INTERNET NUMBERS

STATUS OF THIS MEMO

This memo is an official status report on the network numbers used in
the Internet community. Distribution of this memo is unlimited.

Introduction

   This Network Working Group Request for Comments documents the
   currently assigned network numbers and gateway autonomous systems.
   This RFC will be updated periodically, and in any case current
   information can be obtained from Hostmaster at the DDN Network
   Information Center (NIC).

      Hostmaster
      DDN Network Information Center
      SRI International
      333 Ravenswood Avenue
      Menlo Park, California 94025

      Phone: 1-800-235-3155
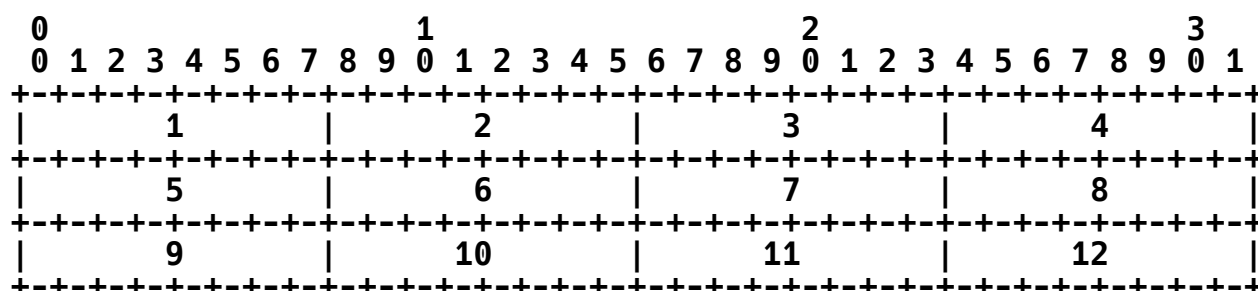
      Network mail: HOSTMASTER@SRI-NIC.ARPA

   Most of the protocols used in the Internet are documented in the RFC
   series of notes. Some of the items listed are undocumented. Further
   information on protocols can be found in the memo "Official Internet
   Protocols" [32]. The more prominent and more generally used are
   documented in the "DDN Protocol Handbook" [12] prepared by the NIC.
   Other collections of older or obsolete protocols are contained in the
   "Internet Protocol Transition Workbook" [13], or in the "ARPANET
   Protocol Transition Handbook" [14]. For further information on
   ordering the complete 1985 DDN Protocol Handbook, contact the
   Hostmaster.

   The lists below contain the name and network mailbox of the
   individuals responsible for each registered network or autonomous

Romano, Stahl & Recker   [Page 1]

system. The bracketed entry, e.g., [nn,iii], at the right hand
margin of the page indicates a reference for the listed network or
autonomous system, where the number ("nn") cites the document and the
letters ("iii") cite the NIC Handle of the responsible person. The
NIC Handle is a unique identifier that is used in the NIC
WHOIS/NICNAME service. People occasionally change electronic
mailboxes. To find out the current network mailbox or phone number
for an individual, or to get information about a registered network,
use the NIC WHOIS/NICNAME service or contact HOSTMASTER@SRI-NIC.ARPA.
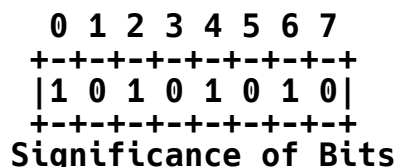
The convention used for the documentation of Internet Protocols is to
express numbers in decimal and to picture data in "big-endian" order
[8]. That is, fields are described left to right, with the most
significant octet on the left and the least significant octet on the
right.

The order of transmission of the header and data described in this
document is resolved to the octet level. Whenever a diagram shows a
group of octets, the order of transmission of those octets is the
normal order in which they are read in English. For example, in the
following diagram the octets are transmitted in the order they are
numbered.

```
 0                   1                   2                   3
 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|       1       |       2       |       3       |       4       |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|       5       |       6       |       7       |       8       |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|       9       |       10      |       11      |       12      |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

                     Transmission Order of Bytes

Whenever an octet represents a numeric quantity the left most bit in
the diagram is the high order or most significant bit. That is, the
bit labeled 0 is the most significant bit. For example, the
following diagram represents the value 170 (decimal).

```
                      0 1 2 3 4 5 6 7
                     +-+-+-+-+-+-+-+-+
                     |1 0 1 0 1 0 1 0|
                     +-+-+-+-+-+-+-+-+
```
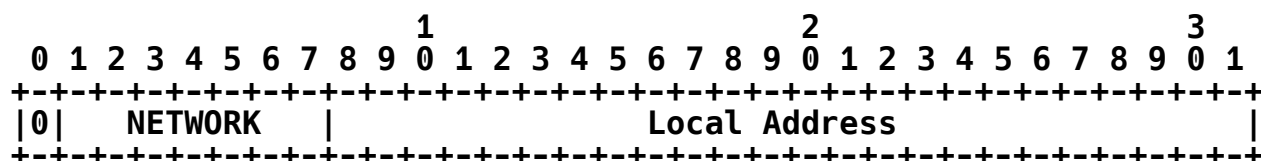   Significance of Bits

Similarly, whenever a multi-octet field represents a numeric quantity
the left most bit of the whole field is the most significant bit.

When a multi-octet quantity is transmitted the most significant octet
is transmitted first.
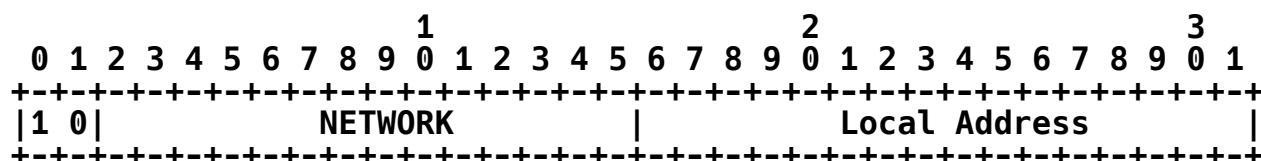
NETWORK NUMBERS

The network numbers listed here are used as internet addresses by the
Internet Protocol (IP) [12,27]. The IP uses a 32-bit address field
and divides that address into a network part and a "rest" or local
address part. The division takes 4 forms or classes.

The first type of address, or class A, has a 7-bit network number and
a 24-bit local address. The highest-order bit is set to 0. This
allows 128 class A networks.

```
                          1                   2                   3
      0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
     +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
     |0|   NETWORK   |                   Local Address                |
     +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

Class A Address

The second type of address, class B, has a 14-bit network number and
a 16-bit local address. The two highest-order bits are set to 1-0.
This allows 16,384 class B networks.

```
                          1                   2                   3
      0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
     +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
     |1 0|         NETWORK          |         Local Address          |
     +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

Class B Address

The third type of address, class C, has a 21-bit network number and a
8-bit local address. The three highest-order bits are set to 1-1-0.
This allows 2,097,152 class C networks.

```
                          1                   2                   3
      0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
     +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
     |1 1 0|                  NETWORK                 | Local Address |
     +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```
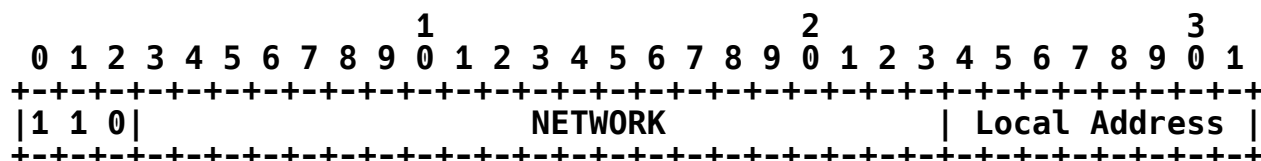
Class C Address

The fourth type of address, class D, is used as a multicast address
[11]. The four highest-order bits are set to 1-1-1-0.

```
                        1                   2                   3
    0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
   +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
   |1 1 1 0|                 multicast address                     |
   +-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

                           Class D Address

   Note: No addresses are allowed with the four highest-order bits set
   to 1-1-1-1. These addresses, called "class E", are reserved.

   One commonly used notation for internet host addresses divides the
   32-bit address into four 8-bit fields and specifies the value of each
   field as a decimal number with the fields separated by periods. This
   is called the "dotted decimal" notation. For example, the internet
   address of VENERA.ISI.EDU in dotted decimal is 010.001.000.052, or
   10.1.0.52.

   The dotted decimal notation will be used in the listing of assigned
   network numbers. The class A networks will have nnn.rrr.rrr.rrr, the
   class B networks will have nnn.nnn.rrr.rrr, and the class C networks
   will have nnn.nnn.nnn.rrr, where nnn represents part or all of a
   network number and rrr represents part or all of a local address.

   There are four catagories of users of Internet Addresses: Research,
   Defense, Government (Non-Defense), and Commercial. To reflect the
   allocation of network identifiers among the categories, a one-
   character code is placed to the left of the network number: R for
   Research, D for Defense, G for Government, and C for Commercial (see
   Appendix A for further details on this division of the network
   identification).

   Network numbers are assigned for networks that are connected to the
   research Internet and operational Internet, and for independent
   networks that use the IP family protocols (these are usually
   commercial). These independent networks are marked with an asterisk
   preceding the number.

   The administrators of independent networks must apply separately for
   permission to interconnect their network with the Internet.
   Independent networks should not be listed in the working tables of
   the Internet hosts or gateways.

   For various reasons, the assigned numbers of networks are sometimes
   changed. To ease the transition the old number will be listed for a
   transition period as well. These "old number" entries will be marked
   with a "T" following the number and preceding the name, and the

network name will be suffixed "-TEMP".

Special Addresses:

In certain contexts, it is useful to have fixed addresses with
functional significance rather than as identifiers of specific hosts.

> The address zero is to be interpreted as meaning "this",
> as in "this network".
>
> For example, the address 0.0.0.37 could be interpreted as
> meaning host 37 on this network.

The address of all ones are to be interpreted as meaning "all", as in
"all hosts".

For example, the address 128.9.255.255 could be interpreted as
meaning all hosts on the network 128.9.

The class A network number 127 is assigned the "loopback" function,
that is, a datagram sent by a higher level protocol to a network 127
address should loop back inside the host. No datagram "sent" to a
network 127 address should ever appear on any network anywhere.

Class A Networks

```
  * Internet Address      Network          Name              References
  - ----------------      -------          ----              ----------
    0.rrr.rrr.rrr         Reserved         Reserved              [JBP]
    1.rrr.rrr.rrr-2.rrr.rrr.rrr             Unassigned            [NIC]
C 3.rrr.rrr.rrr         GE-INTERNET      GE TCP/IP Net        [JEB50]
R 4.rrr.rrr.rrr         SATNET           Atlantic Sat Net      [SHB]
    5.rrr.rrr.rrr         Unassigned       Unassigned            [NIC]
D 6.rrr.rrr.rrr   T     YPG-NET          Yuma Proving Grounds [4,BWA]
D 7.rrr.rrr.rrr   T     EDN-TEMP         DCEC EDN              [EC5]
R 8.rrr.rrr.rrr   T     BBN-NET-TEMP     BBN Net              [JSG5]
    9.rrr.rrr.rrr         Unassigned       Unassigned            [NIC]
R 10.rrr.rrr.rrr        ARPANET          ARPANET            [4,JS283]
D 11.rrr.rrr.rrr        DODIIS           DoD Intel Info Sys    [AY5]
C 12.rrr.rrr.rrr        ATT              ATT Bell Labs        [MH82]
C 13.rrr.rrr.rrr        XEROX-NET        XEROX Internet     [39,JNL1]
C 14.rrr.rrr.rrr        PDN              Public Data Net     [JS283]
R 15.rrr.rrr.rrr        HP-INTERNET      HP-INTERNET        [13,WU1]
    16.rrr.rrr.rrr-17.rrr.rrr.rrr          Unassigned            [NIC]
R 18.rrr.rrr.rrr   T    MIT-TEMP         MIT Net          [7,31,DDC1]
    19.rrr.rrr.rrr-20.rrr.rrr.rrr          Unassigned            [NIC]
D 21.rrr.rrr.rrr        DDN-RVN          DDN-RVN               [MLC]
D 22.rrr.rrr.rrr        DISNET           DISNET               [JM28]
D 23.rrr.rrr.rrr        DDN-TC-NET       DDN-TestCell-Net     [DH17]
    24.rrr.rrr.rrr        Unassigned       Unassigned            [NIC]
R 25.rrr.rrr.rrr        RSRE-EXP         RSRE-EXP             [CDB4]
D 26.rrr.rrr.rrr        MILNET           MILNET               [TMH6]
R 27.rrr.rrr.rrr   T    NOSC-LCCN-TEMP   NOSC/LCCN             [RH6]
R 28.rrr.rrr.rrr        WIDEBAND         Wide Band Sat Net    [CJW2]
D 29.rrr.rrr.rrr   T    MILX25-TEMP      MILNET X.25 Temp      [MLC]
D 30.rrr.rrr.rrr   T    ARPAX25-TEMP     ARPA X.25 Temp        [MLC]
G 31.rrr.rrr.rrr        UCDLA-NET        UCDLA-CATALOG-NET    [CL64]
    32.rrr.rrr.rrr-34.rrr.rrr.rrr          Unassigned            [NIC]
R 35.rrr.rrr.rrr        MERIT            MERIT Comp Net        [HWB]
R 36.rrr.rrr.rrr   T    SU-NET-TEMP      Stanford Univ Net     [PA5]
    37.rrr.rrr.rrr-38.rrr.rrr.rrr          Unassigned            [NIC]
R 39.rrr.rrr.rrr   T    SRINET-TEMP      SRI Local Net         [JMR]
    40.rrr.rrr.rrr        Unassigned       Unassigned            [NIC]
R 41.rrr.rrr.rrr        BBN-TEST-A       BBN-GATE-TEST-A       [RH6]
R 42.rrr.rrr.rrr        CAN-INET         Canadian Rsch Net  [39,PAP4]
    43.rrr.rrr.rrr        Unassigned       Unassigned            [NIC]
R 44.rrr.rrr.rrr        AMPRNET          Amateur Rad Exp Net  [PK28]
    45.rrr.rrr.rrr-126.rrr.rrr.rrr         Unassigned            [NIC]
    127.rrr.rrr.rrr       Loopback         Loopback             [JBP]
```

Class B Networks

*	Internet Address	Network	Name	References
-	----------------	-------	----	----------
	128.0.rrr.rrr	Reserved	Reserved	[JBP]
R	128.1.rrr.rrr	BBN-TEST-B	BBN-GATE-TEST-B	[RH6]
R	128.2.rrr.rrr	CMU-NET	CMU-Ether	[HDW2]
R	128.3.rrr.rrr	LBL-CSR-NET	LBL-CSR-NET	[JS38]
R	128.4.rrr.rrr	DCNET	LINKABIT DCNET	[26,DLM1]
R	128.5.rrr.rrr	FORDNET	FORD DCNET	[26,FJB3]
R	128.6.rrr.rrr	RUTGERS	RUTGERS	[CLH3]
R	128.7.rrr.rrr	KRAUTNET	KRAUTNET	[GB7]
R	128.8.rrr.rrr	UMDNET	Univ of Maryl DCNET	[26,DLM1]
R	128.9.rrr.rrr	ISI-NET	USC-ISI Local Net	[CMR]
R	128.10.rrr.rrr	PURDUE-CS-EN	Purdue CS Ether	[39,DT50]
R	128.11.rrr.rrr	BBN-CRONUS	BBN DOS Project	[25,PK19]
R	128.12.rrr.rrr	SU-NET	Stanford Univ Net	[PA5]
D	128.13.rrr.rrr	MATNET	Mob Access Term Net	[SHB]
R	128.14.rrr.rrr	BBN-SAT-TEST	BBN SATNET Test Net	[SHB]
R	128.15.rrr.rrr	S1NET	LLL-S1-NET	[RAK12]
R	128.16.rrr.rrr	UCLNET	Univ Coll London	[PK]
D	128.17.rrr.rrr	MATNET-ALT	Mob Access Term Alt	[SHB]
R	128.18.rrr.rrr	SRINET	SRI Local Net	[JMR]
D	128.19.rrr.rrr	EDN	DCEC EDN	[EC5]
D	128.20.rrr.rrr	BRLNET	BRLNET	[4,MJM2]
R	128.21.rrr.rrr	SRI-PR-1	SRI Pck Rad-1 Net	[PEM4]
R	128.22.rrr.rrr	SRI-PR-2	SRI Pck Rad-2 Net	[PEM4]
R	128.23.rrr.rrr	BBN-PR	BBN Pck Rad Net	[JBW1]
R	128.24.rrr.rrr	ROCKWELL-PR	Rockwell Pck Rad Net	[NG]
D	128.25.rrr.rrr	BRAGG-PR	Ft. Bragg Pck Rad Net	[LDB3]
D	128.26.rrr.rrr	SAPE-AIRNET	RADC-SAPE-PR-NET	[CAD13]
D	128.27.rrr.rrr	DEMO-PR-1	Demo-1 Pck Rad Net	[LCS]
D	128.28.rrr.rrr	C3-PR-TEMP	Testbed Dev PR NET	[VDC1]
R	128.29.rrr.rrr	MITRE	MITRE Cablenet	[37,TML]
R	128.30.rrr.rrr	MIT-NET	MIT Local Net	[DDC1]
R	128.31.rrr.rrr	MIT-RES	MIT Rsch Net	[DDC1]
R	128.32.rrr.rrr	UCB-ETHER	UC Berkeley Ether	[RWH5]
R	128.33.rrr.rrr	BBN-NET	BBN Net	[JSG5]
R	128.34.rrr.rrr	NOSC-LCCN	NOSC/LCCN	[RH6]
R	128.35.rrr.rrr	CISLTESTNET1	Honeywell	[17,18,JLM23]
R	128.36.rrr.rrr	YALE-NET	YALE Net	[39,HML1]
D	128.37.rrr.rrr	YUMA	Yuma Proving Grounds	[4,BWA]
D	128.38.rrr.rrr	NSWC-NET	NSWC Local Host Net	[VHB]
R	128.39.rrr.rrr	NTANET	NDRE-TIU	[PS27]
R	128.40.rrr.rrr	UCL-NET-A	Univ Coll London	[BAW9]
R	128.41.rrr.rrr	UCL-NET-B	Univ Coll London	[BAW9]
R	128.42.rrr.rrr	RICE-NET	Rice Univ	[39,PGM]
R	128.43.rrr.rrr	DRENET	Canada REF ARPANET	[4,JR17]

```
D 128.44.rrr.rrr         WSMR-NET        White Sands Net         [CAS1]
C 128.45.rrr.rrr         DEC-WRL-NET     DEC WRL Net           [39,RKJ2]
R 128.46.rrr.rrr         PURDUE-NET      Purdue Camp Net         [DT50]
D 128.47.rrr.rrr         TACTNET         Tactical Pck Net       [3,KTP]
G 128.48.rrr.rrr         UCDLA-NET-B     UCDLA-Net-B            [4,CL64]
R 128.49.rrr.rrr         NOSC-ETHER      NOSC Ether            [39,RLB3]
G 128.50.rrr.rrr         COINS           COINS On-Line Intel Net [RLS6]
G 128.51.rrr.rrr         COINSTNET       COINS Test Net          [RLS6]
R 128.52.rrr.rrr         MIT-AI-NET      MIT AI NET             [39,MDC]
R 128.53.rrr.rrr         SAC-PR-2        SAC PRNET Number 2      [VDC1]
R 128.54.rrr.rrr         UCSD            UC San Diego Net      [39,GH29]
R*128.55.rrr.rrr         MFENET          LLNL MFE Net          [39,BCH2]
D 128.56.rrr.rrr         USNA-NET        US Naval Acad Net        [TS9]
D 128.57.rrr.rrr         DEMO-PR-2       Demo-2 Pck Rad Net       [LCS]
C 128.58.rrr.rrr         SPAR            Schlumberger PA Net   [39,SL10]
R 128.59.rrr.rrr         CU-NET          Columbia Univ         [39,BC14]
D 128.60.rrr.rrr         NRL-LAN         NRL Lab Area Net         [WF3]
R 128.61.rrr.rrr         GATECH          Georgia Tech          [39,DD11]
R 128.62.rrr.rrr         MCC-NET         MCC Corp Net           [39,CBD]
R 128.63.rrr.rrr         BRL-SUBNET      BRL-SUBNET-EXP          [MJM2]
R 128.64.rrr.rrr-128.79.rrr.rrr          Net Dynamics Exp         [ZSU]
D 128.80.rrr.rrr         CECOMNET        CECOM EPR NET           [PFS2]
R 128.81.rrr.rrr         SYMBOLICS       SYMBOLICS              [39,CH2]
R*128.82.rrr.rrr         ODU             ODU Rsch Net            [AKG2]
R 128.83.rrr.rrr         UTAUSTIN        Univ of Texas Austin  [39,JSQ1]
R 128.84.rrr.rrr         CORNELL-NET     Cornell Backbone Net   [39,DK2]
C*128.85.rrr.rrr         DRILL-NET       Teleco Drilltech Net    [DBJ4]
R 128.86.rrr.rrr         MRC             UK.CO.GEC.RL.MRC        [RHC3]
R 128.87.rrr.rrr         HIRST           UK.CO.GEC.RL.HRC        [RHC3]
R*128.88.rrr.rrr         HP-NET          HEWLETT-PACKARD-NET     [AG67]
R 128.89.rrr.rrr         BBN-ENET        BBN Ether Net          [39,SGC]
C*128.90.rrr.rrr         SCRIBE          Scribe Sys            [39,ERC1]
R 128.91.rrr.rrr         UPENN           UPenn Camp Net         [39,IW5]
R 128.92.rrr.rrr         INTELLINET      INTELLICORP NET       [39,RJL3]
R*128.93.rrr.rrr         INRIA-ROCQU     INRIA Rocquencourt     [MS171]
C*128.94.rrr.rrr         SYSNET          AT&T SYSNet              [EY5]
R 128.95.rrr.rrr         WASHINGTON      Comp Sci Ether Net    [39,RA17]
C 128.96.rrr.rrr         BELLCORE-NET    BELLCORE-NET            [PK28]
R 128.97.rrr.rrr         UCLANET         UCLA Net                 [RBW]
R 128.98.rrr.rrr         RSRE-EN2        RSRE-EXP-NET-2         [JW156]
C 128.99.rrr.rrr         NORTHROP-NET    Northrop Net          [39,RSM1]
R*128.100.rrr.rrr        TORONTO         Univ of Toronto Net   [39,BD55]
R 128.101.rrr.rrr        UMN-NET         Univ of Minn            [SB12]
G 128.102.rrr.rrr        AMES-NET        Ames Backbone Net     [39,MSM1]
R 128.103.rrr.rrr        HARV-FIBER      Harv FiberOp Ether    [39,SB28]
R 128.104.rrr.rrr        WISC-HERD       Univ of Wisconsin     [39,EJN1]
R 128.105.rrr.rrr        WISC            Univ of Wisconsin    [39,JB188]
D 128.106.rrr.rrr        SRI-PSON-1      ADEA/SRI Ft. Lewis      [ERK3]
```

```
D 128.107.rrr.rrr   LEWIS-PRNET1    ADEA/SRI Ft. Lewis      [ERK3]
D 128.108.rrr.rrr   LEWIS-PRNET2    ADEA/SRI Ft. Lewis      [ERK3]
R 128.109.rrr.rrr   TUCC-MCNC       TUCC-MCNC NC Net        [JRR14]
R 128.110.rrr.rrr   UTAH-NET        UTAH-Camp-NET           [JL15]
R 128.111.rrr.rrr   UCSB            Univ of CA, San Bar     [PKH1]
R 128.112.rrr.rrr   PRINCETON       Princeton Univ          [LRR1]
R 128.113.rrr.rrr   RPINET          RPI-LOCALNET            [JF78]
R 128.114.rrr.rrr   UCSC            Univ of CA, San Cruz [39,JHH8]
R 128.115.rrr.rrr   LLL-LABNET      LLNL Open Labnet        [LL64]
R 128.116.rrr.rrr   USAN            UNIV Sat NET         [39,BLI]
R 128.117.rrr.rrr   UCAR            UNIV CORP ATM RSCH   [39,BLI]
R 128.118.rrr.rrr   PENN-STATE      Penn State Net          [SJS11]
R 128.119.rrr.rrr   UMASS-NET       UMass COINS Dept LAN [39,GW40]
R 128.120.rrr.rrr   UCDAVIS         Univ of CA, Davis Net [39,RH5]
R 128.121.rrr.rrr   JVNC-NET        John von Neu Ctr Net    [SH37]
R 128.122.rrr.rrr   NYU-NET         NYU Camp Net            [BJR2]
R 128.123.rrr.rrr   NMSU            N M State Univ       [39,MSP1]
R 128.124.rrr.rrr   NTA-TEMP        NTARE BF-TO-PDP11       [TM10]
R 128.125.rrr.rrr   USCNET          USC Camp Net         [39,MAB4]
R 128.126.rrr.rrr   UNISYS-PRC      UNISYS-PRC           [39,MS22]
C 128.127.rrr.rrr   FTP-SOFTWARE    FTP Soft Net            [JBV2]
R 128.128.rrr.rrr   WHOINET         WHOI Camp Net           [ARM5]
C*128.129.rrr.rrr   CGI             Carnegie Grp            [RA62]
R*128.130.rrr.rrr   TUNET-T         TU Wien Term Net     [39,GP56]
R*128.131.rrr.rrr   TUNET-F         TU Wien File Net     [39,GP56]
G*128.132.rrr.rrr   RADC-LONS       RADC-LONS Net        [39,GG43]
G*128.133.rrr.rrr   AFSC-LONS       AFSC-LONS Net        [39,GG43]
R 128.134.rrr.rrr   SDN             System Dev Net        [5,6,HC2]
R 128.135.rrr.rrr   U-CHICAGO       UnivOFCHICAGO        [39,MC17]
R 128.136.rrr.rrr   TEK-ALLNET      Teknowledge-Net      [39,TE16]
R*128.137.rrr.rrr   GENNET1         Genentech Corp Net   [39,SM96]
R 128.138.rrr.rrr   COLORADO        U Colo Boulder       [39,RAJ8]
R 128.139.rrr.rrr   ILAN            Israel Academic Net  [39,DB35]
R 128.140.rrr.rrr   EMORY-INET      Emory Internet       [39,AR60]
R*128.141.rrr.rrr   CERN-ETHER      DD Main Ether        [39,BMS2]
R*128.142.rrr.rrr   CERN-TOKEN      DD Main IBM Token    [39,BMS2]
R 128.143.rrr.rrr   VIRGINIA        Univ of Virginia    [39,JAJ17]
R*128.144.rrr.rrr   ARC-CALGARY     Alta Rsch Calgary       [DK66]
R 128.145.rrr.rrr   NYSERNET        NYSERNET                [MS9]
R 128.146.rrr.rrr   OHIO-STATE      Ohio State Univ         [RSD2]
R 128.147.rrr.rrr   U-PGH-NET       Univ Pittsburgh Net     [SM6]
R 128.148.rrr.rrr   BROWN-UNIV      Brown Univ Net          [MR29]
G 128.149.rrr.rrr   JPL-NET         JPL Central Net         [MSM1]
G 128.150.rrr.rrr   NSF-LAN         NSF-LAN                 [FW17]
R 128.151.rrr.rrr   UR-NET          Univ of Rochester       [TM57]
C 128.152.rrr.rrr   HAC-ENET        Hughes Air VLSI Net     [PH45]
R 128.153.rrr.rrr   CLARKSON        Clarkson Univ           [ABS6]
G 128.154.rrr.rrr   GSFC-NET        GSFC Central Net        [MSM1]
```

```
     G 128.155.rrr.rrr    LARC-NET        LARC Central Net          [MSM1]
     G 128.156.rrr.rrr    LERC-NET        LERC Central Net          [MSM1]
     G 128.157.rrr.rrr    JSC-NET         JSC Central Net           [MSM1]
     G 128.158.rrr.rrr    MSFC-NET        MSFC Central NEt          [MSM1]
     G 128.159.rrr.rrr    KSC-NET         KSC Central Net           [MSM1]
     G 128.160.rrr.rrr    NSTL-NET        NSTL Central Net          [MSM1]
     G 128.161.rrr.rrr    NSN-NET         NASA Sci Net              [MSM1]
     C 128.162.rrr.rrr    CRAY-NET        Cray Rsch                 [DB14]
     R 128.163.rrr.rrr    UKY             Univ of Kentucky          [GB43]
     R 128.164.rrr.rrr    GWU-GATE        George Wash Univ          [TT35]
     G 128.165.rrr.rrr    LANL-INET       LANL Inter-Net            [JC11]
     D*128.166.rrr.rrr    BAC-NET         Boeing Aero Corp Net      [JJ48]
     R 128.167.rrr.rrr    SURA            SURAnet                   [JH92]
     C 128.168.rrr.rrr    GOLDHILL        Gold-Hill-Comps           [GM34]
     R 128.169.rrr.rrr    UTK             Univ Tenn-Knoxville      [JDC20]
     R 128.170.rrr.rrr    SDC-CAM         SDC Camarillo R&D Net      [DSR]
     R*128.171.rrr.rrr    HAWAII          Univ of Hawaii            [BC32]
     R 128.172.rrr.rrr    VCU-LAN         VCU-LAN                   [JN40]
     R 128.173.rrr.rrr    VA-TECH         Virginia Tech Net         [PB40]
     R 128.174.rrr.rrr    UIUC-CAMPUS-B   UIUC Camp Net             [PP14]
     R 128.175.rrr.rrr    UDELNET         U of Delaware Net         [DJG2]
     R*128.176.rrr.rrr    DMSWWU-ETHER    DMSWWU Ether              [GR26]
     C*128.177.rrr.rrr    BLI-NET         Britton Lee Net            [EPA]
     R*128.178.rrr.rrr    EPF-ETHER1      Ecublens Camp Net          [YD2]
     R*128.179.rrr.rrr    EPF-ETHER2      Cedres Camp Net            [YD2]
     R 128.180.rrr.rrr    LEHIGH          Lehigh Univ           [39,MM149]
     C 128.181.rrr.rrr    TEKTRONIX       Tektronix Eng            [JB218]
     R 128.182.rrr.rrr    PSCNET          PSC Affiliates NEt        [JTE2]
     R 128.183.rrr.rrr    GSFC            GSFC NASA                [JB113]
     R*128.184.rrr.rrr    DEAKINET        Deakin Univ Net          [JM303]
     C 128.185.rrr.rrr    PROTEON-NET     Proteon Net               [JS28]
     R 128.186.rrr.rrr    FSU             Florida State Univ        [KMH8]
     R 128.187.rrr.rrr    BYU-NET         BYU-NET                   [KCM2]
     R 128.188.rrr.rrr    M2CNET          Mass VLSI/CAD Net          [SD1]
     R 128.189.rrr.rrr    BCNET           British Columbia Net      [DO26]
     G 128.190.rrr.rrr    BELVOIR         BRADEC SubNet             [DH30]
     C*128.191.rrr.rrr    NECIS-NET       NEC Info Sys Net          [DP71]
     R 128.192.rrr.rrr    UGA             UGNET                     [EHH4]
     R 128.193.rrr.rrr    ORST            Oregon State Univ Ne      [BA26]
     R 128.194.rrr.rrr    TAMU-NET        Texas A&M Univ            [WM68]
     R 128.195.rrr.rrr    UCIICS-NET      UCI ICS Net               [RAJ3]
     R 128.196.rrr.rrr    UNIV-ARIZ       U of Ariz Rsch Net        [ALG4]
     R 128.197.rrr.rrr    BU-NET          BU-NET                    [JSOL]
     R 128.198.rrr.rrr    CU-COLOSPGS     CU-Colo-Spgs-Net      [39,RDG12]
     R*128.199.rrr.rrr    STC             STC PLC Company Net       [AM54]
     R 128.200.rrr.rrr    UCI-NET         UCI Camp Net              [DW96]
     R*128.201.rrr.rrr    REUNIR          Reseau des Univ           [RN25]
     D 128.202.rrr.rrr    CSOCNET         2SW SPACENET LAN         [JJD12]
```

```
   R*128.203.rrr.rrr   UB-INC            Ungermann-Bass Inc       [DXC]
   R 128.204.rrr.rrr   ALBNYNET          U at Albany Net          [BEC1]
   R 128.205.rrr.rrr   UBUFFALONET       UNIVOFBUFFALONET         [CFD4]
   R 128.206.rrr.rrr   MONET             Univ-of-Mo-Net           [BEC5]
   C*128.207.rrr.rrr   BOEING-PSN        Boeing-Puget Sound       [39,JSY2]
   R 128.208.rrr.rrr   WASH-NSF          Wash-NSF                 [39,SH47]
   C 128.209.rrr.rrr   NYNEXSTNET        NYNEX Sci and Tech       [MC65]
   R 128.210.rrr.rrr   PURDUE-CCNET      Purdue Comp Ctr          [39,JS81]
   R 128.211.rrr.rrr   PURDUE-CS-CYP     CYPRESS-HUB-PURDUE       [DT50]
   C*128.212.rrr.rrr   ISCNET            ISC Corp Net             [DM27]
   R 128.213.rrr.rrr   RPICSNET          RPI CSNet                [39,MS9]
   R*128.214.rrr.rrr   FUNET             Finnish Univ Net         [39,JH141]
   C*128.215.rrr.rrr   INTEL-NT          INTEL Eng Net            [12,HC24]
   D 128.216.rrr.rrr   CC-PRNET          CENTCOM Pck Rad Net      [39,GIH]
   G*128.217.rrr.rrr   NASA-KSC-OIS      NASA KSC OIS             [39,GG43]
   R 128.218.rrr.rrr   UCSF-NET          Univ of CA, San Fran     [39,TF6]
   R 128.219.rrr.rrr   ORNL-NETB1        ORNL Local Area Net      [24,THD]
   R 128.220.rrr.rrr   JHU               Johns Hopkins Univ       [39,MH98]
   R 128.221.rrr.rrr   DGPN1             Data Gen Priv Net 1      [39,PSS1]
   C 128.222.rrr.rrr   DGPN2             Data Gen Priv Net 2      [39,PSS1]
   R 128.223.rrr.rrr   UONET             Univ of Oregon Net       [39,DS85]
   C*128.224.rrr.rrr   EPILOGUE          Epilogue Tech            [KA4]
   C*128.225.rrr.rrr   BOEING-EN         Boeing-East Net          [39,JSY2]
   R 128.226.rrr.rrr   BINGHAMTON        UNIVATBINGHAMTON         [39,RM120]
   R 128.227.rrr.rrr   UFNET             Univ of Florida Net      [39,AW48]
   R 128.228.rrr.rrr   CUNY              City Univ of NY          [39,SMP2]
   R 128.229.rrr.rrr   ADSNET            Adv Dec Sys Net          [39,JMH10]
   R 128.230.rrr.rrr   SYR-UNIV-NET      Syracuse Univ Net        [39,JW47]
   G 128.231.rrr.rrr   NIH-NET           Natl Insts of Health     [12,RF57]
   R*128.232.rrr.rrr   CL-CAM-AC-UK      Univ Camb Comp Lab       [39,MAJ1]
   R*128.233.rrr.rrr   USASK             Univ of Sask Net         [39,LRC7]
   R*128.234.rrr.rrr   COS-NET           COS Net                  [39,AP25]
   R 128.235.rrr.rrr   NJIT              NJIT Net                 [39,BM79]
   D 128.236.rrr.rrr   USAFA-NET         US AF Acad Net           [39,GEOFF]
   R 128.237.rrr.rrr   CMU-SEI-NET       SEI Ether                [39,PDB5]
   R 128.238.rrr.rrr   POLY-U-NET        Polytech Univ Net        [39,AMM14]
   R 128.239.rrr.rrr   WM-NET            William and Mary Net     [39,SF34]
   R*128.240.rrr.rrr   NCL               Newcastle Camp Net       [39,AL46]
   R 128.241.rrr.rrr   SESQUINET         SESQUINET                [GTA]
   R 128.242.rrr.rrr   MIDNET            Midwest Reg Net          [MM147]
   R*128.243.rrr.rrr   NOTT-AC-UK        Univ of Notting Net      [39,WA16]
   D 128.244.rrr.rrr   APL-NET           Applied Phy Lab Net      [39,SAK3]
   R 128.245.rrr.rrr   SRA-CT-NET        SRA-CONNECTICUT-NET      [15,JSS4]
   C*128.246.rrr.rrr   CGCH-WIRZ         WIRZ Scientific Net      [12,HN3]
   C 128.247.rrr.rrr   TI                Texas Instruments        [DF71]
   R 128.248.rrr.rrr   UIC-NET           Univ of Ill-Chicago      [39,EZ3]
   R 128.249.rrr.rrr   TMC-NET           Texas Med Ctr Net        [39,SB98]
   R*128.250.rrr.rrr   UNIMELB           Univ of Melbourne        [39,CC89]
```

```
   C*128.251.rrr.rrr      ROCKW-TELEDA     Rockwell-Tele        [39,JCW12]
   R 128.252.rrr.rrr      WASHINGTON-U     Wash Univ Net        [21,DGH13]
   R 128.253.rrr.rrr      CCS-NET          Cornell U Comp Net     [DC126]
   R*128.254.rrr.rrr      FMC-NOD          FMC-NOD               [39,WCW7]
   R 128.255.rrr.rrr      UIOWA            Univ of Iowa Camp Net   [LT28]
     129.0.rrr.rrr        Reserved         Reserved                 [JBP]
   R 129.1.rrr.rrr        BGSU             Bowling Green State      [SH71]
   R 129.2.rrr.rrr        UMD-BOGON-NET    UMD Student Net       [39,LAM1]
   R 129.3.rrr.rrr        SUNY-OSWEGO-NET  SUNY - Oswego         [39,PRT2]
   C 129.4.rrr.rrr        TRW              TRW Info Net          [39,GGB2]
   R*129.5.rrr.rrr        HGCNET           HARTFORDGRADCTRGNET    [38,AG61]
   G 129.6.rrr.rrr        NBS              NBS Net               [39,CWH3]
   R 129.7.rrr.rrr        UH-NET           Univ of Houston Net  [39,JH155]
   R*129.8.rrr.rrr        CSUFRESNO        CSUFresno CSci Net     [39,RP88]
   C*129.9.rrr.rrr        CHRYSLER-NET     CHRYSLER-INTERNET       [RER20]
   R 129.10.rrr.rrr       NORTHEASTERN-NET NORTHEASTERN Net      [39,CJ38]
   R*129.11.0.rrr         LEEDS            Leeds Univ Net       [39,AJC11]
   R*129.12.rrr.rrr       UKC              UKC Camp Net          [39,SL55]
   R*129.13.rrr.rrr       LINK             Karlsruhe Net         [39,MR78]
   C*129.14.rrr.rrr       SBINY            Salomon Brothers Inc [39,BC72]
   R 129.15.rrr.rrr       UOKNOR           Univ of Okla, Norman    [JW136]
   R*129.16.rrr.rrr       CTH-NET          Chalmers Univ           [GL41]
   R*129.17.rrr.rrr       SSED-NET         Honeywell-SSED-NET     [DM147]
   C 129.18.rrr.rrr       NEXT-NET         NEXT, Inc Net         [39,PFK]
   R 129.19.rrr.rrr       WESTNET          Western Reg Net       [39,DCMW]
   R*129.20.rrr.rrr       VERDUR           VERDUR                  [RN25]
   R*129.21.rrr.rrr       RIT              Rochester InstofTech [39,CF35]
   R 129.22.rrr.rrr       CWRUNET          CWRU Camp Net         [39,JAG3]
   R 129.23.rrr.rrr       SDIO-INTERNET    SDIO Wide Area Inter  [39,KDZ]
   R 129.24.rrr.rrr       UNM-CDCN         Univ of New Mexico Net  [GB95]
   R 129.25.rrr.rrr       DREXEL           Drexel Univ           [39,RR97]
   R*129.26.rrr.rrr       GMD-DE           GMD Net (Germany)     [39,PM72]
   C*129.27.rrr.rrr       WEDGE-NET        Wedge Comp Net           [DTH]
   C 129.28.rrr.rrr       ETA-LAN          ETA-LAN St. Paul     [2,DGM18]
   D 129.29.rrr.rrr       USMANET          US Military Acad Net [39,BAT4]
   C 129.30.rrr.rrr       HONEYWELL        Honeywell Inc Net     [39,DB97]
   R*129.31.rrr.rrr       ICNET            Imperial Coll         [39,LM88]
   R 129.32.rrr.rrr       TEMPLE           Temple Univ Net  [29,39,TES16]
   R 129.33.rrr.rrr-129.42.rrr.rrr         IBM Research Net         [MT1]
   R 129.43.rrr.rrr       NCI-FCRF         Frederick Cancer Net [39,WLB5]
   C*129.44.rrr.rrr       NYTEL1095NET     NYTEL1095NET          [39,HT12]
   C*129.45.rrr.rrr       NYTELNOCNET1     NYTELNOCNET1          [39,JO54]
   C 129.46.rrr.rrr       QUALNET          QUALCOMM Ether        [39,TM37]
   C*129.47.rrr.rrr       SYTEK-INC        Sytek Corp MV           [AB90]
   D 129.48.rrr.rrr       WPAFB-CDS-NET    WPAFB-CDS-Net         [39,CMC6]
   R 129.49.rrr.rrr       SUNY-SB          SUNY at Stony Brook [39,JM184]
   G*129.50.rrr.rrr       PSCN             NASA/PSCN TCP/IP        [BRB8]
   D 129.51.rrr.rrr       ESMC-LONS        SAMTO-ESMC LONS       [39,SWR3]
```

```
     D 129.52.rrr.rrr      WPAFB-LONS      W. Patt AFB LONS    [39,SWR3]
     D 129.53.rrr.rrr      ESD-LONS        Hanscom AFB ESD LONS [39,SWR3]
     D 129.54.rrr.rrr      WSMC-LONS       SAMTO-WSMC LONS     [39,SWR3]
     R 129.55.rrr.rrr      LINCOLN-MI      Lincoln Mach Int Net  [39,GAA]
     D*129.56.rrr.rrr      AUXNET-PR       CAP Pck Rad Net         [KFS]
     R 129.57.rrr.rrr      CEBAF           CEBAF Local Area Net [39,RG94]
     D*129.58.rrr.rrr      SRPNET          Savannah Riv Plt Net [39,MJ33]
     R 129.59.rrr.rrr      VANDERBILT      Vanderbilt Univ        [RHA8]
     R*129.60.rrr.rrr      NTT-INET        NTT Rsch Lab Net  [21,39,YS10]
     D 129.61.rrr.rrr      ECONET          Eglin Comp Net        [39,CG1]
     R*129.62.rrr.rrr      BAYLOR          Baylor Univ Prim Net [39,BL31]
     R 129.63.rrr.rrr      ULOWELL-NET     Univ of Lowell Net   [39,BP51]
     R*129.64.rrr.rrr      BRANDEIS        Brandeis Univ         [JSM11]
     R*129.65.rrr.rrr      CALPOLY         Cal Poly State U-SLO [39,ML95]
     R 129.66.rrr.rrr      ASN-NET         Alabama Super Net   [27,JRS48]
     R*129.67.rrr.rrr      OXFORDNET       Oxford Univ Ether   [39,MH118]
     R*129.68.rrr.rrr      SJU-NET         St. Joseph's Ether  [39,JP147]
     R*129.69.rrr.rrr      RUS-NET         Univ of Stuttgart Net  [KDM6]
     R*129.70.rrr.rrr      BINET           Bielefeld Univ Net   [27,WH64]
     R 129.71.rrr.rrr      WVNET           West Virginia Net     [RL104]
     R 129.72.rrr.rrr      UWYO            Univ of Wyoming Net [39,RM177]
     C 129.73.rrr.rrr      SIEMENS         Siemens Rsch        [39,DAM22]
     R*129.74.rrr.rrr      NOTRE-DAME      Univ of Notre Dame Net  [MDE3]
     C*129.75.rrr.rrr      MASSCOMP-NET    MASSCOMP Corp Net    [39,BD56]
     C*129.76.rrr.rrr      ROSEMOUNT       Rosemount Inc        [39,DM69]
     C*129.77.rrr.rrr      OXFORD-TP       Oxford Trading Part  [39,KRM5]
     R*129.78.rrr.rrr      SYDNET          Univ of Sydney Info Net [BK46]
     R 129.79.rrr.rrr      INDIANA-NET     Indiana Univ Net      [BSS69]
     C*129.80.rrr.rrr      STORTEK         Storage Tek Corp    [21,DB162]
     R*129.81.rrr.rrr      TULANE-NET      Tulane Univ         [21,JV41]
     R 129.82.rrr.rrr      CSUNET          Colo State Univ      [39,SM83]
     D*129.83.rrr.rrr      MITRE-B-NETB    MITRE-BEDFORD EtherB  [39,BSW]
     C*129.84.rrr.rrr      TWG-NET         The Wollongong Net    [JS171]
     R 129.85.rrr.rrr      ROCK            Rockefeller Univ     [39,MK38]
     C*129.86.rrr.rrr      SANDERS         Sanders Assoc, Inc   [39,RT60]
     C*129.87.rrr.rrr      SLBSDRNET       Schlumberger SDR Net [39,RK75]
     R*129.88.rrr.rrr      IMAG            Grenoble CS Labs       [PL37]
     R 129.89.rrr.rrr      MILW-IPNET      UW-Milwaukee IP Net  [39,JSL9]
     C*129.90.rrr.rrr      INTEVEP         INTEVEP Net          [39,RA66]
     R 129.91.rrr.rrr      ENCORE          Encore-Marlboro       [39,IRN]
     D 129.92.rrr.rrr      AFIT            AF Inst of Tech      [21,PHS1]
     R 129.93.rrr.rrr      HUSKERNET       UNL Camp Net          [MM147]
     R*129.94.rrr.rrr      UNSW            Univ of NSW Net      [39,PG40]
     R*129.95.rrr.rrr      OREGRADNET      Oregon Grad Ctr Net   [JC235]
     R*129.96.rrr.rrr      FLINDERS-UNI    Flinders Camp Net    [21,TGN]
     R*129.97.rrr.rrr      UWNET           Univ of Waterloo Net [39,WCWI]
     R*129.98.rrr.rrr      ALNET           Albert Einstein Coll [39,RNB5]
     G 129.99.rrr.rrr      NAS-NET         NAS Supercomp Net    [39,JL52]
```

```
   R*129.100.rrr.rrr      UWO-NET        Univ of West Ontario [39,PM81]
   R*129.101.rrr.rrr      IDAHO-ENGR     Idaho Eng/EE             [WDS11]
   R*129.102.rrr.rrr      IRCAM          IRCAM                    [MF14]
   C*129.103.rrr.rrr      NERV           Nixdorf Dev Comp Net     [HG20]
   R*129.104.rrr.rrr      POLY           Polytechnique Net     [39,GG68]
   R 129.105.rrr.rrr      NWUNET         Northwest Univ Net    [39,EEW6]
   R 129.106.rrr.rrr      UTHOUSTON      UT Health Sci Ctr      [39,LSV]
   R 129.107.rrr.rrr      UTARLINGTON    UT Arlington           [39,LSV]
   R 129.108.rrr.rrr      UTELPASO       UT El Paso             [39,LSV]
   R 129.109.rrr.rrr      UTGALVESTON    UT Med Brch Galveston  [39,LSV]
   R 129.110.rrr.rrr      UTDALLAS       UT Dallas              [39,LSV]
   R 129.111.rrr.rrr      UTSCSA         UT Health Sci Ctr      [39,LSV]
   R 129.112.rrr.rrr      UTSWMDC        UT SW Med Ctr Dallas   [39,LSV]
   R 129.113.rrr.rrr      UTPBASIN       UT Permian Basin       [39,LSV]
   R 129.114.rrr.rrr      UTCCSPRD       UT Sys Cancer Ctr      [39,LSV]
   R 129.115.rrr.rrr-129.120.rrr         THENET                 [39,LSV]
   R 129.121.rrr.rrr      NMTECHNET      New Mexico Technet    [39,IMK1]
   C 129.122.rrr.rrr      PRIME          PRIME Comp Inc           [RLU3]
   R 129.123.rrr.rrr      USU            USU                   [39,RLR36]
   C 129.124.rrr.rrr      GMRLNET        General Motors Rsch    [39,LR44]
   R*129.125.rrr.rrr      RUGNET         RUG Univ Net           [39,HH37]
   C*129.126.rrr.rrr      KODAK          KODAK Net              [39,SA46]
   R*129.127.rrr.rrr      ADELAIDE-UNI   Univ Adelaide Net     [39,JB254]
   R*129.128.rrr.rrr      U-ALBERTA      Univ of Alberta Net   [39,SS131]
   R*129.129.rrr.rrr      PSI-ETHER      PSI Camp Net          [39,BH103]
   R 129.130.rrr.rrr      KSUNET         KSU Camp Net             [BAV]
   D 129.131.rrr.rrr      NWCNET         NAVWPNCENNET           [39,EG17]
   R*129.132.rrr.rrr      ETH-ETHER      ETH/UNIZH Camp Net     [23,MA63]
   R 129.133.rrr.rrr      WESNET         Wesleyan Univ Net      [39,JGD1]
   C*129.134.rrr.rrr      HCSD-NET       Harris Comp Net        [39,DR49]
   C*129.135.rrr.rrr      INGR           Intergraph Corp Net    [21,GS91]
   R*129.136.rrr.rrr      NRCJ           NRC-JAPAN Net         [39,MS195]
   R 129.137.rrr.rrr      UN-OF-CINCI    Univ of Cincinnati    [39,RB253]
   R 129.138.rrr.rrr      NMTECH         New Mexico Tech        [39,MR91]
   D 129.139.rrr.rrr      PICANET        Pica Arsenal LAN       [39,RFD1]
   R 129.140.rrr.rrr      NSFNET-BB      NSFNET-BACKBONE          [HWB]
   D 129.141.rrr.rrr      GAFSNET        Gunter AFS X.25 Net      [BPW1]
   R*129.142.rrr.rrr      DENET          Danish Net              [JPS21]
   R*129.143.rrr.rrr      BELWUE         Baden-Wuertemberg Ext    [CL80]
   C 129.144.rrr.rrr-129.159.rrr.rrr     Sun Microsystems, Inc [39,BN4]
   R*129.160.rrr.rrr      SOLARIUM       The Radian Net        [39,JL152]
   R*129.161.rrr.rrr      HGCGNET        HARTFORDGRADCTRGNET    [38,AG61]
   R 129.162.rrr.rrr      SWRI-NET       SW Rsch Inst Net        [RM196]
   G*129.163.rrr.rrr      NASA-JSCSSE    NASA JSC Space Sta     [21,DGL4]
   G*129.164.rrr.rrr      NASA-SSPOSSE   NASA SSPO Space Sta    [21,DGL4]
   G*129.165.rrr.rrr      NASA-GSFCSSE   NASA GSFC Space Sta    [21,DGL4]
   G*129.166.rrr.rrr      NASA-JFKSSE    NASA JFK Space Sta     [21,DGL4]
   G*129.167.rrr.rrr      NASA-MSFCSSE   NASA MSFC Space Sta    [21,DGL4]
```

```
G*129.168.rrr.rrr          NASA-LRCSSE      NASA LRC Space Sta   [21,DGL4]
R*129.169.rrr.rrr          ENG-CAM-UK       Eng, Cambridge, UK   [39,JMRM]
R*129.170.rrr.rrr          DART-ETHER       Dartmouth Ether          [SC59]
R 129.171.rrr.rrr          MIAMI            Univ of Miami        [39,HWP2]
R*129.172.rrr.rrr          ROK              Rockwell Intl Corp       [TGS6]
R*129.173.rrr.rrr          DALNET           Dalhousie Univ Net   [39,JS338]
R 129.174.rrr.rrr          MASONET          The GMU Univ         [39,TH15]
R*129.175.rrr.rrr          PARIS-SUD        Paris-Sud-Orsay          [RD104]
R 129.176.rrr.rrr          MAYO             Mayo Med Rsch Net    [39,GB125]
R*129.177.rrr.rrr-129.178.rrr.rrr  Norwegian Acad Net           [39,PS27]
C*129.179.rrr.rrr          CDCNET-PROD      CDC Corp Net             [RAM57]
R*129.180.rrr.rrr          UNE-CAMPUS       UNE Camp Lan         [39,GS119]
C*129.181.rrr.rrr          LV-BULL          Louveciennes Bull        [OD8]
C*129.182.rrr.rrr          CL-BULL          Les Clayes Bull          [JPW11]
C*129.183.rrr.rrr          EC-BULL          Echirolles Bull          [JPC17]
C*129.184.rrr.rrr          PR-BULL          Gambetta Bull            [FH35]
C*129.185.rrr.rrr          MY-BULL          Massy Bull               [MQ7]
R 129.186.rrr.rrr          CYCLONENET       ISU Cyclone Net      [39,RD108]
R*129.187.rrr.rrr          BAVARIAN-NET     Bavarian Univ Net    [39,WS94]
R 129.188.rrr.rrr          MOTOROLA         Motorola Engineernet [39,CC99]
R*129.189.rrr.rrr          ICONET-ORC       Olivetti Rsch Net    [39,DAVE]
D*129.190.rrr.rrr          ASECC            ASECC Facilities Net     [RTB8]
C*129.191.rrr.rrr          NSCO             Net Sys Corp             [GS123]
C 129.192.rrr.rrr          ACC-NET          ACC Int Net              [AB20]
C 129.193.rrr.rrr          TRW-ED-NET       TRW Elec and Def Net [39,GGB2]
R*129.194.rrr.rrr          UNIGE-CENTER     Univ of Geneva-Ctr   [12,AS116]
R*129.195.rrr.rrr          UNIGE-HOP        Univ of Geneva-Hosp  [12,AS116]
C*129.196.rrr.rrr          JOHN-FLUKE       John Fluke Net       [21,JS210]
C*129.197.rrr.rrr          LMSC-CNU         LMSC Net Utility         [DD112]
D 129.198.rrr.rrr          ELAN             Edwards AFB LAN      [21,DDK1]
R*129.199.rrr.rrr          ENSNET           FNET-ENS-ULM         [39,JV53]
D*129.200.rrr.rrr          DAC-BACK-NET     DAC Company Backbone     [RAY4]
C*129.201.rrr.rrr-129.204.rrr.rrr  GE-INTERNET                  [39,JEB50]
R 129.205.rrr.rrr          CDCNET           Control Data Net     [39,JAW34]
R*129.206.rrr.rrr          HD-NET           Heidelberg Net           [LB110]
R 129.207.rrr.rrr          PVAMU-NET        Prairie View Univ Net    [FE6]
R*129.208.rrr.rrr          BIRMINGHAM       Univ of Birmingham   [39,RJH37]
D 129.209.rrr.rrr          BRL-SECURE       BRL Secure Net           [DET]
R*129.210.rrr.rrr          SCU-NET          San Clara Univ Net       [WD27]
C*129.211.rrr.rrr          ISCS-NET         ISC Sys Internet     [21,DS59]
R*129.212.rrr.rrr          AMDAHL-UTS       Amdahl UTS Soft Grp  [39,LS136]
C*129.213.rrr.rrr          BRIDGE           Bridge Comms         [39,JW196]
C*129.214.rrr.rrr          PYRAMID-TECH     Pyramid Tech Net     [39,CD83]
R*129.215.rrr.rrr          EU-NET           Edinburgh Univ       [21,WSC5]
R 129.216.rrr.rrr          NRC-NET          NRC Dev Net          [39,IHM]
R*129.217.rrr.rrr          UNIDO-LAN        UniDo Camp Net       [39,RV32]
R*129.218.rrr.rrr          UNISYS-SP        Unisys Sperry Park   [39,SJP10]
R 129.219.rrr.rrr          ASU-NET          Arizona State Net    [39,AC85]
```

```
   C*129.220.rrr.rrr-129.227.rrr.rrr   Unisys Net2            [39,CC129]
   C*129.228.rrr.rrr    WESTINGHOUSE   WESTINGHOUSE IP Net   [39,CWR4]
   G 129.229.rrr.rrr    USA-CECER      USA Corps of Eng      [39,DB186]
   C*129.230.rrr.rrr    ARCNET         Amoco Rsch Comp Net     [SG83]
   C*129.231.rrr.rrr    DIGICOMM-NET   Digital Comm Int Net  [39,TFB3]
   R*129.232.rrr.rrr    BITNET         BITNET II Backbone       [LCV]
   R*129.233.rrr.rrr    FHG-IAO        IAO Int Net           [39,DW139]
   R*129.234.rrr.rrr    DURHAM         Durham Camp Net       [39,JC288]
   R*129.235.rrr.rrr    SRCNET         Honeywell SRC Net     [39,CRT4]
   R 129.236.rrr.rrr    LDGO-NET       LAMONT-DOHERTY-NET    [39,RGB14]
   R 129.237.rrr.rrr    JAYHAWKNET     KU Camp Nets            [DN32]
   R 129.238.rrr.rrr    AFWL-NET       AF Weapons Lab Net      [CF57]
   G*129.239.rrr.rrr    HI-CFSG        HI Flight Sys         [39,LP71]
   R*129.240.rrr.rrr    UIONET         Univ Olso Net         [39,JT122]
   R*129.241.rrr.rrr    UNITNET        Univ Trondheim Net    [39,JT122]
   R*129.242.rrr.rrr    UIBNET         Univ Bergen Net       [39,JT122]
   G*129.243.rrr.rrr    MMAGNET        Martin Marietta       [39,DR137]
   R 129.244.rrr.rrr    KEHNET         Comp Sci and Eng Ether  [PLH8]
   C*129.245.rrr.rrr    PAC-BELL       Pacific Bell          [39,DSP11]
   D 129.246.rrr.rrr    IDA            IDA HQ Net            [39,MM227]
   R 129.247.rrr.rrr    DFVRL-NET      DFVLR-Rsch-NET        [39,CR24]
   C*129.248.rrr.rrr    APOLLO         Apol Corp Net           [NM31]
   R*129.249.rrr.rrr    FX-DEV-NET2    FX Allareas-10MB      [39,HH45]
   R*129.250.rrr.rrr    PRPNET         PA Rsch Net            [39,BE6]
   D 129.251.rrr.rrr    SLAN-BSN       Base-Support-Net        [LA55]
   R*129.252.rrr.rrr    SCAROLINA      SC Rsch Net           [21,AY11]
   C*129.253.rrr.rrr    WESDIGCO       Western Dig Net    [21,39,SD78]
   R*129.254.rrr.rrr    ETRI           ETRI Comp Net         [39,KH74]
     129.255.rrr.rrr    Reserved       Reserved                 [JBP]
     130.0.rrr.rrr      Reserved       Reserved                 [JBP]
     130.1.rrr.rrr-191.254.rrr.rrr     Unassigned               [NIC]
    *191.255.rrr.rrr    Reserved       Reserved                 [JBP]
```

Class C Networks

*	Internet Address	Network	Name	References
	192.0.0.rrr	Reserved	Reserved	[JBP]
R	192.0.1.rrr	BBN-TEST-C	BBN-GATE-TEST-C	[RH6]
R*	192.0.2.rrr	TEST	TEST	[JBP]
	192.0.3.rrr-192.0.255.rrr	Unassigned		[NIC]
R	192.1.2.rrr-192.1.4.rrr	BBN Local Nets		[SGC]
R	192.1.5.rrr	BBN-ENET2	BBN-ENET2	[SGC]
R	192.1.6.rrr	BBN-LAN1	BBN Local Net 1	[SGC]
R	192.1.7.rrr	BBN-LAN2	BBN Local Net 2	[SGC]
R	192.1.8.rrr	BBN-LAN3	BBN Local Net 3	[SGC]
R	192.1.9.rrr	BBN-ENET3	BBN-ENET3	[SGC]
R	192.1.10.rrr	BBN-NETR	BBN-NETR	[SGC]
R	192.1.11.rrr	BBN-SPC-ENET	BBN-SPC-ENET	[SGC]
R	192.1.12.rrr-192.3.255.rrr	BBN Local Nets		[SGC]
R	192.4.0.rrr-192.4.255.rrr	BELLCORE-NET		[39,PK28]
	192.5.0.rrr	Reserved	Reserved	[JBP]
R	192.5.1.rrr	CISLHYPERNET	Honeywell	[JLM23]
R*	192.5.2.rrr	UF-NET-A	UF-CIS Dept Ether	[AW48]
C	192.5.3.rrr	HP-DESIGN-AIDS	HP Des Aids	[AG67]
C	192.5.4.rrr	HP-TCG-UNIX	HP TCG Unix	[AG67]
R	192.5.5.rrr	DEC-MRNET	DEC Marlboro Ether	[39,JM60]
R	192.5.6.rrr	DEC-MRRAD	DEC Marlboro Dev	[39,JM60]
R	192.5.7.rrr	CIT-CS-NET	Caltech-CS-Net	[41,CS2]
R	192.5.8.rrr	MACOMNET	MACOM Net	[SB90]
R	192.5.9.rrr	AERONET	Aero Labnet	[1,LCN]
R	192.5.10.rrr	ECLNET	USC-ECL-Camp-NET	[MAB4]
R	192.5.11.rrr	CSS-RING	SEISMIC-Rsch-NET	[RA11]
R	192.5.12.rrr	UTAH-NET-C	UTAH-Comp-Sci-NET	[GW22]
R	192.5.13.rrr	GSWDNET	Compion Net	[39,FAS]
R	192.5.14.rrr	RAND-NET	RAND Net	[39,JDG]
R	192.5.15.rrr T	NYU-NET-TEMP	NYU Net	[EF5]
R	192.5.16.rrr	LANLLAND	Los Alamos Dev LAN	[39,JC11]
R	192.5.17.rrr	NRL-NET	Naval Rsch Lab	[MPM]
R	192.5.18.rrr	IPTO-NET	ARPA-IPTO Off Net	[JS283]
R	192.5.19.rrr	UCIICS	UCI-ICS Rsch Net	[RAJ3]
R	192.5.20.rrr	CISLTTYNET	Honeywell	[JLM23]
D	192.5.21.rrr	BRLNET1	BRLNET1	[4,MJM2]
D	192.5.22.rrr	BRLNET2	BRLNET2	[4,MJM2]
D	192.5.23.rrr	BRLNET3	BRLNET3	[4,MJM2]
D	192.5.24.rrr	BRLNET4	BRLNET4	[4,MJM2]
D	192.5.25.rrr	BRLNET5	BRLNET5	[4,MJM2]
D	192.5.26.rrr	NSRDCOA-NET	NSRDC Off Auto Net	[RWT2]
D	192.5.27.rrr	DTNSRDC-NET	DTNSRDC-NET	[RWT2]
R	192.5.28.rrr	RSRE-NULL	RSRE-NULL	[RNM1]
R	192.5.29.rrr	RSRE-ACC	RSRE-ACC	[RNM1]

```
     R 192.5.30.rrr          RSRE-PR         RSRE-PR                   [RNM1]
     R*192.5.31.rrr          SIEMENS-NET     Siemens Rsch Net          [PN23]
     R 192.5.32.rrr          CISLTESTNET2    Honeywell         [17,18,JLM23]
     R 192.5.33.rrr          CISLTESTNET3    Honeywell         [17,18,JLM23]
     R 192.5.34.rrr          CISLTESTNET4    Honeywell         [17,18,JLM23]
     R 192.5.35.rrr          RIACS-NET       RIACS-NET              [39,WPJ]
     R 192.5.36.rrr          CORNELL-CS      Cornell CS Research    [39,DK2]
     R 192.5.37.rrr          UR-CS-NET       U of R CS 3Mb Net     [39,LB16]
     R 192.5.38.rrr          SRI-C3ETHER     SRI-AITAD C3Ether     [39,VDC1]
     R 192.5.39.rrr          UDEL-EECIS      Udel EECIS LAN        [39,DJG2]
     R 192.5.40.rrr          PUCC-NET-A      Purdue Comp Ctr Net    [JRS8]
     D 192.5.41.rrr          WISLAN          WIS Rsch LAN          [39,JRM1]
     D 192.5.42.rrr          HYPER-1ISG      AFDSC Hypernet         [MCA1]
     R 192.5.43.rrr          CUCSNET         Columbia CS Net       [39,BC14]
     R 192.5.44.rrr          FARBER-PC-NET   Farber PC Net           [DJF]
     R 192.5.45.rrr          FCCC            Fox Chase Cancer Ctr   [RKS1]
     R 192.5.46.rrr          NTA-RING        NDRE-RING              [PS27]
     R 192.5.47.rrr          NSRDC           NSRDC                  [RWT2]
     R 192.5.48.rrr          PURDUE-CS-NET   Purdue CS ProNET       [DT50]
     C 192.5.49.rrr          TISW-NET        TISW Net                [HK0]
     R 192.5.50.rrr          CTH-CS-NET      Chalmers CSN Net       [39,UB3]
     R 192.5.51.rrr          THEORYNET       Cornell Theory Ctr    [39,AB13]
     R 192.5.52.rrr          NLM-ETHER       NLM-LHNCBC-Ether        [JA1]
     R 192.5.53.rrr          UR-CS-ETHER     U of R CS 10Mb Net    [39,LB16]
     R 192.5.54.rrr          AERO-A6         Aero-A6                [1,LCN]
     R 192.5.55.rrr          UCLA-CECS       UCLA-CECS Net          [39,RBW]
     C 192.5.56.rrr          TARTAN-NET      Tartan Labs            [ED38]
     R 192.5.57.rrr          UDEL-CC         UDEL Comp Ctr         [39,RR18]
     R 192.5.58.rrr          CSNET-PDN       CSNET X.25 Net        [22,RDR4]
     R*192.5.59.rrr          INRIA-SM90      Inria GIP SM-90       [MS171]
     R*192.5.60.rrr          SM90-X1         Inria SM-90 Exp 1     [MS171]
     R*192.5.61.rrr          SM90-X2         Inria SM-90 Exp 2     [MS171]
     R*192.5.62.rrr          LITP-SM90       LITP SM-90            [MS171]
     R 192.5.63.rrr          ENCORE-TEMP     Encore-Marlboro         [IRN]
     R 192.5.64.rrr          AMES-NAS-NET    NASA ARC NAS LAN      [39,MF31]
     R 192.5.65.rrr          NPRDC-ETHER     NPRDC TRCF Ether        [LRB]
     R 192.5.66.rrr          HARV-NET        Harvard Comp Sci Net   [SB28]
     R 192.5.67.rrr          CECOM-ETHER     CECOM ADDCOMPE ETHER  [39,GIH]
     R 192.5.68.rrr          AERO-130        Aero-130                [LCN]
     R 192.5.69.rrr          UIUC-NET        Univ of IL at Urbana  [39,AKC]
     G 192.5.70.rrr          CELAN           COINS Exp LAN          [RLS6]
     R 192.5.71.rrr          SAC-ETHER       SAC C3 Ether          [39,VDC1]
       192.5.72.rrr-192.5.83.rrr            Unassigned              [NIC]
     R*192.5.84.rrr-192.5.87.rrr            Univ of Chicago        [MC17]
     R 192.5.88.rrr          YALE-EE-NET     YALE-EE-NET           [39,AG22]
     R 192.5.89.rrr          HARV-APOLLO     Harvard Univ           [2,SB28]
     R 192.5.90.rrr          HARV-ETHER      Harvard CS Ethernet    [2,SB28]
     R 192.5.91.rrr          PURDUE-ECN1     Purdue ECN         [10,20,GG11]
```

```
     R 192.5.92.rrr     BRAGG-ETHER     SRI Bragg Ether      [39,GIH]
     R 192.5.93.rrr     SRI-DEMO        SRI Ether Demo       [39,GIH]
     R*192.5.94.rrr     SDCRDCF-10MB    SDC R&D Prim Net     [39,DJV1]
     R*192.5.95.rrr     SDCRDCF-3MB     SDC R&D Old Net      [39,DJV1]
     R*192.5.96.rrr     UBC-CS-NET      UBC Comp Sci Net     [39,PB67]
     R*192.5.97.rrr     UCLA-CS-LNI     UCLA CS LNI Net         [RBW]
     R*192.5.98.rrr     UCLA-PIC        UCLA PIC Net         [39,RBW]
     R 192.5.99.rrr     SPACENET        S-1 WorkSta Net      [39,TW51]
     R 192.5.100.rrr    HCSC-NET        Honeywell CSC Net    [39,TRG4]
     R 192.5.101.rrr    PUCC-NET-B      Purdue Gw Net           [JRS8]
     R 192.5.102.rrr    PUCC-RHF-NET    PUCC RHF Based Net      [JRS8]
     C*192.5.103.rrr    TYM-NTD-NET     Tymnet NTD Ether        [SMF5]
     R 192.5.104.rrr    THINK-INET      Thinking Machs       [39,BJN1]
     R 192.5.105.rrr    CCA-POND        CCA Ether1 (POND)    [42,AL6]
     C*192.5.106.rrr    BITSTREAM       Bitstream Type Found [39,PGA1]
     R*192.5.107.rrr    PASC-ETHER      IBM PASC Ether       [39,GAL5]
     R*192.5.108.rrr    PASC-BB         IBM PASC BRdband     [39,GAL5]
     R*192.5.109.rrr    CWR-JCC-T       ARJCC TOPS-20 Net    [39,JAG3]
     R*192.5.110.rrr    CWR-JCC-L       ARJCC Local Net      [39,JAG3]
     R*192.5.111.rrr    CWR-QUAD        Campus Quad Net      [39,JAG3]
     R*192.5.112.rrr    CWR-CAISR       CAISR Local Net      [39,JAG3]
     R*192.5.113.rrr    CWR-CES         CES Local Net        [39,JAG3]
     C*192.5.114.rrr    I2-RING-1       Intermetrics Pronet  [39,NH2]
     C*192.5.115.rrr    I2-ETHER-1      Intermetrics Ether   [39,NH2]
     R 192.5.116.rrr    BRAGGNET-1      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.117.rrr    BRAGGNET-2      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.118.rrr    BRAGGNET-3      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.119.rrr    BRAGGNET-4      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.120.rrr    BRAGGNET-5      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.121.rrr    BRAGGNET-6      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.122.rrr    BRAGGNET-7      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.123.rrr    BRAGGNET-8      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.124.rrr    BRAGGNET-9      BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.125.rrr    BRAGGNET-10     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.126.rrr    BRAGGNET-11     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.127.rrr    BRAGGNET-12     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.128.rrr    BRAGGNET-13     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.129.rrr    BRAGGNET-14     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.130.rrr    BRAGGNET-15     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.131.rrr    BRAGGNET-16     BRAGG/ADDCOMPE       [39,BG25]
     R 192.5.132.rrr    BRAGGNET-17     BRAGG/ADDCOMPE       [39,BG25]
     R*192.5.133.rrr    PERCEPT-AI      Perceptronics           [KC8]
     C*192.5.134.rrr    I2-ETHER-2      Intermetrics Ether-2 [39,NH2]
     R 192.5.135.rrr    LL-SPEECH-NET   LL Speech Net        [39,RH60]
     R 192.5.136.rrr    LL43-LEX-BACK   Lincoln G43-LEX-BACK [39,BC65]
     R 192.5.137.rrr    LL43-LEX-SUNA   Lincoln G43-LEX-SUNA [39,BC65]
     R 192.5.138.rrr    LL43-LEX-SUNB   Lincoln G43-LEX-SUNB [39,BC65]
     R 192.5.139.rrr    LL43-LEX-APO    Lincoln G43-LEX-APO  [39,BC65]
```

```
     R 192.5.140.rrr      LL43-TB-BACK      Lincoln G43-TB-BACK   [39,BC65]
     R 192.5.141.rrr      LL43-TB-APO       Lincoln G43-TB-APO    [39,BC65]
     R*192.5.142.rrr      CCVR              CCVR Net              [39,RD91]
     R 192.5.143.rrr      NWU               NORTHWESTERN             [AS62]
     R 192.5.144.rrr      CRC-ENET          CANADA-CRC-Ether         [JR17]
     R 192.5.145.rrr      ECRC-SL           ECRC-SL Net              [PD39]
     R 192.5.146.rrr      CPW-PSC           Pittsburgh SC Ctr        [ML62]
     R 192.5.147.rrr      ALV-ETHER         MMDAALVVAX               [LJR5]
     R 192.5.148.rrr      DISE              Dist Sys Eval Envir     [RHS16]
     R 192.5.149.rrr      RDL-ETHER         RDL                  [39,MS172]
     G*192.5.150.rrr      SP-ACE-NET        Sperry Space Sys     [39,JM304]
     R 192.5.151.rrr      PENN-STATE-1      Penn State Net          [SJS11]
     R 192.5.152.rrr      PENN-STATE-2      Penn State Net          [SJS11]
     R 192.5.153.rrr      PENN-STATE-3      Penn State Net          [SJS11]
     R 192.5.154.rrr      PENN-STATE-4      Penn State Net          [SJS11]
     R 192.5.155.rrr      PENN-STATE-5      Penn State Net          [SJS11]
     R 192.5.156.rrr      PENN-STATE-6      Penn State Net          [SJS11]
     R 192.5.157.rrr      PENN-STATE-7      Penn State Net          [SJS11]
     R 192.5.158.rrr      PENN-STATE-8      Penn State Net          [SJS11]
     R 192.5.159.rrr      PENN-STATE-9      Penn State Net          [SJS11]
     R 192.5.160.rrr      PENN-STATE-10     Penn State Net          [SJS11]
     R 192.5.161.rrr      PENN-STATE-11     Penn State Net          [SJS11]
     R 192.5.162.rrr      PENN-STATE-12     Penn State Net          [SJS11]
     C*192.5.163.rrr      I2-SPDNET-1       I2 SPD Ether          [39,NH2]
     C 192.5.164.rrr      GTEECN            GTE Eng Net           [39,JEE4]
     R 192.5.165.rrr      SDC-CAM-1         SDC Camarillo R&D Net    [DSR]
     R*192.5.166.rrr      CRC-WDC-NET       CRC Wash DC             [GEOF]
     R 192.5.167.rrr      MCC-AI-NET        MCC AI Subnet         [39,CBD]
     R 192.5.168.rrr      MCC-CAD2-NET      MCC CAD2 Subnet       [39,CBD]
     R 192.5.169.rrr      MCC-PKG-NET       MCC PKG Subnet        [39,CBD]
     G 192.5.170.rrr      ANLNET1           Argonne Net           [39,LW26]
     G 192.5.171.rrr      ANLNET2           Argonne Net           [39,LW26]
     G 192.5.172.rrr      ANLNET3           Argonne Net           [39,LW26]
     G 192.5.173.rrr      ANLNET4           Argonne Net           [39,LW26]
     G 192.5.174.rrr      ANLNET5           Argonne Net           [39,LW26]
     G 192.5.175.rrr      ANLNET6           Argonne Net           [39,LW26]
     G 192.5.176.rrr      ANLNET7           Argonne Net           [39,LW26]
     G 192.5.177.rrr      ANLNET8           Argonne Net           [39,LW26]
     G 192.5.178.rrr      ANLNET9           Argonne Net           [39,LW26]
     G 192.5.179.rrr      ANLNET10          Argonne Net           [39,LW26]
     G 192.5.180.rrr      ANLNET11          Argonne Net           [39,LW26]
     G 192.5.181.rrr      ANLNET12          Argonne Net           [39,LW26]
     G 192.5.182.rrr      ANLNET13          Argonne Net           [39,LW26]
     G 192.5.183.rrr      ANLNET14          Argonne Net           [39,LW26]
     G 192.5.184.rrr      ANLNET15          Argonne Net           [39,LW26]
     G 192.5.185.rrr      ANLNET16          Argonne Net           [39,LW26]
     G 192.5.186.rrr      ANLNET17          Argonne Net           [39,LW26]
     G 192.5.187.rrr      ANLNET18          Argonne Net           [39,LW26]
```

```
     G 192.5.188.rrr        ANLNET19        Argonne Net           [39,LW26]
     G 192.5.189.rrr        ANLNET20        Argonne Net           [39,LW26]
     G 192.5.190.rrr        ANLNET21        Argonne Net           [39,LW26]
     G 192.5.191.rrr        ANLNET22        Argonne Net           [39,LW26]
     G 192.5.192.rrr        ANLNET23        Argonne Net           [39,LW26]
     G 192.5.193.rrr        ANLNET24        Argonne Net           [39,LW26]
     G 192.5.194.rrr        ANLNET25        Argonne Net           [39,LW26]
     G 192.5.195.rrr        ANLNET26        Argonne Net           [39,LW26]
     G 192.5.196.rrr        ANLNET27        Argonne Net           [39,LW26]
     G 192.5.197.rrr        ANLNET28        Argonne Net           [39,LW26]
     G 192.5.198.rrr        ANLNET29        Argonne Net           [39,LW26]
     G 192.5.199.rrr        ANLNET30        Argonne Net           [39,LW26]
     G 192.5.200.rrr        ANLNET31        Argonne Net           [39,LW26]
     G 192.5.201.rrr        ANLNET32        Argonne Net           [39,LW26]
     R 192.5.202.rrr        FMC-CEL         FMC-CEL Host Net      [39,KW2]
     R*192.5.203.rrr        OKSTATE-CS      Okla State CS Net     [39,MV24]
     R 192.5.204.rrr        SKL-ENET        Canada-SKL-Ether      [JR17]
     R*192.5.205.rrr        ARC-CALGARY     Alta Rsch Calgary     [DK66]
     R 192.5.206.rrr        BU-MATHNET      BU-MATHNET            [BS24]
     R 192.5.207.rrr        BU-CHEMNET      BU-CHEMNET            [BS24]
     R 192.5.208.rrr        BU-CLANET       BU-CLANET             [BS24]
     D 192.5.209.rrr        SSDF-CDCNET     DCD-DDN-Dev           [RE22]
     G 192.5.210.rrr        ECSNET          Embedded Comp Sys Net [CAL7]
     R 192.5.211.rrr        INTEL-IWARP     Intel Iwarp Net       [39,BT4]
     R 192.5.212.rrr   T    EMORY-INET4     Emory Internet 4      [AR60]
     R 192.5.213.rrr        HARRIS          Harris-GSSNet         [DAT4]
     C 192.5.214.rrr        DECUACNET       Decuac Net            [39,FMA1]
     R 192.5.215.rrr        MASONNET        GMU Net               [39,TH15]
     R*192.5.216.rrr        NTT-NET         NTT Rsch Lab Net      [39,YS10]
     R 192.5.217.rrr        YALE-ZOO-NET    Yale Apol Ed Net      [HML1]
     D 192.5.218.rrr        ARINC-GW-NET    ARINC-Gw Net          [YN]
     R 192.5.219.rrr        CLEMSON         Clemson Univ Comp Ctr [DB28]
     C 192.5.220.rrr        SCCNET          SPACECOM IP Net       [39,MJ04]
     C*192.5.221.rrr        CSC-LONS        CSC-LONS Net          [39,GG43]
     C*192.5.222.rrr        CSC-OIS         CSC-OIS Net           [39,GG43]
     R*192.5.223.rrr        HWELL-RE        HWELL-RESD-ENGRG      [39,PP36]
     D*192.5.224.rrr        HAIC-NET        Hughes AI Ctr Net     [39,DMK18]
     C*192.5.225.rrr-192.5.236.rrr          GE Calma Block        [39,TR38]
       192.5.237.rrr        Unassigned      Unassigned            [NIC]
     C*192.5.238.rrr        PALLADIAN-1     Palladian-IN1         [CSTACY]
     C*192.5.239.rrr        PALLADIAN-2     Palladian-RING        [CSTACY]
     C*192.5.240.rrr        PALLADIAN-3     Palladian-IN2         [CSTACY]
     R 192.5.241.rrr        USC-CYPRESS     USC Cypress Net       [6,DE6]
     C*192.5.242.rrr        MOT-ASIC        Motorola Chandler LAN [GW49]
     C*192.5.243.rrr        MOT-MESA        Motorola Mesa LAN     [GW49]
     C*192.5.244.rrr        MOT-DOVER       Motorola Dover LAN    [GW49]
     C*192.5.245.rrr        MOT-PRICE       Motorola Price Rd LAN [GW49]
     C*192.5.246.rrr        MOT-PICO        Motorola Pico LAN     [GW49]
```

```
C*192.5.247.rrr          MOT-52ND          Motorola Semi MIS LAN   [GW49]
C*192.5.248.rrr          MOT-AUSTIN        Motorola Austin LAN     [GW49]
C*192.5.249.rrr          MOT-OAKHILL       Motorola Oakhill LAN    [GW49]
C*192.5.250.rrr          MOT-TELAVIV       Motorola Tel Aviv LAN   [GW49]
C*192.5.251.rrr          MOT-GENEVA        Motorola Geneva LAN     [GW49]
C*192.5.252.rrr          MOT-TOKYO         Motorola Tokyo LAN      [GW49]
C*192.5.253.rrr          MOT-HONGKONG      Motorola Hongkong LAN   [GW49]
R*192.5.254.rrr          ANSA              ANSA Project         [39,DO27]
  192.5.255.rrr          Reserved          Reserved                [JBP]
C*192.6.0.rrr-192.6.200.rrr                Hewlett Packard         [AG67]
R 192.6.201.rrr          UTSANANTONIO      UT San Antonio          [LSV]
C*192.6.202.rrr-192.6.255.rrr              Hewlett Packard         [AG67]
C*192.7.0.rrr-192.7.255.rrr                Computer Consoles, Inc  [RA11]
C*192.8.0.rrr-192.8.255.rrr                Spartacus Inc           [FJK2]
C*192.9.0.rrr-192.9.255.rrr                SUN Microsystems, Inc   [BN4]
C*192.10.0.rrr-192.10.40.rrr               Symbolics, Inc          [CH2]
  192.10.41.rrr          Unassigned        Unassigned              [NIC]
C*192.10.42.rrr-192.10.255.rrr             Symbolics, Inc          [CH2]
C*192.11.0.rrr-192.11.255.rrr              ATT, Bell Lab           [MH82]
R 192.12.0.rrr           YALE-SUN-NET      YALE-SUN-NET            [LF0]
R*192.12.1.rrr           SUSSEX-CSNET      Sussex Comp Sci Net     [PT26]
R*192.12.2.rrr           AMDAHL            Amdahl UTS Dev Grp      [LCN2]
C*192.12.3.rrr           FLAIR             Fairchild AI Lab Net [39,AMS1]
C*192.12.4.rrr           SCG-NET           Hughes SCG Net       [40,MKP2]
R 192.12.5.rrr           AIC-LISPMS        SRI-AIC-LISPMachNET   [39,PM4]
R 192.12.6.rrr           NPS-C2            NPS-C2               [39,DW15]
R 192.12.7.rrr           NYU-CS-ETHER      NYU CompSci Ethernet  [39,LOU]
D 192.12.8.rrr           PICANET1          Pica Arsenal LAN1    [39,RFD1]
  192.12.9.rrr           Unassigned        Unassigned              [NIC]
R 192.12.10.rrr          CORNELL-ENG       Cornell-Engineering   [39,DK2]
R 192.12.11.rrr          MIT-TEST          MIT Gw Test Net       [39,NC3]
  192.12.12.rrr          Unassigned        Unassigned              [NIC]
R 192.12.13.rrr          JHU-NET1          JHU-NET1             [39,MJO7]
R 192.12.14.rrr          JHU-NET2          JHU-NET2             [39,MJO7]
R 192.12.15.rrr          BROOKNET          BNL Brooknet III      [39,GC]
R 192.12.16.rrr          PRMNET            SRI-SURAN-EN         [39,PEM4]
G 192.12.17.rrr          LLL-TIS-NET       LLL-TIS-NET       [39,40,NAL]
R 192.12.18.rrr          CIT-CS-10NET      Caltech 10Meg Ether  [41,AD22]
R 192.12.19.rrr          CIT-NET           Caltech Camp Net     [41,AD22]
R 192.12.20.rrr          CIT-SUN-NET       Caltech Sun Net      [41,AD22]
R 192.12.21.rrr          CIT-PHYSCOMP      Caltech Phys Comp    [41,AD22]
R 192.12.22.rrr          UTCSRES           UTCS Net Rsch        [39,JSQ1]
R 192.12.23.rrr          UTCSTTY           UTCS TTY Kludgenet   [39,JSQ1]
R 192.12.24.rrr          MICANET           MITRE-Exp               [WDL]
R 192.12.25.rrr          CSS-GRAMINAE      CSS WorkSta Net       [19,RR2]
R 192.12.26.rrr          NOSC-NETR         Net-R Testbed at BBN [34,CP10]
R 192.12.27.rrr          UR-LASER          UR Laser Energetics  [39,WL31]
R*192.12.28.rrr          RIACS             RIACS-Exp-Net           [DG28]
```

```
D 192.12.29.rrr          RF-EVANS        ADDCOMPE DC3 LAN1   [39,MB31]
D 192.12.30.rrr          RF-HEX-A        ADDCOMPE DC3 LAN2   [39,MB31]
D 192.12.31.rrr          USNA-ENET       USNA Eng NEt         [39,TS9]
R*192.12.32.rrr          CMU-VINEYARD    CMU File Cluster Net [39,MK68]
R 192.12.33.rrr          SRI-CSL-NET     SRI-CSL 10MB Ether     [TONY]
C*192.12.34.rrr-192.12.43.rrr            Schlumberger PA Net [39,SL10]
R 192.12.44.rrr          NRTC-NET        Northrop Rsch Net   [39,RSM1]
R 192.12.45.rrr          ACC-SB-IMP-NET  ACC San Barb C/30 IMP  [AB20]
R 192.12.46.rrr          ACC-SB-ETHER    ACC San Barb Ether     [AB20]
  192.12.47.rrr          Unassigned      Unassigned              [NIC]
G 192.12.48.rrr          AMES-ED-EXPNET  Code ED Exp Net     [39,MSM1]
G 192.12.49.rrr          AMES-ED-NET     Code ED IP Net      [39,MSM1]
G 192.12.50.rrr          AMES-DB-NET     Ames DBridge Net    [39,MSM1]
R 192.12.51.rrr          THINK-CHAOS     TMC Chaos           [39,BJN1]
R*192.12.52.rrr          NEURO-NET       NEURO-NET            [39,JXB]
R*192.12.53.rrr          PU-LCA          Princeton Univ LCA   [39,CYH]
R 192.12.54.rrr          AERO-A3         Aero-A3                [LCN]
R 192.12.55.rrr          HAZ-LPR-BETA    Hazeltine LPR Net   [39,KO11]
R 192.12.56.rrr          UTAH-AP-NET     Utah-Apol-Ring-Net     [JL15]
R 192.12.57.rrr          MCC-CAD-NET     MCC CAD Subnet       [39,CBD]
R 192.12.58.rrr          MCC-PP-NET      MCC AI Subnet        [39,CBD]
R 192.12.59.rrr          MCC-DB-NET      MCC DB Subnet        [39,CBD]
R 192.12.60.rrr          MCC-HI-NET      MCC HI Subnet        [39,CBD]
R 192.12.61.rrr          MCC-SW-NET      MCC SW Subnet        [39,CBD]
R 192.12.62.rrr          DREA-ENET       DREA Lispm & Vaxen  [39,GLH5]
R 192.12.63.rrr          CYPRESS         CYPRESS Serial Net     [CAK]
D 192.12.64.rrr          LOGNET          Logistics Net GW     [4,JR15]
D 192.12.65.rrr          HELNET1         HELNET1             [39,MJM2]
D 192.12.66.rrr          HELNET2         HELNET2             [39,MJM2]
D 192.12.67.rrr          HELNET3         HELNET3             [39,MJM2]
G 192.12.68.rrr          ORNL-MSRNET     ORNL Local Area Net  [4,THD]
R 192.12.69.rrr          UA-CS-NET       Univ of Ariz CS Dept [39,PAK6]
R 192.12.70.rrr          NPRDC-IPD       NPRDC-IPD Rem Ether    [LRB]
R 192.12.71.rrr          NPRDC-ISG       NPRDC-ISG Rem Ether    [LRB]
R 192.12.72.rrr          ULCC            UK.AC.ULCC            [RHC3]
R 192.12.73.rrr          BTRL            UK.CO.BT-Rsch-LABS   [RHC3]
R*192.12.74.rrr          APPLE-ETHER     Apple Comp Ether    [39,TM86]
R*192.12.75.rrr          PASC-RING       IBM PASC Token Ring   [GAL5]
R*192.12.76.rrr          UQ-NET          Univ of Qld Net     [39,AKH5]
  192.12.77.rrr          Unassigned      Unassigned              [NIC]
C*192.12.78.rrr          GENNET          Genentech Net       [39,SM96]
C*192.12.79.rrr          SLI             Soft Leverage Inc     [MG58]
R 192.12.80.rrr          CAEN            UMICH-CAEN             [HWB]
R 192.12.81.rrr          YALE-RING-NET   Yale Rsch Ring        [HML1]
C 192.12.82.rrr          CU-CC-NET       Columbia CC Net     [39,BC14]
G 192.12.83.rrr          UCDLA-EXNET     UCDLA Exp Net         [CL64]
G 192.12.84.rrr          UCDLA-PCNET     UCDLA Personal Net    [CL64]
G 192.12.85.rrr          UCDLA-OPNET     UCDLA Optical Disk    [CL64]
```

```
G 192.12.86.rrr        UCDLA-RADNET    UCDLA Pck Rad           [CL64]
G 192.12.87.rrr        UCDLA-CSLNET    UCDLA State Library     [CL64]
R*192.12.88.rrr        RUTGERS-NWK     Rutgers, Newark         [DB150]
R 192.12.89.rrr        SBCS-CSDEPT-1   SB Comp Sci             [JS268]
R 192.12.90.rrr        SBCS-CSDEPT-2   SB Comp Sci             [JS268]
R 192.12.91.rrr        RPICSNET0       RPICS-LOCALNET-0        [MS9]
R 192.12.92.rrr        RPICSNET1       RPICS-LOCALNET-1        [MS9]
C*192.12.93.rrr        TYMNET-MDC      TYMNET-McDonnellDC      [TDM8]
R 192.12.94.rrr        ROCKWELL-AI     Rockwell Palo Alto      [BMW7]
C*192.12.95.rrr        NNWSI           SAIC NNWSI Net          [EJ12]
R*192.12.96.rrr        SUPELEC-GIF     Reseau Supelec Gif      [DC159]
C 192.12.97.rrr        IND-NTC         NTC ARPA Test Net       [AB98]
R 192.12.98.rrr        SHIRBAY-ENET    Shirley Bay Site LA     [TS31]
C*192.12.99.rrr        FCSL-NET        Ferranti CSL            [SA47]
D 192.12.100.rrr       OOG1            OO/ALC-SC-Gw1           [JD86]
R*192.12.101.rrr       OSU-CGRG        OSU Comp Graphics     [39,KS62]
G 192.12.102.rrr       AMES-NAS-HY     AMES NAS HY Net         [MSM1]
R 192.12.103.rrr       CSU-USC-ETHER   Colo State Univ Nets    [RB218]
R 192.12.104.rrr       CSU-NREL-ETHER  Colo State Univ Nets    [RB218]
R 192.12.105.rrr       CSU-CAMPUS-ASYNC Colo State Univ Nets   [RB218]
R 192.12.106.rrr       CSU-LANCE-PRONET Colo State Univ Nets   [RB218]
R 192.12.107.rrr       CSU-ATMOS-ETHER Colo State Univ Nets    [RB218]
R 192.12.108.rrr       CSU-UCC-ETHER   Colo State Univ Nets    [RB218]
R*192.12.109.rrr-192.12.118.rrr        Colo State Univ Nets    [RB218]
C*192.12.119.rrr       XYPLEX          Xyplex Eng              [DP91]
D 192.12.120.rrr       MITRE-B-NET     MITRE Bedford Ether     [BSW]
R*192.12.121.rrr       FSUCS           FSU Comp Sci 1          [TB4]
R*192.12.122.rrr       FSUCS2          FSU Comp Sci 2          [TB4]
G 192.12.123.rrr       AMES-CCF-NET    AMES CCF Net          [39,MSM1]
D 192.12.124.rrr       ETL-LAN         ETL Local Area Net     [39,WWS]
D 192.12.125.rrr       CRDEC-NET1      CRDEC-NET1             [39,JY11]
D 192.12.126.rrr       CRDEC-NET2      CRDEC-NET2             [39,JY11]
R 192.12.127.rrr       LL-MI-NET       LL-Mach Intell         [39,GAA]
R 192.12.128.rrr       ISTC-ADMIN      SRI-ISTC Admin Net     [39,VDC1]
C*192.12.129.rrr       SYM-CAN         Symbolics/Canada        [MMH5]
R 192.12.130.rrr       SDC-SM          SDC San Monica          [CAS]
R 192.12.131.rrr       SAC-ADMIN       SRI-SAC Admin Net      [39,KMC3]
R 192.12.132.rrr       LLL-MON         LLL Open Labnet-1      [39,LL64]
R 192.12.133.rrr       LLL-TUES        LLL Open Labnet-2      [39,LL64]
R 192.12.134.rrr       LLL-WED         LLL Open Labnet-3      [39,LL64]
R 192.12.135.rrr       LLL-THU         LLL Open Labnet-4      [39,LL64]
R 192.12.136.rrr       LLL-FRI         LLL Open Labnet-5      [39,LL64]
R 192.12.137.rrr       LLL-SAT         LLL Open Labnet-6      [39,LL64]
R 192.12.138.rrr       LLL-SUN         LLL Open Labnet-7      [39,LL64]
D 192.12.139.rrr       JTELS-BEN-GW    JUMPS Teleprocessing    [RR26]
R*192.12.140.rrr       INFERENCE       INFERENCE               [DGT6]
R 192.12.141.rrr       CSS-ETHER       CSS WorkSta Net 2       [RA11]
C*192.12.142.rrr       SENTRY          Sentry Adv Prod Net     [LL56]
```

```
     C*192.12.143.rrr          VSHIC-NET         Sentry VSHIC Test      [LL56]
     R 192.12.144.rrr          ECRCNET           ECRC Internet          [39,PD39]
     C*192.12.145.rrr-192.12.154.rrr  RCA-CADNET RCA-CADNET             [39,RG92]
     C*192.12.155.rrr-192.12.170.rrr  MTCS-CUST  MTCS-CUST              [SF41]
     D 192.12.171.rrr          PICANET2          Picatinny Arsenal 2    [RFD1]
     R 192.12.172.rrr          ROCKWELLENET      Rockwell Ether         [NG]
     R 192.12.173.rrr          AERO-D8           Aero-D8                [LCN]
     R*192.12.174.rrr-192.12.183.rrr  TORONTO                          [39,BD55]
     R 192.12.184.rrr          DSPO-NET          BRL Hyper Proj Net     [BT5]
     R 192.12.185.rrr          BOSTONU-NET       Boston Univ Net        [BS24]
     R 192.12.186.rrr          BU-ACCNET         BU Academic            [BS24]
     R 192.12.187.rrr          BU-BROADB         BU Broadband           [BS24]
     R 192.12.188.rrr          BU-SCINET         BU Science             [BS24]
     R 192.12.189.rrr          BU-ENGNET         BU Engineering         [BS24]
     R 192.12.190.rrr          BU-DSGNET         BU Dist Sys            [BS24]
     R 192.12.191.rrr          BU-MEDNET         BU Med School          [BS24]
     R 192.12.192.rrr          CNUCE-LAN1        CNR Pisa Ether         [ABB2]
     R 192.12.193.rrr          CNUCE-LAN2        CNR Pisa Ether         [ABB2]
     R 192.12.194.rrr          CNUCE-LAN3        CNR Pisa Ether         [ABB2]
     R 192.12.195.rrr          SDC-PRC-NET       SDC Paoli R&D Cr       [MS22]
       192.12.196.rrr          Unassigned        Unassigned             [NIC]
     D 192.12.197.rrr          ACATT-ETHER1      ADEA/CECOM Adv Tech    [39,ERK3]
     D 192.12.198.rrr          ACATT-ETHER2      ADEA/CECOM Adv Tech    [39,ERK3]
     D 192.12.199.rrr          LEWIS-ETHER1      ADEA/SRI Ft. Lewis     [39,ERK3]
     D 192.12.200.rrr          SRI-PSON-10       ADEA/SRI Ft. Lewis     [39,ERK3]
     D 192.12.201.rrr          SRI-PSON-11       ADEA/SRI Ft. Lewis     [39,ERK3]
     D 192.12.202.rrr          SRI-PSON-12       ADEA/SRI Ft. Lewis     [39,ERK3]
     D 192.12.203.rrr          SRI-PSON-13       ADEA/SRI Ft. Lewis     [39,ERK3]
     D 192.12.204.rrr          SRI-PSON-14       ADEA/SRI Ft. Lewis     [39,ERK3]
     R 192.12.205.rrr          OHIO-STATE1       Ohio State Univ        [RSD2]
     R 192.12.206.rrr          INDIANA           Indiana-Bloomington    [BS69]
     R 192.12.207.rrr          SUPERCOMP         SDSC-Supercomputer     [GKN1]
     G*192.12.208.rrr          SUN-IPC           SUN-IPC Net            [BT5]
     R 192.12.209.rrr          NSF               NSF Int Net            [FW17]
     D 192.12.210.rrr          FSTC              Army FSTC Net          [BB64]
     R 192.12.211.rrr          JVNC              NSF/JVNC Net           [HGH1]
     R 192.12.212.rrr          RAND-NET2         RAND-NET2              [JDG]
     R 192.12.213.rrr          RAND-NET3         RAND-NET3              [JDG]
     R*192.12.214.rrr          BUFFALO-CS        SUNY/Buffalo-CS-Ether  [CFD4]
     R 192.12.215.rrr          XDRENET           DRE X.25 Component     [JR17]
     R 192.12.216.rrr          STEVENS-TECH      Stevens Inst of Tech   [39,RCM9]
     R 192.12.217.rrr    T     EMORY-INET1       Emory Internet         [39,AR60]
     R 192.12.218.rrr    T     EMORY-INET2       Emory Internet         [39,AR60]
     R 192.12.219.rrr    T     EMORY-INET3       Emory Internet         [39,AR60]
     R 192.12.220.rrr-192.12.234.rrr  UWISC-IPNET                      [39,EJN1]
     R*192.12.235.rrr          IDA-NET           Comp Sc Linkoping S    [MSA1]
     R 192.12.236.rrr          CITNET            CIT Camp Net           [39,CBR2]
     R 192.12.237.rrr          HCSC-APOLLO       Honeywell CSC Apol     [2,TRG4]
```

```
     R*192.12.238.rrr      CU-BOULDER      CU Boulder Camp      [39,DCMW]
     R*192.12.239.rrr      CU-ACS          CU ACS Net           [39,DCMW]
     R*192.12.240.rrr      CU-ENGINEER     CU Eng Net           [39,DCMW]
     R*192.12.241.rrr      CU-SUNNET       CU Sun Net           [39,DCMW]
     R*192.12.242.rrr      CU-CER          CU CER Net           [39,DCMW]
     R*192.12.243.rrr      CU-OT           CU Off Tower         [39,DCMW]
     R*192.12.244.rrr      CU-ENTERPRISE   CU ECE Sun Net       [39,DCMW]
     R*192.12.245.rrr      CU-LASP         CU LASP Net          [39,DCMW]
     R*192.12.246.rrr      CU-BOULDER      CU JILA Net          [39,DCMW]
     R*192.12.247.rrr      TROTTINET       Phy Inst Univ-Zuerich   [US2]
     R 192.12.248.rrr      ATD1            Harris ATD Net          [TS14]
     R 192.12.249.rrr      ATD2            Harris ATD Net          [TS14]
     R 192.12.250.rrr      MRNET           Minn Reg Net            [BTK1]
     C*192.12.251.rrr      CDCNET-SDD      CDC SDD Test Net       [RAM57]
     R*192.12.252.rrr      LL-VENET1       LLs Venet1           [39,BC65]
     R*192.12.253.rrr      LL-VENET2       LLs Venet2           [39,BC65]
     R*192.12.254.rrr      LL-APOLLO       LLs Apol             [39,BC65]
     R*192.12.255.rrr      LL-ENET         LLs Enet             [39,BC65]
     D 192.13.0.rrr-192.14.255.rrr         DODIIS Subnets          [AY5]
     C*192.15.0.rrr-192.15.255.rrr         NBINET                  [WW2]
     G 192.16.0.rrr-192.16.15.rrr          LANLLAN              [39,JC11]
     G 192.16.16.rrr       S3-ETHER1-NET   S3-ETHER1-NET        [39,JC11]
     G 192.16.17.rrr-192.16.49.rrr         LANLLAN              [39,JC11]
     R 192.16.50.rrr-192.16.71.rrr         RPI-LOCALNETS         [39,MS9]
     R 192.16.72.rrr       UTCHPC          U.T. System CHPC     [39,WCB3]
       192.16.73.rrr       Unassigned      Unassigned              [NIC]
     R 192.16.74.rrr       UTABRC          U.T. Austin BRC      [39,WCB3]
     C*192.16.75.rrr-192.16.122.rrr        CSC-Block            [39,GG43]
     R*192.16.123.rrr-192.16.154.rrr       Swedish Net             [BE10]
     R*192.16.155.rrr-192.16.166.rrr       CERN-Block              [BMS2]
     R 192.16.167.rrr      YALE-HP-NET     YALE-HP-NET             [HML1]
     D 192.16.168.rrr      PICANET3        Picatinny 3             [RFD1]
     D 192.16.169.rrr      NRL-HUBNET      Exp Hubnet              [MPM]
     C 192.16.170.rrr      TWG-DEMO-NET    TWG Net for Demos       [JXS1]
     R 192.16.171.rrr      MACOM           M/A-COM Net            [JMA16]
     C*192.16.172.rrr      EIK-ENG         Eikonix Eng Net         [SW78]
     D 192.16.173.rrr      CDA-LAN         Catalog Data Act LAN    [FJS3]
     R 192.16.174.rrr      LL-MICRO-NET    LL Microelec Net        [GLD]
     R 192.16.175.rrr      GUACC           GU Academic Net          [SA]
     R 192.16.176.rrr      LSUNET          LSU Camp Ether          [CFB1]
       192.16.177.rrr      Unassigned      Unassigned              [NIC]
     R*192.16.178.rrr      NTT-Y-ETHER     NTT-Y-LAB Ether Net     [RN29]
     R*192.16.179.rrr      NTT-Y-APOLLO    NTT-Y-LAB Apol Net      [RN29]
     R 192.16.180.rrr      AMS             American Math Society   [SBW4]
     R 192.16.181.rrr      LL-DSN-NET      LL Dist Sensor Net      [GAA]
     R*192.16.182.rrr      GTICS-SUNS      GT ICS Faculty Suns     [DD11]
     R*192.16.183.rrr-192.16.202.rrr       WCW-LAN                  [JA]
     R 192.16.203.rrr      HCSC-SUN        Honeywell CSC Sun       [TRG4]
```

```
   R 192.16.204.rrr      IASNET            Inst for Adv Study      [KHJ]
     192.16.205.rrr-192.16.255.rrr        Unassigned              [NIC]
   R*192.17.0.rrr-192.17.4.rrr            NIBELUNG                [MA24]
   R 192.17.5.rrr        UIUC-CSO-DCLNET UIUC-CSO-DCLNET          [MA24]
   R*192.17.6.rrr-192.17.255.rrr          NIBELUNG                [MA24]
   C*192.18.0.rrr-192.18.255.rrr          SUN Microsystems, Inc    [BN4]
   C*192.19.0.rrr-192.19.255.rrr          SYSNET-2                 [EY5]
   C*192.20.0.rrr-192.20.255.rrr          ATT-MD-NET            [39,MH82]
   C*192.21.0.rrr-192.21.255.rrr          FORMATIVE              [SAB17]
   C*192.22.0.rrr-192.22.255.rrr          APPLICON               [AS90]
   C*192.23.0.rrr-192.23.255.rrr          FACTNET               [JCB42]
   C*192.24.0.rrr-192.24.255.rrr          CHROMATICS            [RB219]
   R*192.25.0.rrr-192.25.255.rrr          Hewlett Packard         [SI8]
   D*192.26.0.rrr        ACSAD             ACSAD Net             [SLH19]
   R 192.26.1.rrr        MCC-DB1-NET       MCC DB1 Net             [CBD]
   R 192.26.2.rrr        MCC-DB2-NET       MCC DB2 Net             [CBD]
   R 192.26.3.rrr        MCC-DB3-NET       MCC DB3 Net             [CBD]
   R 192.26.4.rrr        MCC-DB4-NET       MCC DB4 Net             [CBD]
   R 192.26.5.rrr        MCC-DB5-NET       MCC DB5 Net             [CBD]
   R 192.26.6.rrr        MCC-DB6-NET       MCC DB6 Net             [CBD]
   R 192.26.7.rrr        SPAWAR            SPAWAR Sys Command       [JK7]
   D 192.26.8.rrr        SAIC-CPVB         SAIC-CPVB              [MAW25]
   R*192.26.9.rrr        ICOT              ICOT Local Net          [ST13]
   R 192.26.10.rrr       GALLAUDET         Gallaudet Univ          [KBC]
   D 192.26.11.rrr       NRL-HUBNET1       Exp Hubnet 1            [MPM]
   D 192.26.12.rrr       NRL-HUBNET2       Exp Hubnet 2            [MPM]
   D 192.26.13.rrr       NRL-HUBNET3       Exp Hubnet 3            [MPM]
   D 192.26.14.rrr       NRL-HUBNET4       Exp Hubnet 4            [MPM]
   D 192.26.15.rrr       NRL-HUBNET5       Exp Hubnet 5            [MPM]
   D 192.26.16.rrr       NRL-HUBNET6       Exp Hubnet 6            [MPM]
   D 192.26.17.rrr       NRL-HUBNET7       Exp Hubnet 7            [MPM]
   D 192.26.18.rrr       NRL-HUBNET8       Exp Hubnet 8            [MPM]
   D 192.26.19.rrr       NRL-HUBNET9       Exp Hubnet 9            [MPM]
     192.26.20.rrr       Unassigned        Unassigned              [NIC]
   R 192.26.21.rrr       SDC-PRC-SW        SDC/PAOLI Soft Tech     [MS22]
   R 192.26.22.rrr       SDC-PRC-LBS       SDC/PAOLI Artif Int     [MS22]
   R 192.26.23.rrr       SDC-PRC-SA        SDC/PAOLI Sys Arch      [MS22]
   R 192.26.24.rrr       SDC-PRC-CR        SDC/PAOLI Comp Res      [MS22]
   R 192.26.25.rrr       LUCID             Lucid Net               [BM68]
   D 192.26.26.rrr       NRL-FIBER         NRL Fiber Optic Net      [WF3]
     192.26.27.rrr       Unassigned        Unassigned              [NIC]
   R*192.26.28.rrr-192.26.47.rrr          EPFL                     [YD2]
   G*192.26.48.rrr       FORUM             Region 2 ISC Net       [MR101]
   R 192.26.49.rrr       DUNET             Univ of Denver Net  [39,WE12]
   R*192.26.50.rrr       SG-NET            Silicon Graphics, Inc  [RB221]
   R 192.26.51.rrr       SGI               Silicon Graphics, Inc  [RB221]
   R*192.26.52.rrr-192.26.82.rrr          Silicon Graphics, Inc  [RB221]
   R 192.26.83.rrr       CSM-NET           Colo School of Mines    [KL31]
```

```
R 192.26.84.rrr          NPRDC-FTC        NPRDC-FTC Rem Ether       [LRB]
R 192.26.85.rrr          NUSAN            NU Super Access Net       [EEW6]
R 192.26.86.rrr          PHYSICS-SAC      NU Phy                    [EEW6]
R 192.26.87.rrr          MS-SAC           NU Material Sci SAC       [EEW6]
R 192.26.88.rrr          YALE-ENG-NET     YALE-ENG-NET              [LFO]
D 192.26.89.rrr          JTELS-BEN1-GW    JTELS-BEN1-GW             [RR26]
C*192.26.90.rrr          SYNTELNET-A      Syntelligence IPNET-A   [RAR22]
R*192.26.91.rrr          KDD              KDD Rsch Net              [TA24]
R*192.26.92.rrr          WRIGHT           Wright State Univ        [JLS45]
R*192.26.93.rrr          AECL-NET         NTT Atsugi Lab Net        [TK43]
R*192.26.94.rrr          NTT-AP-NET       NTT ECL Apol Net          [HM38]
R 192.26.95.rrr          LL-VLSI-NET      LL VLSI Net               [AHA]
R*192.26.96.rrr          FX-STC-NET2      FX-Tokyo-10BM-Net2        [SY8]
C*192.26.97.rrr          RCA-SNOOPY       Peanut Net              [RAR23]
C*192.26.98.rrr          TASC-CTC-NET     TASC Reading CTC Net      [KDM5]
C 192.26.99.rrr          FAI              FAI Local Net            [MWS10]
C 192.26.100.rrr         PROTEON-EXP1     Proteon Exp Net 1         [JS28]
C 192.26.101.rrr         PROTEON-EXP2     Proteon Exp Net 2         [JS28]
C 192.26.102.rrr         PROTEON-EXP3     Proteon Exp Net 3         [JS28]
D 192.26.103.rrr         EXNET            CECOM Exp Net             [MB31]
R*192.26.104.rrr-192.26.135.rrr   FINLAND                         [JH141]
R*192.26.136.rrr         UW-TEMP          Univ of Wash              [RA17]
R 192.26.137.rrr-192.26.146.rrr   SYR-MH-NET                       [JW47]
R 192.26.147.rrr         WLV-ETHER        ETN-WLV-ETHER             [SMS1]
R 192.26.148.rrr         UMDNJ-NRAC       UMDNJ-NRAC-NJMS           [LPM]
R 192.26.149.rrr         LL43-LEX-SUNC    Grp43 Lexington Net C     [VBK]
R 192.26.150.rrr         LL43-TB-SUNA     Grp43 Testbed Net A       [VBK]
C*192.26.151.rrr         LATICORP         LatiCorp Net        [39,CC108]
  192.26.152.rrr-192.26.255.rrr   Unassigned                       [NIC]
C*192.27.0.rrr-192.27.255.rrr   Hughes Aircraft VLSI     [PH45]
C*192.28.0.rrr-192.28.99.rrr    MMM                     [LS103]
  192.28.100.rrr-192.28.255.rrr   Unassigned                       [NIC]
C*192.29.0.rrr-192.29.255.rrr   SUN-NET                            [BN4]
C*192.30.0.rrr-192.30.255.rrr   Hewlett Packard       [13,21,SI8]
R 192.31.0.rrr           PURDUE-GEOSC     PURDUE-GEOSciS            [DT50]
C*192.31.1.rrr           CSD-GTE-LAN      CSD-GTE-LAN-NEEDHAM [39,MM135]
  192.31.2.rrr           Unassigned       Unassigned                [NIC]
R 192.31.3.rrr           ALCOA-NET        Alcoa Rsch Net        [29,JOG]
C*192.31.4.rrr           I2-ETHER-3       I2 RCE Net             [39,NH2]
R 192.31.5.rrr           BOEING-ATC       Boeing BCS ATC LAN     [39,PM37]
C*192.31.6.rrr           SQ-ETHER         SoftQuad Inc LAN       [39,BG23]
C 192.31.7.rrr           CISCO-NET        cisco Sys Net          [39,KSL]
G 192.31.8.rrr           USNA-CADNET      US Naval Acad Net       [39,TS9]
R 192.31.9.rrr           YALE-SUN2-NET    YALE-SUN2-NET            [RB187]
R 192.31.10.rrr          UTACC-ETHER1     US Army Europe Net     [39,EK18]
R 192.31.11.rrr          UTACC-ETHER2     US Army Europe Net     [39,EK18]
R 192.31.12.rrr          UTACC-ETHER3     US Army Europe Net     [39,EK18]
R 192.31.13.rrr          UTACC-ETHER4     US Army Europe Net     [39,EK18]
```

```
   R 192.31.14.rrr          CUDENVER        Denver Camp Net         [39,FCH]
   C*192.31.15.rrr          CASETEK         CASE Tech, Inc          [39,PML1]
   D 192.31.16.rrr          CC1-ENET        CENTCOM Ether           [39,GIH]
   D 192.31.17.rrr          CENTCOM-TEST    CENTCOM-MILNET-LAN        [KMC3]
   D 192.31.18.rrr          CC3-ENET        CENTCOM Ether           [39,GIH]
   D 192.31.19.rrr          CC4-ENET        CENTCOM Ether           [39,GIH]
   D 192.31.20.rrr          CC5-ENET        CENTCOM Ether           [39,GIH]
   R 192.31.21.rrr          SDSC-APOLLO     SDSC Apol Ring          [2,GKN1]
   C*192.31.22.rrr          SDCCARY         SAS Data Ctr - Cary       [DK5]
   R*192.31.23.rrr          KULEUVEN-CS     Kuleuven Comp Sci       [39,JH18]
   D 192.31.24.rrr          ALBM-NET        Lockheed ALBM Net       [39,NB16]
   C*192.31.25.rrr          NBKNET-AI       Northbrook IPNET-AI      [JC272]
   C*192.31.26.rrr          ISTNET          Imperial Soft Net       [39,NT12]
   R*192.31.27.rrr          ALTAIRETHER     GIPALTAIR BDBLUES NET     [OG4]
   R 192.31.28.rrr          STEWARD-OBS     Steward Ob              [39,SS80]
   R*192.31.29.rrr          AMDAHL-TTD      Amdahl Test Dev         [39,DR71]
   R 192.31.30.rrr          ADS-DC-NET      ADS Wash                [39,JTN]
   C*192.31.31.rrr          AXION-NET       BT Axion Net            [39,NT13]
   C*192.31.32.rrr-192.31.36.rrr            NSKK Local Area Net     [39,AK36]
   C*192.31.37.rrr          SDCAPOLL        SAS Data Ctr - Cary       [DK5]
   C*192.31.38.rrr          TIATSPINE       TI Attleboro Spine       [WDR7]
     192.31.39.rrr          Unassigned      Unassigned                [NIC]
   R 192.31.40.rrr          YALE-SUN3-NET   YALE-SUN3-NET            [RB187]
   R 192.31.41.rrr          YALE-RT-NET     YALE-RT-NET              [RB187]
   R 192.31.42.rrr          YALE-RT2-NET    YALE-RT2-NET             [RB187]
   R 192.31.43.rrr          CNSNET          Caltech-CNS Bio Net     [39,DC99]
   C 192.31.44.rrr          MRC-NET         McLean Rsch Ctr          [WLG7]
   R 192.31.45.rrr          WILLIAMS        Williams Coll           [39,RW101]
   R*192.31.46.rrr          LFU_ETHER       Lab for Ultrasonics      [GAM27]
   R 192.31.47.rrr-192.31.61.rrr            Bay Area Regional Net    [AB71]
   R*192.31.62.rrr          SRI-CAM         SRI Cambridge UK        [39,AGS5]
   R 192.31.63.rrr          SCUBED-BBONE    SCUBED-BBONE-NET        [39,TH60]
   R 192.31.64.rrr          S3-RESEARCH     S3-Rsch-NET             [39,TH60]
   R 192.31.65.rrr          S3-FIBER-NET    S3-FIBER-NET            [39,TH60]
   R 192.31.66.rrr          S3-ABQNET       S3-ABQNET               [39,TH60]
   R 192.31.67.rrr          S3-SLIP-NET     S3-SLIP-NET             [39,TH60]
   R 192.31.68.rrr          S3-THIN-NET     S3-THIN-NET             [39,TH60]
   R 192.31.69.rrr          S3-BBONE2-NET   S3-BBONE2-NET           [39,TH60]
   R 192.31.70.rrr          S3-ETHER2-NET   S3-ETHER2-NET           [39,TH60]
   R 192.31.71.rrr          S3-ETHER3-NET   S3-ETHER3-NET           [39,TH60]
   R 192.31.72.rrr          S3-ETHER4-NET   S3-ETHER4-NET           [39,TH60]
   C*192.31.73.rrr          MTEL-APOLLO     M/A-COM MTEL Apol       [39,JF77]
   C*192.31.74.rrr          GSSD-APOLLO     M/A-COM GSSD Apol       [39,PC55]
   D 192.31.75.rrr          HQDA-AI         Pentagon Army AI Net    [39,DH23]
   D 192.31.76.rrr          CSTLNET         Combat Sys Tech Lab      [MP20]
   C*192.31.77.rrr          MAPNET          Mervine & Pallesen      [39,BH80]
   C*192.31.78.rrr          WELLSNET-A1     Wells Fargo IPNET-A1    [39,JN47]
   C*192.31.79.rrr          WACHOVIANET-AI  Wachovia IPNET-AI       [39,PMH3]
```

```
   R*192.31.80.rrr       FERMILAB        FERMILAB               [CD75]
     192.31.81.rrr       Unassigned      Unassigned              [NIC]
   D 192.31.82.rrr       HQEIS           HQ AFSC EIS         [39,SMK2]
   R 192.31.83.rrr       OSUNET          OSU Camp Net           [PW37]
   C*192.31.84.rrr       CUBI            Cubicomp Corp Net     [2,SFJ]
   C 192.31.85.rrr       CLINET          Comp Logic Net    [39,WAH11]
   R 192.31.86.rrr       RAZORNET        UAF Camp Net          [DLM34]
   R 192.31.87.rrr       HARC-NET        Houston Area Rsch Ctr  [DN22]
   R 192.31.88.rrr       BCMTECH-NET     BCM Tech Net        [39,SB98]
   R 192.31.89.rrr       MIAMI-NET       Univ of Miami       [39,HWP2]
   R*192.31.90.rrr       MORAVIAN        Moravian Coll         [JPS17]
   R*192.31.91.rrr       NECAM           NECAmerica             [ARS3]
   R 192.31.92.rrr       CIT-CONTROL     Caltech Control Lab [39,JD27]
   R 192.31.93.rrr       CIT-SRLNET      Caltech SRL Net     [39,CJL2]
     192.31.94.rrr       Unassigned      Unassigned              [NIC]
   R*192.31.95.rrr       UCCNET          UC Corp, Admin Net  [39,AC42]
   G 192.31.96.rrr       ORNL-OSTINET    OSTI Local Area Net  [24,THD]
   R 192.31.97.rrr       KSU-NET         Kansas State Univ   [39,MSM1]
   D 192.31.98.rrr       PBAS-BEN2-GW    PBAS-BEN2-Gw          [RR26]
   R 192.31.99.rrr       ISUNET          ISU Camp Net          [RD80]
   D 192.31.100.rrr      GUNTER-LAN      GUNTER-LAN            [TMD6]
   R*192.31.101.rrr      TSU-NET         Texas Southern Univ   [39,AZ]
   R 192.31.102.rrr      M2C-NET         Mass Microelec Ctr Net [SM67]
   R 192.31.103.rrr      P-TO-P-NET      CSNET Pt to Pt Net    [LL53]
   R 192.31.104.rrr      PSCSURA         PSCSURA               [JH92]
   R*192.31.105.rrr      UCC-PRO-UCB     UC Corp, Admin Net  [39,AC42]
   D 192.31.106.rrr      NSWSES-NAVY     PORT-HUENEME-CBC      [DD41]
     192.31.107.rrr      Unassigned      Unassigned             [NIC]
   R*192.31.108.rrr      UCFCSNET        UCF CS Deparment Net [39,TB64]
   R*192.31.109.rrr      FREDONIA        SUC-FREDONIA          [JM278]
   C*192.31.110.rrr      ADCAPOLL        Austin Data Ctr Apol [RC113]
   R*192.31.111.rrr      AIRMICS         AIRMICS Rsch Net      [DFH2]
   R*192.31.112.rrr      TRINCOLL        Trinity-Hartford    [38,MA54]
   C*192.31.113.rrr      ODYSSEY         Odyssey Rsch          [JH22]
   C*192.31.114.rrr      DRINET          DRI Eng Net         [21,KB60]
   C*192.31.115.rrr      FIRENET-AI      Fireman's Fund IPNET [39,CO16]
   R*192.31.116.rrr-192.31.124.rrr      Univ of Tokyo Net   [39,JM292]
   R*192.31.125.rrr-192.31.144.rrr      DUT Net              [39,FD18]
   R 192.31.145.rrr      SIGNET          Small IP Gw Net      [39,PGM]
   R 192.31.146.rrr      UCR             UC Rivside          [39,DM157]
   D 192.31.147.rrr      NUWESNET        NUWES-KEYPORT-LAN     [RM125]
   C*192.31.148.rrr      AIGNET-AI       AIG IPNET-AI        [39,RK51]
   C*192.31.149.rrr      WACNET-AI       1st Wachovia IPNET  [39,PMH3]
   C*192.31.150.rrr      STPNET-AI       St. Paul IPNET-AI   [39,RLP30]
   C*192.31.151.rrr      COGNITIONNET    CI-Headquarters     [39,DW93]
   C 192.31.152.rrr      ROSENET         Rosetta Net         [39,SC54]
   R 192.31.153.rrr      SALKNET         Salk Inst Net        [39,JOO]
   R 192.31.154.rrr      UNMHC-DEV       U of NM Hyper Net    [39,KDZ]
```

```
     R 192.31.155.rrr       GEOLOGY-NWU        Northwestern Geology [39,EEW6]
     R*192.31.156.rrr       CANISIUS-CS        Canisius Comp Sci    [39,MS101]
     R 192.31.157.rrr       RTNET              C3P Ether Cube       [39,SC81]
     D 192.31.158.rrr       DAITC              Def Appl Info Tech   [39,CG24]
     R 192.31.159.rrr       NYTGCYLAB          NYTGCYLAB            [39,SS110]
     D 192.31.160.rrr       NUWES-C-NET        NUWES-KEYPORT-LAN      [RM125]
     R 192.31.161.rrr       UCB-UCSC-NET       UCB-UCSC 56K Backup     [CF4]
     G*192.31.162.rrr       DOL-NET            Dept of Labor Net    [39,DD47]
     R 192.31.163.rrr       C3P-NET            C3P SUN Subnet       [39,HLW7]
     D 192.31.164.rrr       MO-NET             MITRE Omaha Net      [39,SM62]
     R 192.31.165.rrr       NOAO-TUCSON        NOAO-TUCSON Ether     [39,SG1]
     R*192.31.166.rrr       EUTEA              EUT-Elec-DEPT          [JVE2]
     R*192.31.167.rrr       EUTES              EUT-Elec-DEPT-ES       [JVE2]
     R*192.31.168.rrr       EUTEB              EUT-Elec-DEPT-EB       [JVE2]
     R*192.31.169.rrr       EUTEEB             EUT-Elec-DEPT-EEB      [JVE2]
     R*192.31.170.rrr       EUTEEA             EUT-Elec-DEPT-EEA      [JVE2]
     R*192.31.171.rrr       EUTEX              EUT-Elec-DEPT-EX       [JVE2]
     D 192.31.172.rrr       IH-POE-GW          IH-POE-GW            [39,LK27]
     R*192.31.173.rrr       NORTHWESTNET       Wiche Northwest Net  [21,GK44]
     D 192.31.174.rrr       CORONA-GW          FLEET-ANALYSIS-NET   [39,LM35]
     C*192.31.175.rrr       ZAIAZ              ZAIAZ InterNatl      [39,WDW2]
     R*192.31.176.rrr       CADR               CAD Rsch Net           [MA56]
     R 192.31.177.rrr       THINK-INET-1       Thinking Machs Ether [39,BN9]
     R 192.31.178.rrr       THINK-INET-2       Thinking Machs Ether [39,BN9]
     R 192.31.179.rrr       THINK-INET-3       Thinking Machs Ether [39,BN9]
     R 192.31.180.rrr       THINK-INET-4       Thinking Machs Ether [39,BN9]
     R 192.31.181.rrr       THINK-INET-5       Thinking Machs Ether [39,BN9]
     R 192.31.182.rrr       THINK-INET-6       Thinking Machs Ether [39,BN9]
     R 192.31.183.rrr       THINK-INET-7       Thinking Machs Ether [39,BN9]
     R 192.31.184.rrr       THINK-INET-8       Thinking Machs Ether [39,BN9]
     R 192.31.185.rrr       THINK-INET-9       Thinking Machs Ether [39,BN9]
     R 192.31.186.rrr       THINK-INET-10      Thinking Machs Ether [39,BN9]
     R 192.31.187.rrr       THINK-INET-11      Thinking Machs Ether [39,BN9]
     R 192.31.188.rrr       THINK-INET-12      Thinking Machs Ether [39,BN9]
     R 192.31.189.rrr       THINK-INET-13      Thinking Machs Ether [39,BN9]
     R 192.31.190.rrr       THINK-INET-14      Thinking Machs Ether [39,BN9]
     R 192.31.191.rrr       THINK-INET-15      Thinking Machs Ether [39,BN9]
     R 192.31.192.rrr       SUPER              IDA Super Net        [39,RSH]
     R 192.31.193.rrr       CUA                Catholic Univ        [39,ECM6]
     R 192.31.194.rrr       YALE-RT3-NET       YALE-RT3-NET           [RB187]
     R 192.31.195.rrr       YALE-CHAOS-NET     YALE-CHAOS-NET         [RB187]
     R*192.31.196.rrr       SERC-NET           Purdue SERC Net      [21,DT50]
     G*192.31.197.rrr-192.31.206.rrr           Electrotech Lab Nets [30,TO4]
     R 192.31.207.rrr       HCSC-SUN2          Honeywell CSDD Sun 2 [39,TRG4]
     D 192.31.208.rrr       CENTERNET          NAVWPNSUPPCEN-LAN      [JA91]
     C*192.31.209.rrr       PHRED              Physio Redmond       [39,MG95]
     R 192.31.210.rrr       STSCI-NET          Space Telescope Net    [LAB5]
     R*192.31.211.rrr       EMSE-INET          RES-LOC Mines Info    [39,JFC6]
```

```
   C*192.31.212.rrr      LUCID-ETHER1     Lucid Ether 1          [39,LNZ]
   C*192.31.213.rrr      LUCID-APOLLO     Lucid Apol Net         [39,LNZ]
   R*192.31.214.rrr      ALASKANET        Univ of Alaska Net     [27,GK44]
   R*192.31.215.rrr      MONTANANET       Montana State Univ     [27,GK44]
   R*192.31.216.rrr      WSUNET           WSU Net                [27,GK44]
   R 192.31.217.rrr      MCC-ACA1-NET     MCC ACA1 Net           [39,CBD]
   R 192.31.218.rrr      MCC-ACA2-NET     MCC ACA2 Net           [39,CBD]
   R 192.31.219.rrr      MCC-ACA3-NET     MCC ACA3 Net           [39,CBD]
   R 192.31.220.rrr      MCC-ACA4-NET     MCC ACA4 Net           [39,CBD]
   R 192.31.221.rrr      MCC-ACA5-NET     MCC ACA5 Net           [39,CBD]
   R*192.31.222.rrr      CAYMAN-IP        Cayman Sys IP Net      [39,BP52]
     192.31.223.rrr      Unassigned       Unassigned                [NIC]
   R*192.31.224.rrr      ANU              Australian Natl Univ   [21,PW44]
   D 192.31.225.rrr      MINSY-POE        MINSY-POE-NAVSHIPYD    [39,CV14]
   D 192.31.226.rrr      LOGAIRCOMNET     LOGAIR COMNET             [TEC6]
   C*192.31.227.rrr      KSR-ETHER-1      KSR Cambridge Ether 1  [39,BIM]
   R*192.31.228.rrr      OUINET           Univ of SW Louis       [39,SJM9]
   R*192.31.229.rrr      AMDAHL-DAPE      Amdahl Des Auto Phy    [39,JFD9]
   R 192.31.230.rrr      INCSYS           Incremental Sys        [38,JS281]
   R*192.31.231.rrr      VUCS-AMS         VU CS Net              [39,HVS1]
   C*192.31.232.rrr      CFI-NET          CFI Ether              [39,SL47]
   C*192.31.233.rrr      CNT-CORP         CNT Backbone Net       [39,RM176]
   R 192.31.234.rrr      YALE-SUN4-NET    YALE-SUN4-NET             [HML1]
   R 192.31.235.rrr      YALE-MISC-NET    YALE-MISC-NET             [HML1]
   R 192.31.236.rrr      YALE-CS-NET      YALE-CS-NET               [HML1]
   R 192.31.237.rrr      CIT-SEISMO       Caltech Seis Lab       [39,CS124]
   D 192.31.238.rrr      NCP-LAN          NAVCOMPARS-DDN            [JM246]
   D 192.31.239.rrr      SEACOMNET        NAVSEA Comm Net          [JH10]
   C*192.31.240.rrr      LEXICON          Lexicon Etn              [MK75]
   G 192.31.241.rrr      MSFC-DR-NET      MSFC Data Red Net      [39,MSM1]
   R 192.31.242.rrr      DIALUP-IP        CSNET-DIALUP-IP-Net      [DBL1]
   R*192.31.243.rrr      WRIGHT-SE        Wright State Univ      [39,JLS45]
   C*192.31.244.rrr      WYSE             WYSE-Ether               [MW83]
   R*192.31.245.rrr      OUINET-2         USL CACS Net           [39,SJM9]
   C 192.31.246.rrr      MARBLE-NET       Marble R&D Internet    [39,ME38]
   C*192.31.247.rrr      CVBNET           CV Backbone Net        [39,AC66]
   R*192.31.248.rrr      AJTNET           Aerojet Tustin Net     [39,RJH33]
   C*192.31.249.rrr      ADELIE           Adelie Info Net        [39,BAB7]
   C*192.31.250.rrr      THALATTA-NET     Thalatta Corp Net      [39,JPB17]
   R*192.31.251.rrr      PHIL-PCG         Philips PCG            [39,JB230]
   C*192.31.252.rrr      FTC-ETHER-A      Framentec Ether        [39,RS253]
   R 192.31.253.rrr      CQENET           Quality Eng Net        [39,EEW6]
   R 192.31.254.rrr      ALFREDNET        CERAMICSOFALFREDNET    [39,GMQ]
     192.31.255.rrr      Reserved         Reserved                  [JBP]
   C*192.32.0.rrr-192.32.255.rrr           Wellfleet Customer       [AW56]
     192.33.0.rrr        Reserved         Reserved                  [JBP]
   R*192.33.1.rrr        MTHOLYOKE        Mount Holyoke          [39,WB53]
   C*192.33.2.rrr        MRST-NET         MRS Tech Net           [13,ER42]
```

```
   D 192.33.3.rrr          DDN-OFFICE          DDN Program Off Net  [39,MCSJ]
   R 192.33.4.rrr          NYSERLAN            NYSERNETLAN             [39,MS9]
   D 192.33.5.rrr          CAC-CEN1            CAC Concept Eval Net  [21,BG25]
   D 192.33.6.rrr          CAC-CEN2            CAC Concept Eval Net  [21,BG25]
   D 192.33.7.rrr          CAC-CEN3            CAC Concept Eval Net  [21,BG25]
   D 192.33.8.rrr          CAC-CEN4            CAC Concept Eval Net  [21,BG25]
   D 192.33.9.rrr          CAC-CEN5            CAC Concept Eval Net  [21,BG25]
   R 192.33.10.rrr         NOAO-KPNO           NOAO-KPNO Ether        [39,SG1]
   R 192.33.11.rrr         NOAO-ORION          NOAO-Tucson-Orion      [39,SG1]
   R*192.33.12.rrr         HAMPSHIRE           Hampshire Coll        [39,PT23]
   D 192.33.13.rrr         BRL-CDCNET          BRL CDC Local Net       [GJK1]
   R 192.33.14.rrr         CIT-WAG-NET         CIT W.A. Goddard Net   [RED22]
   C*192.33.15.rrr         CHORUS-OPERA        Chorus Sys Int Net    [39,SL68]
   R*192.33.16.rrr         COGNET              COGS Rsch Net        [39,RS255]
   R 192.33.17.rrr         CALTECH-AMA         Applied Math Net      [39,DIM2]
   R*192.33.18.rrr         NDHECNET            North Dakota HEC Net    [GK44]
   R*192.33.19.rrr         SERI                Solar Ener Rsch Net   [39,AM92]
   C*192.33.20.rrr         AUX-DEFAULT         Default Net for A/UX  [39,HK24]
   C 192.33.21.rrr         RISC-NET            Rockwell Sci Ctr      [39,WAG5]
   C*192.33.22.rrr         PORTAL              The Portal System    [39,JL115]
   R 192.33.23.rrr         ROUTETEST0          Routing Testing Nets     [SSW]
   R 192.33.24.rrr         ROUTETEST1          Routing Testing Nets     [SSW]
   R 192.33.25.rrr         ROUTETEST2          Routing Testing Nets     [SSW]
   R 192.33.26.rrr         ROUTETEST3          Routing Testing Nets     [SSW]
   R 192.33.27.rrr         ROUTETEST4          Routing Testing Nets     [SSW]
   R 192.33.28.rrr         ROUTETEST5          Routing Testing Nets     [SSW]
   R 192.33.29.rrr         ROUTETEST6          Routing Testing Nets     [SSW]
   R 192.33.30.rrr         ROUTETEST7          Routing Testing Nets     [SSW]
   R 192.33.31.rrr         ROUTETEST8          Routing Testing Nets     [SSW]
   R 192.33.32.rrr         ROUTETEST9          Routing Testing Nets     [SSW]
   D 192.33.33.rrr         NICNET              Net Info Ctr Net       [39,MKL]
     192.33.34.rrr         Reserved            Reserved                 [NIC]
   C*192.33.35.rrr         MIZAR               Mizar Digital System [39,MCL9]
   R*192.33.36.rrr         VUPHYS-AMS          VU PHYS LAN            [39,FU1]
   C*192.33.37.rrr-192.33.86.rrr      BOEING-LOCALNETS      [39,SGR1]
   R*192.33.87.rrr-192.33.111.rrr     ETH Nets              [39,MA63]
   C 192.33.112.rrr        TIS-NET             TIS Net               [39,DID1]
   C*192.33.113.rrr        MYBULL              MASSY-BULL-SUPPORT   [39,CM116]
   C*192.33.114.rrr        MYDEMO              MASSY-BULL-DEMO      [39,CM116]
   R 192.33.115.rrr        NRAO-CV             NRAO-CV Ether         [39,DCW9]
   R*192.33.116.rrr        NRAO-GB             NRAO-GB Ether        [39,MC147]
   R*192.33.117.rrr        NRAO-VLA            NRAO-VLA Ether        [39,BP57]
   R*192.33.118.rrr-192.33.127.rrr    PSI-E/OSI-W          [39,BH103]
   R 192.33.128.rrr        BNL-AGS             BNL-AGS Apol          [SM111]
   C*192.33.129.rrr        TYMNET-QA           TYMNET-Quality Assur  [DH161]
   C*192.33.130.rrr        SPHINX              Sphinx, Maidenhead  [39,BM106]
   C*192.33.131.rrr        PHIL-CE             Philips CE            [39,HB60]
   C*192.33.132.rrr        STEREOLITHO         DEC Stereolitho Net   [39,EM67]
```

```
    R*192.33.133.rrr      PRL-REDHILL      Philips Rsch Labs UK [39,MCH5]
    C*192.33.134.rrr      ESOSUN           SAIC GeoPhy Net      [39,PW49]
    G*192.33.135.rrr      AIST-LAN         AIST-LAN-TSUKUBA     [39,MK79]
    R*192.33.136.rrr      KUBNET           KUBNET Camp Net         [TN17]
    R*192.33.137.rrr      CT-ETHER         CT Ether            [21,CS136]
    R*192.33.138.rrr      CT-ATALK         CT Appletalk Net    [21,CS136]
    R 192.33.139.rrr      CLEMSON-CS       CLEMSON-CS           [39,CR83]
    R 192.33.140.rrr      SAO-NET          Smithsonian Astro Ob [39,KG35]
    R 192.33.141.rrr      SAO1-NET         Smithsonian Astro Ob [39,KG35]
    R 192.33.142.rrr      SAO2-NET         Smithsonian Astro Ob [39,KG35]
    R*192.33.143.rrr-192.33.182.rrr        French Unix Users    [21,AR41]
    D 192.33.183.rrr      SAPE-MOBILE      RADC-SAPE-Mob-NODE  [39,CAD13]
    D 192.33.184.rrr      SAPE-PRNODE      RADC-SAPE-PR-NET     [4,CAD13]
    G 192.33.185.rrr      SAAD-ARPA        ISC-SAC-SAAD           [DRM24]
    G 192.33.186.rrr      USACEC-GW        USACEC DDN-OSI GW      [39,DEA]
    C*192.33.187.rrr      INNONET          Innovative Lib Net  [39,JW181]
    R*192.33.188.rrr      TG-ETHER         Teledyne Geotech    [39,DC115]
    C 192.33.189.rrr      FX-NET           FX Corp Net          [39,EJ19]
    C*192.33.190.rrr      TCP-SECURE       TCP Secure Net       [39,AW65]
    C*192.33.191.rrr      WEST             West, Inc Symbolics    [BML2]
    R*192.33.192.rrr      EPFL-DOMAIN-ME   ME Students Apol Sta  [39,YD2]
    R*192.33.193.rrr      EPFL-DOMAIN-MA   MA Students Apol Sta  [39,YD2]
    R*192.33.194.rrr      EPFL-DOMAIN-MX   MX Students Apol Sta  [39,YD2]
    R*192.33.195.rrr      EPFL-DOMAIN-EL   EL Students Apol Sta  [39,YD2]
    R*192.33.196.rrr      EPFL-DOMAIN-GC   GC Students Apol Sta  [39,YD2]
    R*192.33.197.rrr      EPFL-DOMAIN-PH   PH Students Apol Sta  [39,YD2]
    R*192.33.198.rrr      EPFL-DOMAIN-CH   CH Students Apol Sta  [39,YD2]
    R*192.33.199.rrr      EPFL-DOMAIN-DA   DA Students Apol Sta  [39,YD2]
    R*192.33.200.rrr      EPFL-DOMAIN-GR   GR Students Apol Sta  [39,YD2]
    R*192.33.201.rrr      EPFL-DOMAIN-CC   CC Students Apol Sta  [39,YD2]
    R*192.33.202.rrr      EPFL-APPLE-ME    ME Students Mac Sta   [39,YD2]
    R*192.33.203.rrr      EPFL-APPLE-MA    MA Students Mac Sta   [39,YD2]
    R*192.33.204.rrr      EPFL-APPLE-MX    MX Students Mac Sta   [39,YD2]
    R*192.33.205.rrr      EPFL-APPLE-EL    EL Students Mac Sta   [39,YD2]
    R*192.33.206.rrr      EPFL-APPLE-GC    GC Students Mac Sta   [39,YD2]
    R*192.33.207.rrr      EPFL-APPLE-PH    PH Students Mac Sta   [39,YD2]
    R*192.33.208.rrr      EPFL-APPLE-CH    CH Students Mac Sta   [39,YD2]
    R*192.33.209.rrr      EPFL-APPLE-DA    DA Students Mac Sta   [39,YD2]
    R*192.33.210.rrr      EPFL-APPLE-GR    GR Students Mac Sta   [39,YD2]
    R*192.33.211.rrr      EPFL-APPLE-CC    CC Students Mac Sta   [39,YD2]
    R*192.33.212.rrr-192.33.231.rrr        Univ of Geneva    [12,21,AS116]
    R*192.33.232.rrr-192.33.240.rrr        EUT IPNET                [JFAS]
    C*192.33.241.rrr-192.33.250.rrr        SMI, Atlanta Reg Net [39,KD36]
    C*192.33.251.rrr      ISA-NET          ISA Company Net     [39,CJB15]
    R 192.33.252.rrr      CLEMSON-CSD      Clemson Univ CSD Net [39,CR83]
    R*192.33.253.rrr      CANISIUS-CC      Canisius Comp Ctr    [39,LD46]
    C*192.33.254.rrr      RMI-NET          RMI Net Comm & Ret Sys [RM213]
      192.33.255.rrr      Reserved         Reserved                [JBP]
```

```
     C*192.34.0.rrr-192.34.255.rrr        NETWORK-ADM-OFFICE       [SI8]
     C*192.35.0.rrr-192.35.19.rrr         NIXDORF Nets             [PD39]
     C*192.35.20.rrr-192.35.44.rrr        GE-INTERNET             [39,JEB50]
     C*192.35.45.rrr      MSDCNET          MSDC Corp Net            [39,PNW]
     C*192.35.46.rrr      GMHGATE          GMH Medical Sys Gw       [39,PNW]
     C*192.35.47.rrr      GMHNET           GMH Medical Sys Net      [39,PNW]
     R 192.35.48.rrr      VIRGINIA-T1      Univ of Virginia        [39,JAJ17]
     R 192.35.49.rrr      VIRGINIA-T2      Univ of Virginia        [39,JAJ17]
     C*192.35.50.rrr      CLARIS-NET       Claris Corp             [21,CM130]
     R*192.35.51.rrr      CARLETON         Carleton Coll Net        [BA41]
     R*192.35.52.rrr-192.35.61.rrr        ED-DEPTS                 [21,WSC5]
     D 192.35.62.rrr      NOSL-POE         NOSL-POE-GW             [39,DB211]
     R*192.35.63.rrr-192.35.72.rrr        UniDo Campus Net        [39,RV32]
     C*192.35.73.rrr      OPTICOM          Opticom CorpInternet     [CJB1]
     D 192.35.74.rrr      FOTLANHS         FOTLANHS-MONMOUTH        [21,FJH1]
     D 192.35.75.rrr      FOTLANMS         FOTLANMS-MONMOUTH        [21,FJH1]
     D 192.35.76.rrr      FOTLANLS         FOTLANLS-MONMOUTH        [21,FJH1]
     C*192.35.77.rrr      GM-AES-NET       GM AES Net              [39,DS229]
     R*192.35.78.rrr      IRIS-RING        IRIS Headquarters       [39,JFS22]
     R 192.35.79.rrr      CCFNET           CCF Net               [21,39,EM75]
     D 192.35.80.rrr      NUSC-V702M-1     NUSC V702M Local Net  [27,SR77]
     R 192.35.81.rrr      UWP-IPNET        UW-Parkside IP Net      [39,TVF1]
     R 192.35.82.rrr      CORNELL-DMZ      Cornell Ext Ether       [39,JCH17]
     C*192.35.83.rrr      SDCCARY2         SAS Data Ctr Cary Two   [RC113]
     C*192.35.84.rrr      BDM-MCLEAN       BDM Corp, McLean        [39,JS167]
     R*192.35.85.rrr      MCGILL-TMP01     McGill Kludge Net 1     [MOUSE]
     R 192.35.86.rrr      UMN-MORRIS-NET   Univ of Minn Morris     [39,AP57]
     C*192.35.87.rrr      CMPNET           Conn Mach Prod Net       [GC89]
     R 192.35.88.rrr      ADEL02-NET       Adelphi Site LABCOM    [39,CM115]
     R 192.35.89.rrr      YCC-SYS-TR       YCC Sys Token Ring       [HKG2]
     R 192.35.90.rrr      CNR-TO-LAN       CNR Torino Ether        [39,SG88]
     C*192.35.91.rrr      CSR-NET          CSR Demo Net            [39,HKG2]
     C*192.35.92.rrr      UNISYS-HPW-1     Unisys HPW Net 1        [39,MS22]
     C*192.35.93.rrr      UNISYS-HPW-2     Unisys HPW Net 2        [39,MS22]
     G*192.35.94.rrr      RSRE-SLAN        RSRE Site LAN           [39,B05]
     R 192.35.95.rrr      HCSC-APPLE       CSDD APPLETALK          [TRG4]
     R 192.35.96.rrr      UOKECNA          Univ of Okla, ECN-A     [JW136]
     R 192.35.97.rrr      UOKECNB          Univ of Okla, ECN-B     [JW136]
     R 192.35.98.rrr      UOKECNC          Univ of Okla, ECN-C     [JW136]
     D 192.35.99.rrr      ARMTE-NET        WSMR-ARMTE-NET          [21,RHM11]
     R*192.35.100.rrr     SHI-ETHER        Sci Horizons Ether      [39,MB168]
     R 192.35.101.rrr     KEYSTONE-NET     Keystone-Acres-Net      [21,GR11]
     C*192.35.102.rrr     IBINET           InfoBuilders Net        [KM79]
     C*192.35.103.rrr     SONET            Sinclair Optics Net     [39,SWW6]
     R 192.35.104.rrr     CIT-OPTICS       CIT Optics Net          [39,AY10]
     C*192.35.105.rrr     POCI             Pocatello Des Grp Net   [MA56]
     R*192.35.106.rrr     LMSC-LAMS        Lockheed Marine Sys     [39,GMT6]
     R*192.35.107.rrr     NOVANET          Nova Camp Net           [39,JP04]
```

```
   C*192.35.108.rrr        SGI-UK          Silicon Graphics UK    [RA94]
   C*192.35.109.rrr-192.35.126.rrr         APOLLO-GW-NET            [SJL]
   G*192.35.127.rrr        TRLNET          TELECOM-AUST-RES-NET [39,PJT9]
   G*192.35.128.rrr        NESDIS-NET      NOAA NESDIS NET      [39,MSM1]
   G*192.35.129.rrr        WWB-NET         NOAA WORLD WEATHER   [39,MSM1]
   C*192.35.130.rrr        WANG-CAD        WANG-CAD               [WWP8]
   C*192.35.131.rrr        WANG-TEST       WANG-TEST              [WWP8]
   D*192.35.132.rrr        WANG-TLAN       WANG-TLAN              [WWP8]
   R*192.35.133.rrr        WANG-MISC       WANG-MISC              [WWP8]
   R*192.35.134.rrr        LL-DIV7         LL Div 7            [39,BC65]
   R*192.35.135.rrr        LL-DIV9         LL Div 9            [39,BC65]
   R*192.35.136.rrr        LL-GR47-ADT     LL Grp 47 ADT Proj  [39,BC65]
   R*192.35.137.rrr        LL-GR47-RPV     LL Grp 47 RPV Proj  [39,BC65]
   C*192.35.138.rrr        SPIDER          Spider Sys R&D Net    [AD67]
   R*192.35.139.rrr        PAGODA          KAIST Pagoda Net   [39,JK151]
   R*192.35.140.rrr        WWU-NET         WWU Comp Sci Net    [21,PAN1]
   C*192.35.141.rrr        QUADRON         Quadron Dev Net     [39,HP32]
   D 192.35.142.rrr        YKTNPOE-GW      YKTNPOE-GW-NWS      [39,WRR5]
      192.35.143.rrr-223.255.254.rrr       Unassigned              [NIC]
    *223.255.255.rrr       Reserved        Reserved               [JBP]
```

Other Reserved Internet Addresses

```
* Internet Address  Name            Network          References
- ----------------  ----            -------          ----------
224.000.000.000-239.255.255.255 Multicast         [11,JBP]
240.000.000.000-255.255.255.255 Reserved             [JBP]
```

Network Totals

Assigned for the ARPA-Internet and the DDN-Internet

Class	A	B	C	Total
Research	14	233	1443	1690
Defense	9	38	603	650
Government	1	20	69	90
Commercial	4	23	22	49
Total	28	314	2137	2479

Allocated for Internet and Independent Uses

Class	A	B	C	Total
Research	14	333	2431	2778
Defense	9	44	606	659
Government	1	32	88	121
Commercial	4	84	5066	5154
Total	28	493	8198	8719

Maximum Allowed

Class	A	B	C	Total
Research	8	1024	65536	66568
Defense	24	3072	458752	461848
Government	24	3072	458752	461848
Commercial	74	9214	1114137	1123394
Total	126	16382	2097150	2113658

AUTONOMOUS SYSTEM NUMBERS

   The Exterior Gateway Protocol (EGP) [33,35] specifies that groups of
   gateways may form autonomous systems. The EGP provides a 16-bit
   field for identifying such systems. The values of this field are
   registered here.

Autonomous System Numbers:

   Decimal   Name   References
   -------   ----   ----------
     0   Reserved   [JBP]
     1   The BBN Core Gateways   [MB]
     2   DCN-AS   [DLM1]
     3   The MIT Gateways   [RH164]
     4   ISI-AS   [JKR1]
     5   Symbolics   [CH2]
     6   HIS-Multics   [JLM23]
     7   UK-MOD   [RNM1]
     8   RICE-AS   [PGM]
     9   CMU-ROUTER   [MA]
    10   CSNET-PDN-AS   [RDR4]
    11   HARVARD   [SB28]
    12   NYU-DOMAIN   [EF5]
    13   BRL-AS   [RR33]
    14   COLUMBIA-GW   [BC14]
    15   NET DYNAMICS EXP   [ZSU]
    16   LBL   [WG]
    17   PURDUE-CS   [DT50]
    18   UTEXAS   [LSV]
    19   CSS-DOMAIN   [RR2]
    20   UR   [LB16]
    21   RAND   [JDG]
    22   NOSC   [RLB3]
    23   RIACS-AS   [DG28]
    24   AMES-NAS-GW   [MF31]
    25   UCB   [MK17]
    26   CORNELL   [BN9]
    27   UMDNET   [MP12]
    28   DFVLR-SYS   [GB7]
    29   YALE-AS   [HML1]
    30   SRI-AICNET   [PM4]
    31   CIT-CS   [AD22]
    32   STANFORD   [PA5]
    33   DEC-WRL-AS   [RKJ2]
    34   UDEL-EECIS   [NMM]
    35   MICATON   [WDL]
    36   EGP-TESTOR   [PEM4]

```
37   NSWC                                              [DAF9]
38   UIUC                                               [AKC]
39   NRL-ITD                                             [AP]
40   MIT-TEST                                           [NC3]
41   AMES                                              [MSM1]
42   THINK-AS                                          [BJN1]
43   BNL-AS                                              [GC]
44   S1-DOMAIN                                          [LWR]
45   LLL-TIS-AS                                         [NAL]
46   RUTGERS                                            [RM8]
47   USC-OBERON                                        [DRS4]
48   NRL-AS                                             [WF3]
49   ICST-AS                                           [CWH3]
50   ORNL-MSRNET                                        [THD]
51   USAREUR-EM-AS                                      [FWD]
52   UCLA                                               [RBW]
53   NORTHROP-AS                                       [RSM1]
54   COA-FIN-NET                                       [RR26]
55   UPENN-CIS                                          [IW5]
56   OPTIMIS-P                                         [GPL1]
57   UMN-REI-UC                                         [HWB]
58   DREA-AS                                           [GLH5]
59   WISC-MADISON-AS                                   [EJN1]
60   DARPA-BFLY                                          [MB]
61   DEC-MARLBORO-AS                                   [JM60]
62   TEKVAXC                                           [TE16]
63   LL-MI                                              [RTL]
64   MITRE-B-AS                                         [BSW]
65   LOGNET-AS                                         [JR15]
66   ETL-AI                                            [MMM3]
67   SDC-PRC-AS                                        [MS22]
68   LANL-INET-AS                                      [JC11]
69   WHARTON-AS                                         [GBR]
70   NLM-GW                                             [JA1]
71   HP-INTERNET-AS                                   [RM142]
72   SPAR-AS                                          [RB217]
73   WASHINGTON-AS                                     [RA17]
74   XDRENET-AS                                        [JR17]
75   ANL-AS                                            [LW26]
76   SDC-CAM-AS                                         [DSR]
77   JHUAPL-AS                                         [SAK3]
78   SSDF-CDC-GW                                       [RE22]
79   DSPO-HC-AS                                         [BT5]
80   GE-CRD                                           [JC106]
81   TUCC-MCNC                                         [JRR14]
82   TWG-DEMO-AS                                       [JS171]
83   PICANET-AS                                        [RFD1]
84   DTNSRDC-AS1                                       [RWT2]
```

```
 85   AERO-NET                                              [LCN]
 86   SURANET-AS                                            [JH92]
 87   INDIANA-AS                                            [BS69]
 88   PRINCETON-AS                                          [LRR1]
 89   NUSC-CSTLNET-AS                                       [MP20]
 90   SUN-AS                                                [WM3]
 91   RPI-AS                                                [MS9]
 92   CLARKSON-AS                                           [ABS6]
 93   FORD-AS                                               [KR9]
 94   BELVOIR-NET                                           [DH30]
 95   NUSCLSB1                                              [RPP]
 96   JTELS-BEN1-AS                                         [RR26]
 97   JVNC-AS                                               [SH37]
 98   ROCKEFELLER-AS                                        [MK38]
 99   INTEL-IWARP                                           [WM10]
100   FMC-CEL                                               [KW2]
101   WASH-NSF-AS                                           [SH47]
102   NSF-HQ-AS                                             [FW17]
103   NWU-AS                                                [EEW6]
104   COLORADO-AS                                           [RAJ8]
105   GSWD-VMS-AS                                           [PEK]
106   ETN-WLV-AS                                            [SMS1]
107   ECSNET-AS                                             [CAL7]
108   XEROX-AS                                              [JNL1]
109   CISCOSYSTEMS                                          [KSL]
110   CCA-AS                                                [AL6]
111   BOSTONU-AS                                            [BS24]
112   CMU-SEI-AS                                            [PDB5]
113   SCCNET-AS                                             [MJ04]
114   SESQUINET-AS                                          [GTA]
115   PBAS-BEN2-GW-AS                                       [RR26]
116   BELLCORE-AS                                           [PK28]
117   ALBM-NET-AS                                           [NB16]
118   NSWSES-NAVY-AS                                        [DD41]
119   AMS-AS                                                [SBW4]
120   MITRE-OMAHA                                           [SM62]
121   IH-POE-AS                                             [LK27]
122   U-PGH-NET-AS                                          [SM6]
123   LOGAIRCOMNET-AS                                       [TEC6]
124   ENCORE-GW-AS                                          [DK70]
125   HI-NET-AS                                             [DB97]
126   MINSY-POE-AS                                          [CV14]
127   JPL-AS                                                [JAW16]
128   ADS-AS                                                [MB26]
129   CDA-AS                                                [FJS3]
130   CSOCNET-AS                                            [JJD12]
131   UCSB-NET-AS                                           [PKH1]
132   WPAFB-CDS-NET-AS                                      [CMC6]
```

```
133   AFIT-AS                                              [PHS1]
134   CORONA-GW-AS                                         [LM35]
135   BRL-CDCNET-GW-AS                                     [GJK1]
136   ECONET-AS                                            [TD40]
137   CNUCE-AS                                             [ABB2]
138   BRL-CMCGW-AS                                         [RR33]
139   NUWESNET-AS                                         [RM125]
140   DAITC-NET-AS                                        [SS125]
141   NWCNNET-AS                                           [EG17]
142   WESTPOINT                                           [RLR23]
143   OOG1-AS                                              [JD86]
144   ATT-INTERNET                                         [HT19]
145   NSFNET-CORE                                           [HWB]
146   HQEIS-AS                                             [SMK2]
147   NAVCAMS-LAN                                         [JM246]
148   NWSC-GW-AS                                           [JA91]
149   ADEL-AS                                             [CM115]
150   SEANET-AS                                            [JH10]
151   IND-NTC-AS                                           [AB98]
152   SRI-ACATT-AS                                          [RDQ]
153   SAAD-ARPA-AS                                        [DRM24]
154   USACEC-NET-AS                                         [DEA]
155   CACNET-AS                                            [BG25]
156   NORTHEASTERN-GW-AS                                   [CJ38]
157   INTELLIAUTON-AS                                      [RJL3]
158   ACC-AS                                               [AB20]
159   SONNET-AS                                            [MF74]
160   U-CHICAGO-AS                                         [MC17]
161   TI-AS                                                [DF71]
162   NOSL-POE-GW-AS                                      [DB211]
163   IBM-RESEARCH-AS                                       [MT1]
164   DDN-MB-AS                                             [RH6]
165   NESEA-DDN-GW-AS                                       [DT59]
166   IDA-AS                                              [MM227]
167   WESLEYAN-AS                                           [JGD1]
168   UMASS-AMHERST                                         [ASG]
169   HANSCOM-NET-AS                                        [DD63]
170   YKTNPOE-GW-AS                                         [WRR5]
171   NORTHWESTNET-AS                                       [GK44]
172-65534   Unassigned                                     [NIC]
65535   Reserved                                           [JBP]
```

DOCUMENTS

[1]   Aerospace, Internal Report, ATM-83(3920-01)-3, 1982.

[2]   Apollo Computer, Inc., "Managing TCP/IP-Based
        Communication Products", Order No. 008543, Chelmsford,
        MA, 01824, March 1986.

[3]   BBN Proposal No. P83-COM-40, "Packet Switched Overlay to
        Tactical Multichannel/Satellite Systems".

[4]   BBN, "Specifications for the Interconnection of a Host and an
        IMP", Report 1822, Bolt Beranek and Newman, Cambridge,
        Massachusetts, revised, December 1981.

[5]   Chon, K., et al., "SDN: A Computer Network for Korean Research
        Community", Proc. of the Pacific Computer Communications
        Symposium, October 1985, pp. 567-570, Seoul, Korea.

[6]   Chon, K., et al., "System Development Network", Proc. of
        TENCON, April 1984, pp. 133-135, Singapore.

[7]   Clark, D., "Revision of DSP Specification", Local Network
        Note 9, Laboratory for Computer Science, MIT, June 1977.

[8]   Cohen, D., "On Holy Wars and a Plea for Peace", IEEE Computer
        Magazine, October 1981.

[9]   Comer, D., and T. Narten, "The Cypress Multifunction Packet
        Switch", Technical Report CSD-TR-575, Computer Science Dept.,
        Purdue University, West LaFayette, IN.

[10]   Croft, W. J., "Unix Networking at Purdue", USENIX Conference,
        1980.

[11]   Deering, S. E., "Host Extensions for IP Multicasting",
        RFC 988, Stanford University, December 1985.

[12]   Feinler, E., editor, "DDN Protocol Handbook", Network
        Information Center, SRI International, December 1985.

[13]   Feinler, E., editor, "Internet Protocol Transition Workbook",
        Network Information Center, SRI International, March 1982.

[14]   Feinler, E. and J. Postel, eds., "ARPANET Protocol Handbook",
        NIC 7104, for the Defense Communications Agency by SRI
        International, Menlo Park, California, Revised January 1978.

[15]   Harris Corporation, "Harris Ethernet Data Link Reference
        Manual", Publication No. 0868010-002, Harris Corporation,
        Computer Systems Divsion, 2101 West Cypress Creek Road,
        Ft. Lauderdale, FL 33309-1892.

[16]   Harris Corporation, "Harris TCP/IP Manager's Guide",
        Publication No. 0868011-100, Harris Corporation,
        Computer Systems Divsion, 2101 West Cypress Creek Road,
        Ft. Lauderdale, FL 33309-1892.

[17]   Honeywell CISL, Internal Document, "AFSDSC Hyperchannel RPQ
        Project Plan".

[18]   Honeywell CISL, Internal Document, "Multics MR11 PFS".

[19]   Hwang, K., W. J. Croft and G. H. Goble, "A Unix-Based Local
        Computer Network with Load Balancing", IEEE Computer,
        April 1982.

[20]   IBM Corporation, "Technical Reference Manual for the IBM PC
        Network", 6322505, IBM, Boca Raton, Florida, 1984.

[21]   IEEE Project 802 Local Area Network Standard, "IEEE Standard
        802.3 CSMA/CD Access Method and Physical Layer
        Specifications", Approved IEEE 802.3-1985 ISO/DIS 8802/3,
        July 1983.

[22]   Korb, J. T., "A Standard for the Transmission of IP Datagrams
        Over Public Data Networks", RFC 877, Purdue University,
        September 1983.

[23]   Leach, et al., "The Architecture of an Integrated Local
        Network", IEEE Journal on Selected Areas in Communications,
        Vol SAC-1, No. 5, November 1983.

[24]   Leffler, Samuel J., et al., "4.2 BSD Network Implementation
        Notes", July, 1983, University of California, Berkeley.

[25]   Macgregor, W., and D. Tappan, "The CRONUS Virtual Local
        Network", RFC 824, Bolt Beranek and Newman, August 1982.

[26]   Mills, D., "Network Time Protocol", RFC 958, M/A-COM Linkabit,
        September 1985.

[27]   Postel, J., ed., "Internet Protocol - DARPA Internet Program
        Protocol Specification", RFC 791, Information Sciences
        Institute, September 1981.

[28]   Prime, "Medusa, The Prime Ethernet", PRIME/WS/AI/86/2,
        July 1986, Framingham, MA.

[29]   Proteon, "Linkway Software: Operating System, Release 7.0",
        SPD 040-013 and "Linkway Software: IP Packet Forwarder",
        SPD 040-016. Proteon, Inc., 4 Tech Circle, Natick, MA 01760.

[30]   Proteon, "P4200 Gateway User's Guide", 42-040-012. Proteon,
        Inc., 4 Tech Circle, Natick, MA 01760.

[31]   Reed, D., "Protocols for the LCS Network", Local Network Note
        3, Laboratory for Computer Science, MIT, November 1976.

[32]   Reynolds, J. and J. Postel, "Official Internet Protocols",
        RFC 1011, Information Sciences Institute, May 1987.

[33]   Rosen, E., "Exterior Gateway Protocol" RFC 827, Bolt Beranek
        and Newman, October 1982.

[34]   Saltzer, J. H., "Design of a Ten-megabit/sec Token Ring
        Network", MIT Laboratory for Computer Science Technical
        Report.

[35]   Seamonson, L. J., and E. C. Rosen, "STUB" Exterior Gateway
        Protocol", RFC 888, BBN Communications Corporation,
        January 1984.

[36]   Shuttleworth, B., "A Documentary of MFENet, a National
        Computer Network", UCRL-52317, Lawrence Livermore Labs,
        Livermore, California, June 1977.

[37]   Skelton, A., S. Holmgren, and D. Wood, "The MITRE Cablenet
        Project", IEN 96, April 1979.

[38]   Sun Microsystems, "Networking on the Sun Workstation",
        Part No: 800-1324-03, Revision B of 17 February 1986.
        Sun Microsystems, Inc., 2550 Garcia Avenue, Mountain
        View, CA 94043.

[39]   "The Ethernet, A Local Area Network: Data Link Layer and
        Physical Layer Specification", AA-K759B-TK, Digital Equipment
        Corporation, Maynard, MA. Also as: "The Ethernet - A Local
        Area Network", Version 1.0, Digital Equipment Corporation,
        Intel Corporation, Xerox Corporation, September 1980. And:
        "The Ethernet, A Local Area Network: Data Link Layer and
        Physical Layer Specifications", Digital, Intel and Xerox,
        November 1982. And: XEROX, "The Ethernet, A Local Area
        Network: Data Link Layer and Physical Layer Specification",

          X3T51/80-50, Xerox Corporation, Stamford, CT., October 1980.

   [40]   The High Level Protocol Group, "A Network Independent File
           Transfer Protocol", INWG Protocol Note 86, December 1977.

   [41]   Whelan, D., "The Caltech Computer Science Department Network",
           5052:D F:82, Caltech Computer Science Department, 1892.

   [42]   XEROX, "Internet Transport Protocols", XSIS 028112, Xerox
           Corporation, Stamford, Connecticut, December 1981.

                                    CONTACTS

HANDLE   NAME   MAILBOX

[AB13]   Brown, Alison   alison@TCGOULD.TN.CORNELL.EDU
[AB20]   Berggreen, Arthur   art@ACC.ARPA
[AB71]   Bleiberg, Abraham   bleiberg@ARGUS.STANFORD.EDU
[AB90]   Ben-Artzi, Amatzia   amatzia@AMADEUS.STANFORD.EDU
[AB98]   Beacham, Albert   hpindda!abeacha@HPLABS.HP.COM
[ABB2]   Bonito, A. Blasco   BLASCO@CNUCE-VM.ARPA
[ABS6]   Stine, Arthur B.   abstine@OMNIGATE.CLARKSON.EDU
[AC42]   Cohen, Adam
[AC66]   Crotty, Art
[AC85]   Cantrall, Arthur   icsadc%asuic.bitnet@CUNYVM.CUNY.EDU
[AD22]   DesJardins, Arlene   Arlene@VLSI.CALTECH.EDU
[AD67]   Davis, Andy   mcvax!cs.hw.ac.uk!andy@UUNET.UU.NET
[AG22]   Ganz, Alfred   ganz-alfred@YALE.EDU
[AG61]   Goodarzi, Afshin
[AG67]   Garg, Atul
[AGS5]   Smith, Arnold G.   AGSMITH@WARBUCKS.AI.SRI.COM
[AHA]   Anderson, Allan H.   anderson@LL-VLSI.ARPA
[AJC11]   Cole, Andrew J.   AJCOLE%AI.LEEDS.AC.UK@NSS.CS.UCL.AC.UK
[AK36]   Kondo, Akio   akondo%asevx1%slb-doll.csnet@RELAY.CS.NET
[AKC]   Cheng, Albert K.   acheng@A.CS.UIUC.EDU
[AKG2]   Gupta, Ajay K.   ajay%odu.edu@RELAY.CS.NET
[AKH5]   Hartwig, Arthur K.
[AL6]   Layton, Alexis   alex@CCA.CCA.COM
[AL46]   Linton, Andy   Andy_Linton%ncl.ac.uk@NSS.CS.UCL.AC.UK
[ALG4]   Grijalva, Alma   alma@ARIZRVAX.CCIT.ARIZONA.EDU
[AM54]   MacPherson, Andrew
                                mcvax!tcom.stc.co.uk!andrew@seismo.CSS.GOV
[AM92]   Mott, Arch   froyen#sverre%e.mfenet@NMFECC.ARPA
[AMM14]   Monteiro, Antonio M.
                                MONTEIRO%POLYGRAF.BITNET@CUNYVM.CUNY.EDU
[AMS1]   Schiffman, Allan M.   Schiffman@KL.SRI.COM
[AP]   Parker, R. Alan   parker@NRL-CSS.ARPA
[AP25]   Partan, Andrew   hadron!cos!asp@seismo.CSS.GOV
[AP57]   Palmer, Anthony   tony%umnmor.bitnet@CUNYVM.CUNY.EDU
[AR41]   Renard, Annie   fr-zone-contact@INRIA.INRIA.FR
[AR60]   Robbins, Arnold   arnold@EMORYU1.ARPA
[ARM5]   Maffei, Andrew R.   mit-erl!aqua!arm@EDDIE.MIT.EDU
[ARS3]   Silverman, Alan R.
[AS62]   Steiner, Albert   AJS001%NUACC.BITNET@CUNYVM.CUNY.EDU
[AS90]   Schoener, Anthony
[AS116]   Schindler, Albert
                                SHINDLER%CGEUGE51.BITNET@CUNYVM.CUNY.EDU
[AGG]   Gaylord, Arthur S.   ART@UMASS-GW.CS.UMASS.EDU
[AW48]   Wilcox, Andy   ajw%ufl.csnet@RELAY.CS.NET

```
[AW56]          Asher Waldfogel
[AW65]          Whiteman, Alan
[AY5]           Yasuda, Akiharu         DIA@PAXRV-NES.ARPA
[AY10]          Yamamura, Alan          alany@SUNOPTICS.CALTECH.EDU
[AY11]          Yeh, Arthur             C0298%univscvm.bitnet@CUNYVM.CUNY.EDU
[AZ]            Zadeh, Ansari           ansariza%tsuunix.uucp@RICE.EDU
[BA26]          Ayres, Bill             ayres%orstate.bitnet@CUNYVM.CUNY.EDU
[BA41]          Armstrong, Borden       BArmstro%carleton.edu@RELAY.CS.NET
[BAB7]          Burke, Barry A.         barry%adelie@HARVARD.HARVARD.EDU
[BAT4]          Tolliffe, Brin A.       TOLLIFFE@WESTPOINT.ARPA
[BAV]           Verser, Brick A.        BAV%KSUVM.BITNET@CUNYVM.CUNY.EDU
[BAW9]          Wilford, Bruce A.       bruce@NSS.CS.UCL.AC.UK
[BB64]          Boyter, Brian           boyter@NGP.UTEXAS.EDU
[BC14]          Cattani, Robert         CATTANI@COLUMBIA.EDU
[BC32]          Cunningham, Bob         cunninghamr%haw.sdscnet@NMFECC.ARPA
[BC65]          Chiarchiaro, Bill       wjc@XN.LL.MIT.EDU
[BC72]          Carrihill, Brian        carrhill@NYU.ARPA
[BCH2]          Howard, Barry C.        HOWARD@NMFECC.ARPA
[BD55]          Down, Brian             bdown%uturing%toronto.csnet@RELAY.CS.NET
[BD56]          Daniels, Bob            masscomp!bob@EDDIE.MIT.EDU
[BE6]           Esposito, Bob           espo@BPA.BELL-ATL.COM
[BE10]          Eriksen, Bjorn          ber@ENEA.SE
[BEC1]          Chi, Benjamin E.        sysiln%albnylvx.bitnet@CUNYVM.CUNY.EDU
[BEC5]          Colley, Ben E.          TPMAINT%UMVMB.BITNET@CUNYVM.CUNY.EDU
[BG23]          Greasley, Bud           bud@SQ.SQ.COM
[BG25]          Gorman, Bryan           GORMAN@BRAGGVAX.ARPA
[BH80]          Haanstra, Bruce
[BH103]         Housley, Brian          housley@cageir5a.bitnet
[BIM]           Margulies, Benson I.    KSR!BENSON@HARVARD.HARVARD.EDU
[BJN1]          Nemnich, Bruce          bruce@THINK.COM
[BJR2]          Russell, Bill J.        RUSSELL@NYU.ARPA
[BK46]          Kummerfeld, Bob         unnari!basser.cs.su.oz!bob@UUNET.UU.NET
[BL31]          Lemley, Bob             lemleyr%baylor.bitnet@CUNYVM.CUNY.EDU
[BLI]           Irwin, Basil L.         irwin%ncar@RELAY.CS.NET
[BM68]          Murray, Burton
[BM79]          Michie, Bob             bob@NJITSC1.NJIT.EDU
[BM106]         Mulligan, Brian         brian%sphinx.co.uk@EDDIE.MIT.EDU
[BML2]          Liblong, Breen M.       liblong@GAEA.WEST.SYMBOLICS.COM
[BMS2]          Segal, Ben M.
[BMW7]          Wilber, B. Michael      wilber@SCORE.STANFORD.EDU
[BN4]           Nowicki, Bill           nowicki@SUN.COM
[BN9]           Nesheim, Bill           nesheim@THINK.COM
[BO5]           Ogilvy-Morris, Bruce    bom%rsre.mod.uk@RELAY.MOD.UK
[BP51]          Page, Bob               PAGE@ULOWELL.EDU
[BP52]          Parker, Brad            cayman!cayman!brad@HARVARD.HARVARD.EDU
[BP57]          Payne, Bob              bpayne@NRAO.ARPA
[BPW1]          Wright, Bradley P.      AFDDN.WRIGHT@GUNTER-ADAM.ARPA
[BRB8]          Bangaru, Babu R.
```

```
[BS24]        Shein, Barry              BZS@BU-CS.BU.EDU
[BS69]        Sweeny, Brent R.          SWEENY@GOLD.BACS.INDIANA.EDU
[BSW]         Seeber-Wagner, Barbara    bnsw@MITRE-BEDFORD.ARPA
[BT4]         Teel, Bill
[BT5]         Tomlinson, Bob            tomlin@HC.DSPO.GOV
[BTK1]        Koch, Bryan T.            btk%hall.cray.com@UC.MSC.UMN.EDU
[BWA]         Allen, Bobby W.           allen@YUMA.ARPA
[CAD13]       DeFranco, Carl A., Jr.    defranco@RADC-TOPS20.ARPA
[CAK]         Kent, Christopher A.      kent@DECWRL.DEC.COM
[CAL7]        Leach, Charles A.         CAL@OKC-UNIX.ARPA
[CAS]         Sunshine, Carl A.         sunshine@JOVE.CAM.UNISYS.COM
[CAS1]        Steffey, Claude A.        csteffey@WSMR05.ARPA
[CBD]         Dawson, Clive B.          Clive@MCC.COM
[CBR2]        Ray, Charles B.
[CC89]        Chaundy, Chris
                              munnari!ucsvc.dn.mu.oz!chris@seismo.CSS.GOV
[CC99]        Catlett, Charlie          catlett@NCSA.NCSA.UIUC.EDU
[CC108]       Clanton, Charles
[CC129]       Cline, Carol
                              s5000!kline%mscunx.sp.unisys.com@RELAY.CS.NET
[CD75]        Dowat, Cary               dowat%fnal.hepnet@LBL.GOV
[CD83]        Dimmers, Claudia          postmaster@PYRAMID.COM
[CDB4]        Barnes, Carol D.          T45@A.ISI.EDU
[CF4]         Frost, Cliff
                              cliff%UCBCMSA.Berkeley.EDU@JADE.Berkeley.EDU
[CF35]        Fung, Charles             cxf@SUNSPOT.RIT.EDU
[CF57]        Fernandez, Carlos         Fernandez@AFWL-VAX.ARPA
[CFB1]        Brandt, Carl F.           carl%lsumvs.bitnet@CUNYVM.CUNY.EDU
[CFD4]        Dunn, Charles F.          CHUCK@UBVM.CC.BUFFALO.EDU
[CG1]         George, Calvin            GEORGE@EGLIN-VAX.ARPA
[CG24]        Generous, Curtis          GENEROUS@DAITC.ARPA
[CH2]         Hornig, Charles           CAH@MC.LCS.MIT.EDU
[CJ38]        Johnson, Chris         johnson%northeastern.edu@RELAY.CS.NET
[CJB1]        Bamford, Cliff J.         opticom@APPLE.COM
[CJB15]       Bedore, Clifford J.,      isavax!cliffb@UMD5.UMD.EDU
[CJL2]        Lydick, Carl J.           carl@CITHEX.CALTECH.EDU
[CJW2]        Weinstein, Clifford J.    cjw@LL-SST.ARPA
[CL64]        Lynch, Clifford        ucdla%ucbtopaz.cc@UCBARPA.Berkeley.EDU
[CL80]        Leser, C.
                        leser%comvax.rus.uni-stuttgart.dbp.de@RELAY.CS.NET
[CLH3]        Hedrick, Charles L.       HEDRICK@ARAMIS.RUTGERS.EDU
[CM115]       McDonald, Catherine       ddnmgr@ADEL01.ARPA
[CM116]       Moret, Christophe      sysgeg%frpoly11.bitnet@CUNYVM.CUNY.EDU
[CM130]       Maeckel, Clay             claris!clay@AMES.ARC.NASA.GOV
[CMC6]        Chow, Chai M.             chowcm@WPAFB-AMS1.ARPA
[CMR]         Rogers, Craig Milo        ROGERS@VENERA.ISI.EDU
[CO16]        Olson, Chris
[CP10]        Partridge, Craig          craig@BBN.COM
```

```
[CR24]         Rokitansky, Carl          ROKI@A.ISI.EDU
[CR83]         Reynolds, Christine       quirk@HUBCAP.CLEMSON.EDU
[CRT4]         Tettemer, Clair R., Jr.
[CS124]        Stork, Christof           clay@DIX.CALTECH.EDU
[CS136]        Stokely, Celeste          cstokely@COHERENT.COM
[CS2]          Seitz, Charles            CHUCK@VLSI.CALTECH.EDU
[CSTACY]       Stacy, Christopher C.      CStacy@AI.AI.MIT.EDU
[CV14]         Verboom, Charles
[CWH3]         Hunt, Craig W.            CRAIG@CAM-VAX.ARPA
[CWR4]         Reece, Carole Warner
[CYH]          Huang, Chien Y.     6026959%PUCC.BITNET@CUNYVM.CUNY.EDU
[DAF9]         Futcher, Debbie  A.        DFUTCHE@NSWC-OAS.ARPA
[DAM22]        Morgan, Deborah A.         deb%siemens@PRINCETON.EDU
[DAT4]         Thomae, Doug A.
[DAVE]         Roode, R. David           Roode%orc.uucp@UNIX.SRI.COM
[DB14]         Borman, Dave              dab@UMN-REI-UC.ARPA
[DB28]         Bullard, Dave       dave%clemson.bitnet@CUNYVM.CUNY.EDU
[DB35]         Branis, Danny             danny%israel.csnet@RELAY.CS.NET
[DB97]         Bergum, Dave              bergum@HI-MULTICS.ARPA
[DB150]        Bloom, David              andromeda!bloom@TOPAZ.RUTGERS.EDU
[DB162]        Black, David
[DB186]        Brooks, Doug              brooks@OSIRIS.CSO.UIUC.EDU
[DB211]        Boss, Don
[DBJ4]         Johnson, David B.         drilltech!dbj@RICE.EDU
[DBL1]         Long, Daniel B.           long@SH.CS.NET
[DC99]         Chan, David               chan@BEK-MC.CALTECH.EDU
[DC115]        Comay, David S.           dsc@seismo.CSS.GOV
[DC126]        Cogger, Dick        rhx%cornellc.bitnet@CUNYVM.CUNY.EDU
[DC159]        Clar, Daniel       CLAR%FRESE51.BITNET@CUNYVM.CUNY.EDU
[DCMW]         Wood, David CM            DCMWOOD@COLO.COLORADO.EDU
[DCW9]         Wells, Donald C.          dwells@NRAO.ARPA
[DD11]         Deal, Don                 don@PYR.GATECH.EDU
[DD41]         DeGrossa, Dan             NSC-Huen@DDN2.ARPA
[DD47]         Donaldson, Diane          ANDIE@CVL.UMD.EDU
[DD63]         Dorosz, Dave              dorosz@ESDVAX.ARPA
[DD112]        Deeth, Dave
[DDC1]         Clark, David D.           ddc@LCS.MIT.EDU
[DDK1]         Knight, Donald D.         CC-SI@EDWARDS-2060.ARPA
[DE6]          Estrin, Deborah           Estrin@OBERON.USC.EDU
[DEA]          Anselmi, David E.         USASCEC@SIMTEL20.ARPA
[DET]          Towson, David E.          TOWSON@AMSAA.ARPA
[DF71]         Fordyce, David            fordyce@MIPS.CSC.TI.COM
[DFH2]         Hocking, Dan              DHOCKING@ADA20.ISI.EDU
[DG28]         Gorham, Delores           dgorham@APG-1.ARPA
[DGH13]        Hirsh, Donald G.     wucs1!wucs2!don@seismo.CSS.GOV
[DGL4]         Loudon, Dennis G.
[DGM18]        McCreary, Daniel G.       dan@ETA.ETA.COM
[DGT6]         Taylor, David G.          taylor@RAND-UNIX.ARPA
```

```
[DH17]      Hirsch, Doug              DHIRSCH@CCS.BBN.COM
[DH23]      Hayes, David S.          AI01@HIOS-PENT.ARPA
[DH30]      Hayes, Doc               NS-DDN@DDN2.ARPA
[DH161]     Houge, Diana
[DID1]      Dalva, David I.          DID@TIS.ARPA
[DIM2]      Meiron, Daniel I.        Meiron@DIPOLE.CALTECH.EDU
[DJF]       Farber, David J.         farber@CIS.UPENN.EDU
[DJG2]      Grim, Daniel J.          grim@HUEY.UDEL.EDU
[DJV1]      Van Buer, Darrel J.      VANBUER@ECLA.USC.EDU
[DK2]       Krafft, Dean B.          dean@GVAX.CS.CORNELL.EDU
[DK5]       Kirby, Diana
[DK66]      Konkin, Doug
                            doug%noah.arc.cdn%ubc.csnet@RELAY.CS.NET
[DK70]      Kirschen, Dave           kirschen@MULTIMAX.ARPA
[DLM1]      Mills, Dave              MILLS@HUEY.UDEL.EDU
[DLM34]     Merrifield, David L.
[DM27]      McCallum, Doug           mccallum@ICO.ISC.COM
[DM69]      Marquardt, David R.      rosevax!dave@UUNET.UU.NET
[DM147]     Morales, Dan
[DM157]     Michael, Dennis          dennis%ucrmath.UUCP@UCSD.EDU
[DMK18]     Keirsey, David M.        Keirsey@ECLA.USC.EDU
[DN22]      Novotny, David           C50DANO@HARC.EDU
[DN32]      Nordlund, Dave    NORDLUND%UKANVM.BITNET@CUNYVM.CUNY.EDU
[DO26]      O'Reilly, Dennis
[DO27]      Oliver, David            ansa%alvey.uk@CS.UCL.AC.UK
[DP71]      Palus, David
[DP91]      Pennell, David
[DR49]      Reynolds, Dick           hcx1!dick@UUNET.UU.NET
[DR71]      Rettig, Duane
[DR137]     Rageth, David            rageth@SPOT.COLORADO.EDU
[DRM24]     Meadows, Donald R.       doim-nm@SAAD.ARPA
[DRS4]      Smith, Dennis R.         smith@ECLC.USC.EDU
[DS59]      Schmidt, David           davids@ISCUVA.ISCS.COM
[DS85]      Smith, Dale C.           dsmith@OREGON.UOREGON.EDU
[DS229]     Sabino, David            sundc!sneezy!sabino@SUN.COM
[DSP11]     St. Pierre, David        david@PACBELL.COM
[DSR]       Russell, Dale            dsr@JOVE.CAM.UNISYS.COM
[DT50]      Trinkle, Daniel          trinkle@CS.PURDUE.EDU
[DT59]      Tetreault, David         DJT@NAVELEXNET-STIN.ARPA
[DTH]       Hsu, David T.            hsu@ENEEVAX.UMD.EDU
[DW15]      Williams, Doug           WILLIAMSD@A.ISI.EDU
[DW93]      Watson, David            david@DANDELION.CI.COM
[DW96]      Walker, David    dhwalker%ucivmsa.bitnet@CUNYVM.CUNY.EDU
[DW139]     Woerz, Dieter            unido!bossix!woerz@UUNET.UU.NET
[EC5]       Cain, Edward A.          Cain@EDN-UNIX.ARPA
[ECM6]      Mulrean, Edward C.
                            MULREAN%CUA.BITNET@CUNYVM.CUNY.EDU
[ED38]      DeHart, Ed               DEHART@TL-20B.ARPA
```

```
[EEW6]      Woodward, Ernest E.        ernie@NORTHWESTERN.ARPA
[EF5]       Franceschini, E.          FRANCESCHINI@NYU.ARPA
[EG17]      Guglielmo, Eugene         EJG@NWC.ARPA
[EHH4]      Hunter, Eddie H.
[EJ12]      Jorgensen, Ed             jorg%lvva.span@SDS.SDSC.EDU
[EJ19]      James, Ed                 edjames@SHADOW.Berkeley.EDU
[EJN1]      Norman, Eric J.           ejnorman@UNIX2.MACC.WISC.EDU
[EK18]      King, Edwin               King@SRI-LEWIS.ARPA
[EM67]      Rehm, Eric                REHM@COGITO.DEC.COM
[EM75]      Madden, Edward
[EPA]       Allman, Eric P.          eric@UCBVAX.Berkeley.EDU
[ER42]      Rose, Eric
[ERC1]      Crane, Eric R.           Eric.Crane@C.CS.CMU.EDU
[ERK3]      Kozel, Edward R.         Kozel@SPAM.ISTC.SRI.COM
[EY5]       Yamin, Elaine
[EZ3]       Zawacki, Edward    u17375%uicvm.bitnet@CUNYVM.CUNY.EDU
[FAS]       Segovich, Fred A.        fred@XENURUS.GOULD.COM
[FCH]       Holtry, Franklin C.
[FD18]      de Kruijf, F.          FREEK%DUTRUN.UUCP@seismo.CSS.GOV
[FE6]       Ellis, Frank             ellis@PVAMU.EDU
[FH35]      Haag, F.
[FJB3]      Ball, Frederick J.       ball@FORD-VAX.ARPA
[FJH1]      Halloran, Frank J.       AMSEL-RD-COM-I@CECOM-1.ARPA
[FJK2]      Kastenholz, Frank J.     Kodinsky@MIT-MULTICS.ARPA
[FJS3]      Schmidt, F. Jeffery      JSCHMIDT%CDA@AMC-HQ.ARPA
[FMA1]      Avolio, Frederick M.     avolio@DECUAC.DEC.COM
[FU1]       Ullings, Fons            fons@NAT.VU.NL
[FW17]      Wendling, Frederic       FWENDLING@NOTE.NSF.GOV
[FWD]       Dyner, Wolfgang J.       DYNERW@HEIDELBERG-EMH.ARPA
[GAA]       Adams, Glenn A., Jr.     glenn@XN.LL.MIT.EDU
[GAL5]      Loyola, Guillermo A.     loyola%ibm-sj@RELAY.CS.NET
[GAM27]     Mohr, Gregory A.         wucs1!onemohr!mrh@UUNET.UU.NET
[GB7]       Beling, Gerd             GBELING@A.ISI.EDU
[GB43]      Broomell, George        UKT101%UKCC.BITNET@CUNYVM.CUNY.EDU
[GB95]      Bauerschmidt, Gary       gbauers@ARIEL.UNM.EDU
[GB125]     Brunkhorst, Geoffrey     gbb@FERMAT.MAY.EDU
[GBR]       Reilly, G. Brendan       REILLY@WHARTON.UPENN.EDU
[GC]        Campbell, Graham         gc@BNL.ARPA
[GC89]      Crawford, Geoff
[GEOFF]     Mulligan, Geoffrey C.    GEOFF@USAFA.ARPA
[GG11]      Goble, George            GHG@EE.ECN.PURDUE.EDU
[GG43]      Gagnon, Gary             ggagnon@CSC-LONS.ARPA
[GG68]      Guillerm, Gerard    sysdomi%frpoly11.bitnet@CUNYVM.CUNY.EDU
[GGB2]      Baehr, G. Geoffrey       geoffb@TRWIND.TRW.COM
[GH29]      Hidley, Gregory R.       hidley@SDCSVAX.UCSD.EDU
[GIH]       Hastie, Glenn I., II     hastie@SPAM.ISTC.SRI.COM
[GJK1]      Klem, George J.          KLEM@BRL.ARPA
[GK44]      Kunis, Gary
```

```
[GKN1]      Newman, Gerard            GKN@SDS.SDSC.EDU
[GL41]      Lindberg, Gunnar          lindberg@CS.CHALMERS.SE
[GLD]       Durant, Geraldine L.      DURANT@LL.ARPA
[GLH5]      Hemphill, Gavin L.        HEMPHILL@DREA-XX.ARPA
[GM34]      Miyata, Gaylord           MIYATA%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU
[GMQ]       Quinn, George M.          quinn%ceramics.bitnet@CUNYVM.CUNY.EDU
[GMT6]      Trimble, Gary M.          lams!gmt@AMES.ARC.NASA.GOV
[GP11]      LeClair, Gene P.          GENE@OPTIMIS-PENT.ARPA
[GP56]      Petschl, Gottfried
[GR11]      Ricart, Glenn             glenn@MIMSY.UMD.EDU
[GR26]      Richter, Georg            urz07%dmswwulc.bitnet@CUNYVM.CUNY.EDU
[GS91]      Streeter, Guy             ingr!streeter@UUNET.UU.NET
[GS119]     Smith, Gordon             gordon@UNE.OZ.AU
[GS123]     Stone, Geof
[GTA]       Almes, Guy T.             Almes@RICE.EDU
[GW22]      Weiler, Grant             weiler@CS.UTAH.EDU
[GW40]      Wallace, Gary             gary%umass.csnet@RELAY.CS.NET
[GW49]      Ward, George
[HB60]      Boetzkes, H. A. P. A.     mcvax!nlgvax!henkbo@UUNET.UU.NET
[HC2]       Cho, Haesoon              hscho%kaist.csnet@RELAY.CS.NET
[HC24]      Chen, Ho
[HDW2]      Wactlar, Howard D.        HOWARD.WACTLAR@A.CS.CMU.EDU
[HG20]      Geist, Harald             unido!nixpbe!geist@UUNET.UU.NET
[HGH1]      Heard, Harry G.           HEARD@AMES-VMSB.ARPA
[HH37]      Hesseling, Hans           HESSELING@HGRRUG5.BITNET
[HH45]      Hori, Hidehiko
[HK24]      Knight, Holly             myrtle!holly@TSCA.ISTC.SRI.COM
[HKG2]      Gilbert, Howard K.        gilbert%YALEVM.BITNET@MITVMA.MIT.EDU
[HKO]       Orman, Hilarie K.         HO@TIS-W.ARPA
[HLW7]      Lorenz-Wirzba, Heidi      heidi@ELXBSD.CALTECH.EDU
[HM38]      Mikami, Hirohide          mikami%ntt-20@SUMEX-AIM.STANFORD.EDU
[HML1]      Long, Morrow H.           LONG-MORROW@CS.YALE.EDU
[HN3]       Naef, Heinz               mcvax!cgcha!whna@seismo.CSS.GOV
[HP32]      Price, Harold
[HT12]      Tam, Henry                rmay%cornelld.bitnet@JADE.Berkeley.EDU
[HT19]      Trickey, Howard           trickey@ATT.ARPA
[HVS1]      van Staveren, Hans        mcvax!cs.vu.nl!sater@UUNET.UU.NET
[HWB]       Braun, Hans-Werner        HWB@MCR.UMICH.EDU
[HWP2]      Poor, Henry W. (Hank)     poor@RSMAS.MIAMI.EDU
[IHM]       Merritt, Ian H.           nrcvax!ihm@TRWIND.TRW.COM
[IMK1]      Kirmer, Irwin M.          kirmer%unmb.bitnet@CUNYVM.CUNY.EDU
[IRN]       Nassi, Isaac R.           NASSI@MULTIMAX.ARPA
[IW5]       Winston, Ira              ira@CIS.UPENN.EDU
[JA]        Akkerhuis, Jaap           jaap@MOUTON.ARPA
[JA1]       Aronson, Jules P.         ARONSON@MCS.NLM.NIH.GOV
[JA91]      Angotti, Joseph J.
[JAG3]      Gumpf, Jeffrey A.         Gumpf@CWRU.CWRU.EDU
[JAJ17]     Jokl, James A.            jaj@UVAARPA.VIRGINIA.EDU
```

```
[JAW16]      Wieclawek, Joseph A.      jaw@SESUN.JPL.NASA.GOV
[JAW34]      Wabik, Jeff A.            shamash!jwabik@UUNET.UU.NET
[JB113]      Bennett, Jerome           bennett@DFTNIC.GSFC.NASA.GOV
[JB188]      Burger, Josef             bolo@SPOOL.WISC.EDU
[JB218]      Blondeau, Jim             jbb%tektools.tek.csnet@RELAY.CS.NET
[JB230]      Bottenberg, Jaap          mcvax!nlgvax!jaapb@UUNET.UU.NET
[JB254]      Blows, Jeff               jeff@SMOKEY.OZ
[JBP]        Postel, Jon               POSTEL@VENERA.ISI.EDU
[JBV2]       VanBokkelen, James B.     jbvb@VAX.FTP.COM
[JBW1]       Walters, Joseph B., Jr.   JWALTERS@CCX.BBN.COM
[JC11]       Clifford, James R.        jrc@LANL.GOV
[JC106]      Conklin, Joel             CONKLIN@GE-CRD.ARPA
[JC235]      Crowhurst, Jon            crowhurst@ADMIN.OGC.EDU
[JC272]      Cowan, Jack
[JC288]      Cottrell, Jim             jim%easby.dur.ac.uk@NSS.CS.UCL.AC.UK
[JCB42]      Bergeron, Jay C.
[JCH17]      Honig, Jeffrey C.         jch@DEVVAX.TN.CORNELL.EDU
[JCW12]      Woodard, James C.
[JD27]       Doyle, John               doyle@CSVAX.CALTECH.EDU
[JD86]       Duran, Jose               NSC-HILL@DDN2.ARPA
[JDC20]      Case, Jeffrey D.          case@UTKUX1.UTK.EDU
[JDG]        Guyton, James D.          guyton@RAND-UNIX.ARPA
[JEB50]      Bradt, James E.           bradt@GE-CRD.ARPA
[JEE4]       Ellison, Jan E.           JELLISON@GTEWIS.ARPA
[JF77]       Fallon, Jim               JFALLON@MACOMW.ARPA
[JF78]       Finke, John               JFINKE@ITSGW.RPI.EDU
[JFAS]       Schillemans, Joop F.A.
                                       RCJOOP%HEITHE5.BITNET@CUNYVM.CUNY.EDU
[JFC6]       Chambon, J. Francois
[JFD9]       Detke, John F.
[JFS22]      Scheimer, James F.        jfs@IRIS.CSS.GOV
[JGD1]       Deck, Joseph G.
                    JGD%WCC.WESLYN%WESLEYAN.BITNET@CUNYVM.CUNY.EDU
[JH10]       Hargrove, Jimmy           jimmy@SEAHUB.ARPA
[JH18]       Huens, Jean               prlb2!kulcs!jean@seismo.CSS.GOV
[JH22]       Hook, James               jgh@SVAX.CS.CORNELL.EDU
[JH92]       Hahn, Jack                hahn%umdc.bitnet@CUNYVM.CUNY.EDU
[JH141]      Heinanen, Juha
                          fi-technical-contact%tut.uucp@seismo.CSS.GOV
[JH155]      Hayward, Jeff             ucc1@UHVAX1.UH.EDU
[JHH8]       Haynes, James H.          ucscc!haynes@UCBVAX.Berkeley.EDU
[JJ48]       Jongeward, Jeffrey
                          ssc-vax!root@BEAVER.CS.WASHINGTON.EDU
[JJD12]      Diehl, Jeff J.            hq-spcd-xqr@AFCC-OA2.ARPA
[JK7]        Koda, Jim                 KODA@VENERA.ISI.EDU
[JK151]      Kim, June                 june%sorak.kaist.ac.kr@RELAY.CS.NET
[JKR1]       Reynolds, Joyce K.        JKREYNOLDS@VENERA.ISI.EDU
[JL15]       Lepreau, Jay              LEPREAU@CS.UTAH.EDU
```

```
[JL52]      Lekashman, John           lekash@ORVILLE.NAS.NASA.GOV
[JL115]     Little, John              portal!jel@SUN.COM
[JL152]     Lange, John
                    hplabs!sun!texsun!radian!altair!johnl@RUTGERS.EDU
[JLM23]     Mills, John L.            LIAISON@BCO-MULTICS.ARPA
[JLS45]     Sloan, John L.            jsloan%wright.csnet@RELAY.CS.NET
[JM60]      McCollum, Jim             MCCOLLUM@TOPS20.DEC.COM
[JM184]     Macelli, Joseph           joem%suny-sb.csnet@RELAY.CS.NET
[JM246]     Moretz, Joseph            rogers@NEMS.ARPA
[JM278]     Mazumdar, Jin
[JM292]     Murai, Jun               jun%JAPAN.CSNET@RELAY.CS.NET
[JM303]     Moorfoot, John           jgm%charlie.oz@seismo.CSS.GOV
[JM304]     McClurg, Jim
[JMA16]     Adams, James M., III     ADAMS@MACOMW.ARPA
[JMH10]     Hayes, Jordan Michael    jordan@ADS.COM
[JMR]       Rushby, John M.          Rushby@CSL.SRI.COM
[JMRM]      Matheson, James M.R.
            jmrm%digsys.engineering.cambridge.ac.uk@NSS.CS.UCL.AC.UK
[JN40]      Noble, John
[JN47]      Nerbovig, Jerry
[JNL1]      Larson, John N.          JLarson.PA@XEROX.COM
[JO54]      O'Connor, John
[JOG]       Gartley, John O.         gartley%atc.alcoa.com@RELAY.CS.NET
[JOO]       Ostlund, James O.        ostlund@SALK-ADM.SDSC.EDU
[JP147]     Petragnani, Joseph     petragna%sjuvax.sju.edu@RELAY.CS.NET
[JPB17]     Bossert, John
                    uw-beaver!uw-entropy!thebes!bossert@RUTGERS.EDU
[JPC17]     Chion, J.P.
[JPO4]      O'Brien, John P.
                    cvax!ucf-cs!novavax!john@UCBVAX.Berkeley.EDU
[JPS17]     Stoneback, John P.      allegra!mc70!stonebac@seismo.CSS.GOV
[JPS21]     Sorensen, Jan P.        RKUJPS%NEUVM1.BITNET@CUNYVM.CUNY.EDU
[JPW11]     Wies, J.P.
[JR15]      Rhodes, John E.          jrhodes@LOGNET2.ARPA
[JR17]      Robinson, John          ROBINSON@DMC-CRC.ARPA
[JRM1]      Miller, James R.          jmiller@NOSC.MIL
[JRR14]     Ragland, Joe R.           TUCJRR@TUCC.TUCC.EDU
[JRS8]      Schwab, Jeffrey R.        jrs@ECN.PURDUE.EDU
[JRS48]     Shaeffer, James R.     ASC02%AUDUCVAX.BITNET@CUNYVM.CUNY.EDU
[JS28]      Shriver, John A.          jas@PROTEON.COM
[JS38]      Sventek, Joseph S.        JSSventek@LBL.ARPA
[JS81]      Smith, Jeff               aat@J.CC.PURDUE.EDU
[JS167]     Shprentz, Joel            shprentz@BDM.COM
[JS171]     Scott, Jerry              JERRY@TWG.ARPA
[JS210]     Stearns, Jeff             fluke!jeff@SUN.COM
[JS268]     Simonetti, J.
[JS281]     Shultis, Jonathan         daf@ZOG.CS.CMU.EDU
[JS283]     Schwartz, Jack            JSCHWARTZ@A.ISI.EDU
```

```
[JS338]     Sherwood, John       SHERWOOD%DALAC.BITNET@CUNYVM.CUNY.EDU
[JSG5]      Goodridge, Jon S.        JSG@CCM.BBN.COM
[JSL9]      Lowe, James S.           james@CSD4.MILW.WISC.EDU
[JSM11]     Miller, James S.         jmiller%brandeis.csnet@RELAY.CS.NET
[JSOL]      Solomon, Jon             JSOL@EDDIE.MIT.EDU
[JSQ1]      Quarterman, John S.      jsq@SALLY.UTEXAS.EDU
[JSS4]      Sabnis, Jayant S.        sabnix%nrl.decnet@NRL.ARPA
[JSY2]      Yaplee, Jeffrey S.
[JT122]     Thomassen, Jens          Jens@IFI.UIO.NO
[JTE2]      Ellis, James T.          PSN-ADMIN@MORGUL.PSC.EDU
[JTN]       Nelson, John T.          jtn@POTOMAC.ADS.COM
[JV41]      Voigt, John          sysbjav%tcsvm.bitnet@CUNYVM.CUNY.EDU
[JV53]      Vinh, Josianne   mcvax!margaux.inria.fr!vinh@UUNET.UU.NET
[JVE2]      Eijndhoven, Jos van
[JW47]      Wobus, John              JMWOBUS@SUVM.ACS.SYR.EDU
[JW136]     White, James D.          jdw@UOKUCS.UOKNOR.EDU
[JW156]     Wray, John               JCW2%rsre@CS.UCL.AC.UK
[JW181]     Washer, James W.         washer@LLL-CRG.LLNL.GOV
[JW196]     Williams, John
[JY11]      Yancone, Joe             yancone@CRDEC.ARPA
[KA4]       Auerbach, Karl           auerbach@CSL.SRI.COM
[KB60]      Braun, Karl
[KBC]       Casey, Kevin B.      kbcasey%gallub.bitnet@CUNYVM.CUNY.EDU
[KC8]       Chen, Ken                PERCEPT@A.ISI.EDU
[KCM2]      McDonald, Kelly C.   KCM%BYUADMIN.BITNET@CUNYVM.CUNY.EDU
[KDM5]      Miller, Keith D.
[KDM6]      Mayer-Spohn, Klaus D.
                            ZRAM%DS0RUS1I.BITNET@CUNYVM.CUNY.EDU
[KDZ]       Zeilenga, Kurt D.        zeilenga@HC.DSPO.GOV
[KFS]       Sauer, Kurt F.           ks@SVO.DECISION.COM
[KG35]      Gilmore, Kirk            gilmore@GALILEO.AS.ARIZONA.EDU
[KH74]      Han, Kisoo       kshan%etrivax.etri.re.kr@RELAY.CS.NET
[KHJ]       Jobes, Karen H.      jobes%iassns.bitnet@CUNYVM.CUNY.EDU
[KL31]      Lamb, Kathleen           klamb%csm9a@COLO.COLORADO.EDU
[KM79]      Moran, Kathy
[KMC3]      Crepea, Kenneth M.       CREPEA@SPAM.ISTC.SRI.COM
[KMH8]      Hays, Kenneth M.         hays%fsu.mfenet@NMFECC.ARPA
[KO11]      O'Keefe, Kevin           HAZELTINE@A.ISI.EDU
[KR9]       Rohan, Kevin             JJKKRR@FORD-COS1.ARPA
[KRM5]      Magill, K. Richard       oxtrap!rich@UUNET.UU.NET
[KS62]      Simpson, Kathy
[KSL]       Lougheed, Kirk S.        LOUGHEED@KL.SRI.COM
[KTP]       Pogran, Kenneth          POGRAN@CCQ.BBN.COM
[KW2]       Wescourt, Keith T.       WESCOURT@CEL.FMC.COM
[LA55]      Allison, Larry
[LAB5]      Butler, Lee A.           butler@BRL.ARPA
[LAM1]      Mamakos, Louis A.        louie@TRANTOR.UMD.EDU
[LB16]      Bukys, Liudvikas         bukys@CS.ROCHESTER.EDU
```

```
[LB110]      Binding, Lothar         $45%dhdurz1.bitnet@CUNYVM.CUNY.EDU
[LCN]        Nelson, Louis C.        lou@AEROSPACE.AERO.ORG
[LCN2]       Noll, Landon Curt       chongo@UTS.AMDAHL.COM
[LCS]        Schreier, Louis C.      schreier@SPAM.ISTC.SRI.COM
[LCV]        Varian, Lee C.          lvarian@PUCC.PRINCETON.EDU
[LD46]       Deni, Larry         deni%canisius.bitnet@CUNYVM.CUNY.EDU
[LDB3]       Borchert, L. David      borchert@BRAGGVAX.ARPA
[LF0]        Ortiz, Luis F.          ortiz-luis@YALE.ARPA
[LJR5]       Romero, Louis J.
[LK27]       Kurtz, Linda            SEAADSA@DDN2.ARPA
[LL53]       Lanzillo, Leo           leo@SH.CS.NET
[LL56]       Lattanzi, Len           LATTANZI@SUMEX-AIM.STANFORD.EDU
[LL64]       Leedom, Leith           casey@LLL-CRG.LLNL.GOV
[LM35]       Michela, Larry J.       332LJM@FLTAC-POE.ARPA
[LM88]       McLoughlin, Lee         lmjm%DOC.IC.AC.UK@CS.UCL.AC.UK
[LNZ]        Zubkoff, Leonard N.     edsel!lnz@LABREA.STANFORD.EDU
[LOU]        Salkind, Louis          SALKIND@NYU.ARPA
[LP71]       Paniccia, Larry
[LPM]        Michelson, Leslie P.    michelso@JVNCF.CSC.ORG
[LR44]       Roy, Lynette            roy@GMR.COM
[LRB]        Bierma, Larry R.        BIERMA@NPRDC.ARPA
[LRC7]       Custead, Larry R.       CUSTEAD%SASK.BITNET@CUNYVM.CUNY.EDU
[LRR1]       Rogers, Lawrence R.     lrr@PRINCETON.EDU
[LS136]      Sefton, Laurie          lsefton@UTS.AMDAHL.COM
[LSV]        Vance, L. Stuart        XXSS520@CHPC.BRC.UTEXAS.EDU
[LT28]       Taylor, Larry       BPTLCTPB%UIAMVS.BITNET@CUNYVM.CUNY.EDU
[LW26]       Winkler, Linda          B32357%ANLVM.BITNET@CUNYVM.CUNY.EDU
[LWR]        Robinson, Lawrence W.   lwr@MORDOR.S1.GOV
[MA]         Accetta, Michael        MIKE.ACCETTA@A.CS.CMU.EDU
[MA24]       Anderson, Melanie   melanie%ncsavmsa.bitnet@CUNYVM.CUNY.EDU
[MA54]       Allegue, Manny          MANNY%TRINCC.BITNET@CUNYVM.CUNY.EDU
[MA56]       Alexander, Mark
              kma%SAMSON.CADR.DIALNET.SYMBOLICS.COM@SCRC-RIVERSIDE.ARPA
[MA63]       Allen, Mike             mcvax!ethz!allen@UUNET.UU.NET
[MAB4]       Brown, Mark A.          Mark@OBERON.USC.EDU
[MAJ1]       Johnson, M. A.
[MAW25]      Waldschmidt, Mark A.    MARKW%CPVB.SPAN@SDS.SDSC.EDU
[MB]         Brescia, Michael        BRESCIA@CCV.BBN.COM
[MB26]       Brzustowicz, Mike       MAB@ADS.ARPA
[MB31]       Bereschinsky, Michael   BERESCHINSKY@A.ISI.EDU
[MB168]      de Barros, Marcus       marcus@beno.CSS.GOV
[MC17]       Crawford, Matt          crawford@ANL-MCS.ARPA
[MC65]       Corn, Michael
[MC147]      Clark, Mark             mclark@NRAO.ARPA
[MCA1]       Akers, Mary Crocombe    makers@BBN.COM
[MCH5]       Holland, M. C.          prlb2!prlvax4!hollandm@UUNET.UU.NET
[MCL9]       Linimon, Mark C.
                      ihnp4!killer!mizarvme!linimon:UCBVAX.Berkeley.EDU
```

```
[MCSJ]      St. Johns, Michael        StJohns@SRI-NIC.ARPA
[MDC]       Connor, Martin David      mdc@HT.AI.MIT.EDU
[MDE3]      Eggers, Mark D.     CF4A8X%IRISHMVS.BITNET@CUNYVM.CUNY.EDU
[ME38]      Elvy, Marc                ELVY@CARRARA.MARBLE.COM
[MF14]      Fingerhut, Michael        ircam!mf@UUNET.UU.NET
[MF31]      Fouts, Martin             FOUTS@AMELIA.ARC.NASA.GOV
[MF74]      Fidler, Mike        TS0026%OHSTVMA.BITNET@CUNYVM.CUNY.EDU
[MG58]      Gilbert, Mike             MBALLENTINE@ADA20.ISI.EDU
[MG95]      Greisen, Marc
[MH82]      Horton, Mark              stargate.com!mark@RUTGERS.EDU
[MH98]      Hrybyk, Michael           hrybyk@HOPKINS-EECS-BRAVO.ARPA
[MH118]     Harper, Malcom      mkh%sevax.prg.oxford.ac.uk@CS.UCL.AC.UK
[MJ33]      Johnson, Mark
[MJM2]      Muuss, Michael John       MIKE@BRL.ARPA
[MJ04]      O'Connor, Michael J.      OCONNOR@SCCGATE.SCC.COM
[MJ07]      O'Donnell, Michael J.     odonnell@HOPKINS-EECS-BRAVO.ARPA
[MK17]      Karels, Mike              karels@UCBVAX.Berkeley.EDU
[MK38]      Kowitz, Mark              mark@ROCKEFELLER.ARPA
[MK68]      Kazar, Michael            Mike.Kazar@K.CS.CMU.EDU
[MK75]      Koulopoulos, Mike         well!rk@LLL-LCC.ARPA
[MK79]      Kito, Masafumi            kokubu%etl.jp@RELAY.CS.NET
[MKL]       Lottor, Mark K.           MKL@SRI-NIC.ARPA
[MKP2]      Peterson, Michael K.      scgvaxd!mkp@CSVAX.CALTECH.EDU
[ML62]      Levine, Michael           LEVINE@A.PSY.CMU.EDU
[ML95]      Liu, Mei-Ling      DSMEILI%CALSTATE.BITNET@CUNYVM.CUNY.EDU
[MLC]       Corrigan, Michael         Corrigan@DDN3.ARPA
[MM135]     Mills, M.
[MM147]     Meyer, Mark               mark%unlcdc3.bitnet@CUNYVM.CUNY.EDU
[MM149]     Miller, Mark          LUMM%LEHIIBM1.BITNET@CUNYVM.CUNY.EDU
[MM227]     Mohar, Mike               csed-1!csed-37!mohar@DAITC.ARPA
[MMH5]      Hayman, Martin M.
[MMM3]      McDonnell, Michael M.     MIKE@ETL.ARPA
[MOUSE]     Parker, Mike              mouse@LARRY.MCRCIM.MCGILL.EDU
[MP12]      Petry, Michael            petry@TRANTOR.UMD.EDU
[MP20]      Perras, Mickey            PERRAS@NUSC-ADA.ARPA
[MPM]       Mullen, M. Preston        MULLEN@NRL-CSS.ARPA
[MQ7]       Quipourt, M.
[MR29]      Russell, Mike
[MR78]      Rotert, Michael           ZORN%GERMANY.CSNET@RELAY.CS.NET
[MR91]      Reynolds, Mark
[MR101]     Roberson, Milton
[MS9]       Schoffstall, Martin Lee   schoff@CSV.RPI.EDU
[MS22]      Starner, Mark L.          starner@PRC.UNISYS.COM
[MS101]     Szymendera, Michael       mikey%CANISIUS.EDU@RELAY.CS.NET
[MS171]     Shapiro, Marc             Marc.Shapiro@C.CS.CMU.EDU
[MS172]     Simonians, Marina
[MS195]     Shojima, Makoto
[MSA1]      Andersson, Mats S.        enea!liuida!msa@seismo.CSS.GOV
```

```
[MSM1]     Medin, Milo            MEDIN@AMES.ARPA
[MSP1]     St. Paul, Mark         stpaul@NMSU.EDU
[MT1]      Tharenos, Michael      tharenos@IBM.COM
[MV24]     Vasoll, Mark           vasoll%a.cs.okstate.edu@RELAY.CS.NET
[MW83]     Wexler, Mike           bigboy!mikew@UUNET.UU.NET
[MWS10]    Stalnaker, Michael W.  MIKE@NRL-SSD.ARPA
[NAL]      Lann, Neil             nal@MORDOR.S1.GOV
[NB16]     Ball, Nancy            NancyB@AUSTIN.LOCKHEED.COM
[NC3]      Chiappa, Noel          JNC@XX.LCS.MIT.EDU
[NG]       Gower, Neil E.         GOWER@A.ISI.EDU
[NH2]      Howard, Nat            nrh@FLASH.BELLCORE.COM
[NM31]     Mishkin, Nat           apollo!mishkin@EDDIE.MIT.EDU
[NMM]      Minnich, N. Michael    mminnich@HUEY.UDEL.EDU
[NT12]     Todd, Neil             mcvax!ist!neil@seismo.CSS.GOV
[NT13]     Titley, Nigel          mcvax!btnix!titley@seismo.CSS.GOV
[OD8]      Deguine, O.
[OG4]      Gremont, O.
                         mcvax!inria!gipaltair-bdblues!root@seismo.CSS.GOV
[PA5]      Almquist, Philip       Almquist@SCORE.STANFORD.EDU
[PAK6]     Kaslo, Philip A.       phil@ARIZONA.EDU
[PAN1]     Nelson, Philip A.      phil%wwu.edu@RELAY.CS.NET
[PAP4]     Prindeville, Philip A. PHILIPP@LARRY.MCRCIM.MCGILL.EDU
[PB40]     Bowden, Phillip E.     BOWDENPE@VTVM1.CC.VT.EDU
[PB67]     Boyle, Pat             boyle%ubc.csnet@RELAY.CS.NET
[PC55]     Charlton, Phyliss
[PD39]     Delaney, Pete   pete%crcvax.uucp%germany.csnet@RELAY.CS.NET
[PDB5]     Barron, Patrick D.     pdb@SEI.CMU.EDU
[PEK]      Kane, Patrick E.       kane@XENURUS.GOULD.COM
[PEM4]     McKenney, Paul E.      mckenney@SRI.COM
[PFK]      King, Peter F.         KING%NEXT.COM@RELAY.CS.NET
[PFS2]     Sass, Paul F.          SASS@A.ISI.EDU
[PG40]     Gillis, Paul           paulg@USAGE.UNSW.OZ
[PGA1]     Apley, Phillip G.
[PGM]      Milazzo, Paul G.       milazzo@RICE.EDU
[PH45]     Ho, Peter              HO@HAC2ARPA.HAC.COM
[PHS1]     Schmidt, Paul H.       pschmidt@AFIT-AB.ARPA
[PJT9]     Tyers, Peter J.        tyers%trlluna.oz@UUNET.UU.NET
[PK]       Kirstein, Peter T.     KIRSTEIN@NSS.CS.UCL.AC.UK
[PK19]     Karr, Penny            PKARR@BBN.COM
[PK28]     Karn, Phil             KARN@THUMPER.BELLCORE.COM
[PKH1]     Hyder, Paul K.         HYDER@HUB.UCSB.EDU
[PL37]     LaForgue, Pierre       laforgue@IMAG.IMAG.FR
[PLH8]     Haymon, Paula Langford apctrc!bigmac!haymon@UUNET.UU.NET
[PM4]      Martin, Paul           PMARTIN@KL.SRI.COM
[PM37]     Melvin, Phyllis        phyllis@BOEING.COM
[PM72]     Mies, Paul             unido!gmdzi!mies@seismo.CSS.GOV
[PM81]     Marshall, Peter   p.marshall%UWOVAX.BITNET@WISCVM.WISC.EDU
[PMH3]     Henderson, P. Marshall
```

```
[PML1]      Lashley, Patrick M.     Holems!pat1@SUN.COM
[PN23]      Nellessen, Peter        CRTVAX!PN@SPICE.CS.CMU.EDU
[PNW]       Wan, Peter N.           peter%msdc.uucp@GATECH.EDU
[PP14]      Pomes, Paul             paul@UXC.CSO.UIUC.EDU
[PP36]      Patton, Paul
[PRT2]      Taylor, Paul R.     rocksvax!oswego!taylor@CS.ROCHESTER.EDU
[PS27]      Spilling, Paal          SPILLING@A.ISI.EDU
[PSS1]      Schwarz, Phil S.
[PT23]      Tomb, Peter             ptomb%umass.bitnet@CUNYVM.CUNY.EDU
[PT26]      Taylor, Philip
                postmaster%cst%cvaxa.sussex.ac.uk@NSS.CS.UCL.AC.UK
[PW37]      Woods, Paul
[PW44]      Wishart, Peter          pjw%anucsd.oz@UUNET.UU.NET
[PW49]      Ware, Pete              esosun!pete@seismo.CSS.GOV
[RA11]      Adams, Rick             rick@seismo.CSS.GOV
[RA17]      Albrightson, Robert     bob@CS.WASHINGTON.EDU
[RA62]      Aschenbrenner, Rex      Rex%CGIVB%CGI.CSNET@RELAY.CS.NET
[RA66]      Antonorsi, Richard
[RA94]      Allison, Roger
[RAJ3]      Johnson, Richard A.     RAJ@ICS.UCI.EDU
[RAJ8]      Jones, Richard A.       jones@COLO.COLORADO.EDU
[RAK12]     Kawin, Richard A.       kawin@MORDOR.S1.GOV
[RAM57]     Mann, Rex A.
[RAR22]     Ridder, Robert A.
[RAR23]     Ragosa, Richard A.
[RAY4]      Yamin, Raymond A.
[RB187]     Baxter, Richard         baxter-richard@YALE.ARPA
[RB217]     Bracho, Rafael          RXB@KL.SRI.COM
[RB218]     Bentson, Randolph   bentson%colostate.csnet@RELAY.CS.NET
[RB219]     Bybee, Robert
[RB221]     Blachley, Rick
[RB253]     Bjers, Richard      CCONRDB%UCCCVM1.BITNET@CUNYVM.CUNY.EDU
[RBW]       Wales, Richard B.       WALES@CS.UCLA.EDU
[RC113]     Collier, Renee
[RCM9]      McQueen, Robert C.      SIT.MCQUEEN@CU20B.COLUMBIA.EDU
[RD91]      Dussaulx, Regine
[RD104]     Dirlewanger, Roland     rd@SUN8.LRI.FR
[RD108]     Dahlhoff, Randall   GR.RFD%ISUMVS.BITNET@CUNYVM.CUNY.EDU
[RDG12]     Garvie, Robert D.   garvie%grumpy.dnet@SPOT.COLORADO.EDU
[RDQ]       Quigley, Roger d.       quigley@SRI-LEWIS.ARPA
[RDR4]      Rockwell, R. Dennis     DROCKWELL@SH.CS.NET
[RE22]      Enas, R.                cdc-ddn@DDN2.ARPA
[RED22]     Donnelly, Robert  E.
[RER20]     Rogers, Robert E.
[RF57]      Fajman, Roger           RAF%NIHCU.BITNET@CUNYVM.CUNY.EDU
[RFD1]      Donnelly, Robert F.     rfd@ARDEC.ARPA
[RG92]      Gopstein, Richard       gopstein@RUTGERS.EDU
[RG94]      Glass, Rick             GLASS%CEBAFVAX.BITNET@CUNYVM.CUNY.EDU
```

```
[RGB14]      Bookbinder, Robert G.     lamont!rgb@COLUMBIA.EDU
[RH5]        Hobby, Russell            RDHOBBY@UCDAVIS.UCDAVIS.EDU
[RH6]        Hinden, Robert            HINDEN@CCV.BBN.COM
[RH60]       Hale, Roger               ROGER@LL-SST.ARPA
[RH164]      Hoffmann, Ron             hoffmann@BITSY.MIT.EDU
[RHA8]       August, Robert H.   AUGUSTRH%VUCTRVAX.BITNET@CUNYVM.CUNY.EDU
[RHC3]       Cole, Robert H.           rhc%HPLB.CSNET@RELAY.CS.NET
[RHM11]      Moreno, Robert H.         rmoreno@MISER.ARPA
[RHS16]      Sweed, Richard H.         SWEED@RADC-TOPS20.ARPA
[RJH33]      Hickman, Robert J.
[RJH37]      Hendley, R.J.      HendleyRJ%CS.BHAM.AC.UK@CUNYVM.CUNY.EDU
[RJL3]       Liebschutz, Robert J.     rob@PRESTO.IG.COM
[RK51]       Kisielewski, Richard
[RK75]       Kocian, Ray               kocian%sdr.slb.com@RELAY.CS.NET
[RKJ2]       Johnsson, Richard K.      Johnsson@DECWRL.DEC.COM
[RKS1]       Stodola, Robert K.        STODOLA@RM.FCCC.EDU
[RL104]      Lynch, Rich               VM10CA%WVNVM.BITNET@CUNYVM.CUNY.EDU
[RLB3]       Broersma, Ronald L.       ron@NOSC.MIL
[RLP30]      Paulson, Ray L.
[RLR23]      Reyenga, Robert L.        REYENGA@WESTPOINT.ARPA
[RLR36]      Rawlins, Ray L.           ray%USU.BITNET@CUNYVM.CUNY.EDU
[RLS6]       Smith, Ronald L.          COINS@A.ISI.EDU
[RLU3]       Ullmann, Robert L.        Ariel@EN-C06.PRIME.COM
[RM8]        Marantz, Roy              marantz@KLINZHAI.RUTGERS.EDU
[RM120]      McCarthy, Richard    sp0003%bingvmb.bitnet@CUNYVM.CUNY.EDU
[RM125]      McCorkle, Ray             NSC-Keyport@DDN2.ARPA
[RM142]      Michaels, Robert          michaels@HPLABS.HP.COM
[RM176]      Merry, Rod
[RM177]      Morrison, Robert          rlm%wyocdc1.bitnet@CUNYVM.CUNY.EDU
[RM196]      Murphy, Richard     Richard%SWRIMV.SPAN@STAR.STANFORD.EDU
[RM213]      Mohr, Rupert             UNIDO!RMI!ZENTRALE@UUNET.UU.NET
[RN25]       Negaret, Roger
[RN29]       Nomura, Ryo
                  nomura%nttkb.ntt.junet%ntt-20@SUMEX-AIM.STANFORD.EDU
[RNB5]       Berlinger, Robert N.      naftoli@AECOM.YU.EDU
[RNM1]       MacKenzie, R. Neil        cle%rsre.mod.uk@RELAY.MOD.UK
[RP88]       Perry, Russ               RUSS@CSUFRESNO.EDU
[RPP]        Pingree, Robert P.        PINGREE@NUSC.ARPA
[RR2]        Romine, Raleigh F.        ROMINE@NOTE.NSF.GOV
[RR18]       Reisor, Ron               ron%vax3@LOUIE.UDEL.EDU
[RR26]       Reilly, William R.        REILLY@COA.ARPA
[RR33]       Romanelli, Richard        romanell@BRL.ARPA
[RR97]       Russell, Robb             ROBB%DUVM.BITNET@CUNYVM.CUNY.EDU
[RS253]      Saccoman, Remi            remi%framentec.FR@UUNET.UU.NET
[RS255]      Sinnhuber, Roger rogers%cvaxa.sussex.ac.uk@NSS.CS.UCL.AC.UK
[RSD2]       Dixon, Robert S.        TS0400%OHSTVMA.BITNET@CUNYVM.CUNY.EDU
[RSH]        Hammel, Randall S.        rsh@SUPER.ORG
[RSM1]       Miles, Robert S.          rsm@NRTC.NORTHROP.COM
```

```
[RT60]      Thigpen, Robert       decvax!savax!thigpen@UCVAX.Berkeley.EDU
[RTB8]      Baynes, Robert T.
[RTL]       LaCoss, Richard T.     lacoss@XN.LL.MIT.EDU
[RV32]      Volk, Ruediger         rv%unido@UUNET.UU.NET
[RW101]     Witlicki, Randy        witlicki%williams.edu@RELAY.CS.NET
[RWH5]      Henry, Robert W.       rwh@UCBVAX.Berkeley.EDU
[RWT2]      Tinker, Robert W.      tinker@DTIX.ARPA
[SA]        Allen, Scott
[SA46]      Archer, Stephen        archer@CS.ROCHESTER.EDU
[SA47]      Ayers, Stephen
[SAB17]     Baird, Scott A.
[SAK3]      Kahn, Steven A.        steve@APLVAX.JHUAPL.EDU
[SB12]      Bertilson, Scott       scott@UMN-REI-UC.ARPA
[SB28]      Bradner, Scott         SOB@HARVARD.HARVARD.EDU
[SB90]      Brady, Sean            brady@DCN9.ARPA
[SB98]      Barber, Stan           SOB@BCM.TMC.EDU
[SBW4]      Whidden, Samuel B.     sbw@MATH.AMS.COM
[SC54]      Comer, Scott           wert@RICE.EDU
[SC59]      Campbell, Stephen      steve%dartmouth.edu@RELAY.CS.NET
[SC81]      Callahan, Sean         sean@ELXSI.CALTECH.EDU
[SD1]       Dyer, Stephen          dyer@HARVARD.HARVARD.EDU
[SD78]      Donegan, Steve
[SF34]      Fenstermacher, Scott   scott%wmmvs.bitnet@CUNYVM.CUNY.EDU
[SF41]      Fogel, Steve        SFOGEL!MTCS!MTXINU@UCBARPA.Berkeley.EDU
[SFJ]       Johnston, Scott F.
[SG1]       Grandi, Steve          grandi@NOAO.ARPA
[SG83]      Garwood, Steve
[SG88]      Gai, Silvano        silvano%itopoli.bitnet@CUNYVM.CUNY.EDU
[SGC]       Chipman, Stephen G.    CHIPMAN@F.BBN.COM
[SGR1]      Roediger, Steve G.
[SH37]      Heker, Sergio          heker@JVNCA.CSC.ORG
[SH47]      Hallstrom, Steve     STEVEH%UWACDC.BITNET@CUNYVM.CUNY.EDU
[SH71]      Herber, Steve          herber%andy.bgsu.edu@RELAY.CS.NET
[SHB]       Blumenthal, Steven H.    BLUMENTHAL@VAX.BBN.COM
[SI8]       Ilnicki, Slawomir
[SJL]       Lucks, Steven J.
[SJM9]      Mahler, Stephen J.   mahler%usl-pc%usl.csnet@RELAY.CS.NET
[SJP10]     Piatz, Steven J.       piatz@SP.UNISYS.COM
[SJS11]     Schroeder, Steven J.   SJS%PSUVM.BITNET@CUNYVM.CUNY.EDU
[SL10]      Lerner, Sandy          sandy@SPAR-20.ARPA
[SL47]      Laube, Sheldon         cfisun!shel@HARVARD.HARVARD.EDU
[SL55]      Leaviseur, Sean        SJL%UKC.AC.UK@CS.UCL.AC.UK
[SL68]      Langlois, Sylvain      sylvain@CHORUS.FR
[SLH19]     Howell, Steven L.      showell@NSWC-WO.ARPA
[SM6]       McLinden, Sean         MCLINDEN@CADRE.DSL.PITTSBURGH.EDU
[SM62]      Mackey, Sandy          skm@MITRE-OMAHA.ARPA
[SM67]      Miller, Steve          miller%m2c.org@RELAY.CS.NET
[SM83]      McPherson, Stew        stew@CSUPWB.COLOSTATE.EDU
```

```
[SM96]        Morris, Scooter          scooter@CGL.UCSF.EDU
[SM111]       Mandell, Stewart         mandell@BN1.ARPA
[SMF5]        Feldman, Steven M.
                              hplabs!oliveb!tymix!feldman@UCBVAX.Berkeley.EDU
[SMK2]        King, Stephen Michael    KING@HQAFSC-VAX.ARPA
[SMP2]        Polinsky, Steven M.      SMPCU%CUNYVM.BITNET@CUNYVM.CUNY.EDU
[SMS1]        Schultz, Steve M.        sms@ETN-WLV.EATON.COM
[SR77]        Rousseau, Susan          susan@NUSC.ARPA
[SS80]        Schaller, Skip           SKIP@SOLPL.AS.ARIZONA.EDU
[SS110]       Smith, Stanfield         stan%gcylab.uucp@ITSGW.RPI.EDU
[SS125]       Stovall, Steven          sstovaall@DAITC.ARPA
[SS131]       Sutphen, Steven     steve%alberta.cdn%ubc.csnet@RELAY.CS.NET
[SSW]         Wolff, Stephen S.        STEVE@BRL.ARPA
[ST13]        Takagi, S.               takagi%icot.jp@RELAY.CS.NET
[SW78]        Wadle, Steve
[SWR3]        Rogers, Scott W.         scottr@CSC-LONS.ARPA
[SWW6]        Weller, Scott W.
                              rochester!tropics!orion!sww.uucp@UUNET.UU.NET
[SY8]         Yokota, Shozo
[TA24]        Asami, Tohru
[TB4]         Baker, Theodore          TBAKER@AJPO.SEI.CMU.EDU
[TB64]        Becker, Tony             tony%ucf.edu@RELAY.CS.NET
[TD40]        Davis, Tom               DAVIS@EGLIN-VAX.ARPA
[TDM8]        Mudgett, Trish Dailey
[TE16]        Eldredge, Timothy        g.eldre@SCORE.STANFORD.EDU
[TEC6]        Chessman, Thomas E.      chessman@LOGNET2.ARPA
[TES16]       Swazuk, Thomas E.
[TF6]         Ferrin, Thomas           TEF@CGL.UCSF.EDU
[TFB3]        Blakely, Thomas F.       ittfb%dcatla.uucp@UUNET.UU.NET
[TGN]         Norman, T.G.       net-admin!cs.flinders.oz.au@UUNET.UU.NET
[TGS6]        Sickles, Theodore G.
[TH15]        Holt, Tracy              Holt%gmuvax.bitnet@CUNYVM.CUNY.EDU
[TH60]        Hutton, Thomas           hutton@SCUBED.ARPA
[THD]         Dunigan, Thomas H.       DUNIGAN@MSR.EPM.ORNL.GOV
[TK43]        Kobayashi, Tsutomu       koba%ntt-20@SUMEX-AIM.STANFORD.EDU
[TM10]        Mallory, Tracy           tmallory@CCV.BBN.COM
[TM37]        Lafleur, Tom             LAFLEUR@NET1.UCSD.EDU
[TM57]        Mead, Theodore           mead@TUT.CC.ROCHESTER.EDU
[TM86]        MacMillan, Todd          todd%apple.csnet@RELAY.CS.NET
[TMD6]        Dillon, Theresa M.       tmd@MITRE-BEDFORD.ARPA
[TMH6]        Herrick, Thomas M.       DCAB600@DDN1.ARPA
[TML]         Louden, T. Michael       LOUDEN@MITRE.ARPA
[TN17]        Nijssen, Teun            TEUN%HTIKUB5.BITNET@CUNYVM.CUNY.EDU
[TO4]         Oishi, Tosaku            oishi%etl.junet%etl.jp@RELAY.CS.NET
[TONY]        Holland, Anthony R.      TONY@KL.SRI.COM
[TR38]        Radzykewycz, Tim         calma!radzy@UCBVAX.Berkeley.EDU
[TRG4]        Giebelhaus, Tim R.       hi-csc!giebelhaus@UMN-CS.ARPA
[TS9]         Slattery, Terry          tcs@USNA.MIL
```

```
[TS14]      Stuckey, Trish            TRISH@TRANTOR.HARRIS-ATD.COM
[TS31]      Symchych, Tim             symchych@SKL-CRC.ARPA
[TT35]      Terbush, Terry            tlt%gwuvm.bitnet@CUNYVM.CUNY.EDU
[TVF1]      Fossum, Timothy V.        fossum@VACS.UWP.WISC.EDU
[TW51]      Wadlow, Tom A.            taw@MORDOR.S1.GOV
[UB3]       Bilting, Ulf             BILTING@PURDUE.EDU
[US2]       Straumann, Ulrich    K538915%CZHRZU1A.BITNET@CUNYVM.CUNY.EDU
[VBK]       Kava, Victor B.
[VDC1]      Cone, V. Donald           Cone@SPAM.ISTC.SRI.COM
[VHB]       Barnes, Vonnie H.         VBARNES@NSWC-OAS.ARPA
[WA16]      Armitage, William
                         wja%computer-science.nottingham.ac.uk@CS.UCL.AC.UK
[WAG5]      Guthmiller, Wayne A.      MKATZ@A.ISI.EDU
[WAH11]     Hunt, Warren A., Jr.      HUNT@CLI.COM
[WB53]      Ball, Wayne               wball%umass.bitnet@CUNYVM.CUNY.EDU
[WCB3]      Bard, William C.          Bard@NGP.UTEXAS.EDU
[WCW7]      Wells, William C.
[WCWI]      Ince, W.C.W.          admin_sys%math.waterloo.edu@RELAY.CS.NET
[WD27]      Dair, Willis             DAIR%SCU.BITNET@JADE.Berkeley.EDU
[WDL]       Lazear, Walter D.         LAZEAR@MITRE.ARPA
[WDR7]      Rolph, W.D.
[WDS11]     Smith, William D.
[WDW2]      Welch, William D., Jr.    ingr!zaiaz!bill@UUNET.UU.NET
[WE12]      Edgington, Will       wedgingt%ducair.bitnet@CUNYVM.CUNY.EDU
[WF3]       Fink, William E.          bill@NRL-LCP.ARPA
[WG]        Graves, Wayne             WRGRAVES@LBL.ARPA
[WH64]      Hake, Wolfgang       UHRZS007%DBIUNI11.BITNET@CUNYVM.CUNY.EDU
[WL31]      Lampeter, William         bill@CS.ROCHESTER.EDU
[WLB5]      Boyer, William L.         WLB@NCIFCRF.GOV
[WLG7]      Gordon, Windy L.
[WM10]      Moore, Wire               wire@INTEL-IWARP.ARPA
[WM68]      Magnussen, Walt        X048WM%TAMVM1.BITNET@CUNYVM.CUNY.EDU
[WPJ]       Jones, William Prichard  JONES@AMES.ARPA
[WRR5]      Ritchie, William R.       DDNWRR@FLTAC-POE.ARPA
[WS94]      Spirk, Werner       A2824AB%DMOLRZ01.BITNET@BCUNYVM.CUNY.EDU
[WSC5]      Currie, W.S.        S.Currie%edinburgh.ac.uk@CUNYVM.CUNY.EDU
[WU1]       Underwood, Walter         wunder@HPLABS.HP.COM
[WW2]       Wedel, Wally              wedel@NGP.UTEXAS.EDU
[WWP8]      Plummer, William W.       Plummer@DOCKMASTER.ARPA
[WWS]       Seemuller, William W.     BILL@ETL.ARPA
[YD2]       Despond, Yves       despond%clsepf51.bitnet@CUNYVM.CUNY.EDU
[YN]        Nguyen, Yen               yen@ARINC-GW.ARPA
[YS10]      Saito, Yaski              yaski%ntt-20@SUMEX-AIM.STANFORD.EDU
[ZSU]       Su, Zaw-Sing              ZSu@TSCA.ISTC.SRI.COM
```

APPENDIX A

The network numbers in class A, B, and C network addresses are allocated among Research, Defense, Government (Non-Defense) and Commercial uses.

   Class A (highest-order bit 0)

      Research allocation: 8
      Defense allocation: 24
      Government allocation: 24
      Commercial allocation: 94
      Reserved Addresses: (0, 127)
      Total   128

   Class B (highest-order bits 1-0)

      Research allocation: 1024
      Defense allocation: 3072
      Government allocation: 3072
      Commercial allocation: 12286
      Reserved Addresses: (0, 16383)
      Total   16384

   Class C (highest-order bits 1-1-0)

      Research allocation: 65536
      Defense allocation: 458725
      Government allocation: 458725
      Commercial allocation: 1572862
      Reserved Addresses: (0, 2097151)
      Total   2097152

   Class D (highest-order bits 1-1-1-0)

      All addresses in this class are allocated for multicast use.

   Class E (highest-order bits 1-1-1-1)

      All addresses in this class are reserved for future use.

Experimental networks which later become operational need not be renumbered. Rather, the identifiers could be moved from Research to Defense, Government or Commercial status. Thus, network identifiers may change state among Research, Defense, Government and Commercial, but the number of identifiers allocated to each use must remain within the limits indicated above. To make possible this fluid assignment, the network identifier spaces are not allocated by simple partition, but rather by specific assignment.

Also, organizations not currently affiliated with the Internet may be
assigned numbers for networks for non-connected service. If at some
later time such networks are connecteed to the Internet (with
appropriate prermissions and approvals) the networks need not be
renumbered.