01	8.227e-06	1.112e-02	2.303e-06	3.540e-13	3.900e+04
2.249e-05	1.166e-02	2.762e-07	6.634e-06	1.095e-01	6.712e-06	1.616e-02	6.459e-06	1.258e-12	4.000e+04
2.062e-05	6.959e-03	1.759e-07	6.341e-06	1.041e-01	5.944e-06	1.770e-02	8.317e-06	4.185e-12	4.100e+04
1.790e-05	6.842e-03	1.110e-07	4.620e-06	1.020e-01	4.624e-06	2.172e-02	1.490e-05	1.307e-11	4.200e+04
1.624e-05	7.447e-03	7.088e-07	3.353e-06	9.739e-02	3.582e-06	2.617e-02	2.601e-05	3.850e-11	4.300e+04
1.470e-05	6.400e-03	4.676e-06	2.699e-06	9.231e-02	2.694e-06	3.098e-02	4.375e-05	1.072e-10	4.400e+04
1.353e-05	5.476e-03	2.814e-06	1.716e-06	8.666e-02	2.331e-06	3.600e-02	7.132e-05	2.031e-10	4.500e+04
1.249e-05	5.060e-03	1.700e-06	2.122e-06	8.115e-02	1.672e-06	4.131e-02	1.129e-04	7.110e-10	4.600e+04
1.130e-05	3.765e-03	1.096e-06	8.490e-06	7.532e-02	1.698e-06	4.660e-02	1.739e-04	1.707e-09	4.700e+04
1.067e-05	3.351e-03	6.700e-06	5.901e-06	6.946e-02	1.190e-06	5.183e-02	2.609e-04	3.923e-09	4.800e+04
9.931e-06	2.700e-03	4.188e-06	4.072e-06	5.372e-02	9.514e-07	5.690e-02	3.022e-04	6.651e-09	4.900e+04
9.271e-06	2.342e-03	2.576e-06	2.703e-06	5.017e-02	7.951e-07	6.173e-02	9.470e-04	1.839e-08	5.000e+04

TABLE II.- Continued

P/PO = 3.00E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	8.513E-01	1.131E-20	2.402E-35	2.934E-28	1.201E-22	1.115E-01	1.540E-10	6.709E-22
6.000E+02	0.	6.356E-01	3.293E-17	3.202E-29	5.880E-24	1.247E-18	2.733E-01	1.379E-10	2.040E-21
7.000E+02	0.	3.861E-01	8.007E-15	7.027E-29	6.236E-21	8.834E-16	4.604E-01	9.957E-19	8.767E-21
8.000E+02	0.	2.000E-01	4.013E-13	1.095E-21	8.845E-19	1.154E-13	4.000E-01	9.957E-19	1.490E-20
9.000E+02	0.	9.896E-02	7.318E-12	3.053E-19	3.484E-17	4.939E-12	6.750E-01	9.007E-19	8.767E-21
1.000E+03	0.	2.857E-02	4.244E-10	9.969E-16	6.022E-16	9.032E-11	7.116E-01	8.477E-10	2.446E-20
1.100E+03	0.	2.857E-02	4.244E-10	9.969E-16	5.968E-15	1.133E-09	7.206E-01	8.129E-10	3.742E-20
1.200E+03	0.	1.726E-02	1.889E-09	2.037E-14	3.991E-14	8.692E-09	7.371E-01	7.048E-10	5.360E-20
1.300E+03	0.	1.118E-02	6.633E-09	2.608E-13	1.982E-13	4.886E-08	7.616E-01	7.588E-10	7.256E-20
1.400E+03	0.	7.686E-03	1.940E-08	2.315E-12	7.832E-13	2.151E-07	7.442E-01	7.332E-10	9.369E-20
1.500E+03	1.102E-34	5.549E-03	4.908E-08	1.535E-11	2.579E-12	7.792E-07	7.455E-01	7.077E-10	1.163E-19
1.600E+03	2.377E-31	4.174E-03	1.105E-07	8.032E-11	7.331E-12	2.408E-06	7.469E-01	6.823E-10	1.309E-19
1.700E+03	2.111E-28	3.250E-03	2.294E-07	3.458E-10	1.847E-11	6.526E-06	7.476E-01	6.572E-10	1.630E-19
1.800E+03	8.949E-26	2.605E-03	4.263E-07	1.268E-09	4.210E-09	1.598E-07	7.486E-01	6.327E-10	1.875E-19
1.900E+03	2.032E-23	2.140E-03	7.525E-07	4.043E-09	8.817E-11	3.517E-05	7.484E-01	6.090E-10	2.100E-19
2.000E+03	2.706E-21	1.795E-03	1.255E-06	1.149E-08	1.718E-08	7.207E-05	7.386E-01	5.882E-10	2.341E-19
2.100E+03	1.879E-19	1.933E-03	1.993E-06	2.959E-08	3.149E-10	1.381E-04	7.487E-01	5.906E-10	3.119E-19
2.200E+03	2.924E-18	1.330E-03	0.033E-06	6.990E-08	5.470E-10	2.494E-04	7.488E-01	2.441E-10	1.234E-18
2.300E+03	2.046E-17	1.169E-03	4.456E-06	1.532E-07	9.070E-10	4.288E-04	7.487E-01	1.350E-17	7.590E-18
2.400E+03	1.145E-16	1.040E-03	6.335E-06	3.147E-07	1.446E-09	7.047E-04	7.486E-01	7.040E-17	4.354E-17
2.500E+03	9.487E-16	9.344E-04	8.755E-06	8.100E-06	2.217E-09	1.114E-03	7.483E-01	3.262E-16	2.203E-16
2.600E+03	2.331E-15	8.469E-04	1.180E-05	1.124E-06	3.298E-09	1.659E-03	7.479E-01	1.349E-15	9.875E-16
2.700E+03	8.912E-15	7.734E-04	1.555E-05	1.979E-06	4.762E-09	2.514E-03	7.472E-01	5.032E-15	3.970E-15
2.800E+03	3.102E-14	7.110E-04	2.008E-05	3.345E-06	6.704E-09	3.618E-03	7.463E-01	1.712E-14	1.448E-14
2.900E+03	9.924E-14	6.574E-04	2.546E-06	5.452E-06	9.224E-09	5.270E-03	7.450E-01	5.300E-14	4.833E-14
3.000E+03	2.942E-13	6.107E-04	3.175E-05	8.600E-06	1.242E-08	6.986E-03	7.434E-01	1.557E-13	1.493E-13
3.100E+03	8.143E-13	5.697E-04	3.900E-05	1.317E-05	1.640E-08	9.367E-03	7.413E-01	4.230E-13	4.290E-13
3.200E+03	2.117E-12	5.333E-04	4.724E-05	1.962E-05	2.120E-08	2.136E-02	7.307E-01	1.080E-12	1.190E-12
3.300E+03	5.200E-12	5.006E-04	5.650E-05	2.052E-05	2.715E-08	1.603E-02	7.359E-01	2.409E-12	2.934E-12
3.400E+03	1.213E-11	4.701E-04	6.476E-05	4.052E-05	3.412E-08	2.047E-02	7.317E-01	5.907E-12	7.061E-12
3.500E+03	2.696E-11	4.637E-04	7.800E-05	5.639E-05	4.226E-05	2.577E-02	7.270E-01	1.310E-11	1.617E-11
3.600E+03	5.730E-11	4.186E-10	9.018E-05	7.696E-05	5.164E-05	3.200E-02	7.216E-01	2.767E-11	3.540E-11
3.700E+03	1.173E-10	3.951E-04	1.032E-06	1.032E-06	6.230E-08	3.925E-02	7.152E-01	5.533E-11	7.433E-11
3.800E+03	2.310E-10	3.730E-04	1.171E-06	1.361E-04	7.426E-08	4.759E-02	7.079E-01	1.074E-10	1.502E-10
3.900E+03	4.396E-10	3.520E-04	1.315E-06	1.767E-06	8.751E-08	5.709E-02	6.996E-01	2.014E-10	2.927E-10
4.000E+03	8.104E-10	3.520E-04	1.446E-06	2.261E-06	1.020E-07	6.779E-02	6.902E-01	3.657E-10	5.521E-10
4.100E+03	1.459E-09	3.129E-04	1.619E-06	2.854E-06	1.176E-07	7.973E-02	6.797E-01	6.446E-10	1.010E-09
4.200E+03	2.525E-09	2.944E-04	1.773E-06	3.559E-06	1.343E-07	9.295E-02	6.681E-01	1.105E-09	1.795E-09
4.300E+03	4.286E-09	2.766E-04	1.931E-06	4.381E-06	1.513E-07	1.074E-01	6.554E-01	1.844E-09	3.1C5E-09
4.400E+03	7.096E-09	2.593E-04	2.085E-04	5.335E-06	1.701E-07	1.232E-01	6.415E-01	3.004E-09	5.240E-09
4.500E+03	1.149E-08	2.426E-04	2.239E-06	5.426E-06	1.888E-07	1.402E-01	6.206E-01	4.780E-09	8.630E-09
4.600E+03	1.823E-08	2.263E-04	2.379E-06	7.663E-06	2.078E-07	1.584E-01	6.104E-01	7.442E-09	1.309E-08
4.700E+03	2.834E-08	2.104E-04	2.915E-06	9.049E-06	2.266E-07	1.778E-01	5.935E-01	1.135E-08	2.209E-08
4.800E+03	4.329E-08	1.955E-04	2.642E-06	1.059E-03	2.452E-07	1.982E-01	5.755E-01	1.696E-08	3.408E-08
4.900E+03	6.486E-08	1.808E-04	2.756E-06	1.220E-03	2.632E-07	2.196E-01	5.567E-01	2.489E-08	5.183E-08
5.000E+03	9.536E-08	1.686E-04	2.858E-06	1.413E-03	2.803E-07	2.418E-01	5.377E-01	3.589E-08	7.767E-08
5.200E+03	1.188E-07	1.404E-04	3.018E-06	1.824E-03	3.110E-07	2.883E-01	6.960E-01	7.049E-08	1.669E-07
5.400E+03	3.904E-07	1.166E-04	3.114E-06	2.294E-06	3.354E-07	3.367E-01	5.433E-01	1.321E-07	3.311E-07
5.600E+03	7.300E-07	9.556E-05	3.145E-06	2.807E-03	3.524E-07	3.856E-01	5.130E-01	2.325E-07	6.302E-07
5.800E+03	1.306E-06	7.727E-05	3.114E-05	3.355E-03	3.618E-07	4.338E-01	3.671E-01	3.891E-07	1.144E-06
6.000E+03	2.242E-06	6.172E-05	3.027E-06	3.925E-03	4.635E-07	4.803E-01	3.256E-01	4.219E-07	1.988E-06
6.100E+03	3.710E-06	4.875E-05	4.984E-06	4.505E-03	5.581E-07	5.241E-01	2.863E-01	9.336E-07	3.322E-06
6.200E+03	5.931E-05	3.814E-05	5.731E-05	5.084E-03	5.464E-07	5.845E-01	2.497E-01	1.408E-06	5.350E-06
6.300E+03	9.226E-06	2.940E-05	2.542E-05	5.850E-03	5.309E-07	6.009E-01	2.168E-01	8.301E-06	8.367E-06
6.400E+03	1.393E-05	2.203E-05	2.342E-05	6.194E-03	5.117E-07	6.331E-01	1.864E-01	2.782E-06	1.269E-05
7.000E+03	2.358E-05	1.753E-05	2.137E-06	6.710E-03	5.902E-07	6.611E-01	1.606E-01	3.766E-06	1.873E-05
7.200E+03	2.969E-05	1.461E-05	1.970E-05	7.190E-03	6.275E-07	6.850E-01	1.377E-01	4.923E-06	2.690E-05
7.400E+03	4.199E-05	1.025E-05	1.742E-05	7.622E-03	5.446E-07	7.050E-01	1.179E-01	6.328E-06	3.802E-05
7.600E+03	5.282E-05	7.622E-05	1.539E-05	8.022E-03	2.215E-07	7.219E-01	1.008E-01	7.975E-06	5.269E-05
7.800E+03	7.975E-05	5.973E-05	1.389E-05	8.346E-03	1.982E-07	7.367E-01	8.632E-02	9.874E-06	7.113E-05
8.000E+03	1.070E-04	4.566E-06	1.232E-06	8.650E-03	1.779E-07	7.452E-01	7.397E-02	1.204E-05	9.476E-04
8.200E+03	1.611E-04	3.692E-06	1.090E-06	8.893E-03	1.577E-07	7.531E-01	6.349E-02	1.4677E-05	1.2639E-04
8.400E+03	1.856E-04	2.676E-06	8.601E-05	9.006E-03	1.389E-07	7.590E-01	5.462E-02	1.7177E-05	1.6077E-04
8.600E+03	2.400E-04	2.056E-04	8.430E-05	9.187E-03	1.215E-07	7.629E-01	4.710E-02	2.0157E-05	2.050E-04
8.800E+03	3.070E-04	1.579E-04	7.392E-05	9.246E-03	1.054E-07	7.656E-01	4.076E-02	2.340E-05	2.504E-04
9.000E+03	3.885E-04	1.217E-04	6.400E-05	9.241E-03	9.001E-08	7.666E-01	3.535E-02	2.893E-05	3.721E-04
9.200E+03	4.670E-04	9.391E-05	5.632E-05	9.181E-03	7.762E-08	7.667E-01	3.076E-02	3.074E-05	3.974E-04
9.400E+03	6.050E-04	7.266E-05	4.846E-05	9.045E-03	6.615E-08	7.664E-01	2.689E-02	3.684E-05	4.857E-04
9.600E+03	7.451E-04	5.631E-05	4.252E-05	8.900E-03	5.584E-08	7.667E-01	2.350E-02	3.924E-05	5.086F-04
9.800E+03	9.134E-04	4.376E-05	3.634E-05	8.688E-03	4.688E-08	7.629E-01	2.076E-02	4.306E-05	5.077E-04
1.000E+04	1.104E-03	3.409E-05	3.187E-05	8.440E-03	3.905E-08	7.609E-01	1.835E-02	4.897E-05	5.448E-04
1.230E+03	9.374E-03	3.409E-08	7.677E-06	5.261E-03	5.330E-09	7.612E-01	6.566E-03	1.210E-06	3.692E-03
1.300E+04	9.130E-03	1.259E-08	3.820E-06	3.981E-03	1.999E-09	7.331E-01	4.305E-03	1.700E-06	4.640E-03
1.400E+04	1.078E-02	5.103E-09	2.049E-06	3.030E-03	7.971E-10	7.232E-01	3.040E-03	2.376E-06	1.106E-02
1.500E+04	2.666E-02	2.221E-09	1.164E-06	2.325E-03	7.365E-10	7.098E-01	2.190E-03	3.095E-06	1.729E-02
1.600E+04	3.937E-02	1.015E-09	6.597E-07	1.791E-03	1.402E-10	6.921E-01	1.804E-03	4.602E-06	5.598E-02
1.700E+04	5.970E-02								

TABLE II.- Continued

P/PO = 3.00E+02

N-	N	N2	N2+	N0	N-	N0+	N0++	N000	T
0.	0.	3.717E-02	7.400E-21	0.	0.	0.	0.	0.	5.000E+02
0.	3.	9.110E-02	1.185E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.535E-01	1.917E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.160E-30	2.000E-01	1.774E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.240E-26	2.252E-01	2.032E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.432E-26	2.372E-01	2.799E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.379E-21	2.429E-01	2.562E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.071E-19	2.437E-01	2.709E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.265E-18	2.472E-01	2.97E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.009E-16	2.481E-01	3.24E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.555E-15	2.496E-01	3.230E-20	7.340E-31	0.	0.	0.	0.	1.500E+03
3.629E-34	1.712E-14	2.490E-01	3.302E-20	4.950E-30	0.	0.	0.	0.	1.600E+03
5.461E-31	1.422E-13	2.492E-01	3.344E-20	2.652E-29	0.	0.	0.	0.	1.700E+03
3.676E-29	9.363E-13	2.453E-01	3.362E-20	1.173E-28	0.	0.	0.	0.	1.800E+03
1.254E-25	5.050E-12	2.495E-01	3.360E-20	4.410E-28	0.	0.	0.	0.	1.900E+03
2.390E-23	2.300E-11	2.495E-01	3.353E-20	1.495E-27	0.	0.	0.	0.	2.000E+03
2.290E-21	9.127E-11	2.496E-01	4.053E-20	5.187E-27	4.535E-29	0.	0.	0.	2.100E+03
4.765E-20	3.187E-10	2.496E-01	1.470E-19	5.020E-26	2.286E-27	0.	0.	0.	2.200E+03
4.357E-19	9.980E-10	2.497E-01	9.320E-19	6.904E-25	4.604E-26	0.	0.	0.	2.300E+03
3.092E-18	2.047E-09	2.496E-01	6.429E-18	6.602E-24	6.902E-25	0.	0.	0.	2.400E+03
1.800E-17	7.467E-09	2.496E-01	2.092E-17	8.527E-23	8.000E-24	0.	0.	0.	2.500E+03
9.293E-7	1.820E-08	2.496E-01	8.002E-17	7.217E-22	7.000E-23	0.	0.	0.	2.600E+03
4.220E-16	4.152E-06	2.495E-01	3.330E-16	5.225E-21	6.302E-22	0.	0.	0.	2.700E+03
1.725E-15	6.934E-06	2.494E-01	1.193E-15	3.291E-20	4.459E-21	0.	0.	0.	2.800E+03
6.375E-15	1.824E-07	2.492E-01	3.663E-15	1.820E-19	2.730E-20	0.	0.	0.	2.900E+03
2.157E-14	3.551E-07	2.490E-01	1.079E-16	9.077E-19	1.679E-19	0.	0.	0.	3.000E+03
6.735E-14	8.625E-07	2.487E-01	2.972E-16	6.049E-18	7.176E-19	0.	0.	0.	3.100E+03
1.950E-13	1.181E-06	2.483E-01	7.692E-16	1.644E-17	3.191E-18	0.	0.	0.	3.200E+03
5.315E-13	2.059E-06	2.470E-01	1.883E-15	6.254E-17	1.263E-17	0.	0.	0.	3.300E+03
1.380E-12	3.452E-06	2.473E-01	4.376E-15	2.178E-16	4.600E-17	0.	0.	0.	3.400E+03
3.290E-12	5.621E-06	2.466E-01	9.714E-15	7.071E-16	1.594E-16	0.	0.	0.	3.500E+03
7.500E-12	9.604E-06	2.458E-01	2.065E-12	5.153E-15	5.003E-16	0.	0.	0.	3.600E+03
1.600E-11	1.370E-05	2.445E-01	4.219E-12	6.180E-15	1.920E-15	0.	0.	0.	3.700E+03
3.487E-11	2.070E-05	2.438E-01	8.311E-14	1.680E-14	4.200E-15	0.	0.	0.	3.800E+03
7.036E-11	3.072E-05	2.420E-01	1.503E-11	6.344E-14	1.144E-14	0.	0.	0.	3.900E+03
1.367E-10	6.452E-05	2.412E-01	2.922E-11	1.072E-13	2.903E-14	0.	0.	0.	4.000E+03
2.507E-10	8.339E-05	2.397E-01	5.240E-11	2.534E-13	7.027E-14	0.	0.	0.	4.100E+03
4.664E-10	8.861E-05	2.380E-01	9.147E-11	5.750E-13	1.623E-13	0.	0.	0.	4.200E+03
8.221E-10	1.220E-04	2.361E-01	1.593E-10	1.260E-12	3.622E-13	0.	0.	0.	4.300E+03
1.400E-09	1.659E-06	2.341E-01	2.341E-10	2.662E-12	7.757E-13	0.	0.	0.	4.400E+03
2.349E-09	2.213E-06	2.319E-01	4.209E-10	5.400E-12	1.003E-12	0.	0.	0.	4.500E+03
3.821E-08	2.921E-06	2.295E-01	6.700E-10	1.042E-11	3.204E-12	0.	0.	0.	4.600E+03
6.000E-06	3.810E-06	2.265E-01	1.048E-09	2.037E-11	6.204E-12	0.	0.	0.	4.700E+03
9.424E-09	4.912E-06	2.242E-01	1.600E-09	3.922E-11	1.160E-11	0.	0.	0.	4.800E+03
1.434E-08	8.264E-06	2.214E-01	2.424E-09	7.109E-11	2.137E-11	0.	0.	0.	4.900E+03
2.130E-04	7.909E-06	2.184E-01	3.603E-09	1.207E-10	5.811E-11	0.	0.	0.	5.000E+03
6.493E-03	1.226E-03	2.121E-01	5.599E-09	3.860E-10	1.127E-10	0.	0.	0.	5.100E+03
8.821E-03	1.830E-03	2.095E-01	1.519E-08	1.075E-09	3.051E-10	0.	0.	0.	5.200E+03
1.629E-07	2.664E-03	1.984E-01	2.890E-08	2.700E-09	7.661E-10	0.	0.	0.	5.300E+03
2.845E-07	3.774E-03	1.914E-01	5.201E-08	6.704E-09	1.791E-09	0.	0.	0.	5.400E+03
4.725E-07	5.211E-03	1.846E-01	9.305E-08	1.562E-08	3.932E-09	0.	0.	0.	5.500E+03
7.902E-07	7.041E-03	1.777E-01	3.419E-08	3.160E-08	2.740E-08	0.	0.	0.	5.600E+03
1.144E-06	9.329E-03	1.710E-01	2.605E-07	7.147E-08	1.609E-08	2.191E-25	0.	0.	6.400E+03
1.681E-06	1.215E-02	1.644E-01	4.172E-07	1.433E-07	3.031E-07	1.550E-24	0.	0.	6.500E+03
2.391E-06	1.956E-02	1.579E-01	6.500E-07	2.764E-07	5.470E-08	6.826E-24	0.	0.	6.600E+03
3.303E-06	1.962E-02	1.519E-01	9.899E-07	5.143E-07	9.519E-08	5.632E-23	0.	0.	7.000E+03
4.447E-06	2.446E-02	1.454E-01	1.471E-06	9.250E-07	1.599E-07	2.941E-22	0.	0.	7.500E+03
5.850E-06	3.062E-02	1.392E-01	2.130E-06	1.610E-06	2.601E-07	1.404E-21	0.	0.	7.600E+03
7.939E-06	3.663E-02	1.330E-01	3.039E-06	2.777E-06	6.107E-07	6.217E-21	0.	0.	7.600E+03
9.340E-06	4.367E-02	1.260E-01	4.229E-06	5.510E-06	3.310E-07	2.504E-20	0.	0.	7.600E+03
1.180E-05	5.176E-02	1.201E-01	5.743E-06	7.230E-06	6.037E-07	7.104E-20	0.	0.	8.000E+03
1.497E-05	6.067E-02	1.130E-01	7.693E-06	1.132E-05	1.301E-06	3.466E-19	0.	0.	8.200E+03
1.764E-05	7.034E-02	1.065E-01	1.000E-05	1.730E-05	1.973E-06	1.162E-18	0.	0.	8.400E+03
2.111E-05	8.046E-02	9.945E-02	1.290E-05	2.582E-05	2.759E-05	3.673E-18	0.	0.	8.600E+03
2.499E-05	9.160E-02	9.227E-02	1.621E-05	3.750E-05	3.770E-06	1.098E-17	0.	0.	8.800E+03
2.930E-05	1.028E-01	9.500E-02	1.990E-05	5.387E-05	5.075E-06	3.113E-17	0.	0.	9.000E+03
3.405E-05	1.145E-01	7.773E-02	2.415E-05	7.344E-05	6.649E-06	6.409E-17	0.	0.	9.200E+03
3.923E-05	1.262E-01	7.059E-02	2.065E-05	1.037E-04	8.660E-06	2.100E-16	0.	0.	9.400E+03
4.492E-05	1.373E-01	6.331E-02	3.330E-05	1.398E-04	1.102E-05	5.361E-16	0.	0.	9.600E+03
5.105E-05	1.489E-01	5.676E-02	3.821E-05	1.854E-04	1.370E-05	1.203E-15	0.	0.	9.800E+03
5.764E-05	1.596E-01	5.031E-02	4.301E-05	2.417E-04	1.700E-05	2.872E-15	0.	0.	1.000E+04
6.706E-05	2.020E-01	2.911E-02	6.200E-05	7.351E-04	3.940E-05	1.050E-13	0.	0.	1.000E+04
7.300E-05	2.243E-01	1.534E-02	7.161E-05	1.710E-03	1.904E-05	1.947E-12	0.	0.	1.000E+04
8.117E-05	2.327E-01	9.330E-03	7.210E-05	3.347E-03	1.080E-04	2.276E-11	0.	0.	1.000E+04
2.794E-04	2.333E-01	2.593E-03	6.876E-05	5.834E-03	1.449E-04	1.041E-10	6.110E-25	0.	1.000E+04
3.407E-04	2.333E-01	1.331E-03	6.354E-05	8.340E-03	1.911E-04	1.127E-09	3.923E-23	0.	1.000E+04
4.134E-04	2.237E-01	7.174E-04	5.750E-05	1.399E-02	2.290E-04	5.523E-09	1.510E-21	0.	1.000E+04
4.600E-04	2.146E-01	4.014E-04	5.100E-05	1.981E-02	2.800E-04	2.250E-08	3.055E-20	0.	1.000E+04
5.070E-04	2.032E-01	2.369E-04	4.631E-05	2.675E-02	2.813E-04	7.902E-08	9.900E-19	0.	1.000E+04
5.284E-04	1.999E-01	1.344E-04	3.760E-05	3.463E-02	2.911E-04	2.437E-07	9.300E-18	0.	1.000E+04
5.705E-04	1.751E-01	7.920E-05	3.133E-05	6.324E-02	2.891E-04	6.730E-07	1.023E-16	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
2.100E+04	1.513E-01	2.334E-11	4.137E-08	4.249E-04	2.711E-12	5.356E-01	3.264E-09	6.363E-09	9.915E-02
2.200E+04	1.798E-01	1.046E-11	2.273E-08	3.023E-06	1.157E-12	4.950E-01	2.790E-09	6.314E-04	1.100E-01
2.300E+04	2.085E-01	4.580E-12	1.221E-08	2.109E-04	4.810E-13	4.538E-01	1.501E-04	4.073E-04	1.384E-01
2.400E+04	2.366E-01	1.953E-12	6.431E-09	1.444E-06	1.950E-13	4.131E-01	1.075E-04	9.677E-04	1.502E-01
2.500E+04	2.634E-01	8.198E-13	3.320E-09	9.733E-05	7.767E-14	3.740E-01	7.212E-05	9.175E-04	1.774E-01
2.600E+04	2.883E-01	3.350E-13	1.699E-09	6.479E-05	3.030E-14	3.372E-01	4.787E-05	4.617E-04	1.937E-01
2.700E+04	3.112E-01	1.362E-13	8.597E-10	6.273E-05	1.174E-14	3.331E-01	3.154E-05	4.049E-04	2.127E-01
2.800E+04	3.318E-01	5.514E-14	4.332E-10	2.803E-05	4.536E-15	2.722E-01	2.069E-05	3.493E-04	2.203E-01
2.900E+04	3.501E-01	2.235E-14	2.104E-10	1.835E-05	1.750E-15	2.446E-01	1.353E-05	2.983E-04	2.424E-01
3.000E+04	3.664E-01	9.124E-15	1.107E-10	1.202E-05	8.869E-16	2.197E-01	8.889E-04	2.526E-04	2.591E-01
3.100E+04	3.807E-01	3.765E-15	5.655E-11	7.899E-06	2.717E-16	1.978E-01	5.854E-06	2.128E-04	2.643E-01
3.200E+04	3.933E-01	1.577E-15	2.910E-11	5.210E-06	1.091E-17	1.708E-01	3.877E-06	1.708E-04	2.762E-01
3.300E+04	4.049E-01	6.715E-16	1.926E-11	3.466E-06	6.462E-17	1.618E-01	2.357E-06	1.497E-04	2.849E-01
3.400E+04	4.163E-01	2.913E-16	8.071E-12	2.319E-06	1.058E-17	1.466E-01	1.761E-06	1.254E-04	2.929E-01
3.500E+04	4.230E-01	1.209E-16	4.333E-12	1.562E-06	7.885E-18	1.335E-01	1.183E-06	1.051E-04	2.991E-01
3.600E+04	4.339E-01	5.815E-17	2.359E-12	1.061E-06	3.404E-18	1.219E-01	8.117E-07	8.028E-05	3.047E-01
3.700E+04	4.381E-01	2.675E-17	1.303E-12	7.246E-07	1.499E-18	1.117E-01	5.624E-07	7.631E-05	3.098E-01
3.800E+04	4.468E-01	1.254E-17	7.285E-13	4.985E-07	6.702E-19	1.027E-01	3.940E-07	6.271E-05	3.134E-01
3.900E+04	4.510E-01	5.985E-18	4.125E-13	3.449E-07	5.034E-19	9.462E-02	2.708E-07	5.307E-05	3.170E-01
4.000E+04	4.570E-01	2.904E-18	2.362E-13	2.399E-07	1.395E-19	8.745E-02	1.993E-07	4.505E-05	3.197E-01
4.100E+04	4.627E-01	1.336E-18	1.632E-13	1.671E-07	6.475E-20	8.104E-02	1.439E-07	3.037E-05	3.219E-01
4.200E+04	4.682E-01	7.117E-19	7.974E-14	1.169E-07	3.031E-20	7.529E-02	1.049E-07	3.279E-05	3.239E-01
4.300E+04	4.736E-01	3.426E-19	4.653E-14	8.201E-08	1.629E-20	7.010E-02	7.716E-08	2.811E-05	3.267E-01
4.400E+04	4.788E-01	1.859E-19	2.762E-14	5.761E-08	6.772E-21	6.541E-02	5.720E-08	2.418E-05	3.256E-01
4.500E+04	4.843E-01	9.638E-20	1.660E-14	4.052E-08	3.225E-21	6.116E-02	4.290E-08	2.087E-05	3.250E-01
4.600E+04	4.894E-01	5.946E-20	5.986E-15	2.859E-08	1.542E-21	5.730E-02	3.240E-08	1.807E-05	3.259E-01
4.700E+04	4.938E-01	2.671E-19	6.015E-15	2.010E-08	7.399E-22	5.377E-02	2.466E-08	1.570E-05	3.259E-01
4.800E+04	4.984E-01	1.427E-20	3.651E-15	1.617E-08	3.559E-22	5.059E-02	1.892E-08	1.264E-05	3.259E-01
4.900E+04	5.028E-01	7.693E-21	2.224E-16	1.000E-08	1.710E-22	4.703E-02	1.462E-08	1.198E-05	3.259E-01
5.000E+04	5.070E-01	4.186E-21	1.360E-15	7.067E-09	8.329E-23	4.489E-02	1.138E-08	1.052E-05	3.249E-01

P/P0 = 4.00E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
5.000E+02	0.	8.568E-01	1.120E-20	2.346E-35	2.343E-28	1.157E-22	1.089E-01	1.571E-18	6.630E-22
6.000E+02	0.	6.428E-01	3.278E-17	3.217E-29	5.947E-26	1.203E-18	2.670E-01	1.385E-18	2.017E-21
7.000E+02	0.	3.969E-01	8.040E-16	6.926E-25	6.370E-21	8.550E-16	6.538E-01	1.169E-18	4.626E-21
8.000E+02	0.	2.049E-01	6.064E-13	1.086E-21	9.155E-19	1.120E-13	5.940E-01	1.002E-18	8.367E-21
9.000E+02	0.	1.032E-01	7.655E-12	3.039E-19	3.633E-17	4.803E-17	6.726E-01	9.045E-19	1.462E-19
1.000E+03	0.	5.358E-02	7.103E-13	2.635E-17	6.307E-16	9.571E-11	7.008E-01	8.502E-19	2.394E-20
1.100E+03	0.	2.999E-02	4.654E-10	5.655E-14	1.036E-15	1.103E-09	7.379E-01	6.149E-19	3.659E-20
1.200E+03	0.	1.814E-02	1.933E-09	2.036E-14	6.194E-16	8.646E-09	7.364E-01	7.887E-19	5.239E-20
1.300E+03	0.	1.176E-02	4.000E-09	2.607E-13	2.084E-13	4.761E-09	7.612E-01	7.808E-19	7.399E-20
1.400E+03	0.	8.046E-03	1.889E-08	2.315E-12	2.096E-12	2.439E-08	7.355E-01	9.162E-19	10.220E-20
1.500E+03	1.743E-36	3.638E-03	5.034E-08	1.533E-11	2.713E-12	7.594E-07	6.765E-01	7.103E-19	1.130E-19
1.600E+03	2.164E-31	6.392E-03	1.133E-07	8.036E-11	7.710E-12	2.367E-06	7.667E-01	6.052E-19	1.349E-19
1.700E+03	1.499E-28	3.620E-03	2.916E-07	3.645E-10	1.946E-11	6.342E-08	7.674E-01	6.807E-19	1.404E-19
1.800E+03	8.452E-26	2.742E-03	4.373E-07	1.266E-09	4.630E-11	1.546E-08	7.679E-01	6.363E-19	1.838E-19
1.900E+03	1.914E-23	2.252E-03	7.720E-07	6.642E-09	9.270E-11	3.426E-08	7.643E-01	6.129E-19	2.048E-19
2.000E+03	2.553E-21	1.890E-03	1.207E-06	1.149E-08	1.808E-10	7.025E-08	7.642E-01	5.9422E-19	2.290E-19
2.100E+03	1.747E-19	1.614E-03	2.045E-06	2.595E-08	3.314E-10	1.346E-06	7.647E-01	6.894E-19	5.0162E-19
2.200E+03	2.427E-16	1.400E-03	3.114E-06	6.991E-08	5.757E-10	2.633E-06	7.648E-01	2.790E-16	1.184E-16
2.300E+03	2.001E-17	1.231E-03	4.572E-06	1.532E-07	9.496E-08	4.180E-06	7.687E-01	1.323E-17	7.248E-16
2.400E+03	1.110E-16	1.059E-03	6.499E-06	1.347E-06	1.520E-09	8.869E-06	7.688E-01	6.897E-17	4.158E-17
2.500E+03	5.317E-16	8.035E-04	8.982E-04	6.1005E-07	2.333E-09	1.085E-03	7.649E-01	3.197E-16	2.104E-16
2.600E+03	2.259E-15	6.114E-04	1.210E-05	1.124E-06	3.670E-09	1.656E-03	7.679E-01	1.932E-15	9.437E-16
2.700E+03	8.635E-15	8.162E-04	1.395E-05	1.979E-06	9.013E-09	2.451E-03	7.672E-01	6.056E-15	3.7662E-15
2.800E+03	3.005E-03	7.485E-04	2.040E-06	3.365E-06	7.059E-09	3.527E-03	7.663E-01	1.6709E-14	1.384E-16
2.900E+03	9.613E-16	6.921E-04	2.612E-05	5.653E-06	9.711E-09	4.950E-03	7.451E-01	9.259E-14	6.626E-16
3.000E+03	2.844E-13	6.631E-04	3.258E-05	6.061E-06	1.304E-08	6.792E-03	7.435E-01	1.527E-13	1.622E-13
3.100E+03	7.881E-13	6.030E-04	4.002E-05	1.317E-05	1.327E-08	9.131E-03	7.615E-01	6.153E-13	6.105E-13
3.200E+03	2.049E-12	5.617E-04	4.849E-05	1.662E-05	2.761E-08	1.202E-02	7.390E-01	1.061E-12	1.104E-12
3.300E+03	5.030E-12	5.273E-04	5.800E-05	2.053E-05	3.868E-08	1.563E-02	7.359E-01	2.506E-12	2.809E-12
3.400E+03	1.173E-11	4.962E-04	6.834E-05	6.054E-05	3.596E-08	1.946E-02	7.321E-01	8.886E-12	6.7627E-12
3.500E+03	2.607E-11	6.677E-04	8.010E-05	5.661E-05	6.453E-08	2.512E-02	7.270E-01	1.289E-11	1.549E-11
3.600E+03	5.567E-11	6.413E-04	9.202E-05	7.701E-05	5.663E-08	3.120E-02	7.223E-01	2.702E-11	3.393E-11
3.700E+03	1.134E-10	6.167E-04	1.046E-04	1.031E-04	6.568E-08	3.828E-02	7.161E-01	5.664E-11	7.125E-11
3.800E+03	2.233E-10	3.938E-04	1.773E-04	1.362E-04	7.693E-08	6.662E-02	7.089E-01	1.057E-10	1.660E-10
3.900E+03	4.246E-10	3.716E-04	1.392E-04	1.769E-04	9.294E-08	5.939E-02	7.009E-01	1.903E-10	2.807E-10
4.000E+03	7.031E-10	3.507E-04	1.507E-04	2.264E-04	1.077E-07	6.814E-02	6.916E-01	3.603E-10	9.296E-10
4.100E+03	1.401E-09	3.307E-04	1.686E-04	2.859E-04	1.263E-07	7.781E-02	6.814E-01	6.356E-10	6.886E-10
4.200E+03	2.439E-09	3.114E-04	1.828E-04	3.365E-04	1.620E-07	9.073E-02	7.701E-01	1.009E-09	1.727E-09
4.300E+03	6.139E-09	2.928E-04	1.966E-04	4.392E-04	1.606E-07	1.049E-01	6.976E-01	1.820E-09	2.987E-09
4.400E+03	6.496E-09	2.768E-04	2.149E-04	5.349E-04	1.800E-07	1.203E-01	6.646E-01	2.966E-09	5.037E-09
4.500E+03	1.113E-08	2.573E-04	2.309E-04	6.666E-04	2.006E-07	1.370E-01	6.294E-01	4.722E-09	6.297E-09
4.600E+03	1.761E-08	2.403E-04	2.456E-04	7.693E-04	2.202E-07	1.546E-01	6.137E-01	7.355E-09	1.310E-08
4.700E+03	2.730E-08	2.239E-04	2.599E-04	9.066E-04	2.409E-07	1.730E-01	5.970E-01	1.122E-08	2.113E-08
4.800E+03	4.179E-08	2.001E-04	2.731E-04	1.044E-03	2.609E-07	1			

TABLE II.- Continued

N-	N	N2	N2+	N0	N-	N00	N000	N0000	T
5.118E-04	1.594E-01	4.679E-05	2.944E-05	5.227E-02	2.764E-04	1.698E-06	8.927E-14	0.	2.100E+04
6.784E-04	1.534E-01	2.757E-05	2.024E-05	6.132E-02	2.552E-04	3.939E-06	6.523E-15	0.	2.200E+04
4.337E-04	1.275E-01	1.617E-05	1.970E-05	7.011E-02	2.284E-04	6.525E-06	4.080E-14	0.	2.300E+04
3.827E-04	1.123E-01	9.449E-06	1.205E-05	7.834E-02	1.998E-04	1.735E-05	2.240E-13	0.	2.400E+04
3.301E-04	9.818E-02	5.501E-06	9.070E-06	8.593E-02	1.653E-04	3.343E-05	1.091E-12	0.	2.500E+04
2.796E-04	8.532E-02	3.198E-06	6.747E-06	9.244E-02	1.614E-04	6.164E-05	4.782E-12	0.	2.600E+04
2.311E-04	7.306E-02	1.866E-06	4.974E-06	9.819E-02	1.165E-04	1.052E-04	1.999E-11	0.	2.700E+04
1.925E-04	6.301E-02	1.306E-06	3.691E-06	1.030E-01	9.468E-05	1.835E-04	6.999E-11	0.	2.800E+04
1.580E-04	5.510E-02	6.376E-06	2.672E-06	1.070E-01	7.675E-05	3.006E-04	2.373E-10	0.	2.900E+04
1.294E-04	4.762E-02	3.773E-07	1.955E-06	1.103E-01	6.183E-05	4.782E-04	7.525E-10	0.	3.000E+04
1.041E-04	4.121E-02	2.253E-07	1.433E-06	1.129E-01	5.972E-05	7.392E-04	2.234E-09	0.	3.100E+04
8.728E-05	3.575E-02	1.359E-07	1.053E-06	1.148E-01	5.998E-05	1.113E-03	6.248E-09	0.	3.200E+04
7.220E-05	3.100E-02	8.283E-08	7.764E-07	1.162E-01	3.216E-05	1.037E-03	1.633E-08	0.	3.300E+04
6.019E-05	2.704E-02	5.101E-08	5.744E-07	1.170E-01	2.595E-05	2.354E-03	6.153E-08	0.	3.400E+04
4.062E-05	2.365E-02	3.171E-08	4.240E-07	1.173E-01	2.098E-05	3.313E-03	9.939E-08	0.	3.500E+04
4.297E-05	2.060E-02	1.988E-08	3.171E-07	1.176E-01	1.700E-05	4.367E-03	2.271E-07	4.438E-15	3.600E+04
3.085E-05	1.809E-02	1.250E-08	2.361E-07	1.182E-01	1.300E-05	6.171E-03	4.967E-07	1.964E-14	3.700E+04
3.192E-05	1.564E-02	7.974E-09	1.757E-07	1.148E-01	1.122E-05	8.178E-03	1.042E-06	8.062E-14	3.800E+04
2.792E-05	1.385E-02	5.008E-09	1.300E-07	1.124E-01	9.137E-06	1.036E-02	2.098E-06	3.073E-13	3.900E+04
2.449E-05	1.209E-02	3.248E-09	9.671E-08	1.101E-01	7.644E-06	1.353E-02	4.067E-06	1.093E-12	4.000E+04
2.196E-05	1.053E-02	2.076E-09	7.129E-08	1.064E-01	6.057E-06	1.698E-02	7.595E-06	1.639E-12	4.100E+04
1.972E-05	9.159E-03	1.226E-09	9.224E-08	1.029E-01	4.929E-06	2.067E-02	1.309E-05	1.139E-11	4.200E+04
1.764E-05	7.911E-03	8.442E-10	3.801E-08	9.846E-02	3.998E-06	2.519E-02	2.303E-05	3.358E-11	4.300E+04
1.622E-05	6.314E-03	5.357E-10	2.744E-08	9.355E-02	3.237E-04	7.989E-02	4.016E-05	9.364E-11	4.400E+04
1.488E-05	5.064E-03	3.385E-10	1.945E-08	8.024E-02	2.615E-04	3.488E-02	6.561E-05	2.978E-10	4.500E+04
1.370E-05	4.980E-03	2.120E-10	1.399E-08	8.265E-02	2.105E-04	4.002E-02	1.041E-04	6.762E-10	4.600E+04
1.267E-05	4.237E-03	1.332E-10	5.820E-09	7.090E-02	1.690E-03	4.526E-02	1.046E-04	1.911E-09	4.700E+04
1.178E-05	3.584E-03	8.297E-11	8.806E-09	7.112E-02	1.353E-04	5.046E-02	2.014E-04	3.659E-09	4.800E+04
1.096E-05	3.319E-03	9.147E-11	4.759E-09	8.942E-02	1.079E-06	9.553E-02	3.547E-04	7.639E-09	4.900E+04
1.023E-05	2.534E-03	3.102E-11	3.201E-09	5.989E-02	8.591E-07	6.034E-02	9.093E-04	1.026E-08	5.000E+04

P/PO = 6.00E+02

N-	N	N2	N2+	N0	N-	N00	N000	N0000	T
0.	0.	3.630E-02	7.501E-21	0.	0.	0.	0.	0.	7.000E+02
0.	0.	8.029E-02	1.196E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.513E-01	1.527E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.037E-30	1.903E-01	1.704E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.213E-26	2.242E-01	2.040E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.235E-26	2.366E-01	2.305E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.343E-21	2.625E-01	2.566E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.044E-19	2.953E-01	2.794E-20	0.	0.	0.	0.	0.	1.200E+03
0.	6.153E-18	2.971E-01	2.985E-20	0.	0.	0.	0.	0.	1.300E+03
0.	9.700E-17	2.600E-01	3.133E-20	4.050E-03	0.	0.	0.	0.	1.400E+03
0.	1.516E-15	2.405E-01	3.243E-20	7.104E-31	0.	0.	0.	0.	1.500E+03
3.520E-34	1.669E-14	2.499E-01	3.317E-20	4.044E-30	0.	0.	0.	0.	1.600E+03
3.295E-31	1.207E-13	2.691E-01	3.361E-20	2.396E-29	0.	0.	0.	0.	1.700E+03
3.560E-26	9.125E-13	2.693E-01	3.381E-20	1.100E-28	0.	0.	0.	0.	1.800E+03
1.216E-25	6.927E-12	2.694E-01	3.381E-20	6.330E-28	0.	0.	0.	0.	1.900E+03
2.319E-23	2.250E-11	2.695E-01	3.376E-20	1.429E-27	0.	0.	0.	0.	2.000E+03
2.240E-21	8.096E-11	2.696E-01	6.000E-20	5.030E-27	4.424E-29	0.	0.	0.	2.100E+03
4.718E-20	3.100E-10	2.696E-01	1.044E-19	4.015E-26	3.204E-27	0.	0.	0.	2.200E+03
6.336E-15	9.733E-10	2.696E-01	6.152E-19	6.670E-25	4.667E-26	0.	0.	0.	2.300E+03
3.036E-10	2.773E-09	2.696E-01	4.330E-18	8.004E-24	6.867E-25	0.	0.	0.	2.400E+03
1.709E-17	7.260E-09	2.696E-01	2.050E-17	1.646E-23	9.036E-24	0.	0.	0.	2.500E+03
0.240E-17	1.774E-08	2.696E-01	8.620E-17	8.895E-22	7.755E-23	0.	0.	0.	2.600E+03
4.203E-16	4.047E-08	2.696E-01	3.277E-16	6.994E-21	6.324E-22	0.	0.	0.	2.700E+03
1.716E-15	8.700E-08	2.696E-01	1.131E-15	3.146E-20	4.634E-21	0.	0.	0.	2.800E+03
6.313E-15	1.777E-07	2.695E-01	3.599E-15	1.746E-19	2.712E-20	0.	0.	0.	2.900E+03
2.142E-14	3.661E-13	2.695E-01	1.059E-14	6.682E-19	1.466E-19	0.	0.	0.	3.000E+03
0.659E-14	6.595E-07	2.695E-01	2.917E-14	3.899E-18	7.123E-19	0.	0.	0.	3.100E+03
1.942E-13	1.159E-14	2.693E-01	7.954E-14	1.392E-17	3.120E-18	0.	0.	0.	3.200E+03
2.770E-13	2.007E-06	2.679E-01	1.864E-13	5.967E-17	1.256E-17	0.	0.	0.	3.300E+03
1.309E-12	3.369E-06	2.673E-01	6.301E-13	2.005E-16	6.625E-17	0.	0.	0.	3.400E+03
3.269E-12	5.679E-06	2.667E-01	9.546E-13	6.772E-16	1.501E-16	0.	0.	0.	3.500E+03
7.300E-12	8.682E-06	2.659E-01	2.030E-12	2.062E-15	5.062E-16	0.	0.	0.	3.600E+03
1.807E-11	1.362E-05	2.656E-01	4.146E-12	5.921E-15	1.500E-15	0.	0.	0.	3.700E+03
3.400E-11	2.026E-05	2.649E-01	8.176E-12	1.610E-14	4.251E-15	0.	0.	0.	3.800E+03
6.982E-11	2.995E-05	2.642E-01	1.597E-11	6.163E-14	1.135E-14	0.	0.	0.	3.900E+03
1.357E-10	4.341E-05	2.614E-01	2.870E-11	1.020E-13	2.079E-14	0.	0.	0.	4.000E+03
2.340E-10	6.124E-05	2.599E-01	5.195E-11	2.617E-13	6.905E-14	0.	0.	0.	4.100E+03
4.320E-10	8.662E-05	2.583E-01	9.004E-11	5.920E-13	1.615E-13	0.	0.	0.	4.200E+03
8.103E-10	1.190E-04	2.566E-01	1.333E-10	1.200E-12	3.593E-13	0.	0.	0.	4.300E+03
1.399E-09	1.614E-04	2.549E-01	2.546E-10	2.554E-12	7.696E-13	0.	0.	0.	4.400E+03
2.334E-09	2.159E-04	2.523E-01	6.146E-10	5.220E-12	1.590E-12	0.	0.	0.	4.500E+03
3.707E-09	2.450E-04	2.509E-01	6.607E-10	1.030E-11	3.179E-12	0.	0.	0.	4.600E+03
6.036E-09	3.717E-04	2.279E-01	1.033E-09	2.022E-11	6.166E-12	0.	0.	0.	4.700E+03
9.377E-09	6.793E-04	2.240E-01	3.506E-09	3.703E-11	1.159E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2NH2	H	H2	H2+	H+
4.900E+03	6.260E-08	1.927E-04	2.853E-04	1.239E-03	2.799E-07	2.140E-01	9.609E-01	2.446E-00	4.905E-00
5.000E+03	9.247E-08	1.780E-04	2.961E-04	1.421E-03	2.984E-07	2.367E-01	5.610E-01	3.957E-00	7.434E-00
5.200E+03	1.922E-07	1.503E-04	3.133E-04	1.839E-03	3.319E-07	2.625E-01	5.011E-01	7.040E-00	1.588E-00
5.400E+03	3.700E-07	1.253E-04	3.281E-04	2.313E-03	3.599E-07	3.302E-01	4.590E-01	1.314E-00	3.190E-00
5.600E+03	7.070E-07	1.031E-04	3.262E-04	2.834E-03	3.763E-07	3.786E-01	4.161E-01	2.317E-00	6.077E-00
5.800E+03	1.264E-06	8.368E-05	3.250E-04	3.392E-03	3.894E-07	4.265E-01	3.735E-01	3.085E-00	1.104E-00
6.000E+03	2.171E-06	6.711E-05	3.177E-04	3.975E-03	3.923E-07	4.729E-01	3.321E-01	0.224E-00	1.920E-00
6.200E+03	3.594E-06	5.324E-05	3.048E-04	4.569E-03	3.877E-07	5.167E-01	2.920E-01	9.505E-00	3.211E-00
6.400E+03	5.756E-06	4.182E-05	2.882E-04	5.163E-03	3.766E-07	5.572E-01	2.562E-01	1.415E-00	5.104E-00
6.600E+03	8.497E-06	3.259E-05	2.690E-04	5.760E-03	3.604E-07	5.939E-01	2.224E-01	2.025E-00	1.101E-00
6.800E+03	1.353E-05	2.923E-05	2.485E-04	6.309E-03	3.437E-07	6.266E-01	1.927E-01	2.809E-00	1.229E-00
7.000E+03	1.990E-05	1.946E-05	2.276E-04	6.843E-03	3.177E-07	6.591E-01	1.660E-01	3.709E-00	1.010E-00
7.200E+03	2.884E-05	1.493E-05	2.064E-04	7.301E-03	2.934E-07	6.795E-01	1.424E-01	4.988E-00	2.610E-00
7.400E+03	4.079E-05	1.146E-05	1.861E-04	7.799E-03	2.688E-07	7.001E-01	1.223E-01	6.423E-00	3.692E-00
7.600E+03	5.664E-05	8.763E-06	1.669E-04	8.210E-03	2.442E-07	7.171E-01	1.039E-01	8.100E-00	5.100E-00
7.800E+03	7.735E-05	6.710E-06	1.490E-04	8.572E-03	2.201E-07	7.309E-01	8.992E-02	1.006E-00	6.916E-00
8.000E+03	1.040E-04	5.141E-06	1.324E-04	8.879E-03	1.970E-07	7.419E-01	7.717E-02	1.227E-00	9.219E-00
8.200E+03	1.370E-04	3.943E-06	1.173E-04	9.130E-03	1.750E-07	7.503E-01	6.633E-02	1.477E-00	1.210E-00
8.400E+03	1.805E-04	3.028E-06	1.030E-04	9.322E-03	1.565E-07	7.566E-01	5.712E-02	1.755E-00	1.595E-00
8.600E+03	2.335E-04	2.329E-06	9.114E-05	9.653E-03	1.354E-07	7.610E-01	4.932E-02	2.061E-00	1.997E-00
8.800E+03	2.945E-04	1.795E-06	7.999E-05	9.923E-03	1.170E-07	7.638E-01	4.270E-02	2.395E-00	2.518E-00
9.000E+03	3.700E-04	1.306E-06	7.002E-05	9.532E-03	1.010E-07	7.652E-01	3.700E-02	2.794E-00	3.140E-00
9.200E+03	4.730E-04	1.072E-06	6.111E-05	9.481E-03	8.736E-08	7.695E-01	3.231E-02	3.151E-00	3.875E-00
9.400E+03	5.886E-04	8.305E-07	5.326E-05	9.370E-03	7.645E-08	7.652E-01	2.825E-02	3.575E-00	4.739E-00
9.600E+03	7.250E-04	6.450E-07	4.630E-05	9.215E-03	6.301E-08	7.661E-01	2.470E-02	4.026E-00	5.747E-00
9.800E+03	8.859E-04	5.021E-07	4.018E-05	9.000E-03	5.299E-08	7.625E-01	2.183E-02	4.511E-00	6.905E-00
1.000E+04	1.374E-03	3.918E-07	3.491E-05	8.761E-03	4.630E-08	7.600E-01	1.930E-02	5.028E-00	8.243E-00
1.100E+04	2.543E-03	1.187E-07	1.688E-05	7.169E-03	1.609E-08	7.500E-01	1.104E-02	8.177E-00	1.827E-00
1.200E+04	5.234E-03	3.901E-08	3.252E-06	5.516E-03	6.167E-09	7.612E-01	6.913E-03	1.242E-00	3.401E-00
1.300E+04	9.658E-03	1.467E-08	6.220E-06	6.100E-03	2.327E-09	7.332E-01	4.610E-03	1.787E-00	6.476E-00
1.400E+04	1.635E-02	5.961E-09	2.273E-06	3.191E-03	9.339E-10	7.236E-01	3.225E-03	2.441E-00	1.079E-00
1.500E+04	2.540E-02	2.601E-09	1.271E-06	2.652E-03	3.960E-10	7.100E-01	2.310E-03	3.181E-00	1.680E-00
1.600E+04	3.840E-02	1.192E-09	7.304E-07	1.892E-03	1.761E-10	6.939E-01	1.695E-03	3.965E-00	7.496E-00
1.700E+04	5.633E-02	5.633E-10	6.262E-07	1.458E-03	7.095E-11	6.716E-01	1.249E-03	4.741E-00	9.526E-00
1.800E+04	7.360E-02	2.695E-10	2.495E-07	1.115E-03	8.014E-11	6.466E-01	9.730E-04	5.467E-00	6.175E-00
1.900E+04	9.610E-02	1.289E-10	1.453E-07	8.416E-04	1.632E-11	6.133E-01	6.739E-04	8.024E-00	8.246E-00
2.000E+04	1.212E-01	6.099E-11	6.307E-08	4.253E-06	7.646E-12	5.782E-01	4.889E-04	8.420E-00	7.889E-00
2.100E+04	1.981E-01	2.822E-11	6.712E-08	6.559E-06	3.249E-12	5.400E-01	3.493E-04	6.806E-00	4.700E-00
2.200E+04	1.742E-01	1.277E-11	2.609E-08	2.629E-06	1.615E-12	5.001E-01	2.460E-04	8.747E-00	1.161E-00
2.300E+04	2.046E-01	5.633E-12	1.610E-08	2.289E-06	5.939E-13	4.594E-01	1.705E-04	8.342E-00	1.357E-00
2.400E+04	2.324E-01	2.425E-12	7.677E-09	1.572E-06	2.433E-14	4.191E-01	1.161E-04	5.948E-00	1.552E-00
2.500E+04	2.591E-01	1.023E-12	9.897E-09	1.045E-06	9.762E-14	3.803E-01	7.851E-04	5.460E-00	1.762E-00
2.600E+04	2.846E-01	4.242E-13	2.004E-09	7.125E-05	3.857E-14	3.637E-01	5.234E-04	6.870E-00	1.926E-00
2.700E+04	3.364E-01	1.741E-13	1.022E-09	4.723E-05	1.510E-14	3.097E-01	3.465E-05	4.281E-00	2.0-3E-01
2.800E+04	3.275E-01	7.112E-14	5.166E-10	3.113E-05	5.049E-15	2.787E-01	2.889E-04	4.420E-00	7.889E-00
2.900E+04	3.640E-01	2.409E-14	2.033E-10	2.047E-05	2.703E-15	2.508E-01	1.920E-05	3.177E-00	2.391E-01
3.000E+04	3.825E-01	1.147E-14	1.362E-10	1.347E-05	9.072E-16	2.250E-01	6.899E-06	2.699E-00	2.518E-01
3.100E+04	3.776E-01	6.897E-15	8.892E-11	8.882E-06	9.818E-16	2.032E-01	6.933E-06	2.289E-00	2.632E-01
3.200E+04	3.498E-01	3.098E-15	5.576E-11	5.888E-06	1.663E-16	1.861E-01	4.346E-06	1.914E-00	2.732E-01
3.300E+04	4.011E-01	6.993E-16	1.077E-11	9.923E-06	6.010E-17	1.606E-01	2.908E-06	5.464E-00	1.762E-01
3.400E+04	4.113E-01	3.925E-16	6.981E-12	2.633E-06	2.521E-17	1.517E-01	1.953E-06	4.153E-00	2.898E-01
3.500E+04	4.200E-01	1.746E-16	5.701E-12	1.774E-06	1.076E-17	1.383E-01	1.933E-06	4.137E-00	2.964E-01
3.600E+04	4.281E-01	7.151E-17	2.961E-12	1.211E-06	6.755E-18	1.265E-01	9.194E-07	4.561E-00	3.023E-01
3.700E+04	4.354E-01	3.658E-17	1.629E-12	8.299E-07	2.067E-18	1.140E-01	6.708E-07	8.081E-00	3.073E-01
3.800E+04	4.422E-01	1.723E-17	9.165E-13	5.711E-07	9.284E-19	1.067E-01	6.481E-07	8.815E-00	3.115E-01
3.900E+04	4.486E-01	4.255E-18	5.195E-13	3.965E-07	6.232E-19	9.046E-02	3.176E-07	5.777E-00	3.110E-01
4.000E+04	4.556E-01	1.323E-18	2.986E-13	2.762E-07	1.953E-19	9.105E-02	2.274E-07	6.513E-00	3.130E-01
4.100E+04	4.604E-01	1.991E-18	1.732E-13	1.932E-07	9.130E-20	8.446E-02	1.644E-07	4.114E-00	3.202E-01
4.200E+04	4.653E-01	6.492E-19	1.016E-13	1.355E-07	6.286E-20	7.049E-02	1.200E-07	1.951E-00	3.205E-01
4.300E+04	4.714E-01	5.022E-19	5.990E-14	9.511E-08	2.031E-20	7.313E-02	8.460E-08	3.073E-00	3.233E-01
4.400E+04	4.767E-01	2.616E-19	3.563E-14	6.715E-08	9.664E-21	6.826E-02	6.570E-08	2.446E-00	3.241E-01
4.500E+04	4.819E-01	1.361E-19	2.133E-14	6.737E-08	6.638E-21	6.108E-02	6.926E-08	2.206E-00	3.247E-01
4.600E+04	4.869E-01	7.160E-20	1.209E-16	3.464E-08	2.230E-21	5.987E-02	7.723E-08	1.981E-00	3.249E-01
4.700E+04	4.918E-01	3.831E-20	7.763E-15	2.363E-08	1.076E-21	5.621E-02	2.635E-08	1.723E-00	3.249E-01
4.800E+04	4.966E-01	2.039E-20	6.760E-15	1.671E-08	5.208E-21	5.707E-02	2.170E-08	1.501E-00	3.248E-01
4.900E+04	5.009E-01	1.103E-20	2.902E-15	1.103E-08	2.533E-22	4.900E-02	1.605E-08	1.316E-00	3.245E-01
5.000E+04	5.052E-01	6.024E-21	1.767E-15	8.387E-09	1.233E-22	4.698E-02	1.312E-08	1.176E-00	3.243E-01

TABLE II.- Concluded

H-	N	N2	N2+	N+	N-	N++	N+++	N+++	T
1.427E-03	6.114E-04	2.220E-01	2.392E-09	6.898E-11	2.122E-11	0.	0.	0.	4.900E+02
2.128E-08	7.720E-06	2.191E-01	3.552E-09	1.235E-10	3.784E-11	0.	0.	0.	5.000E+03
4.479E-08	1.197E-03	2.129E-01	7.493E-09	3.712E-10	1.120E-10	0.	0.	0.	5.200E+03
8.804E-08	1.793E-03	2.083E-01	1.498E-08	1.031E-09	3.038E-10	0.	0.	0.	5.400E+03
1.628E-07	2.606E-03	1.995E-01	2.856E-08	2.472E-09	7.621E-10	0.	0.	0.	5.600E+03
2.849E-07	3.687E-03	1.929E-01	5.219E-08	4.504E-09	1.783E-09	0.	0.	0.	5.800E+03
6.741E-07	5.092E-03	1.856E-01	9.177E-08	1.497E-08	3.917E-09	0.	0.	0.	6.000E+03
7.542E-07	6.881E-03	1.707E-01	1.559E-07	3.277E-08	8.133E-09	2.583E-26	0.	0.	6.200E+03
1.152E-06	9.120E-03	1.719E-01	2.548E-07	6.867E-08	1.645E-08	2.057E-25	0.	0.	6.400E+03
1.698E-06	1.187E-02	1.654E-01	4.111E-07	1.372E-07	3.025E-08	1.454E-24	0.	0.	6.600E+03
2.617E-06	1.521E-02	1.589E-01	6.409E-07	2.645E-07	5.466E-08	9.209E-24	0.	0.	6.800E+03
3.345E-06	1.920E-02	1.526E-01	9.748E-07	4.922E-07	9.511E-08	5.274E-23	0.	0.	7.000E+03
4.559E-06	2.390E-07	1.466E-01	1.444E-06	8.857E-07	1.598E-07	2.752E-22	0.	0.	7.200E+03
5.940E-06	2.936E-02	1.402E-01	2.104E-06	1.545E-06	2.601E-07	1.317E-21	0.	0.	7.400E+03
7.665E-06	3.563E-02	1.339E-01	2.992E-06	2.611E-06	4.109E-07	5.812E-21	0.	0.	7.600E+03
9.710E-06	4.273E-02	1.276E-01	4.164E-06	4.313E-06	6.316E-07	2.379E-20	0.	0.	7.800E+03
1.210E-05	5.066E-02	1.211E-01	5.677E-06	6.921E-06	9.463E-07	9.074E-20	0.	0.	8.000E+03
1.488E-05	5.940E-02	1.144E-01	7.584E-06	1.083E-05	1.386E-06	3.239E-19	0.	0.	8.200E+03
1.800E-05	6.891E-02	1.076E-01	9.928E-06	1.655E-05	1.979E-06	1.086E-18	0.	0.	8.400E+03
2.156E-05	7.909E-02	1.006E-01	1.274E-05	2.471E-05	2.769E-06	3.434E-18	0.	0.	8.600E+03
2.553E-05	8.985E-02	9.343E-02	1.603E-05	3.610E-05	3.795E-06	1.327E-17	0.	0.	8.800E+03
2.995E-05	1.010E-01	6.621E-02	1.976E-05	5.164E-05	5.101E-06	2.915E-17	0.	0.	9.000E+03
3.483E-05	1.125E-01	7.898E-02	2.396E-05	7.239E-05	6.730E-06	7.877E-17	0.	0.	9.200E+03
4.016E-05	1.261E-01	7.180E-02	2.847E-05	9.954E-05	8.722E-06	2.031E-16	0.	0.	9.400E+03
4.597E-05	1.355E-01	6.478E-02	3.324E-05	1.344E-04	1.111E-05	5.011E-16	0.	0.	9.600E+03
5.226E-05	1.467E-01	5.800E-02	3.813E-05	1.783E-04	1.392E-05	1.186E-15	0.	0.	9.800E+03
5.905E-05	1.576E-01	5.155E-02	4.302E-05	2.327E-04	1.710E-05	2.700E-15	0.	0.	1.000E+04
1.004E-04	2.004E-01	2.600E-02	6.347E-05	7.116E-04	4.013E-05	9.918E-15	0.	0.	1.100E+04
1.538E-04	2.234E-01	1.205E-02	7.292E-05	1.662E-03	7.255E-05	1.864E-12	0.	0.	1.200E+04
2.172E-04	2.323E-01	5.600E-03	7.383E-05	3.259E-03	1.114E-04	2.161E-11	0.	0.	1.300E+04
2.471E-04	0.337E-01	2.728E-03	7.051E-05	5.688E-03	1.533E-04	1.749E-10	5.710E-25	0.	1.400E+04
3.583E-04	2.305E-01	1.404E-03	6.533E-05	9.109E-03	1.964E-04	1.071E-09	3.632E-23	0.	1.500E+04
4.252E-04	2.242E-01	7.582E-04	5.918E-05	1.365E-02	2.356E-04	5.249E-09	1.398E-21	0.	1.600E+04
4.320E-04	2.153E-01	4.253E-04	5.260E-05	1.934E-02	2.688E-04	2.143E-08	3.567E-20	0.	1.700E+04
5.236E-04	4.042E-04	2.452E-04	4.581E-05	8.615E-02	2.906E-04	7.513E-08	6.473E-19	0.	1.800E+04
5.462E-04	1.911E-01	1.436E-04	3.907E-05	3.391E-02	3.015E-04	2.318E-07	8.028E-18	0.	1.900E+04
5.487E-04	1.768E-01	8.491E-04	3.259E-05	4.238E-02	3.003E-04	8.410E-07	9.453E-17	0.	2.000E+04
5.318E-04	1.412E-01	5.035E-05	2.658E-05	5.127E-02	2.884E-04	1.615E-06	8.244E-16	0.	2.100E+04
4.984E-04	1.453E-01	2.981E-05	2.121E-05	6.024E-02	2.669E-04	3.751E-06	6.020E-15	0.	2.200E+04
4.535E-04	1.294E-01	1.759E-05	1.659E-05	6.898E-02	2.398E-04	8.120E-06	3.770E-14	0.	2.300E+04
4.016E-04	1.145E-01	1.033E-05	1.274E-05	7.721E-02	2.097E-04	1.653E-05	2.064E-13	0.	2.400E+04
3.476E-04	1.003E-01	6.050E-06	9.632E-06	8.672E-02	1.792E-04	3.187E-05	1.004E-12	0.	2.500E+04
2.952E-04	6.745E-02	3.536E-06	7.197E-06	9.141E-02	1.503E-04	5.059E-05	4.399E-12	0.	2.600E+04
2.472E-04	7.591E-02	2.088E-06	5.331E-06	9.722E-02	1.242E-04	1.032E-04	1.754E-11	0.	2.700E+04
2.048E-04	6.575E-02	1.214E-06	3.926E-06	1.022E-01	1.016E-04	1.751E-04	6.426E-11	0.	2.800E+04
1.687E-04	5.691E-02	1.715E-07	2.884E-06	1.036E-01	8.246E-05	2.871E-04	2.181E-10	0.	2.900E+04
1.385E-04	4.929E-02	4.255E-07	2.117E-06	1.096E-01	6.664E-05	4.565E-04	6.089E-10	0.	3.000E+04
1.139E-04	2.274E-02	2.551E-07	1.557E-06	1.123E-01	5.374E-05	7.051E-04	2.046E-09	0.	3.100E+04
9.391E-05	3.714E-02	1.544E-07	1.147E-06	1.144E-01	4.333E-05	1.063E-03	5.719E-09	0.	3.200E+04
7.788E-05	3.235E-02	9.444E-08	8.402E-07	1.150E-01	3.496E-05	1.566E-03	1.513E-08	0.	3.300E+04
6.506E-05	2.023E-02	5.833E-08	4.291E-07	1.168E-01	2.024E-05	2.249E-03	3.799E-08	0.	3.400E+04
5.948E-05	2.494E-02	3.637E-08	4.680E-07	1.171E-01	2.289E-05	3.166E-03	9.088E-08	0.	3.500E+04
4.662E-05	2.182E-02	2.287E-08	3.489E-07	1.170E-01	1.858E-05	4.367E-03	2.077E-07	3.880E-15	3.600E+04
4.003E-05	1.894E-02	1.449E-08	2.004E-07	1.163E-01	1.512E-05	5.904E-03	4.542E-07	1.719E-14	3.700E+04
3.472E-05	1.660E-02	9.228E-09	1.943E-07	1.150E-01	1.232E-05	7.830E-03	9.530E-07	7.048E-14	3.800E+04
3.041E-05	1.454E-02	9.903E-09	1.444E-07	1.131E-01	1.005E-05	1.019E-02	1.921E-06	2.687E-13	3.900E+04
2.688E-05	1.272E-02	3.764E-09	1.076E-07	1.106E-01	8.196E-06	1.307E-02	3.727E-06	9.563E-13	4.000E+04
2.397E-05	1.110E-02	2.420E-09	7.960E-08	1.075E-01	6.086E-06	1.631E-02	8.986E-06	3.187E-12	4.100E+04
2.154E-05	9.658E-03	1.556E-06	5.855E-08	1.020E-01	5.468E-06	2.008E-02	1.257E-05	9.985E-12	4.200E+04
1.950E-05	6.372E-03	9.953E-10	4.277E-08	9.948E-02	4.433E-06	2.429E-02	2.193E-05	2.949E-11	4.300E+04
1.777E-05	7.228E-03	6.345E-10	3.101E-08	9.470E-02	3.599E-06	2.887E-02	3.702E-05	8.239E-11	4.400E+04
1.629E-05	6.213E-03	4.028E-10	2.231E-08	8.951E-02	2.914E-06	3.375E-02	6.060E-05	2.184E-10	4.500E+04
1.501E-05	5.316E-03	2.545E-10	1.591E-08	8.604E-02	2.352E-06	3.883E-02	9.634E-05	5.911E-10	4.600E+04
1.389E-05	4.524E-03	1.621E-10	1.126E-08	7.838E-02	1.893E-06	4.400E-02	1.490E-04	1.328E-09	4.700E+04
1.290E-05	3.839E-03	1.002E-10	7.903E-09	7.266E-02	1.519E-06	4.917E-02	2.245E-04	3.062E-09	4.800E+04
1.202E-05	3.242E-03	6.249E-11	5.509E-09	6.697E-02	1.216E-06	5.423E-02	3.303E-04	6.783E-09	4.900E+04
1.123E-05	2.728E-03	3.880E-11	3.817E-09	6.142E-02	9.701E-07	5.909E-02	4.752E-04	1.447E-08	5.000E+04

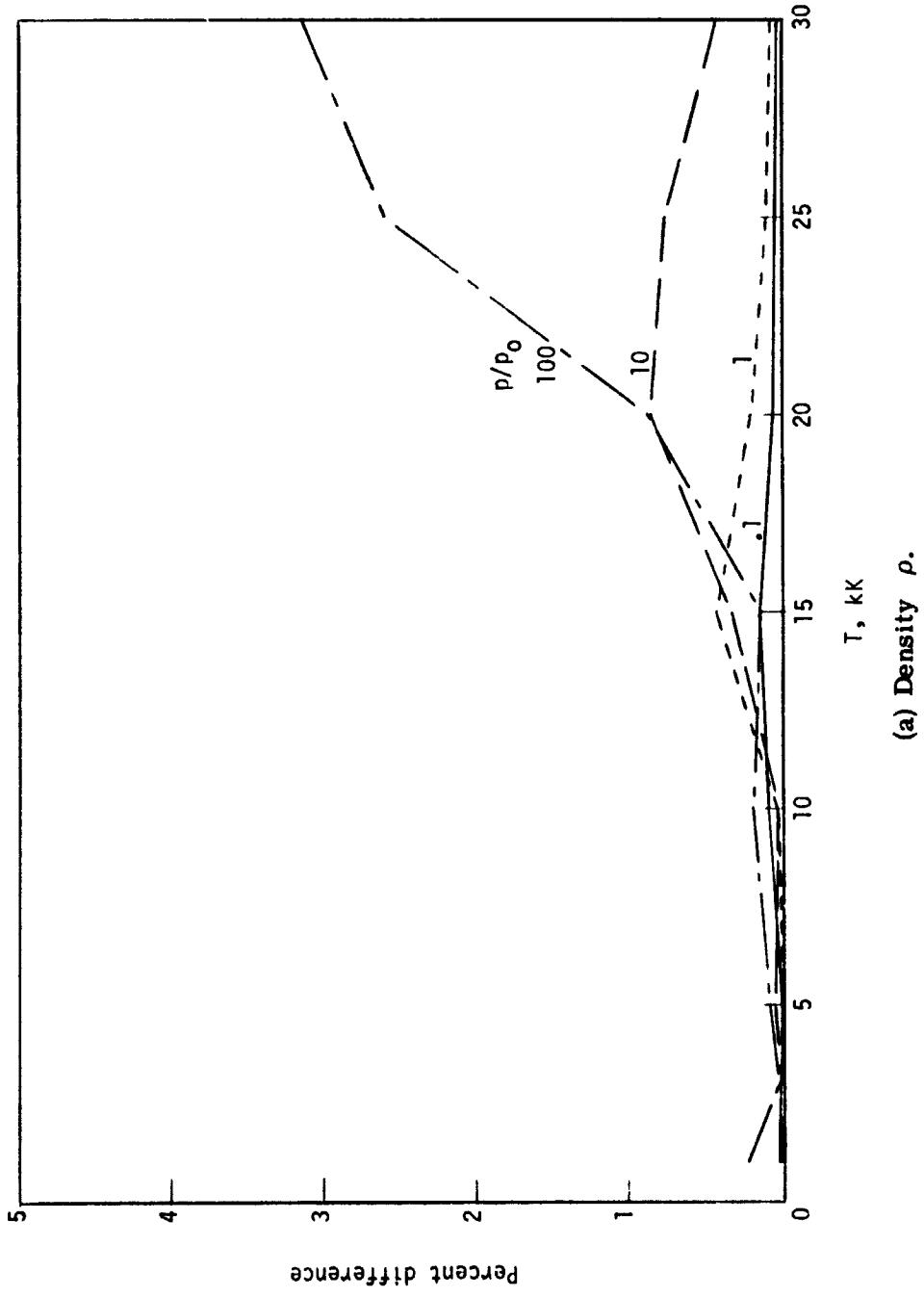


Figure 1.- Percent difference between thermodynamic properties obtained from present method and those obtained from method of reference 4, as a function of temperature for various pressures. $p_0 = 101.325 \text{ kN/m}^2$.

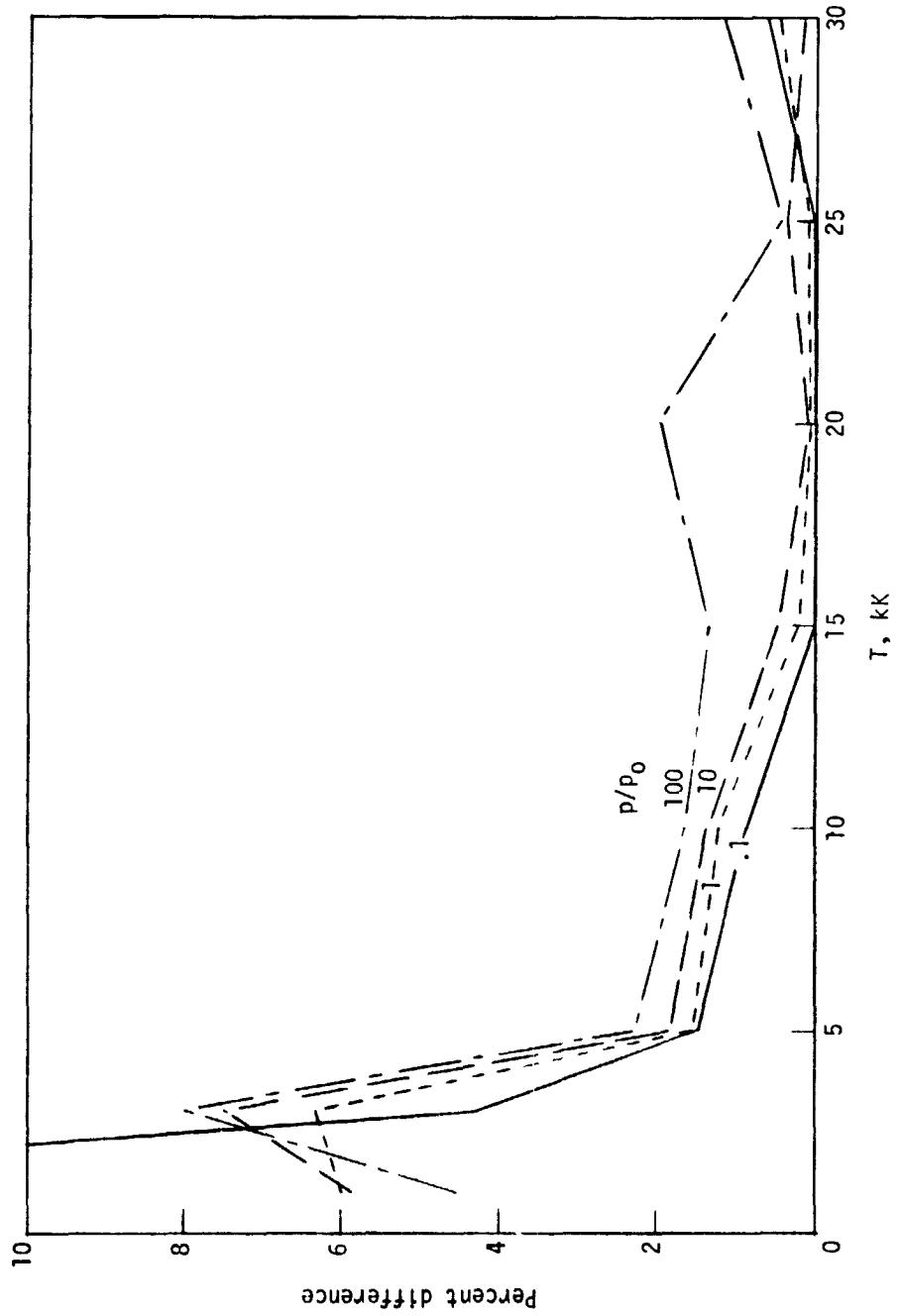
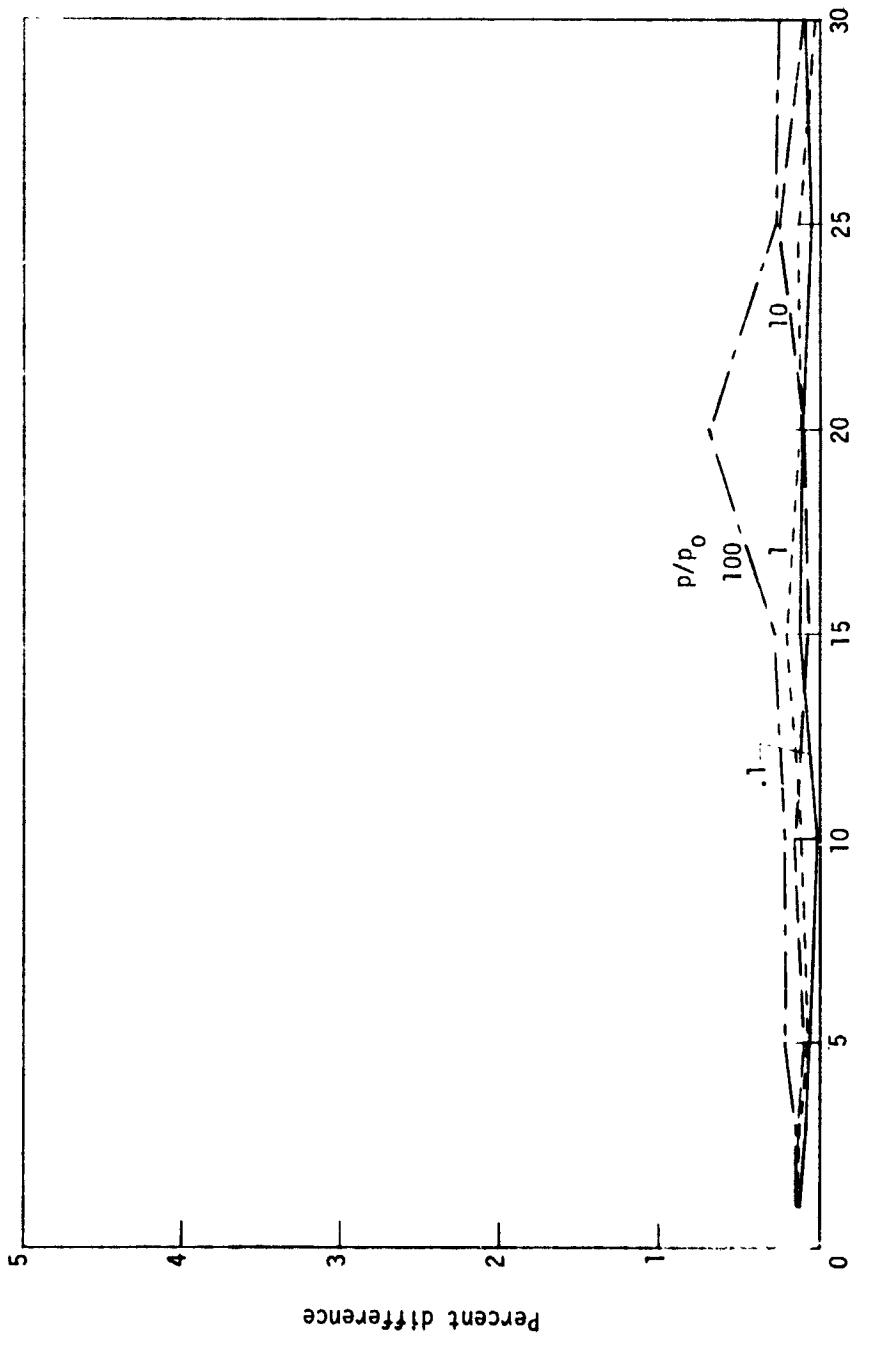
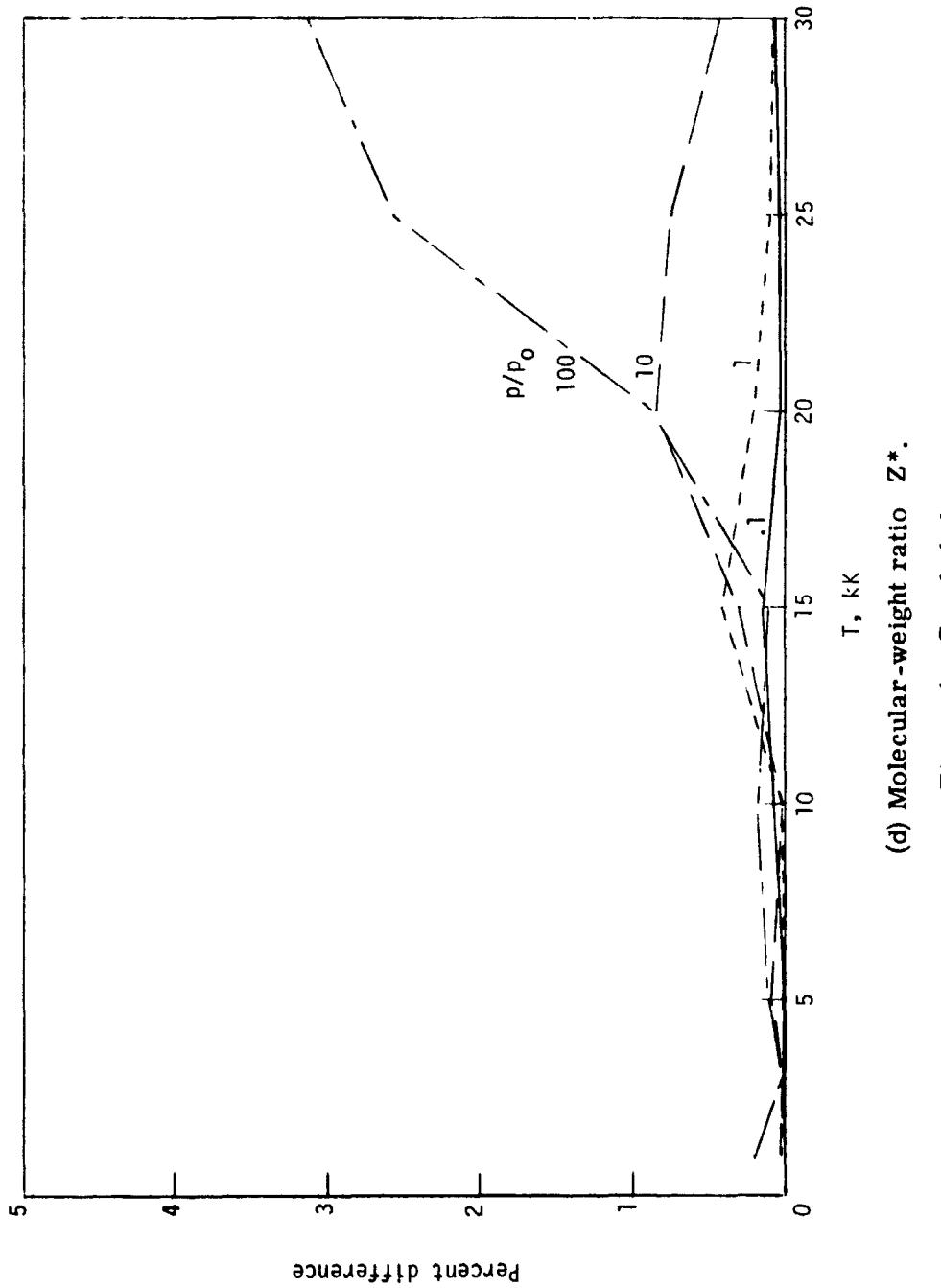


Figure 1.- Continued
 (b) Enthalpy h .



(c) Entropy s .
Figure 1.- Continued.



(d) Molecular-weight ratio Z^* .

Figure 1.- Concluded.

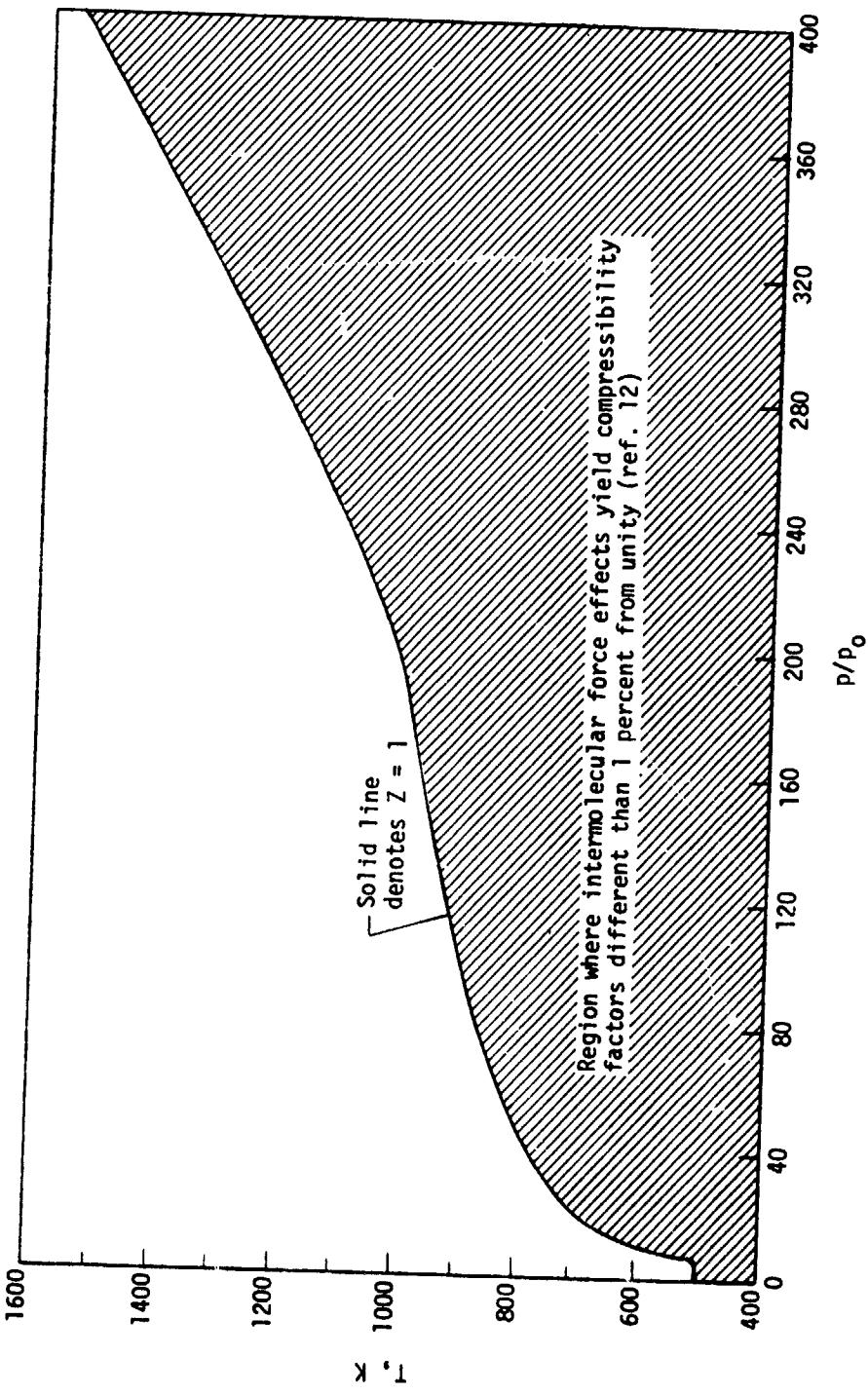
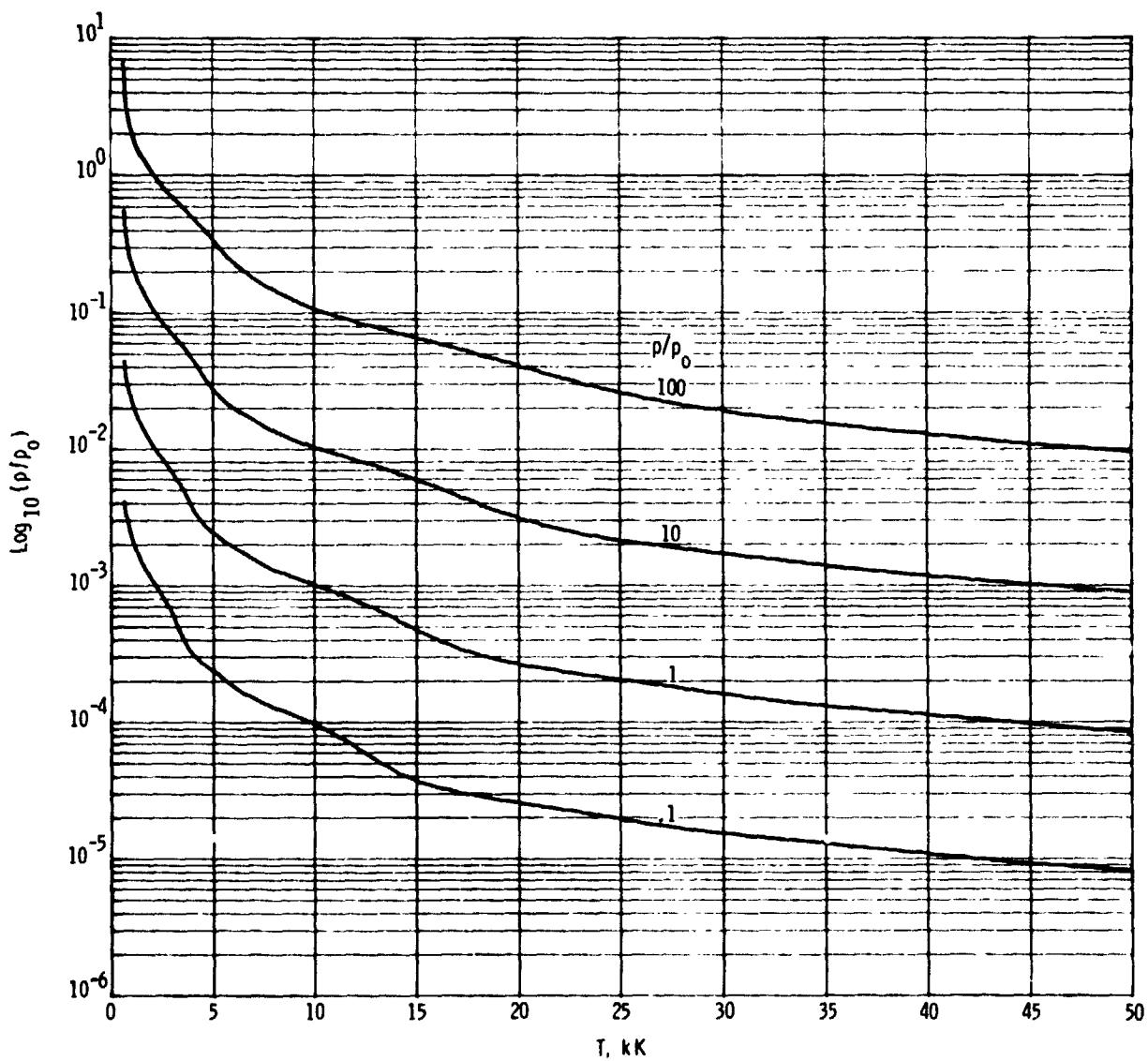
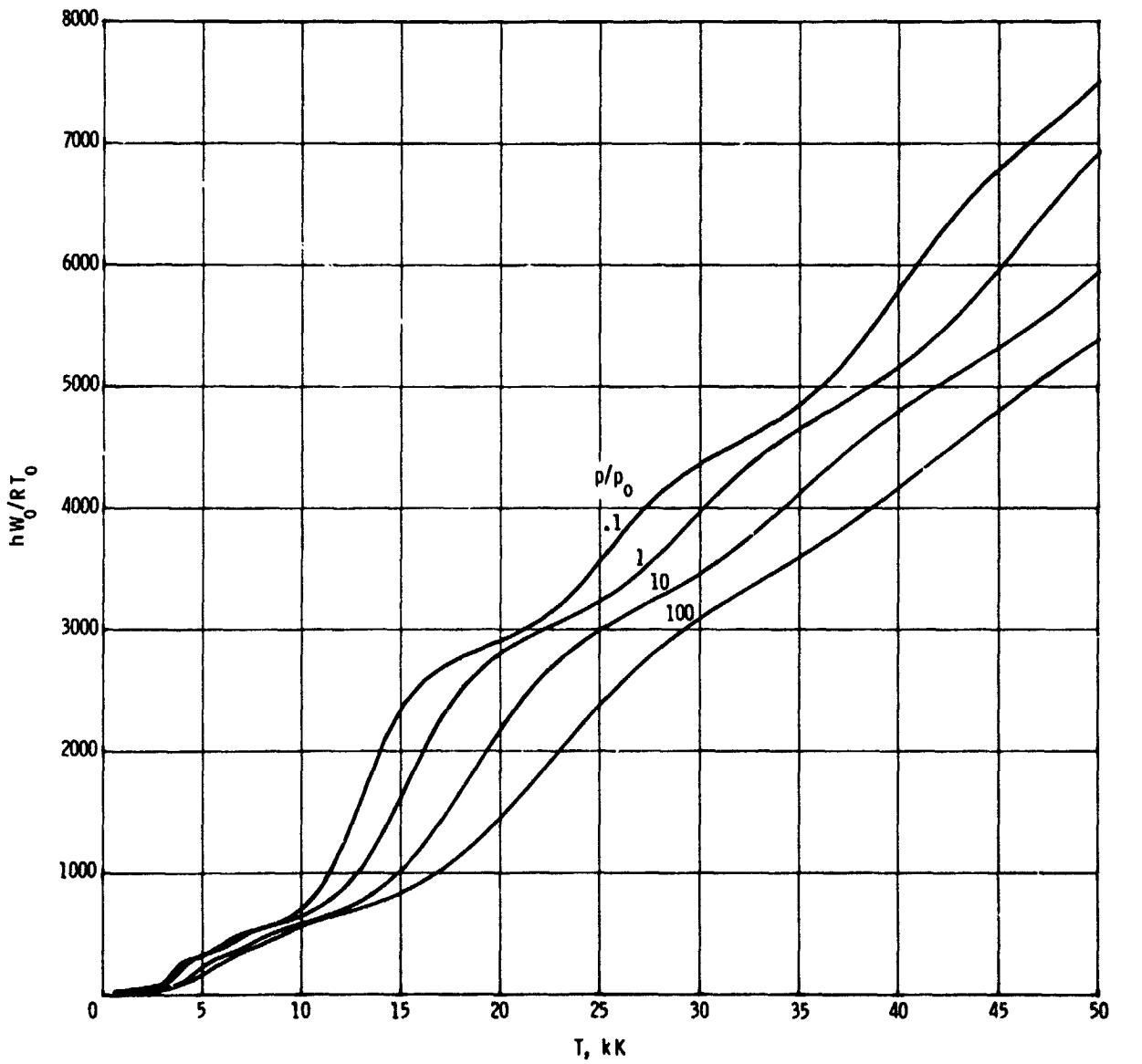


Figure 2.- Temperature-pressure region for which intermolecular force effects are significant for pure ammonia.
 $P_0 = 101.325 \text{ kN/m}^2$.



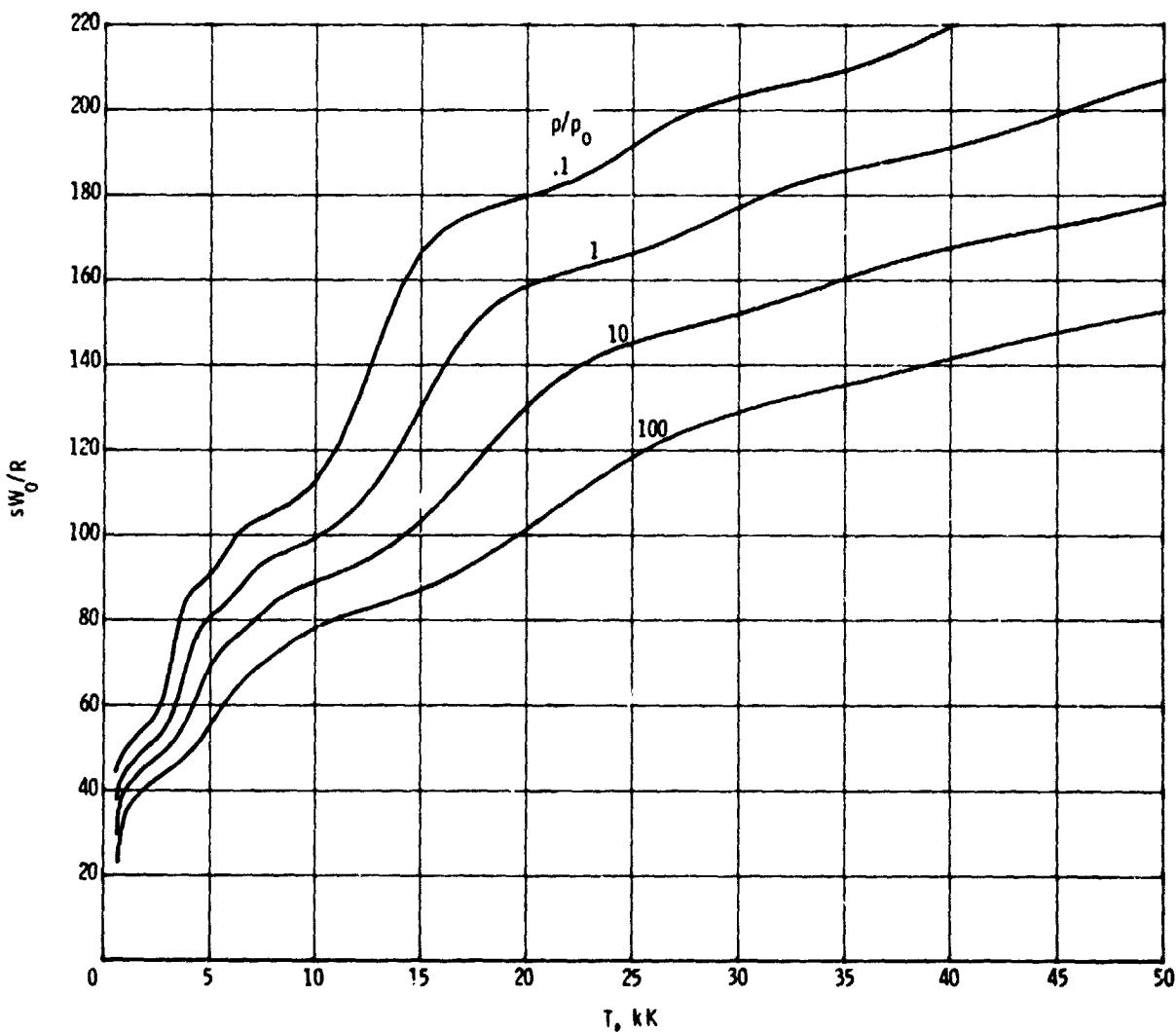
(a) Density, $\log_{10}(\rho/\rho_0)$. $\rho_0 = 0.5118 \text{ kg/m}^3$.

Figure 3.- Nondimensional thermodynamic properties for ammonia as a function of temperature for various pressures. $p_0 = 101.325 \text{ kN/m}^2$.



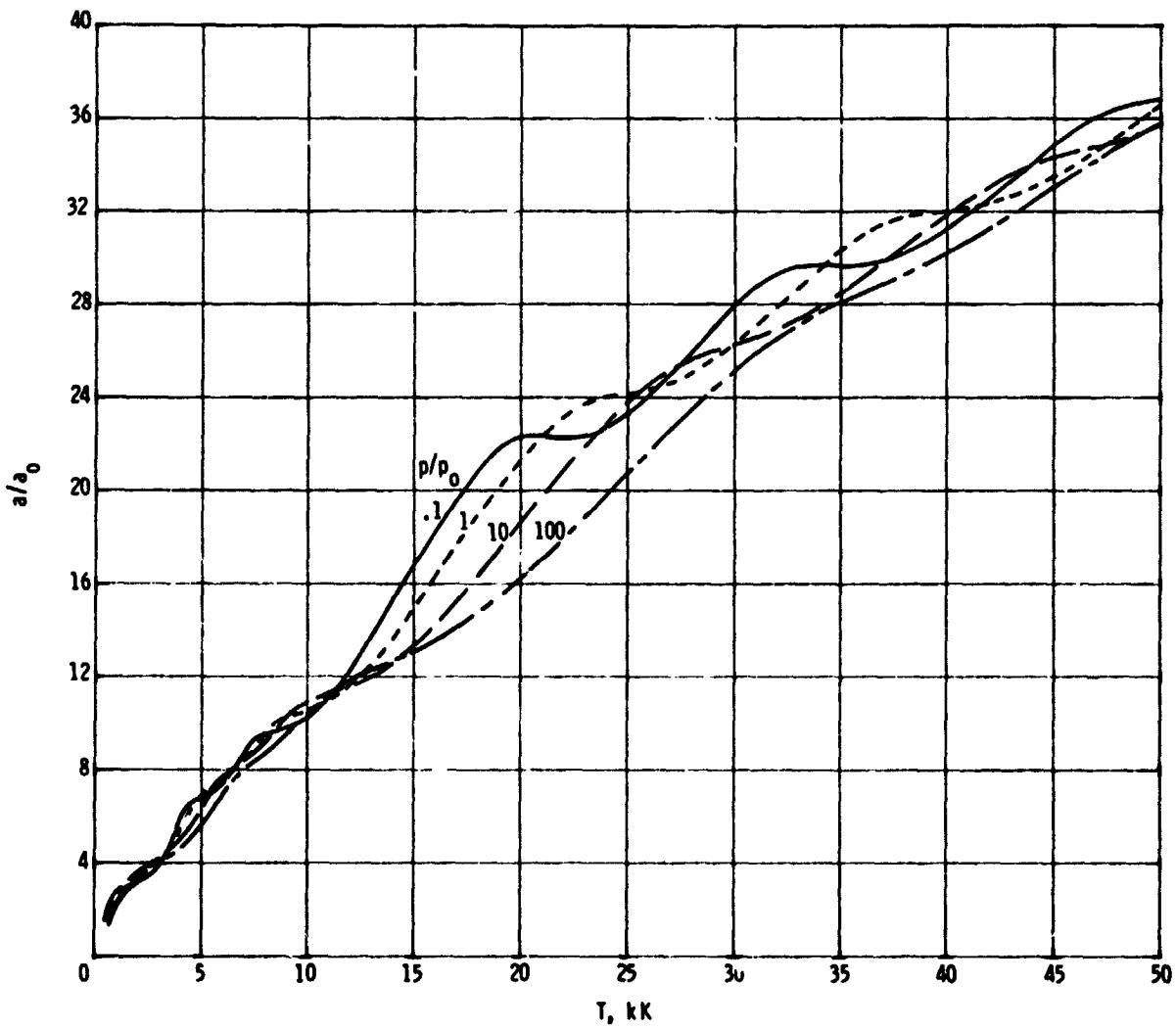
(b) Enthalpy, hW_0/RT_0 . $W_0 = 17.032 \text{ kg/kmol}$; $T_0 = 405.55 \text{ K}$.

Figure 3.- Continued.



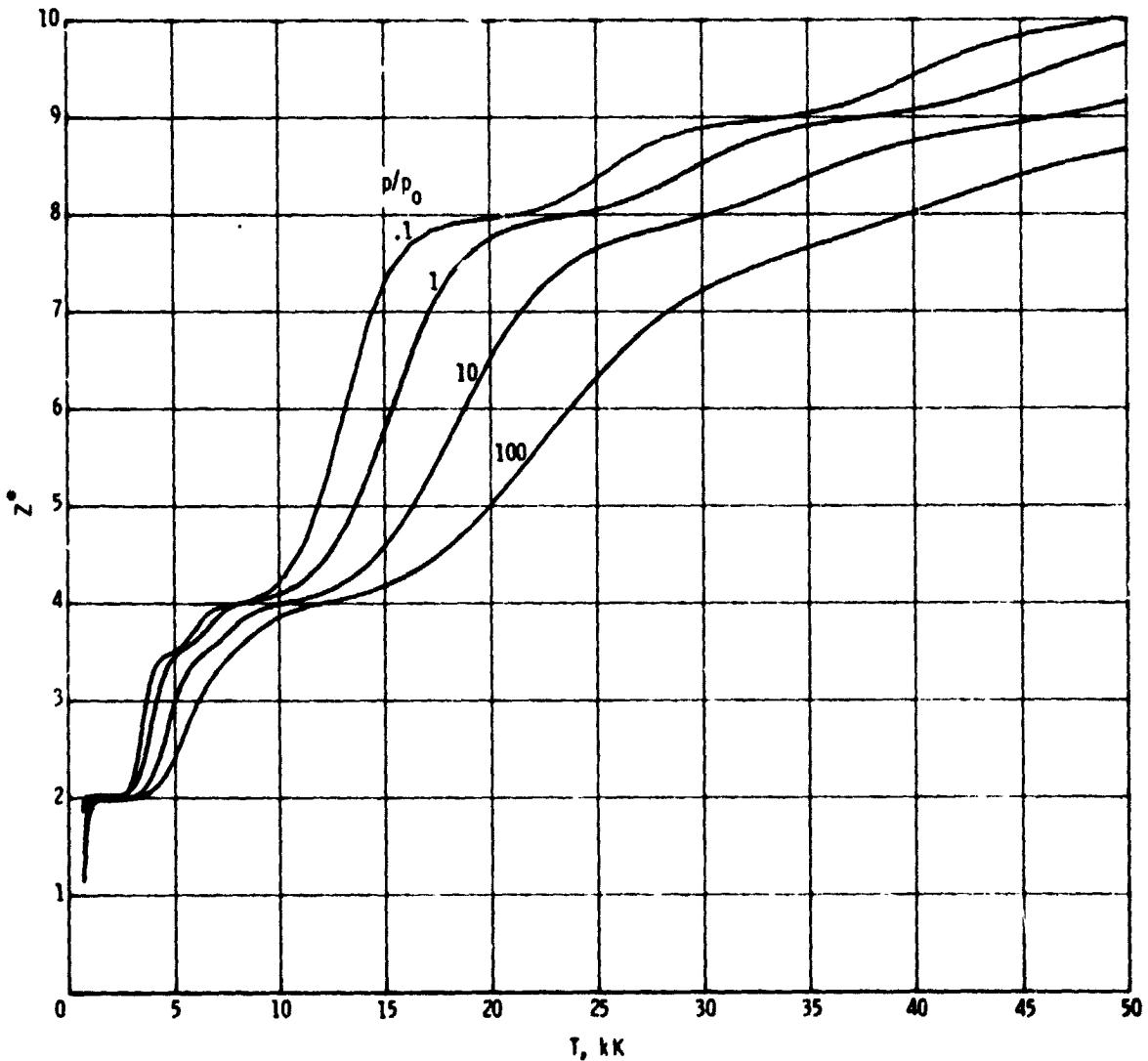
(c) Entropy, sW_0/R . $W_0 = 17.032 \text{ kg/kmol}$.

Figure 3.- Continued.



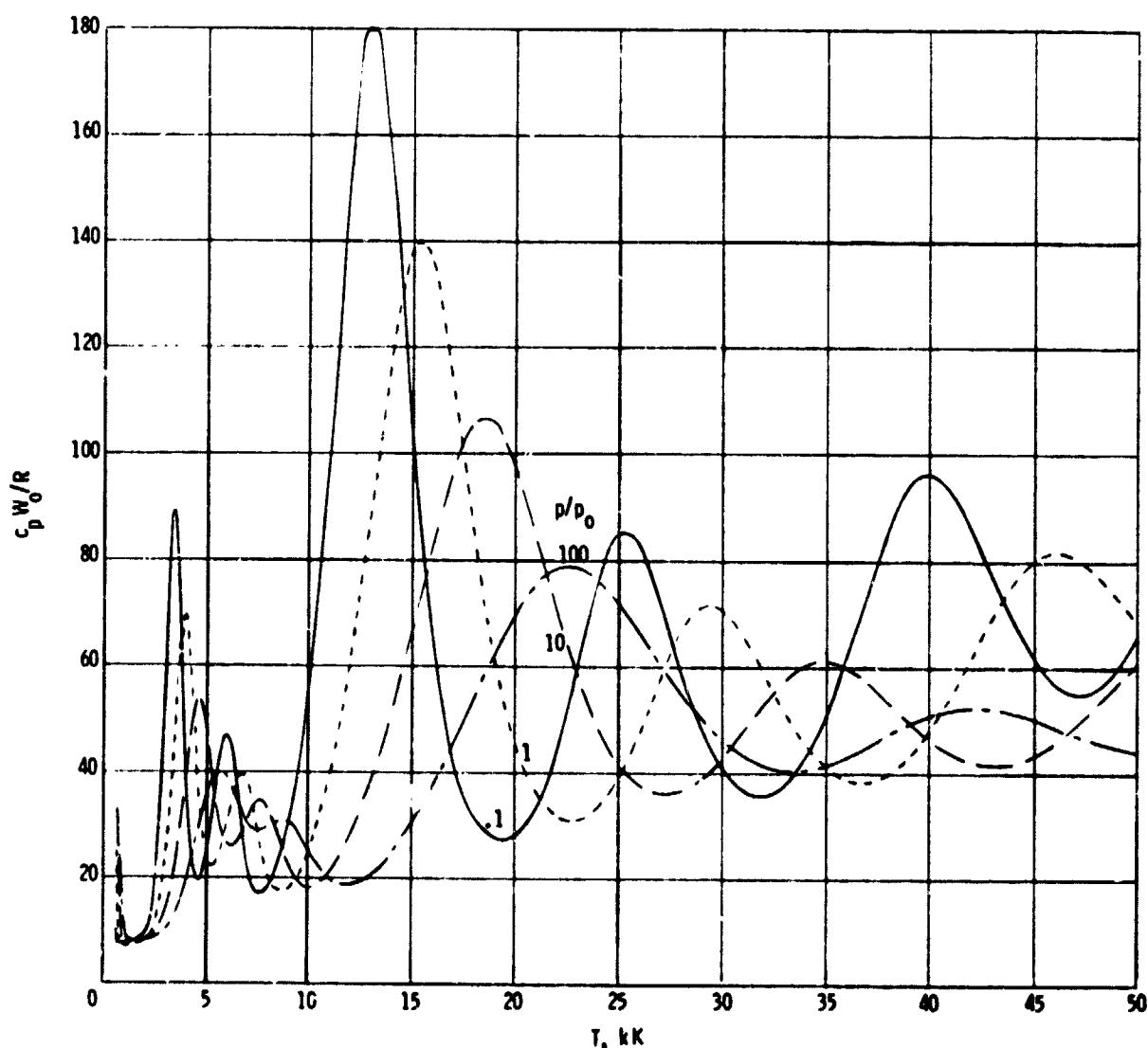
(d) Speed of sound, a/a_0 . $a_0 = 479.23$ m/sec.

Figure 3.- Continued.



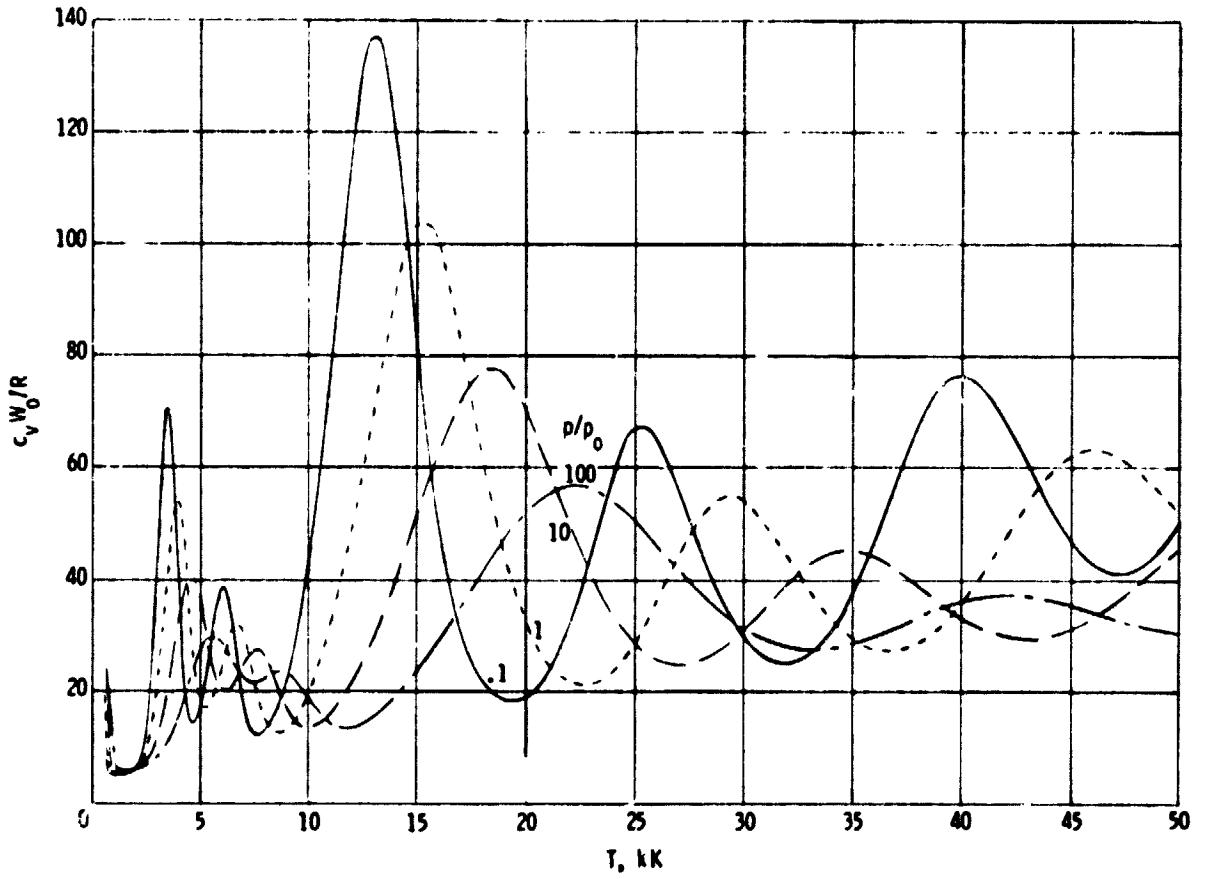
(e) Molecular-weight ratio Z^* .

Figure 3.- Continued.



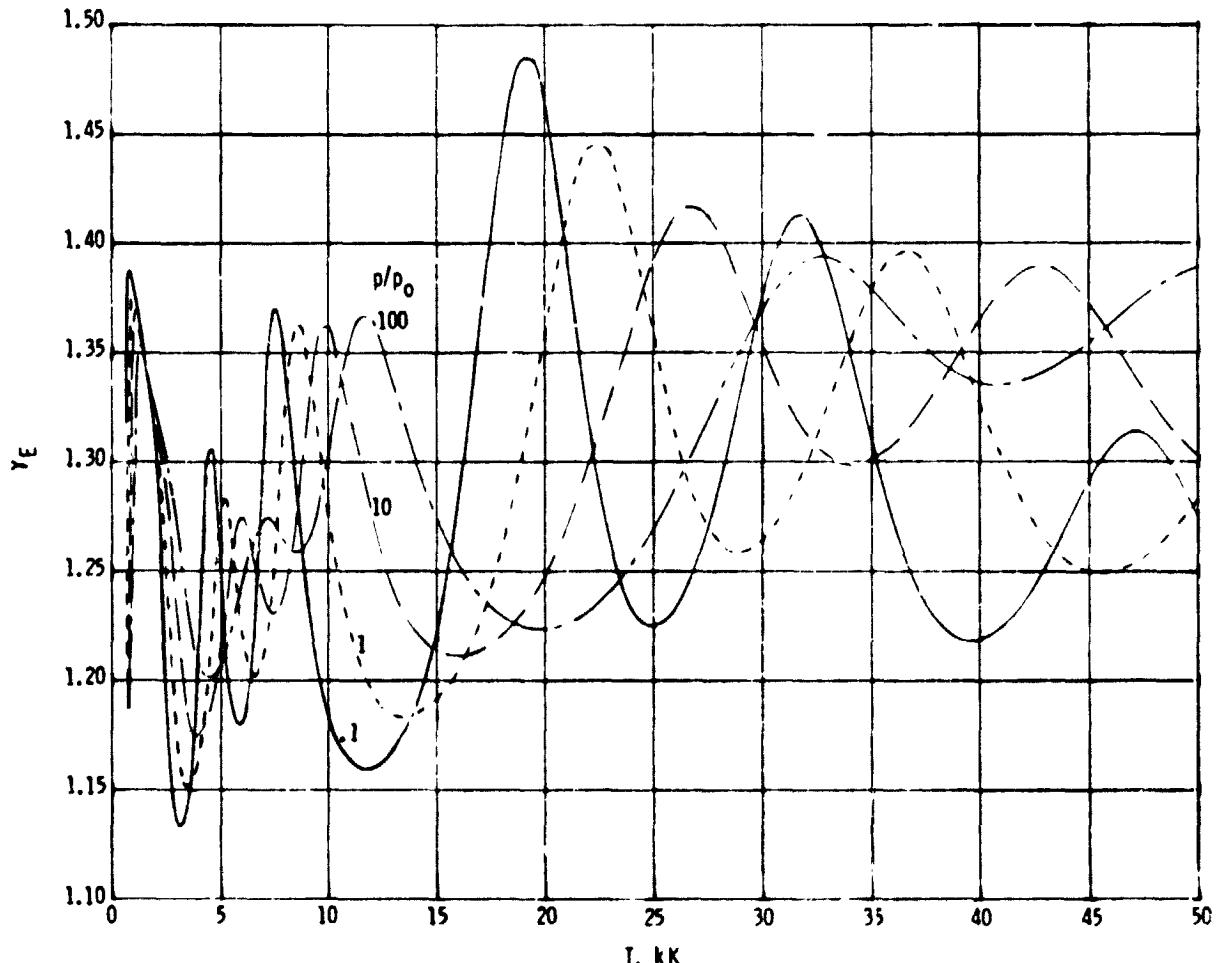
(f) Specific heat at constant pressure, $c_p W_0 / R$. $W_0 = 17.032 \text{ kg/kmol}$.

Figure 3.- Continued.



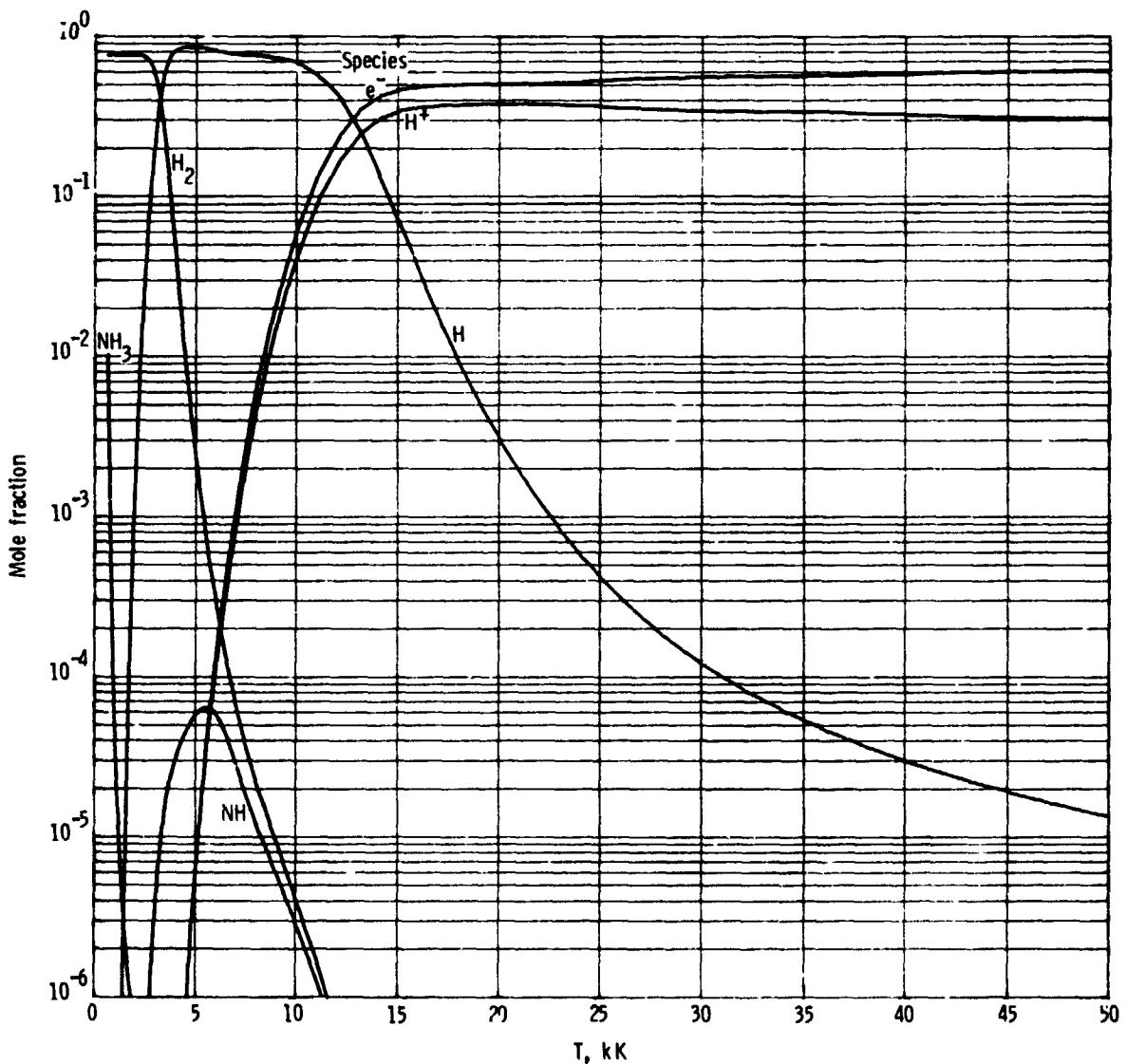
(g) Specific heat at constant volume, $c_V W_0 / R$. $W_0 = 17.032 \text{ kg/kmol}$.

Figure 3.- Continued.



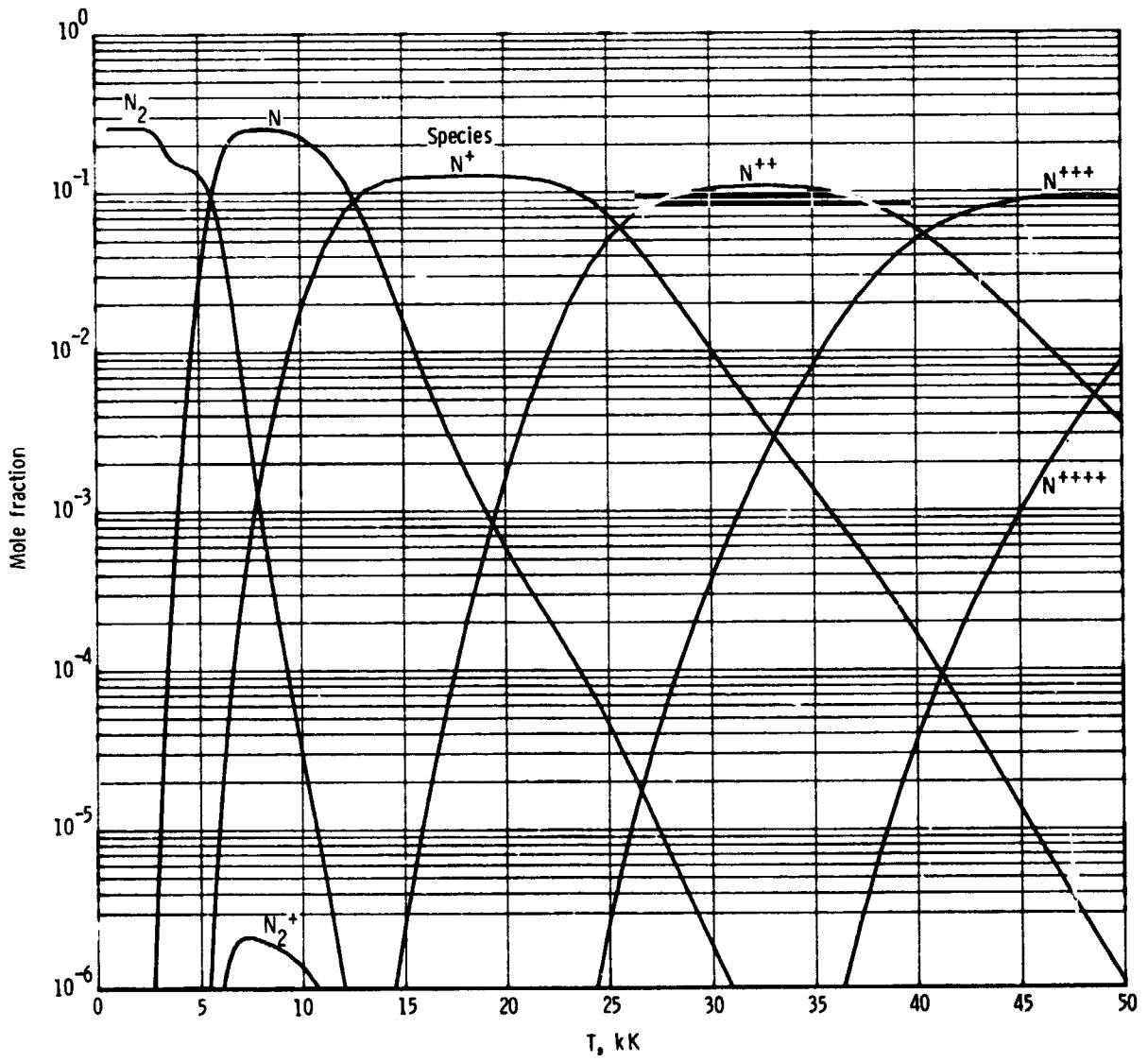
(h) Isentropic exponent γ_E .

Figure 3.- Concluded.



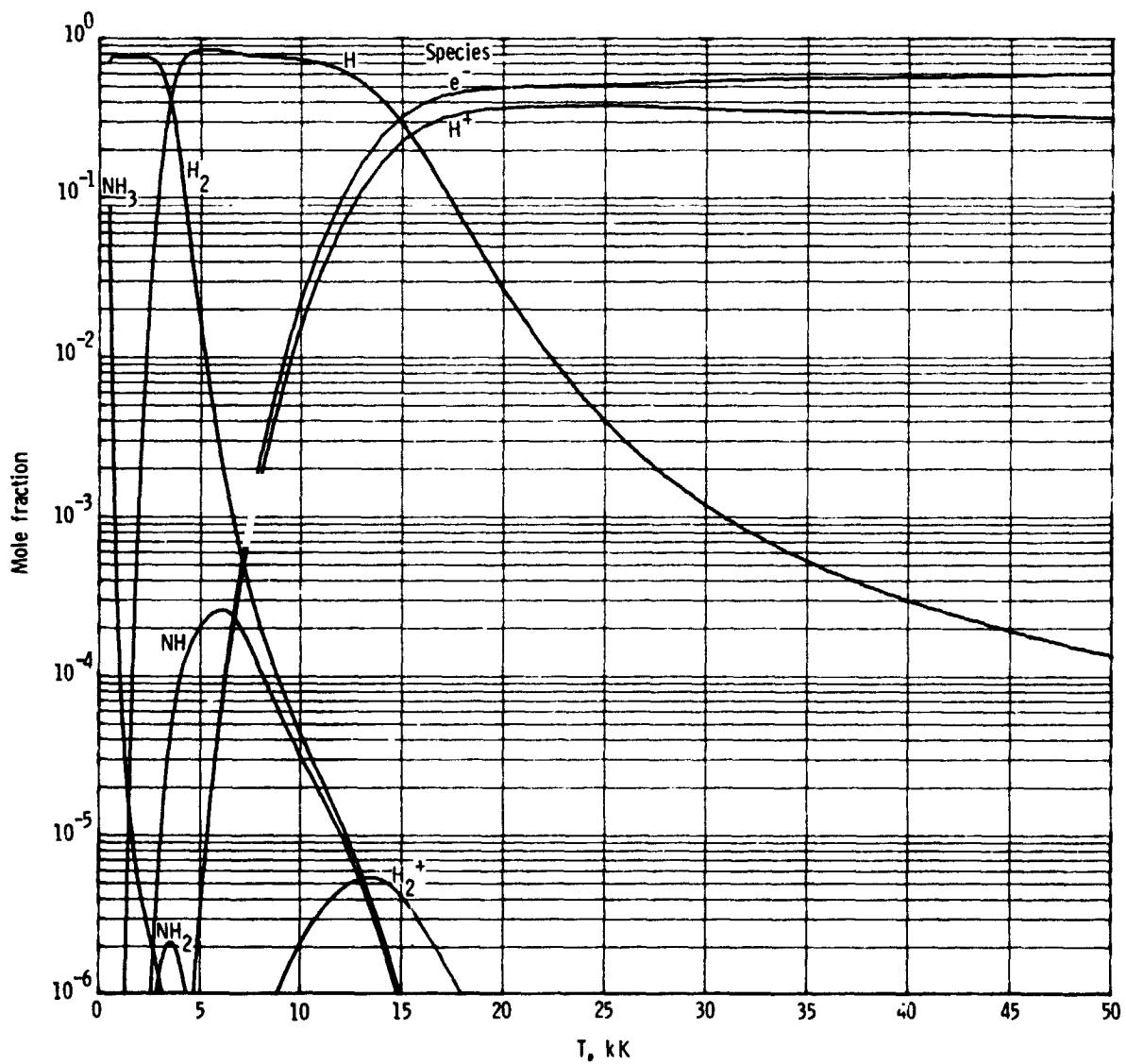
(a) $p/p_0 = 0.1.$

Figure 4.- Mole fractions for ammonia as a function of temperature for various pressures. $p_0 = 101.325 \text{ kN/m}^2.$



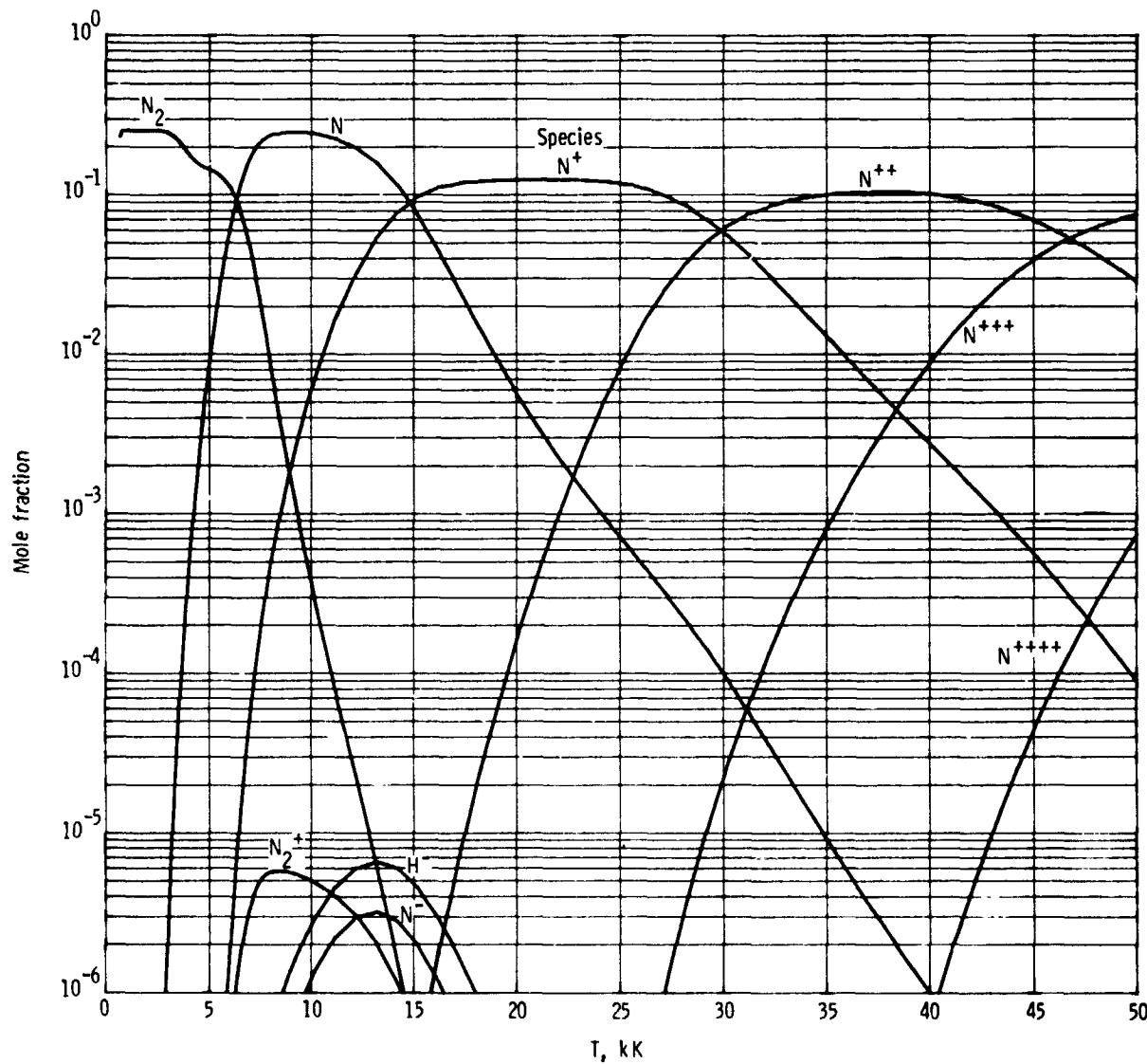
(a) Concluded.

Figure 4.- Continued.



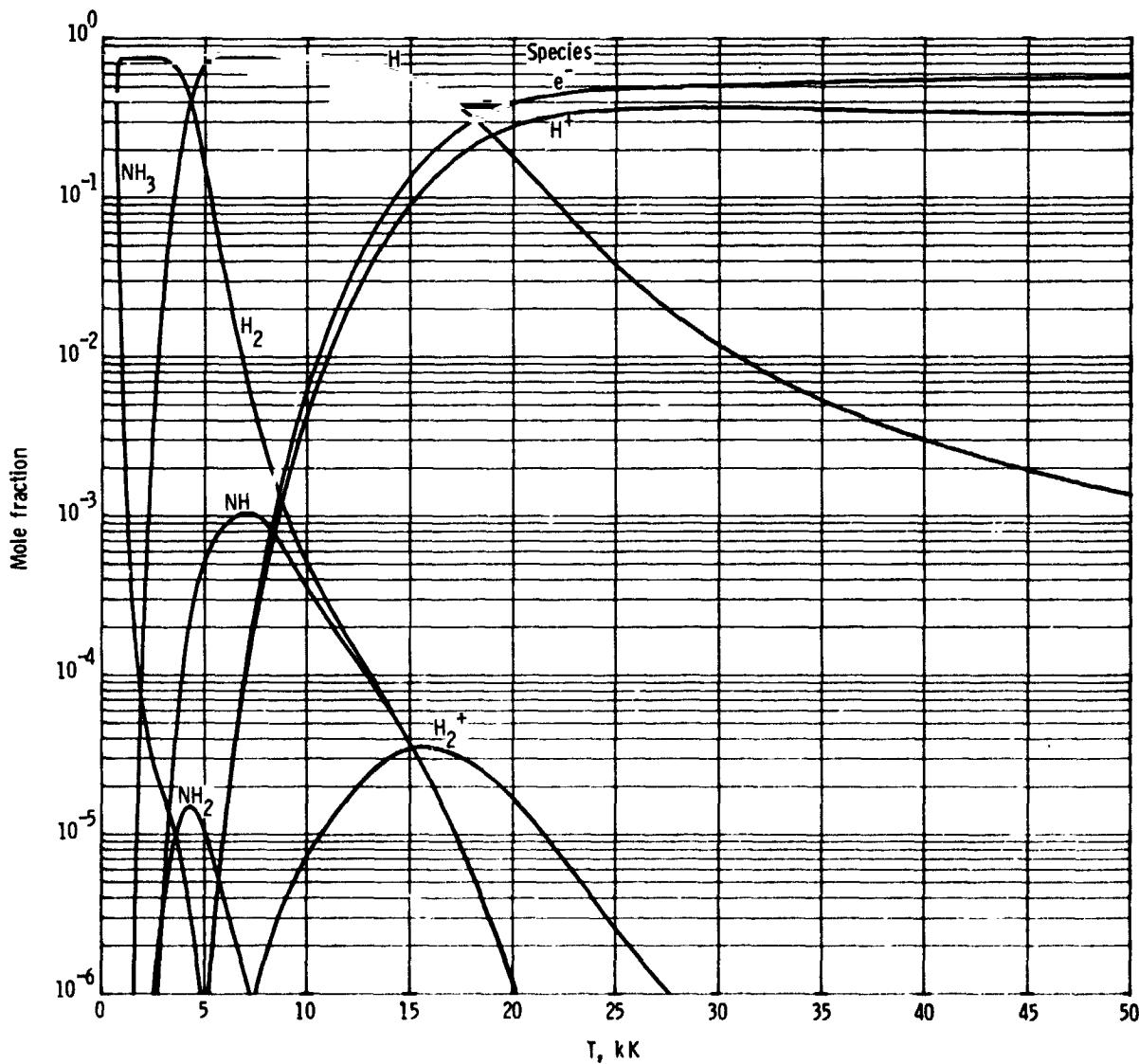
(b) $p/p_0 = 1.$

Figure 4.- Continued.



(b) Concluded.

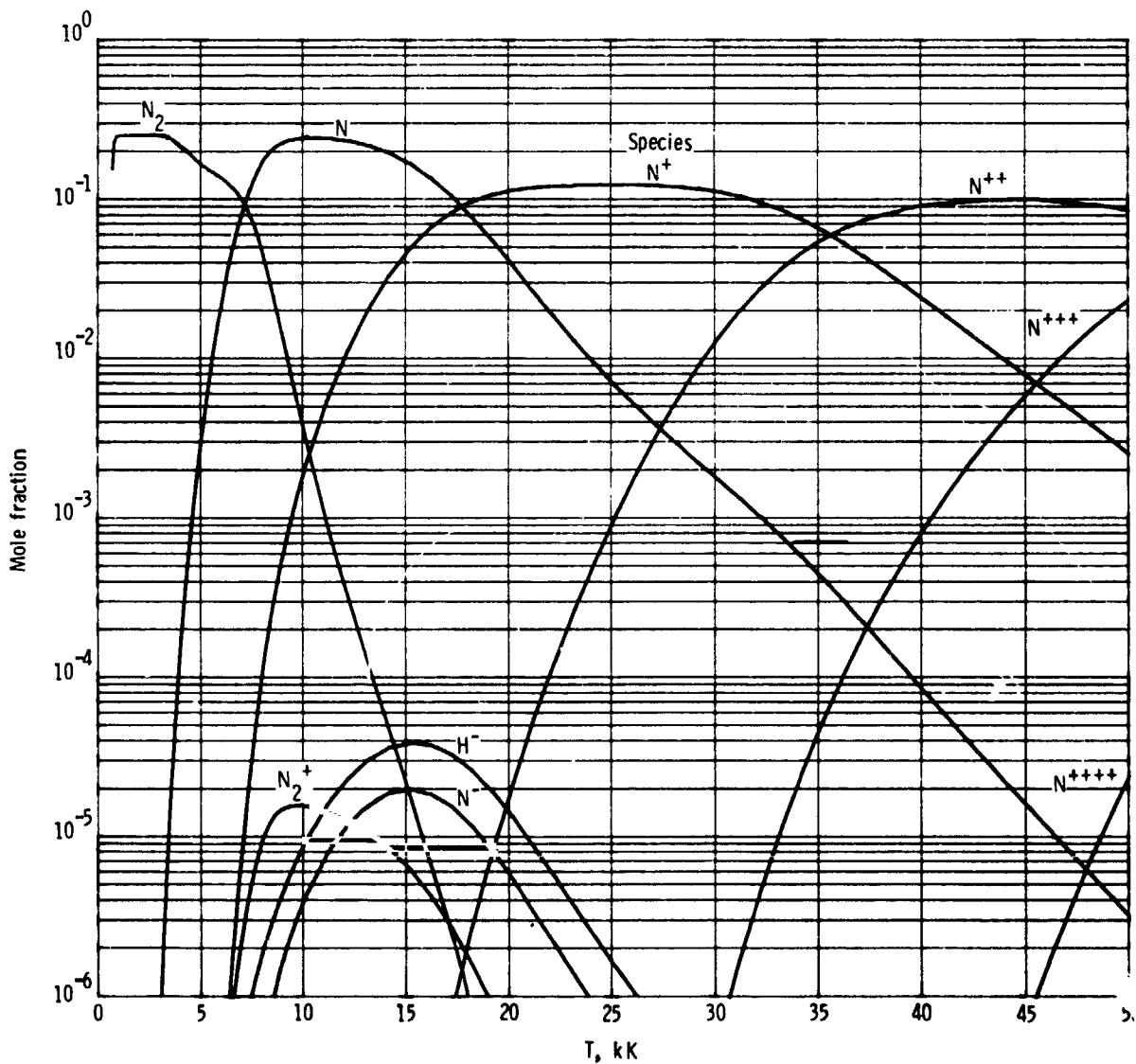
Figure 4.- Continued.



(c) $p/p_0 = 10.$

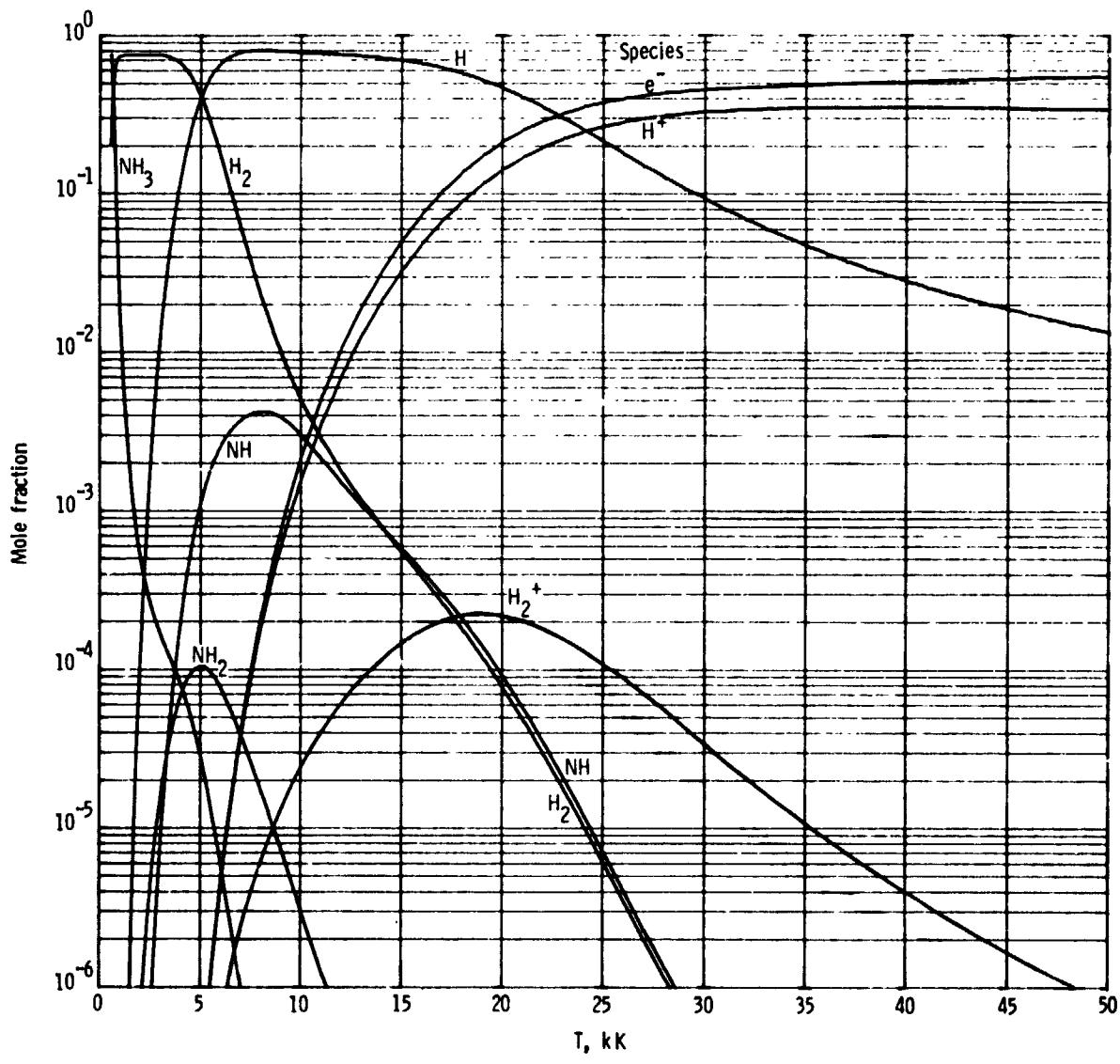
Figure 4.- Continued.

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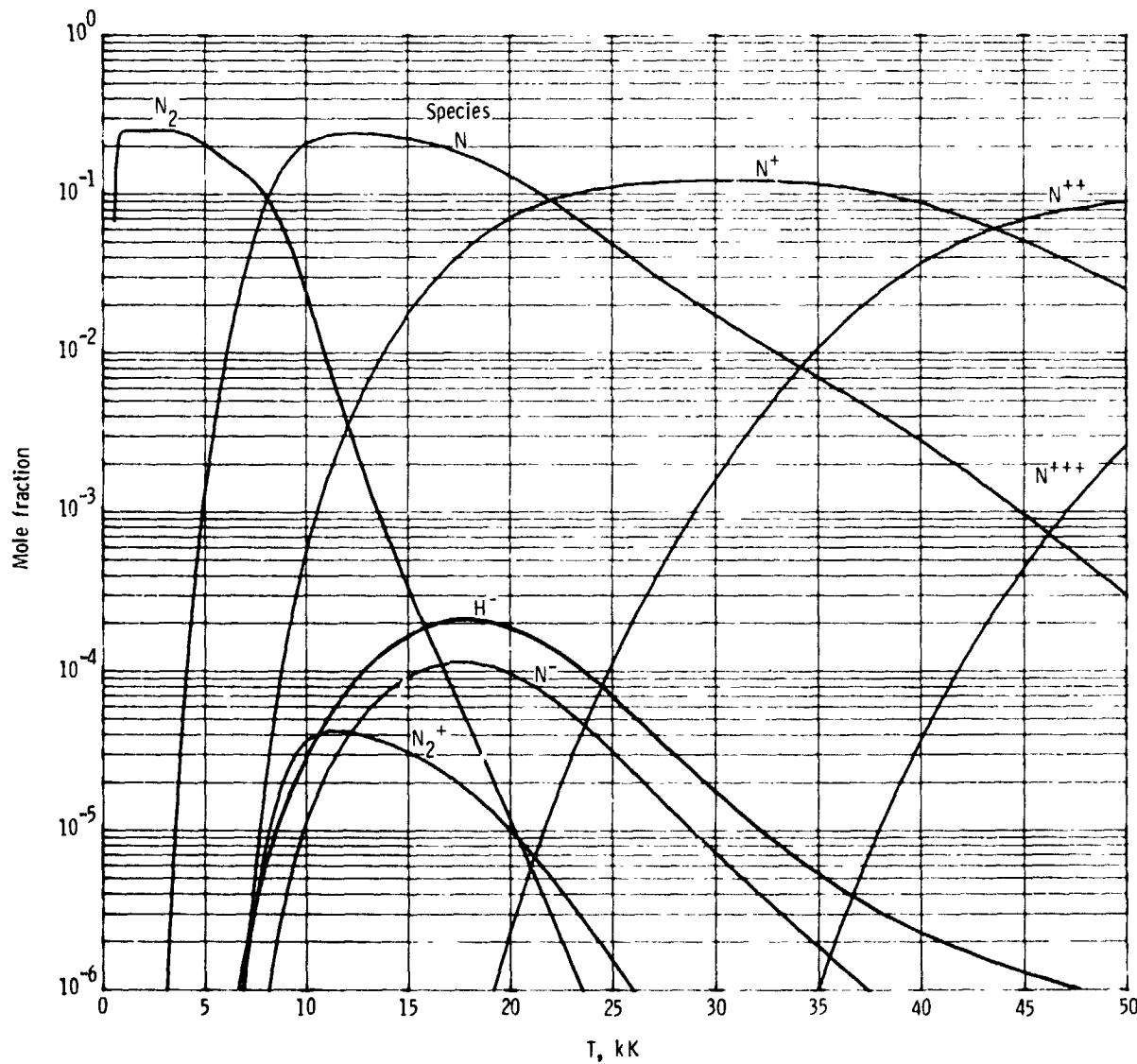
(c) Concluded.

Figure 4.- Continued.



(d) $p/p_0 = 100$.

Figure 4.- Continued.



(d) Concluded.

Figure 4.- Concluded.