

## COMPOUND PHYSICAL PARAMETERS

LCR FILE NUMBER A13	LOT NUMBER
PHYSICAL STATE	
PH The pH of a 50% concentration of A13 in a 69% dioxane/water solution was calculated to be 6.764 at 23°C according to the extrapolation procedures of Dr. P. D. Schickedantz, Lorillard Research Center Accession Number 1662, Reference OR 96-53.	
SOLUBILITY	
ORAL (See SOP for Biological Solutions) .5g A13 forms an emulsion in .5ml corn oil with vigorous stirring at room temperature. Reference OR 95-50.	
ACUTE CARDIOVASCULAR A13 not soluble according to SOP for Determination of Solubility of Materials for Acute Cardiovascular and Respiratory Effects Study in Beagle Dogs. Reference OR 95-50.	
STORAGE RECOMMENDATIONS	
Refrigerate in amber bottle at no more than 8°C.	
COMPOUND SENSITIVE TO <input type="checkbox"/> AIR <input type="checkbox"/> HEAT <input type="checkbox"/> MOISTURE <input checked="" type="checkbox"/> OTHER <u>Light</u>	
SAFETY COMMENTS (SUGGESTED HANDLING PROCEDURE)	
SIGNATURE <i>Deborah A. Koontz</i>	DATE 5/27/82

00833593

LORILLARD RESEARCH CENTER  
ACUTE TOXICITY IN MICE

C-10

884

COMPOUND: Tobacco Flavor LORILLARD NO.: \_\_\_\_\_

SOURCE: Firmenich LOT NO.: 57.561

SUBMITTED BY: David Williams

DATE RECEIVED: 4/28/80 TESTED: 5/29/80 REPORTED: 6/2/80

INVESTIGATOR(S): A. Poole & H. S. Tong NOTEBOOK/PAGE: 17/63-66, 70-73

SOLVENT:  1% Methyl Cellulose  10% Methyl Cellulose  
 Corn Oil  Other \_\_\_\_\_

REFERENCE FOR CALCULATIONS: None Needed

STRAIN OF MICE: Swiss-Webster SOURCE: Camm Research DATE RECEIVED: 5/9/80

SEX: Male AVERAGE WEIGHT/RANGE: 25 g/20-30 g

NO. OF MICE PER GROUP: 10 TOTAL NO. USED: 10

GROUP	% SOLN.	DOSAGE (Mg/Kg BODY WEIGHT)	RESULTS (DEAD/TESTED)
1	100%	10,000 Mg/Kg	0/10
2			
3			
4			
5			

METHOD OF TESTING:  ip  Oral  Other \_\_\_\_\_

LD50: >10,000 Mg/Kg

95% CONFIDENCE INTERVAL: \_\_\_\_\_

CONCLUSIONS: This compound is extremely non-toxic. Unable to compute true LD50 since we are unable to give more compound to a mouse without causing injury which would interfere with results.

0435

## LORILLARD RESEARCH CENTER

## AMES ASSAY FOR MUTAGENICITY

NOT LISTED

COMPOUND: N-methyl-4-pyridoneSOURCE: Dr. P.D. Schickedantz LORILLARD NO.: OR-61-119B LOT NO.: DATE RECEIVED: 5/13/80 TESTED: 6/3/80 REPORTED: 6/11/80INVESTIGATOR(S): H.S. Tong & A.A. PooleNOTEBOOK/PAGE: B17-pp. 60-62,74-75SIGNATURE(S): H.S. Tong, Amelia Poole

TOXICITY (% SURVIVAL)		50	80	100	SOLVENT:	<input checked="" type="checkbox"/> DMSO	<input type="checkbox"/> WATER	
CONCENTRATION (MG/ML)			5	.5		<input type="checkbox"/>	OTHER	
<u>S. TYPHIMURIUM</u>	TA1535 (-)S-9 (+)S-9		TA100 (-)S-9 (+)S-9		TA98 (-)S-9 (+)S-9			
CONTROL REVERTANTS PER PLATE (0.05 ML SOLVENT)	4.7	7.0	6.0	16.3	4.0	16.3		

COMPOUND (UG/PLATE)	REVERSION RATE (#TEST REVERTANTS/# CONTROL REVERTANTS PER PLATE)					
5000		0.90		0.57		1.40
2500	1.56	1.24	0.44	0.45	1.75	0.98
1250		1.00		0.55		1.08

POSITIVE CONTROL (UG/PLATE)						
2-AMINOANTHRACENE						
4		10.00		6.43		37.58
2		4.86		4.16		27.15

CONCLUSION: This compound is judged non-mutagenic in this test system.

Xc: Dr. P. D. Schickedantz

Dr. J. R. Reid

Dr. R. S. Marmor

Dr. H. J. Minnemeyer

000401

LORILLARD RESEARCH CENTER  
AMES ASSAY FOR MUTAGENICITY

Met. tested

COMPOUND : 2,6-Dimethyl-1-(4'-pyridyl)-4-pyridoneSOURCE : Dr. P.D. Schickedantz LORILLARD NO.: OR-61-129A LOT NO.: \_\_\_\_\_DATE RECEIVED : 5/19/80 TESTED: 6/10/80 REPORTED: 6/13/80 67-69INVESTIGATOR(S): H. S. Tong & A. A. Poole NOTEBOOK/PAGE: B17-pp-80-81SIGNATURE(S): H. S. Tong & Amelia A. Poole

TOXICITY (%SURVIVAL)	50	80	100	SOLVENT:	<input checked="" type="checkbox"/> DMSO	<input type="checkbox"/> WATER
	5	.5	.05	<input type="checkbox"/> OTHER		

S. TYPHIMURIUM CONTROL REVERTANTS PER PLATE (0.05ML SOLVENT)	TA1535		TA100		TA98			
	(-)S-9	(+)S-9	(-)S-9	(+)S-9	(-)S-9	(+)S-9	(-)S-9	(+)S-9
	2.1	7.0	3.0	9.7	-	14.3		
COMPOUND (UG/PLATE)	REVERSION RATE (#TEST REVERTANTS/#CONTROL REVERTANTS PER PLATE)							
500		1.14		1.17		.77		
250	1.10	1.33	1.33	.97		1.23		
125		1.48		.86		1.12		

POSITIVE CONTROL (UG/PLATE)					
2-AMINOANTHRACENE					
	4	12.29		3.10	40.19
2		6.14		4.03	26.72

CONCLUSION: This compound is judged non-mutagenic in this test system.

Xc: Dr. P. D. Schickedantz

Dr. R. S. Marmor

Dr. H. J. Minnemeyer

64410100

## ACUTE TOXICITY IN MICE

COMPOUND	3-Hydroxy-3-methylbutanoic acid (Tur 13)		
SOURCE	Lorillard - Organic Chemistry	LORILLARD NO.	OR39-23
DATE RECEIVED	Unk.	TESTED	12/28/78
INVESTIGATOR(S)	H. S. Tong & M. S. Forte'	LOT NO.	A4 5/3/79
SIGNATURE(S)	<i>H.S. Tong</i> <i>M. S. Forté (by A. Poole)</i>		
STRAIN OF MICE	Swiss-Webster	MALE	X      FEMALE
AVERAGE WEIGHT/RANGE (GM)	DATE RECEIVED		
ROUTE OF COMPOUND ADMINISTRATION	<input checked="" type="checkbox"/> P.O.	<input type="checkbox"/> I.P.	<input type="checkbox"/> I.V.
COMPOUND VEHICLE	<input checked="" type="checkbox"/> .5% METHYL CELLULOSE	<input type="checkbox"/> CORN OIL	<input type="checkbox"/> SALINE
<input type="checkbox"/> OTHER			
GROUP NO.	% SOLUTION	DOSAGE (mg/kg BODY WEIGHT)	RESULTS (NO. DEAD/NO. TESTED)
1	5	1800	1/6
2	10	2160	0/6
3	10	2592	0/6
4	10	3732	3/6
5	10	4479	6/6
REFERENCE FOR CALCULATION	Litchfield, J. T. and Wilcoxin, F., J. of Pharmacol. and Exper. Ther., 90:99, 1948.		
LD <sub>50</sub> (95% CONFIDENCE LIMITS)	3.5 (3.1 to 3.9) g/kg		
CONCLUSION	This compound appears to act as a CNS depressant with symptoms of respiratory depression, constriction of blood vessels, and inactivity. Survivors recovered in 48 hours. The recommended safe dose for a single trial by inhalation in man is 0.3 mg.		
Copies to the Following:	Dr. H. J. Minnemeyer Ms. L. B. Gray		
00040534			

CLINICAL RECORD	NAPLATES	DOG 6022
DATE OF ADMISSION	DATE OF DEATH/CHANGE	PAGE 21

3. Pulmonary fibrosis and emphysema, slight, all lobes of the lung  
4. Acute bronchitis, all lobes of the lung  
5. Bronchopneumonia, recent, all lobes of the lung  
6. Bronchopneumonia with abscess formation, right diaphragmatic lobe  
7. Basal cell hyperplasia, slight to moderate, all lobes of the lung  
8. Pulmonary edema, right apical and right cardiac lobes  
9. Granuloma, right cardiac lobe  
10. Fibrous thickening of the pleura, slight, bilateral  
11. Squamous metaplasia of the trachea  
12. Lymphoid and reticulum cell hyperplasia of the tracheobronchial lymph nodes.  
13. Coronary arteriosclerosis, slight  
14. Fatty infiltration of the myocardium  
15. Passive congestion of the liver, spleen, pancreas and adrenals, slight

COMMENT

This is a dog from the PMO Study. The dog died during an emergency treatment in the veterinary clinic. At the time of his death the dog had smoked for 113 days with a total of 1140 cigarettes smoked. The smoking began on April 8, 1977. He smoked until October 18, 1977. The findings of this dog are those of a thrombus of recent origin in the right auricular appendage. From here, showers of emboli were given off and landed in branches of the pulmonary arteries and arterioles in six of the seven lobes. Following this, pulmonary infarcts developed in six of the seven lobes. The pulmonary infarcts were of recent origin and in the areas around these there were zones of bronchopneumonia, a frequent complication of pulmonary infarction. An interesting complication was the presence of a pulmonary abscess in the region of the infarct in the right diaphragmatic lobe. The changes in the tracheobronchial epithelium were those of basal cell hyperplasia, more than one would expect with a total smoking

(Use additional sheets of this form if standard form is not sufficient)

SIGNATURE OF PHYSICIAN

DATE

IDENTITY AND ADDRESS

PATIENT'S IDENTIFICATION (For typed or written entries see Standard Form 102, Part 2, page 2, date, hospital or medical facility)

Dog 6022

00043198

# Journal of Agricultural and Food Chemistry /Instructions for Authors

ONE OF THE AMERICAN CHEMICAL SOCIETY PUBLICATIONS

Author(s)	Paul D. Schickedantz, Martha A. Skladanowski, John Zaletel, Robert S. Marmor, and Harry J. Minnemeyer*	Ms. No.	Job No.
Title	Metabolites of 3-Phenyl-5-methyl-1,2,4-oxadiazole (PMO) in Rats, Dogs, and Mice	Month of Issue	July/Aug

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Harry J. Minnemeyer

Signature of Authorized Agent—Title

MANAGER, RESEARCH

9-10-69

Date

Lorillard Corporation  
200 East 42 Street  
New York, New York 10017

Dear Sirs:

I would like you to consider the attached U.S.  
Patent Applications Nos. 3,366,122, dealing with:

(Enter short description here) 3,366,123

Cigarette Filters

I rely entirely on those rights which I may acquire pursuant to any Patent issued on this Application, and I acquire no rights against you in connection with submitting this material to you.

If you will examine this Application, I agree that you are not obligated in any way to do anything more than consider the Application, using diligence to prevent disclosure to third persons of any information in the Application which you in your sole discretion consider to be new to you and unavailable to the public, for so long a period as you in your sole judgment consider such information to be unavailable to the public.

I will appreciate having the Application returned to me within thirty days from the date of this letter.

G.R. Brothers  
(Name)

3215 Ave H  
(Address)

Bklyn N.Y. 11210  
(CITY & STATE)

00060271

U.S. DEPARTMENT OF COMMERCE  
Patent Office

Washington, D.C. 20591

Reply Form Relating to the Following GROUP 350		
NAME H. D. NUNN		
331	03-09-70	17,881
ART. NO.	FILED DATE	SERIAL NO.
WILLIAM E. ROSEN		
APPLICANT	INVENTION	
METHOD OF TREATING TOBACCO		

Paper No. 2

Mailed \_\_\_\_\_

MAILED

APR 1 1971

PAUL AND PAUL,  
1815 LIND TITIE BLDG.  
BROAD AND CHESTNUT STS.  
PHILADELPHIA, PA. 19110

14-70 611800

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

CHANGES AND/OR ADDITIONS TO THE APPLICATION RECORD MADE BY THE  
EXAMINER UPON ALLOWANCE

This application is in condition for allowance and the following changes have been made therein by the Examiner. Should the changes be unacceptable to applicant, an appropriate amendment may be proposed after the Notice of Allowance has been received, as provided under rule 312. To ensure consideration of such an amendment, it must be submitted on or before remittance of the Base Issue Fee.

PROSECUTION ON THE MERITS IS CLOSED. A NOTICE OF ALLOWANCE WILL BE MAILED IN  
DUE COURSE.

- (1) Note attached Notice of References Cited, PO-892, which is part of this communication. The listed references are considered to be pertinent to the claimed invention, but the claims are deemed patentable thereover.

In a telephone interview with Mr. E. Arthur Thompson, of the attorneys of record on April 2, 1971, the following Amendment was authorized and has been entered:

Claim 16 has been cancelled.

On page 6, line 24, a comma has been inserted after "catalase."

PLEASE FURNISH YOUR ZIP CODE IN ALL CORRESPONDENCE

FORM P-14 OF REV. 3/70

00060762

# Gas Filter

S.E.N.C. 65mm Kent

## 1100g. Top Kent Gas Filter Findings Average of 4 Determinations

Sample No.	Date	Initial Pressure	Final Pressure	Volume	Rate	Efficiency	Chlorine Filter Percent	Nitration
1. 904	1.072	.54	.28	25.8	14.0	45.7	1.71	0.99 42.1
2. 915	1.062	.52	.27	26.5	12.2	54.0	1.72	0.84 51.2
3. 914	1.050	.54	.29	26.6	12.8	51.9	1.77	0.88 50.3
4. 903	1.075	.52	.25	26.1	12.8	51.0	1.64	0.82 50.0
5.	913	1.058	.51	129	26.9	14.0	1.62	0.89 45.1

00064657

## Plug

TOD-731-1 TOD-731-2 TOD-731-3 TOD-731-4

Weight: 111.8176 Weight: 97.3555 Weight: 92.6504 Weight: 110.0684

Draw	Circ.	Draw	Circ.	Draw	Circ.	Draw	Circ.
.25	25.00	.18	25.00	.17	25.00	.17	25.00
.12	25.00	.19	25.20	.11	24.90	.12	24.90
.26	24.80	.19	25.00	.17	25.00	.19	25.00
.19	25.10	.21	25.00	.11	25.00	.15	25.00
.12	24.90	.17	25.10	.11	24.90	.11	25.00
.17	24.90	.11	25.00	.12	25.00	.16	25.00
.23	25.00	.20	25.10	.21	25.00	.22	25.00
.14	24.80	.12	24.90	.20	25.00	.16	25.05
.11	24.90	.18	25.00	.22	25.00	.11	25.00
.12	25.00	.11	25.05	.16	25.00	.11	25.00
.17	25.00	.11	25.05	.21	25.10	.17	25.00
.11	24.80	.11	25.00	.19	24.95	.12	24.90
.15	25.05	.20	24.95	.19	25.00	.15	25.00
.24	25.10	.10	25.00	.17	25.00	.15	24.90
.06	24.90	.17	25.00	.17	24.90	.12	25.10
.11	25.00	.11	25.10	.17	25.10	.11	25.00
.12	25.00	.19	24.80	.15	24.90	.12	24.90
.22	24.90	.11	25.05	.16	25.10	.15	24.95
.31	25.05	.21	24.85	.16	25.10	.15	24.90
.17	25.00	.11	25.00	.17	25.10	.11	25.10
.21	25.00	.11	24.80	.17	24.90	.11	25.00
.11	24.85	.11	25.10	.22	25.00	.11	24.90
.11	25.00	.12	25.00	.11	25.00	.11	24.90
.10	24.70	.11	25.00	.17	24.75	.11	25.00
.11	25.00	.11	25.00	.14	25.00	.15	25.00
512	622.75	4.64	625.5	5.06	624.0	4.35	624.50
	11.05		11.05		11.00		11.02

00064658

April 23, 1969

Date

Lorillard Corporation  
200 East 42 Street  
New York, New York 10017

Dear Sirs:

I would like you to consider:

(Check one):  the material attached, which is identified with my name and date.

the material described below:

I believe this material is original with me, even though I realize how difficult it is to suggest something new or novel in the manufacture, packaging, advertising or selling of tobacco products. Therefore, this material is submitted gratuitously, unsolicited by you, and without creating a confidential, contractual or trust relationship between us, upon the understanding that you will examine and return the material to me within thirty days from the date of this letter.

I agree that your decision shall be final and binding upon me in all respects as to whether this material is new or novel, and whether I am the source from which you first received the idea. Should you decide that this material is new and novel and I am the source from which you first received the idea and that you wish to use the material, I understand that a mutually agreeable compensation to me will be fixed and agreed upon between us before such use.

If in the future you should use or produce material submitted by someone else but similar to the idea or theme of this material submitted by me, I hereby waive any claim that I may have against you.

Geo. R. Haub

(Name)

3270 Pleasant Rd.

(Address)

Jamestown, Ohio

43701

(City and State)

Witness:

Robert L. Haub

(Name)

47 1/2 41st St

(Address)

Zanesville Ohio 43701

00065955

P. LORILLARD  
A DIV. OF LOEW'S THEATRES INC.  
RESEARCH CENTER P.O.B. 20968  
GREENSBORO N.C. 27420 U.S.A.

We intend )  
We do not intend) to participate in the Smoke Study Group's Work

Our delegate will be : M...Dr.. A.. W.. Spears.....  
(address) Lorillard, A Div. of Loew's Theatres, Inc.  
Research Center, 420 English St. or  
P.O. Box 20968  
Greensboro, N. C. 27420 U.S.A.  
Date....1/11/71.....

To be returned before November 30, 1970  
to the Group's Secretary :

Dr. H. ELMENHORST  
Martin Brinkmann A.G.  
Forschung und Entwicklung  
28 BREMEN, Postfach 98  
West Germany

Signature : *A.W. Spears*  
Name : Dr. A. W. Spears

P. LORILLARD  
A DIV. OF LOEW'S THEATRES INC.  
RESEARCH CENTER P.O.B. 20968  
GREENSBORO N.C. 27420 U.S.A.

We intend )  
We do not intend) to participate in the Agronomy Study Group's Work

Our delegate will be : M...DR.. A.. W.. SPEARS.....  
(address) Lorillard, A Div. of Loew's Theatres, Inc.  
Research Center, 420 English St. or  
P.O. Box 20968  
Greensboro, N. C. 27420 U.S.A.  
Date....1/11/71.....

To be returned before November 30, 1970  
to the Agronomy Group's Secretary :

Dr. A.G. SFICAS  
Tobacco Research Institute  
DRAMA (Greece)

Signature : *A.W. Spears*  
Name : Dr. A. W. Spears

454869000

Manuscript Review Form

TOBACCO SCIENCE

Registration No. 628

Date August 26, 1969

AUTHORS C. H. Sloan and J. E. Kiefer

TITLE "Determination of NO and NO<sub>2</sub> in Cigarette Smoke From Kinetic Data"

REVIEW COMPLETED 9/17/69 RECOMMENDATION: APPROVE IN ITS PRESENT FORM; NOT APPROVE (Give reasons below); X APPROVE TENTATIVELY, SUBJECT TO THE FOLLOWING SUGGESTED REVISIONS: (itemize below):

1. It should be pointed out clearly that the curves in figure 1 represent the appearance of NO<sub>2</sub> above that which may react with other smoke components. One would expect the rate of disappearance of NO to be greater than the rate of appearance of NO<sub>2</sub>, due to reactions with smoke components taking place concurrently with the oxidation to NO<sub>2</sub>. Whether or not these competitive reactions have a significant effect on the slope of the line is not stated, but should be shown by comparison with the data on pure NO.
2. The method for the determination of NO is not clearly presented. It is implied that the rate of appearance of NO<sub>2</sub> is equal to the rate of disappearance of NO, but data to support the validity of this assumption are not presented.
3. The data presented in figure 3, on the effect of the nitrate content of tobacco on the NO-NO<sub>2</sub> yield, is interesting, but would be much more meaningful if the total nitrate content of each sample was included.

NOTE—Execute in triplicate using additional sheets if more space is required. Retain the third copy for your file. Return the original (signed) and the first carbon (*unsigned*) along with the manuscript to this office. The unsigned copy and the manuscript will be returned to the author for his consideration.

00020260

Manuscript Review Form

TOBACCO SCIENCE

Registration No. 533

Date March 18, 1968

AUTHORS Andrew G. Kallianos, Richard E. Means, James D. Mold

TITLE "Effect of Nitrates in Tobacco on the Catechol Yield in  
Cigarette Smoke"

REVIEW COMPLETED 3/29/68 RECOMMENDATION:  APPROVE IN ITS PRESENT FORM;  NOT APPROVE (Give reasons below);  APPROVE TENTATIVELY, SUBJECT TO THE FOLLOWING SUGGESTED REVISIONS: (itemize below):

Page 4 - Last line should be Mass spectrometric, instead of  
Mass spectroscopic.

00070353

NOTE—Execute in triplicate using additional sheets if more space is required. Retain the third copy for your file. Return the original (signed) and the first carbon (*unsigned*) along with the manuscript to this office. The unsigned copy and the manuscript will be returned to the author for his consideration.

WELLER AND KLEIN RESEARCH, INC.  
Rockefeller Plaza  
New York 10020

Job #1703

May, 1966

CIGARETTE PRODUCT TEST

Family Name \_\_\_\_\_ City/State \_\_\_\_\_  
Street Address \_\_\_\_\_ Location Number \_\_\_\_\_

Good afternoon/evening. I am representing Weller and Klein. We are conducting a study on cigarette smoking today and I would like to ask you a few questions.

First of all, is there anyone who is at home now who smokes cigarettes?

Yes \_\_\_\_\_ No \_\_\_\_\_ (TERMINATE INTERVIEW - RE-USE QUESTIONNAIRE)

Would you please tell me the first names of all the people who are at home now who smoke cigarettes.

LIST THE NAMES OF ALL THE PEOPLE AT HOME WHO SMOKE CIGARETTES.

a. Column No... I II III IV

Write in the names of all smokers  
in household who are at home now.

(X) (X) ( ) ( )

Male \_\_\_\_\_ Female \_\_\_\_\_

1. In an average day, about how many cigarettes do you smoke?

- Less than one pack..... (DO NOT INTERVIEW)  
About one pack.....  
More than one pack.....

2. What one brand of cigarettes do you prefer to smoke most regularly?

COLOR QUESTIONNAIRE  
TO BE USED

Pall Mall..... White  
Chesterfield King Size .....

Winston..... Blue  
Marlboro.....  
Viceroy.....  
L & M.....

Salem..... Pink or Yellow  
Kool..... Yellow  
Newport.....

Any other brand..... (DO NOT INTERVIEW)

THE ONLY SMOKERS WHO QUALIFY FOR THIS TEST ARE THOSE WHO SMOKE ONE OF THE BRANDS LISTED ABOVE.

AMONG THE QUALIFIED SMOKERS IN THIS HOUSEHOLD, WHO ARE NEEDED TO FILL YOUR QUOTA, SELECT ONE  
IN THE FOLLOWING SEQUENCE:

a. IF ONLY ONE SMOKER:

Interview that smoker.

b. IF MORE THAN ONE SMOKER AND:

One is a Newport smoker - interview the Newport smoker.  
If two or more are Newport smokers - interview the Newport smoker furthest to the right side of the page who has a red "X" below his/her name.  
All other situations - interview smoker furthest to the right side of the page who has a red "X" below his/her name.

CIRCLE THE COLUMN NUMBER FROM ABOVE THE NAME OF RESPONDENT SELECTED:

I II III IV

3. After asking you a few more questions, I would like to leave some cigarettes with you, have you smoke them, and then I will return to obtain your opinion of these cigarettes. These cigarettes I should mention, are produced by one of the major cigarette companies under the most modern and finest conditions.

Would you like to take part in this test?

Yes \_\_\_\_\_ No \_\_\_\_\_ (SELECT ANOTHER QUALIFIED SMOKER IN THIS HOUSEHOLD  
IF NEEDED)

CONTINUE INTERVIEW WITH CORRECT COLOR QUESTIONNAIRE AS INDICATED AT THE RIGHT MARGIN ABOVE.

THE COLOR USED DEPENDS ON THE BRAND THE SELECTED RESPONDENT SMOKES.

00072329

Phone 292-0327  
903 Caswell Dr.  
Greensboro, NC 27408

352

66-551/531

Sept. 10, 1976

To the order of 30th TCRC \$42.00  
Forty Two and  $\frac{1}{100}$  Dollars

NCNB

North Carolina National Bank  
Greensboro, NC 27420

Charles L. Tucker Jr.

00531-00551 02333142LW

### OFFICIAL RESERVATION CARD

NOTE: Reservations will be held until 6:00 PM unless accompanied by deposit or company guarantee. Reservations MUST be received 21 days prior to opening date of convention.

#### 30th TOBACCO CHEMISTS RESEARCH CONFERENCE

October 17-20, 1976

Card must be returned by 9-26-76

#### ONE RESERVATION PER CARD Circle accommodations desired

1 person 1 bed \$25

2 persons 1 bed \$33

2 persons 2 beds \$33

Suites available upon request.

Additional person in room \$5. Children under 14 free when sharing room with adults.

NAME(S) OF ADDITIONAL PERSON(S) SHARING ROOM

Type of accommodations upon availability only.

Charles L. Tucker Jr.

NAME

Lorillard

FIRM

420 English St.

STREET ADDRESS

Greensboro, N.C.

274262

ZIP CODE

Will arrive on (date) 10/17/76 Will depart by 12 Noon on (date) 10/20/76

Check Out Time: 12 Noon — Check In Time 2 P.M.

ADVANCE REGISTRATION

30th TCRC

Oct. 18-20, 1976

Name Charles L. Tucker Jr.

Affiliation Lorillard

Address Lorillard Research Center

420 English St., Greensboro, N.C.

Ladies program ticket(s) - Monday (complimentary)  
 Ladies program ticket(s) - Tuesday  
(please write name of recipient on reverse side)

Meeting Registration...\$15.00  
 Banquet ticket(s).....\$13.50

Payment enclosed (\$ )  
 Payment will be made at the conference (\$ )

Mail completed card with check payable to 30th TCRC, P. O. Box 29,  
Nashville, TN. 37202

00112363B

00112363A

00112363

Date March 11, 1971Sample No. 6063Type of Cigarette 85 mm non-filterBatch Size 60 lbs.Original Request Made By: Mr. J. H. Bell on Feb. 23, 1971Sample Specifications Written By Neil A. Thaggard

<u>Blend</u>	<u>Casing</u>	<u>Recasing</u>
O.G.S.	O.G.S.	O.G.S.
	<u>Final Flavor</u>	<u>Menthol Flavor</u>
	O.G.S. (8% NaNO <sub>3</sub> applied by lab)	NONE
	<u>Filters</u>	

Cigarettes

Size	- <u>85 mm</u>
Paper	- <u>Same as 6062</u>
Firmness	- <u>Same as 6062</u>
Draw	- <u>to be determined</u>
Weight	- <u>to be determined</u>
Tipping Paper	- <u>NONE</u>
Print	- <u>NONE</u>

Kind -	
Tow	<u>NONE</u>
Plasticizer	
Plug Size	
Rod Length	

Wrapping

Labels	- <u>Plain with caution</u>
Closures	- <u>Plain</u>
Tear Tape	- <u>Plain</u>
Cartons	- <u>Plain with caution</u>
Markings	- <u>NONE</u>

Responsibility

Tobacco Blend	<u>L. Ammons</u>
Filter Production	<u>-----</u>
Making and Packing	<u>N. Thaggard</u>
Shipping	<u>"</u>
Sample Requisition	<u>"</u>
[Form 02:02:06]	

Requirements

Laboratory	- <u>60 cartons</u>
Other	- <u>None</u>

Laboratory Analysis

Smoke Analysis

Reports

Written by	- <u>Mr. J. H. Bell</u>
Original to	- <u>                  </u>
Copies to	- <u>                  </u>
	- <u>                  </u>
	- <u>                  </u>
	- <u>                  </u>

00120179



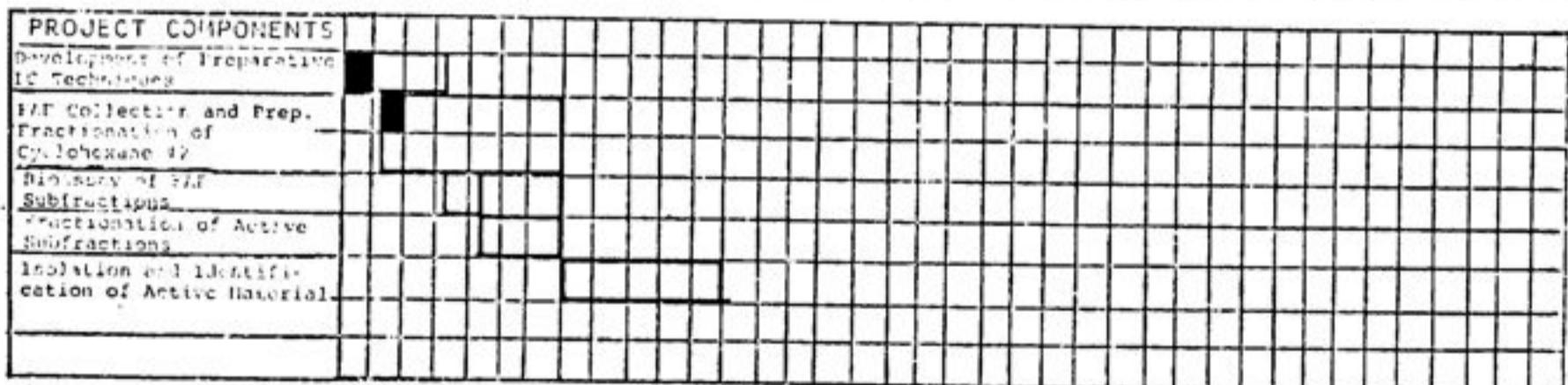
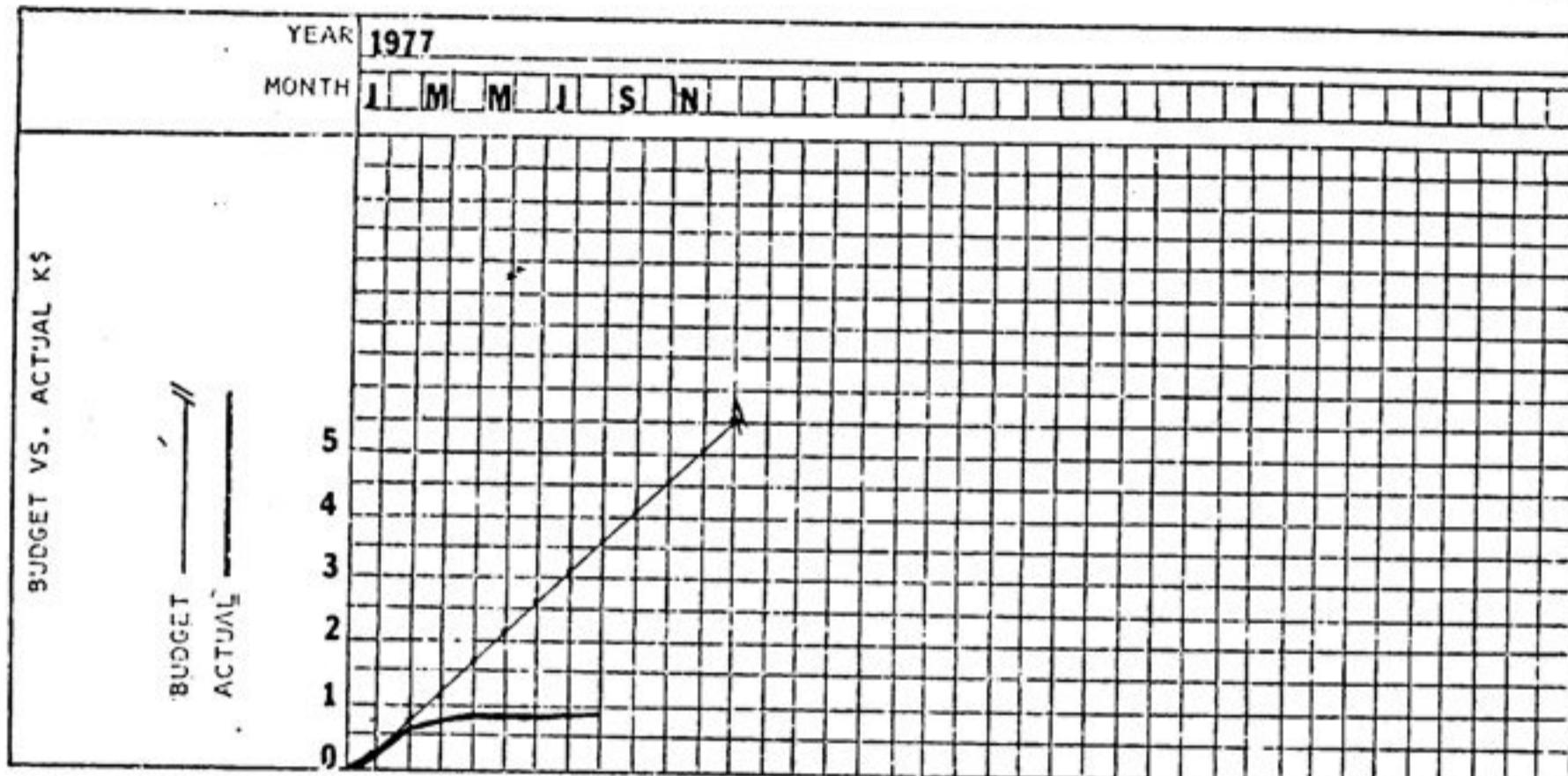
Manager, Product Development



## MONTHLY MANAGEMENT STATUS REPORT

PROJECT NO.: H-101

PROJECT TITLE:	Smoke Neutral Fraction - 1977	DATE:	8/31/77
BUDGET:	\$55,176		
PROJECT DESCRIPTION:	<p>The objective of this project is to develop a fast, reproducible method for isolating large quantities of FAF subfractions, to bioassay the subfractions, and to analyze the composition of the active subfractions.</p>		



$$167 \text{ Hrs. to Date} \div 1,180 \text{ Total Hrs. Budgeted} = 14\%$$

No time available for project.

J. H. Bell

PREPARED BY

H.J. Minnemeyer

00122768

**MONTHLY MANAGEMENT STATUS REPORT**

PROJECT NO.: H-101

CT TITLE: Stroke Neutral Fraction	DATE:
AMT: \$125,200c	12/31/73
PROJECT DESCRIPTION	

To identify and quantitate if possible those components of smoke responsible for the mouse skin tumorigenicity of cigarette smoke. To identify the precursors of these compounds and find methods of reducing or eliminating them.

Step. #2 - 1 month added. \$ not extended upward. 7/31/73.

Step. #3 - Same as above.

Step. #4 - 1/2 month added. \$ not extended upward. 7/31/73.

## Project Components

1. Analysis of Tobacco Extract
  2. Analysis of smoke from cigarette
  3. Preliminary Smoke fractionation for bioassay
  4. Evaluation of the techniques

### **Monthly Progress Report**

CODE

Start Planned: 4

Completion Planned: C

Simultaneous Starts and  
Completion: 1.

Prepared By

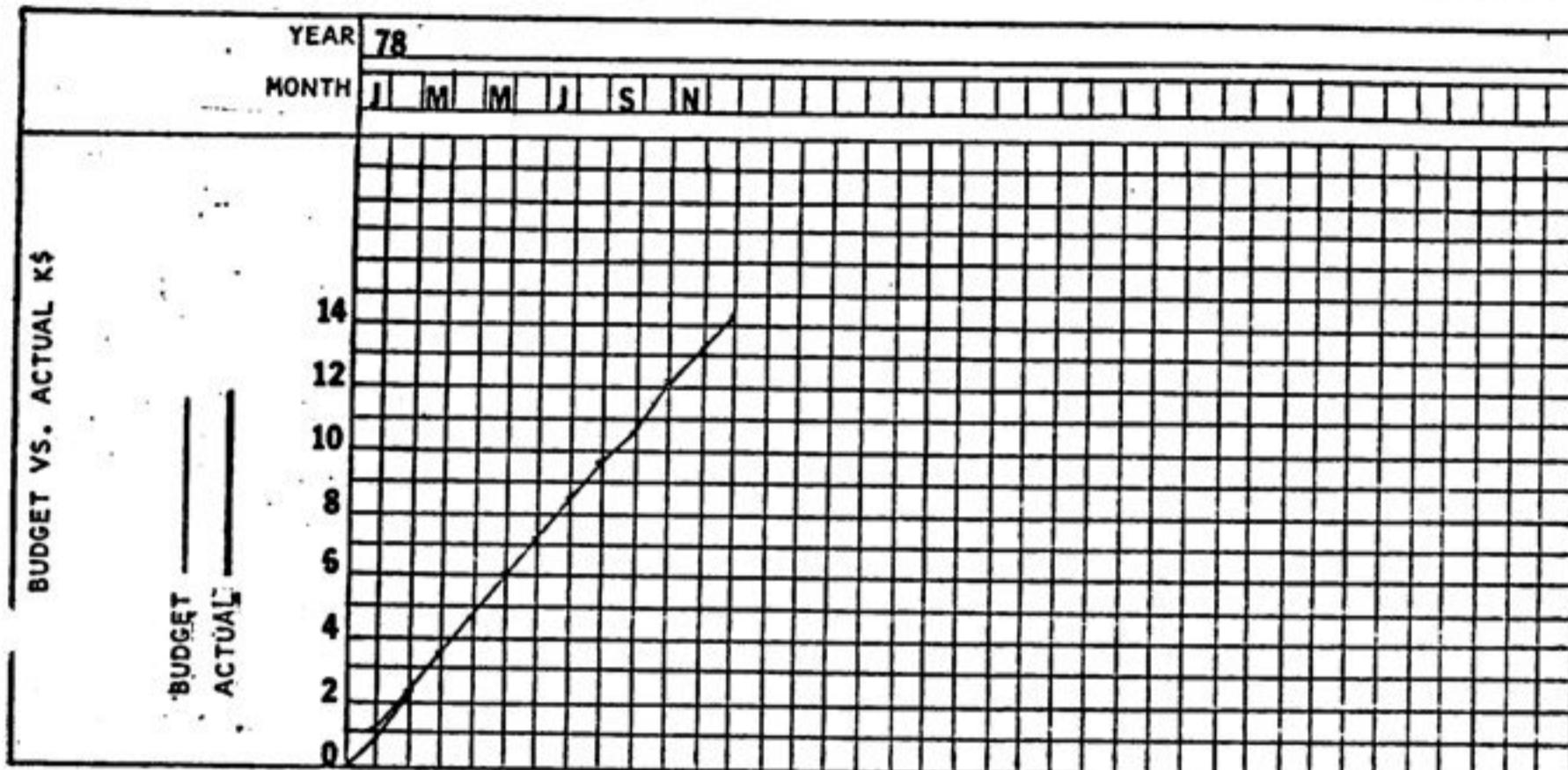
Approved By

00122797

## MONTHLY MANAGEMENT STATUS REPORT

PROJECT NO.: H-185

PROJECT TITLE: MUTAGENIC ACTIVITY SCREEN	DATE: 2/26/78
BUDGET: \$14,490	
PROJECT DESCRIPTION:	
<p>To assay all chemical compounds and substances which are of interest to Lorillard Corporation for mutagenic activities during the year 1978.</p>	



73 Total Hrs. Worked - 500 Total Hrs. Budgeted = 15%

Eight artificial flavorings were assayed for mutagenic activity.

Dr. H. S. Tong

PREPARED BY

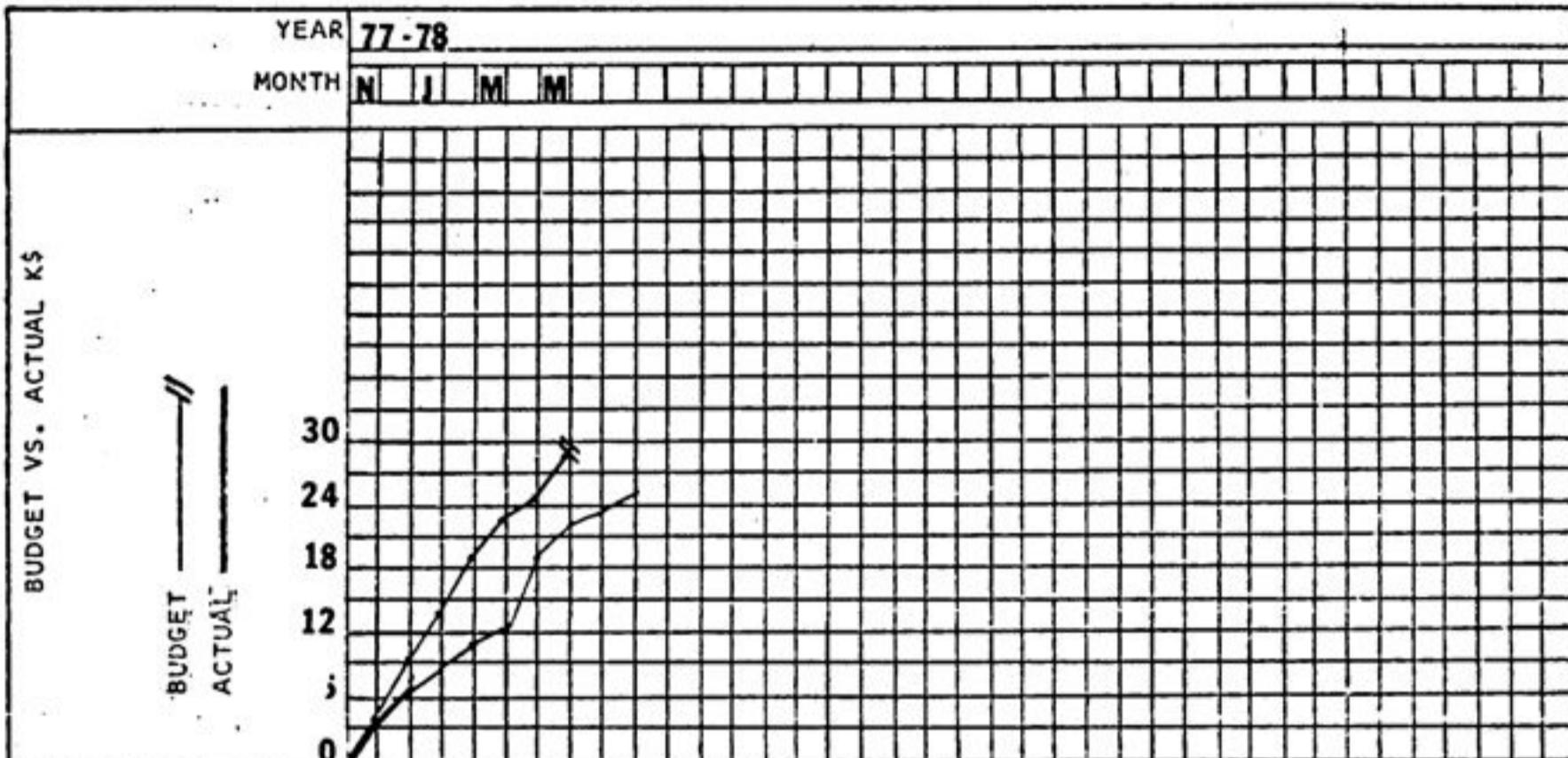
H.-J. Winnemeyer

00123177

## MONTHLY MANAGEMENT STATUS REPORT

PROJECT NO.: B-192

PROJECT TITLE: Migration of Nicotine (MIGON)	DATE: 7/30/78
BUDGET: \$29,615	
<b>PROJECT DESCRIPTION:</b> Principal Project Objectives - The principle objective of this project is to determine the conditions which optimize the migration of nicotine from tobacco or tobacco by-products to RL or other selected materials. In addition determine what other substances migrate and if this migration can be made selective. Tobacco, pH, salts, heat, time, acids, ammonia, etc. will be studied relative to this migration. Methods must be developed to handle the transferred material. Studies will be conducted to determine useability of the tobacco after extraction of nicotine. Inexpensive tobaccos will be studied to determine possible use in manufacturing after treatment.	



PROJECT COMPONENTS	
Library Search	<input type="checkbox"/>
Determine factors which cause migration and optimize	<input checked="" type="checkbox"/>
Identify other materials which are transferred.	<input type="checkbox"/>

826 Hrs. to Date ÷ 1,100 Total Hrs. Budgeted = 75%

A report has been written on two experimental RL's made by T. Larson using high nicotine lamina and a stem: lamina ratio of 55:45. Smoking results, taste panel results, and leaf analyses of the blend are included. A preference was noted for the experimental RL.

Up to 70% available nicotine migrated to filter paper treated with citric acid from filter paper treated with nicotine alkaloid: Tartaric acid produced 7% migration of nicotine alkaloid to the acid treated paper. No stoicometric relationship is readily apparent with these and other additives.

Sue Ireland

PREPARED BY

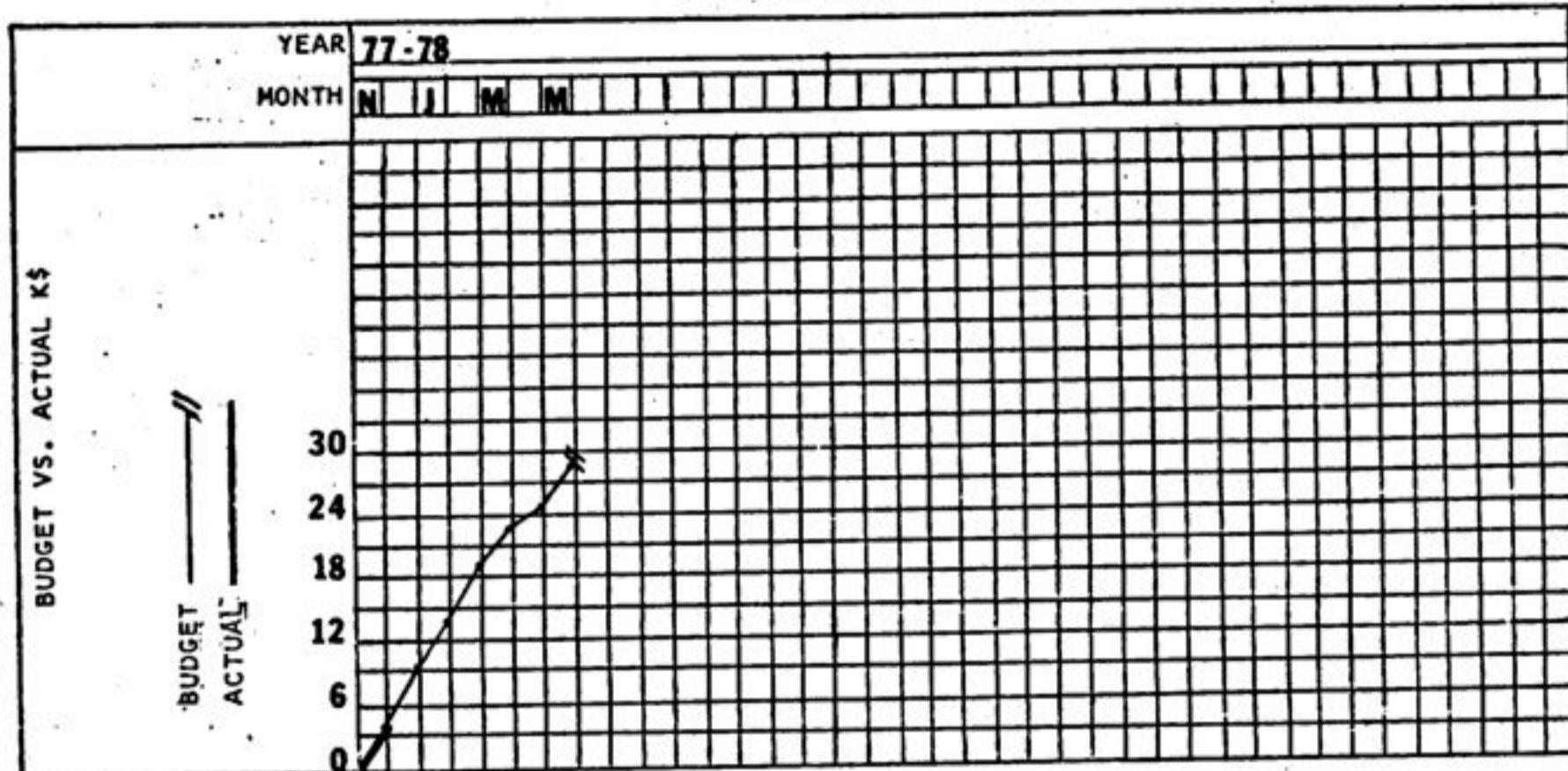
H. J. Minnemeyer

00123461

## MONTHLY MANAGEMENT STATUS REPORT

PROJECT NO.: B-192

PROJECT TITLE:	Migration of Nicotine (MIGON)	DATE	NOV 30 1977
BUDGET:	\$29,615		
PROJECT DESCRIPTION:	Principal Project Objectives - The principle objective of this project is to determine the conditions which optimize the migration of nicotine from tobacco or tobacco by-products to RL or other selected materials. In addition determine what other substances migrate and if this migration can be made selective. Tobacco, pH, salts, heat, time, acids, ammonia, etc. will be studied relative to this migration. Methods must be developed to handle the transferred material. Studies will be conducted to determine useability of the tobacco after extraction of nicotine. Inexpensive tobaccos will be studied to determine possible use in manufacturing after treatment.		



125 Hrs. to Date ÷ 1,100 Total Hrs. Budgeted = 11%

Use of monoammonium phosphate, diammonium phosphate and phosphoric acid on RL and filter paper caused the migration of nicotine from tobacco to the treated substance. Transfer was up to 50% after 2 hrs. heat @ 95 and contact time of 16 hrs. Malic acid and lactic acid were tried at 5% level and gave values of 5% and 1% respectively. Other acids are being tried including tartaric, acetic, formic, citric, etc. A sample of treated paper was suspended in a moisture tin and heated. Nicotine migrated to the paper.

Cigarette papers from our cigarettes were analyzed for nicotine. All but KGL 85's were 0.25% KGL 85 was 0.05%. H. J. Minnemeyer

Sue Ireland PREPARED BY

after 2 hrs. heat  
lactic acid were tried  
ively, Other acids are  
tric, etc. A sample of  
heated. Nicotine  
alyzed for nicotine. All b  
H. J. Minnemeyer

TO: Mr. A. J. Bass, Jr.

DATE: 4/4/77FROM: J. P. Lowry  
Division ManagerDIVISION: Omaha N.H. 614  
Headquarters No.SUBJECT: Progress Report -- Kent Micronite II

Elimination of old style package. (Place check mark in appropriate space.)

DIRECT ACCOUNT LEVELS

<u>Jobber</u>	<u>25% Clean</u>	<u>50% Clean</u>	<u>75% Clean</u>	<u>100% Clean</u>
Kent King		X		
Kent 100's	X			

Wholesale Grocery Warehouse

Kent King			X	
Kent 100's		X		

Chain Warehouse

Kent King			X	
Kent 100's			X	

RETAIL LEVELS50 & 25 Frequency Outlets

Kent King		NONE		
Kent 100's		NONE		

12 Frequency Outlets

Kent King		NONE		
Kent 100's		NONE		

6 & 4 Frequency Outlets

Kent King		NONE		
Kent 100's		NONE		

Annual Outlets

Kent King		100%		
Kent 100's		100%		

COMMENTS: Wholesale A/C's starting cleaning middle of past week.Retail outlets should start cleaning up this coming week.CONSUMER ACCEPTANCE: Indicate the type of consumer remarks heard and the approximate percentage of comments that are positive vs. negative. To Early ToReport information at 771

Submit April 18; May 2, 16, 30

**00137826**

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # 850PRODUCT DEVELOPMENT # 039ACTUAL NAME Brown Sugar 301331TDATE SHIPPED 1/17/84 WHERE SHIPPED BRLPURPOSE 14-Day Subacute AMOUNT 80gSHIPPER M. Bennett

	DATE	INITIAL
Source/Manufacturer	<u>Firmenich</u>	<u>1/17</u> <u>MB</u>
Lot or Batch	<u>3 (Louisville)</u>	<u>1/17</u> <u>MB</u>
Date Received or Produced	<u>1/17/84</u>	<u>1/17</u> <u>MB</u>
Decision Tree		
Literature Search		
Compound Physical Parameters		<u>1/17</u> <u>MB</u>
pH	<u>✓</u>	
Solubility	<u>✓</u>	
Stability		
Storage Recommendations	<u>Refrig.</u>	<u>1/17</u> <u>MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)		<u>1/20</u> <u>YS</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)		

Exceptions: (Action to follow up)

00275552

COMPOUND FILE # A58

PRODUCT DEVELOPMENT # 34

ACTUAL NAME 3-Butylphthalide

DATE SHIPPED 12/29/83

WHERE SHIPPED BRL

PURPOSE Range Finder

AMOUNT 20g

SHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Loc

12/22/83 LFJ

Lot or Batch ORG-S-133

12/22/83 LFJ

Date Received or Produced 1/6/84

12/22/83 LFJ

Decision Tree

12/29 MB

Literature Search

12/29 MR

Compound Physical Parameters

12/29 MR

pH

✓

Solubility

✓

Stability

12/29

Storage Recommendations Refrig.

MR

OK TO SHIP (ABOVE DATA COMPLETE)

12/29

OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)

MR

Exceptions: (Action to follow up)

00275559

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # A50  
 PRODUCT DEVELOPMENT # 132  
 ACTUAL NAME 2-(1-Hydroxy-2-methylcyclohexyl)acetic Acid  
 DATE SHIPPED 12/20/83 WHERE SHIPPED BRL  
 PURPOSE 14-Day Substrate AMOUNT 100g  
 SHIPPER M. Bennett

	DATE	INITIAL
Source/Manufacturer	<u>Loc Stankis</u>	<u>12/6</u> <u>MR</u>
Lot or Batch	<u>BF 9-61-3, BF 3-108-1</u>	<u>12/7/83</u> <u>LFS</u>
Date Received or Produced	<u>11/9/82</u> <u>12/8/83</u>	<u>12/7/83</u> <u>LFS</u>
Decision Tree	<u>12/6</u>	<u>MB</u>
Literature Search	<u>12/6</u>	<u>ME</u>
Compound Physical Parameters	<u>12/6</u>	<u>MB</u>
pH	<u>- ✓</u>	
Solubility	<u>✓</u>	
Stability	<u> </u>	
Storage Recommendations	<u>Refrig.</u>	<u>12/6</u> <u>MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)	<u>12/20</u>	<u>afs</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)		

Exceptions: (Action to follow up)

00275577

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # A4

PRODUCT DEVELOPMENT #

ACTUAL NAME 3-Hydroxy-3-methylbutanoic AcidDATE SHIPPED 11-17-83WHERE SHIPPED BRLPURPOSE 14-Day SubacuteAMOUNT 100gSHIPPER M. Bennett

	DATE	INITIAL
Source/Manufacturer	<u>loc</u>	<u>11-17 MB</u>
Lot or Batch	<u>OR72-94</u>	<u>11/14/83 LFJ</u>
Date Received or Produced	<u>1/20/81</u>	<u>11/14/83 LFJ</u>
Decision Tree		
Literature Search		<u>11-17 MB</u>
Compound Physical Parameters		<u>11-17 MB</u>
pH	<u>✓</u>	
Solubility	<u>✓</u>	
Stability		
Storage Recommendations	<u>frzn / Refd / amber</u>	<u>11-17 MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)		<u>11/17 SFK</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)		
Exceptions: (Action to follow up)		

00275618

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B152

PRODUCT DEVELOPMENT # \_\_\_\_\_

ACTUAL NAME Flavor No. 8048DATE SHIPPED 10-27-83 WHERE SHIPPED BRLPURPOSE 14-Day Subacute (request) AMOUNT 50gSHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Lorillard 10-27-83 MB

Lot or Batch \_\_\_\_\_

Date Received or Produced 10-12-83 10-27-83 MB

Decision Tree \_\_\_\_\_

Literature Search \_\_\_\_\_

Compound Physical Parameters 10-27-83 MBpH ✓Solubility ✓

Stability \_\_\_\_\_

Storage Recommendations Refrig./amber10-27-83 MB

OK TO SHIP (ABOVE DATA COMPLETE)

10/26 CJS

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED)

Exceptions: (Action to follow up)

00275651

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B154

PRODUCT DEVELOPMENT # \_\_\_\_\_

ACTUAL NAME alpha PineneDATE SHIPPED \_\_\_\_\_ WHERE SHIPPED LBIPURPOSE GLP Ames AMOUNT 15 mlSHIPPER M. Bennett

	DATE	INITIAL
Source/Manufacturer <u>Glidden</u>	<u>10-20</u>	<u>MB</u>
Lot or Batch _____	_____	_____
Date Received or Produced <u>9-15-93</u>	<u>10-20</u>	<u>MB</u>
Decision Tree	_____	_____
Literature Search	_____	_____
Compound Physical Parameters	<u>10-20</u>	<u>MB</u>
pH <u>✓</u>		
Solubility <u>✓</u>		
Stability _____		
Storage Recommendations <u>Refrig.</u>	<u>10-20</u>	<u>MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)	<u>10/20</u>	<u>AFS</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)	_____	_____

Exceptions: (Action to follow up)

00275659

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # A62PRODUCT DEVELOPMENT # 61ACTUAL NAME 3-(2-Hydroxy-2-propyl) pyridineDATE SHIPPED \_\_\_\_\_ WHERE SHIPPED BRLPURPOSE DE, IS AMOUNT 8.0 gSHIPPER M. Bennett

	DATE	INITIAL
Source/Manufacturer	<u>LOC . Stark</u>	<u>10-20 MB</u>
Lot or Batch	<u>BF 2-119-4</u>	<u>10/16/83 LFJ</u>
Date Received or Produced	<u>2/26/81</u>	<u>10/16/83 LFJ</u>
Decision Tree	<u>10-20</u>	<u>MB</u>
Literature Search	<u>10-20</u>	<u>MB</u>
Compound Physical Parameters	<u>10-20</u>	<u>MB</u>
pH	<u>✓</u>	
Solubility	<u>✓</u>	
Stability	<u> </u>	
Storage Recommendations	<u>Refrig.</u>	<u>10-20 MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)	<u>10/20</u>	<u>CJS</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)	<u> </u>	<u> </u>

Exceptions: (Action to follow up)

00275671

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE #

D-16

PRODUCT DEVELOPMENT #

ACTUAL NAME

DATE SHIPPED 7-7-83

WHERE SHIPPED

Borr. ston

PURPOSE Terat./Repro, LD50, 14-Day

90-DAY AMOUNT

18kg + 60g

SHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Lorillard Flavor

7-6 MB

Lot or Batch +1 +2

7-6 MB

Date Received or Produced 7-6-83

7-6 MB

Decision Tree

Literature Search

Compound Physical Parameters

pH

Solubility

Stability

Storage Recommendations

Refig in Boxes

7-6 MB

in which they

7/7 295

are received

OK TO SHIP (ABOVE DATA COMPLETE)

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED)

Exceptions: (Action to follow up)

00275811

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B-31  
 PRODUCT DEVELOPMENT # 339  
 ACTUAL NAME Licorice, Extract - #1001 Flavor  
 DATE SHIPPED 6/16/83 WHERE SHIPPED BRL  
 PURPOSE 14-Day AMOUNT 50g  
 SHIPPER M Bennett

	DATE	INITIAL
Source/Manufacturer	<u>6/16</u>	<u>MB</u>
Lot or Batch	<u>6</u>	<u>6/16</u> <u>MB</u>
Date Received or Produced	<u>5-18-83</u>	<u>6/16</u> <u>MB</u>
Decision Tree		
Literature Search	<u>6/16</u>	<u>MB</u>
Compound Physical Parameters	<u>6/16</u>	<u>MB</u>
pH	/	
Solubility	/	
Stability	/	
Storage Recommendations	<u>Refrig</u>	<u>6/16</u> <u>MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)	<u>6/16</u>	<u>MB</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)	<u>6/16</u>	<u>GJS</u>

Exceptions: (Action to follow up)

43852200

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B143

PRODUCT DEVELOPMENT #

ACTUAL NAME Absolute Humulon (Hops)DATE SHIPPED 1-18-83 WHERE SHIPPED BRUPURPOSE DE, IS AMOUNT 20.0 g.SHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer CAL 1-18-83 MB

Lot or Batch \_\_\_\_\_

Date Received or Produced 8-31-82 1-18-83 MB

Decision Tree \_\_\_\_\_

Literature Search \_\_\_\_\_

Compound Physical Parameters 1-18-83 MBpH ✓Solubility ✓

Stability \_\_\_\_\_

Storage Recommendations Refrig. 1-18-83 MBOK TO SHIP (ABOVE DATA COMPLETE) 1/17 985

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED) \_\_\_\_\_

Exceptions: (Action to follow up)

00275983

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B145

PRODUCT DEVELOPMENT # \_\_\_\_\_

ACTUAL NAME 2,3,5,6 Tetra methyl Pyrazine

DATE SHIPPED 1-18-83 WHERE SHIPPED BRU

PURPOSE DE, FS AMOUNT 20.0g

SHIPPER m. Bennett

	DATE	INITIAL
Source/Manufacturer	<u>Pyrazine Specialties</u>	<u>1-18-83 MB</u>
Lot or Batch	_____	_____
Date Received or Produced	<u>8-25-82</u>	<u>1-18-83 MB</u>
Decision Tree	_____	_____
Literature Search	_____	_____
Compound Physical Parameters	<u>1-18-83 MB</u>	_____
pH	✓	_____
Solubility	✓	_____
Stability	_____	_____
Storage Recommendations	<u>Refig.</u>	<u>1-18-83 MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)	<u>1/17</u>	<u>BS</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)	_____	_____
Exceptions: (Action to follow up)		

00275984

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B159

PRODUCT DEVELOPMENT # \_\_\_\_\_

ACTUAL NAME Artificial Peppermint #514DATE SHIPPED 1-18-83 WHERE SHIPPED BRLPURPOSE ACR AMOUNT 2.0gSHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Gilders 1-18-83 MB

Lot or Batch \_\_\_\_\_

Date Received or Produced 12-2-82 1-18-83 MB

Decision Tree \_\_\_\_\_

Literature Search \_\_\_\_\_

Compound Physical Parameters 1-18-83 MBpH ✓Solubility ✓

Stability \_\_\_\_\_

Storage Recommendations Refrig. 1-18-83 MBOK TO SHIP (ABOVE DATA COMPLETE) 1/17 OKS

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED) \_\_\_\_\_

Exceptions: (Action to follow up)

00275986

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B3PRODUCT DEVELOPMENT # 032ACTUAL NAME BenzodihydropyranDATE SHIPPED 1-18-83 WHERE SHIPPED LiftonPURPOSE Chromosomal Aberration AMOUNT 4.0gSHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Arsynco. 1-18-83 MBLot or Batch I 1-18-83 MBDate Received or Produced 2-9-81 1-18-83 MB

Decision Tree

Literature Search

Compound Physical Parameters

pH ✓Solubility ✓Stability Dealer SuppliedStorage Recommendations Refrig1-18-83 MB1/r CPS

OK TO SHIP (ABOVE DATA COMPLETE)

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED)

Exceptions: (Action to follow up)

00275390

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B31PRODUCT DEVELOPMENT # 339ACTUAL NAME Licorice, Powder Extract - #1601 FLAVORDATE SHIPPED 1-18-83 WHERE SHIPPED LetterPURPOSE chromosomal Aberration AMOUNT 4.0gSHIPPER M. Bennett

	DATE	INITIAL
Source/Manufacturer <u>Mc Andrews + Forbes</u>	<u>1-18-83</u>	<u>MB</u>
Lot or Batch		
Date Received or Produced <u>12-15-81</u>	<u>1-18-83</u>	<u>MB</u>
Decision Tree		
Literature Search	<u>1-18-83</u>	<u>MB</u>
Compound Physical Parameters	<u>1-18-83</u>	<u>MB</u>
pH <u>✓</u>		
Solubility <u>✓</u>		
Stability <u>Dealer Supplied</u>		
Storage Recommendations <u>Refrig.</u>	<u>1-18-83</u>	<u>MB</u>
OK TO SHIP (ABOVE DATA COMPLETE)	<u>1/17</u>	<u>SPB</u>
OK TO SHIP (COMPOUND IS WELL KNOWN & DOCUMENTED)		

Exceptions: (Action to follow up)

00275991

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B93PRODUCT DEVELOPMENT # 403ACTUAL NAME Nutmeg Powder - East IndiaDATE SHIPPED 1-18-83 WHERE SHIPPED LitterPURPOSE Mouse Lymphoma AMOUNT 5.0gSHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Brampton 1-18-83 MBLot or Batch #3 1-18-83 MBDate Received or Produced 3-31-82 1-18-83 MB

Decision Tree \_\_\_\_\_

Literature Search \_\_\_\_\_

Compound Physical Parameters 1-18-83 MBpH VSolubility VStability Dealer SuppliedStorage Recommendations Refig.1-18-83 MA1/17 CJS

OK TO SHIP (ABOVE DATA COMPLETE)

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED)

Exceptions: (Action to follow up)

00275996

## PRE-SHIPMENT CHECKLIST

COMPOUND FILE # B105

PRODUCT DEVELOPMENT # \_\_\_\_\_

ACTUAL NAME Lindolof Ry 26352DATE SHIPPED 1-18-83 WHERE SHIPPED LittorPURPOSE Chr. Aberr. AMOUNT 4.0 gSHIPPER M. Bennett

DATE INITIAL

Source/Manufacturer Harden 1-18-83 MBLot or Batch Ry-26351 1-18-83 MBDate Received or Produced 12-30-80 1-18-83 MB

Decision Tree \_\_\_\_\_

Literature Search 1-18-83 MBCompound Physical Parameters 1-18-83 MBpH ✓Solubility ✓Stability Dealer SuppliedStorage Recommendations Refrig.1-18-83 MB4/17 CFS

OK TO SHIP (ABOVE DATA COMPLETE)

OK TO SHIP (COMPOUND IS WELL KNOWN &amp; DOCUMENTED)

Exceptions: (Action to follow up)

00275997

Date: February 17, 1978

Sample No. 8085

Type of Cigarette True Green 85

Batch Size Prod. Tob.

Original Request Made By Mr. A. B. Hudson on February 16, 1978

Sample Specifications Written By J. H. M. Bohlken

BLEND	CASING	RECASING	FINAL FLAVOR	MENTHOL
True Green	True	True	True	True

*Control Sample*

Cigarettes

Maker Mark 8  
Length 84.5 mm  
Circumference 24.8 mm  
Weight 87.0 grams  
Pressure Drop True Green  
Filter Length 25.0 mm  
Paper 540 HC  
Tipping Paper Ecusta 60 mm white  
5 perf. lines

Filters

Kind 1.8-42,000 "Y" white  
Process KDF2-AF2  
Rod Length 120 mm - 15 mm - 8 up  
Pressure Drop 665 mm  
Circumference 23.9 mm  
Weight 86.5 g/100  
Plasticizer Kent 7%  
Plug Wrap Ecusta 626 26.0 mm  
Comb. Wrap + Schweitzer U-1967  
Super porous

Responsibility

Tobacco Blend L. Ammons  
Filter Production B. Jones  
Making & Packing T. Skinner  
Shipping \_\_\_\_\_  
Sample Requisition \_\_\_\_\_  
[Form 02:02:06]

Requirements

Laboratory 15 cartons  
Other \_\_\_\_\_

Special Requirements

Glue Roller - Code "A"

Laboratory Analysis

Reports

Written by J. H. M. Bohlken  
Original to Mr. A. B. Hudson  
Copies to Mr. C. L. Tucker  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

00281783

*Charles L. Tucker*  
Manager, Product Development

Date: April 18, 1980

Sample No. 1288-80

Type of Cigarette GL Menthol 84.0

Batch Size Prod. tobacco

Original Request Made By Dr. V. Norman on April 18, 1980

Sample Specifications Written By J. H. M. Bohlken

BLEND	CASING	RECASING	FINAL FLAVOR	MENTHOL
GL Menthol	6092	2885	---	7202

Blend #I

### Cigarettes

Maker Mark IX  
Length 84.0 mm  
Circumference 24.8 mm  
Weight 90.8 g/100  
Pressure Drop GL Menthol  
Filter Length 25.0 mm  
Paper 540 HC  
Tipping Paper Ecusta TOD 08684  
  60 mm cork - nonporous  
  Mechanically perf. - 1 line  
  Filtrona P.D. - 9.5 mm

### Wrapping

Labels GL Menthol 84.0 + caution  
Closures Green  
Tear Tape Gold  
Cartons GL Menthol 84.0 + caution  
Markings Sample No. on  
  each carton

### Requirements

Laboratory 10 cartons  
Other

### Laboratory Analysis

Tar & Nicotine, Taste panel

### Reports

Written by Dr. V. Norman  
Original to Mr. C. L. Tucker  
Copies to Mr. A. B. Hudson  
  Mr. John Bohlken

### Filters

Kind Cel. 3.3-35,000 Hy Bulk  
  RE-1769  
Process KDF2-AF2  
Rod Length 100 mm  
Pressure Drop 289.1 mm  
Circumference 24.52 mm  
Weight 64.2 grams/100  
Plasticizer 7% Kent  
Plug Wrap Ecusta 626 - 3 perf.

### Responsibility

Tobacco Blend L. Ammons  
Filter Production J. Bohlken  
Making & Packing T. Skinner  
Shipping ---  
Sample Requisition ---  
[Form 02:02:06]

### Special Requirements

Glue roller - Code A

C.P.M = 10.94910

002282637

N. J. Mennemeyer  
Manager, Product Development Research

Date: 2/13/68

Sample No. 4003

Original request made by Mr. J. L. Keffler on 1/10/68

Sample specifications written by B. J. Pember

<u>BLEND</u>	<u>CASING</u>	<u>RECASTING</u>	<u>FINAL FLAVOR</u>	<u>MENTHOL FLAVOR</u>
TRUE	TRUE	TRUE	TRUE	-----

Cigarettes:

Brand ----- TRUE  
Length ----- 85 mm.  
Circumference--- 25.0 mm.  
Paper ----- 136-1  
Firmness ----- To be determined  
Draw ----- To be determined  
Weight ----- To be determined  
Tipping Paper -- 60 mm.  
Print----- None  
Filter Length--- 20 mm.  
Maker Type ---- Molins with Hauni Tipper  
Air Filtration-- Mechanically punched

Requirements: 10 holes  
Laboratory ----- 1 tray  
Others -----

Filters:

Kind ----- 1.6/48,000 T. D.  
RE-788  
Color ----- White  
Rod Length- 120 mm.  
Rod Draw -- 0.06  
Paper ----- Regular plug wrap, non-porous  
Wrappings: Labels ---- TRUE with caution  
Closures--- Blue  
Tear Tape-- White  
Cartons --- TRUE with caution  
Markings-- Sample number on each pack and carton

Laboratory Analysis:

Tars and Nicotine, Taste Panel, Burning Time

Responsibility:

Tobacco Blend ----- Manufacturing, A. Kraus  
Filter Production--- Applied Research  
Making & Packing --- Applied Research  
Shipping ----- Applied Research

Reports:

Written by -- John H. M. Bohlken  
Original to - Mr. W. D. Okerson  
Copies to --- Mr. E. C. Fieg  
                  Mr. J. L. Keffler  
                  Mr. G. J. M. Langlois  
                  Mr. C. B. Welborn  
                  Mr. R. A. Wagner  
                  Mr. B. J. Pember

00282751

*J. Keffler*  
Director, Applied Research  
*19 Feb 68*

Date: 7/16/68

Sample No. 5031

Original request made by Mr. C. L. Tucker, Jr. on 7/10/68

Sample specifications written by John H. M. Bohlken

BLEND

CASING

RECASING

FINAL FLAVOR

MENTHOL FLAVOR

OLD GOLD STRAIGHT Tobacco Blend

Control for Sample No. 5030

Cigarettes:

Brand ----- OLD GOLD STRAIGHT  
Length ----- 85 mm.  
Circumference--- 25.3 mm.  
Paper ----- Ecusta 556  
Firmness ----- OLD GOLD STRAIGHT  
Draw ----- OLD GOLD STRAIGHT  
Weight ----- OLD GOLD STRAIGHT  
Tipping Paper -- --  
Print----- OLD GOLD STRAIGHT  
Filter Length--- --

Wrappings:

Labels ---- OLD GOLD STRAIGHT  
Closures--- Standard Blue  
Tear Tape-- Gold  
Cartons --- OLD GOLD STRAIGHT  
Markings-- Sample number on each pack and carton

Requirements:

Laboratory ----- One Tray  
Others -----

Laboratory Analysis:

7/16-68  
7/16-68

7/16-68

Tars and Nicotine, Taste Panel, Burning Time, Gas Phase Analysis,  
Benzo (A) Pyrene Analyses - 7-16-68 C.L ASS'Ted

Responsibility:

Tobacco Blend ----- Manufacturing - A. Kraus  
Filter Production--- --  
Making & Packing --- Product Development , John H. M. Bohlken  
Shipping -----

Reports:

Written by -- John H. M. Bohlken  
Original to - Mr. C. L. Tucker, Jr.  
Copies to --- Dr. A. W. Spears

00283313

*Charles L. Tucker, Jr.*

Date: July 3, 1974

Sample No. 6066

Original request made by Mr. C. L. Tucker, Jr. On January 1974

Sample specifications written by J.H.M. Bohlken

<u>BLEND</u>	<u>CASING</u>	<u>RECASING</u>	<u>FINAL FLAVOR</u>	<u>MENTHOL FLAVOR</u>
Newport	Newport	Newport	Newport	Newport

**Tipping Glue Study**

Cigts. manufactured in pilot plant

Cigarettes:

Brand High taste - HiFi  
 Length 85 mm  
 Circumference 25.0 mm  
 Paper 136-1  
 Firmness To be determined  
 Draw " " "  
 Weight 96.5 grams/100 cigts.  
 Tipping Paper Ultra Porous-Ecusta TOD 05582  
 Print 64 mm width  
 Filter Length 25 mm - 60 mm tob.

Filters:

Kind Celanese - 5.0-38,000 T.D.  
RE-1053  
 Color White  
 Rod Length 100 mm  
 Rod Draw P. Drop - 200

Requirements:

Laboratory One tray  
 Others \_\_\_\_\_

Laboratory Analysis:

Tar and Nicotine, Taste Panel, Burning Time

Responsibility:

Tobacco Blend Mfg. - L. Ammons  
 Filter Production Prod. Dev. - J.H.M.B.  
 Making & Packing " " "  
 Shipping ---

Reports:

Written by J.H.M. Bohlken  
 Original to Mr. C. L. Tucker, Jr.  
 Copies to Mr. A. B. Hudson  
Dr. A. W. Spears  
Mr. Jerry Shore  
Mr. Ike Brown

Wrappings:

Labels Not Packed  
 Closures "  
 Tear Tape "  
 Cartons "  
 Markings "

Ecusta tipping paper - TOD 05582  
(porous)Total width 64 mm  
32 mm per section

A - Cork - 25 mm  
 B - Gold Stripe - 1.5 mm  
 C - White - 6.0 mm

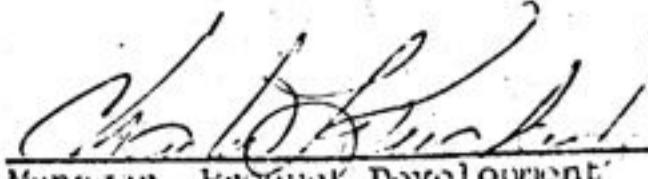
True tipping roller - Mod. III (#47)

Drawing No. PL-4489

Tipping Glue - True type

Cigt. maker speed - HIGH

00285653

  
 Manager, Product Development

High Taste - Hi-Fi Date: October 23, 1974

Ecusta Plug Wrap - Perforated  
7-Lines Sample No. 7088

Original request made by Dr. A. W. Spears On June 1973

Sample specifications written by J. H. M. Bohlken

<u>BLEND</u>	<u>CASING</u>	<u>RECASING</u>	<u>FINAL FLAVOR</u>	<u>MENTHOL</u>
ZACK-9075	2519	2520	2801	None

7088

Cigarettes:

Brand High Taste Hi Fi N-235  
Length 85 mm  
Circumference 25.0 mm  
Paper 136-1  
Firmness To be determined  
Draw " "  
Weight 96.7 grams/100  
Tipping Paper Ultra porous Ecusta TOD-  
Print 64 mm width - no 05582  
Filter Length 25.0 mm print  
tob. 60 mm

Requirements:

Laboratory One tray  
Others \_\_\_\_\_

Laboratory Analysis:

Tar and Nicotine, Taste Panel,  
Burning Time /

Responsibility:

Tobacco Blend	Prod. Dev. - J. Shore	per 32mm section
Filter Production	" " - JHMB	A - Cork - 25 mm
Making & Packing	" " - " &	B - Gold Stripe - 1.5 mm
Shipping	--- J. Shore	C - White - 6.0 mm

Reports:

Written by J. H. M. Bohlken  
Original to Mr. C. L. Tucker  
Copies to Mr. A. B. Hudson  
Dr. A. W. Spears  
Mr. J. W. Shore  
Mr. Ike Brown

Filters:

Kind	Celanese - 5.0-38,000 & RE-1079
Color	White
Process	Mod. Threaded Roller
Length	100 mm
Pressure Drop	198.9 mm
Circ.	24.60 mm
Weight	73.4 grams/100
Plug Wrap	Ecusta TOD-05799
	7 perforated lines

Wrappings:

Labels	Blank + caution
Closures	Blue
Tear Tape	White
Cartons	Blank + caution
Markings	Sample No. on cartons

Proposed cigt. wt. - 96.7 grams/100.

Plug Wrap - Ecusta TOD-05799  
7 perforated lines

Ecusta tipping paper - TOD-05582

Total width - 64 mm

per 32mm section

A - Cork - 25 mm

B - Gold Stripe - 1.5 mm

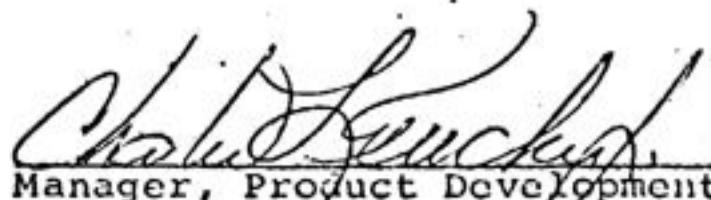
C - White - 6.0 mm

True tipping roller - Mod. IV  
Drawing No. PL-4491

Tipping glue - True type

Cigt. Maker speed - HIGH

00285706



Manager, Product Development

Date: July 17, 1978

Sample No. 4041

Type of Cigarette Kent 84.0 mm

Batch Size Production

Original Request Made By Dr. S. T. Jones on July 11, 1978

Sample Specifications Written By J. H. M. Bohlken

<u>BLEND</u>	<u>CASING</u>	<u>RECASING</u>	<u>FINAL FLAVOR</u>	<u>MENTHOL</u>
Kent 84 mm	Kent	Kent	Kent	---
Control for 4042				

Cigarettes

Maker Mark VIII  
 Length 84.0 mm  
 Circumference 25.0 mm  
 Weight To be determined  
 Pressure Drop " " "  
 Filter Length 21 mm  
 Paper 137-1  
 Tipping Paper 51 mm white  
     1 perf. line

Filters

Kind Rods received from Rhodiacaeta,  
     Germany - without G-6 additive  
 Process  
 Rod Length 126 mm  
 Pressure Drop 370 mm (396 mm)  
 Circumference 24.6 mm (24.51 mm)  
 weight  
 Plasticizer  
 Plug Wrap

Packing

Labels Kent + caution  
 Closures Dark Blue  
 Tear Tape Rich Gold  
 Cartons Kent + caution  
 Markings Sample No. on  
     each carton

Responsibility

Tobacco Blend L. Ammons  
 Filter Production Rhodiacaeta  
 Making & Packing T. Skinner  
 Shipping ---  
 Sample Requisition ---  
 [Form 02:02:06]

Requirements

Laboratory 15 cartons  
 Other

Special Requirements

Glue Roller Code E

Laboratory AnalysisReports

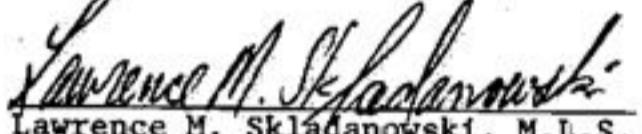
Written by Dr. S. T. Jones  
 Original to  
 Copies to Dr. A. W. Snears  
     Dr. F. J. Schultz  
     Mr. John Bohlken

00305224



Manager, Product Development

## INFORMATION SEARCH SUMMARY

TYPE	CHEMICAL <input type="checkbox"/>	BIOLOGICAL <input type="checkbox"/>	COMBINED <input checked="" type="checkbox"/>
NAME	Lynn F. Johnson		
COMPOUND NAME	Vanillin		
LORILLARD COMPOUND CODE	B63		
	REGISTRY NUMBER (if applicable) 121-33-5		
LITERATURE SURVEYED:			
<u>INITIAL LITERATURE SEARCH:</u>			
I.	Chemical Abstracts Toxicology Data Bank Toxline Medline	Vol. 23 - Vol. 95 #21	DATES REVIEWED 1929-1981 To Aug. 1981 1965- Jun. 1981 1966- Jun. 1981
II.	Cancerline Chemline Excerpta Medica Food Science and Technology Abstracts Foods Adlibra Medline National Technical Information Service		1963- Jan. 1982 To Nov. 1981 1974- Oct. 1981 1969- Oct. 1981 1974- Oct. 1981 1981- Oct. 1981 1964- Oct. 1981
 Lawrence M. Skladanowski, M.L.S. Library Supervisor			
<b>00350528</b>			

#### MATERIAL WT.

DATE

H C N

T O T A L

## ACETONITRILE

## E T H A N O L

BENZENE

M E K

#### 2-MeFURAM

## A C R O L E I N

## ACETONE

### ACETALDEHYDE

I S O P R E N E

5

- 23 -

12

卷之三

160

卷之三

608

Ergonomics

-00363330-

#	DATE	H C N kg/cu	TOTAL	TOLUENE	ACETONITRILE	ETHANOL	BENZENE	MEK	2-FURAN	ACROLEIN	ACETONE	ACETALDEHYDE	ISOPRENE
# 6080	3/30/71	2329	2371	499	392	1121	837	495	946	1292	16892	363	3/30/71 2.0
"	3/30/71	2640	2585	579*	423	1212	901	560	1017	1418	1962	396	" 1.9
"	3/30/71	2485	2510	548	440	1231	907	556	1040	1468	18419	333	" 2.0
"	3/30/71	2395	2245	518	365*	957*	725*	482	806*	1069*	16093	362	4/2/71 2.0
<i>Answers</i>													
<i>Step Dose</i>													
<i>1.0, 0.8, 0.6, 0.4, 0.2, 0.1</i>													
<i>0.9, 0.7, 0.5, 0.3, 0.1</i>													
<i>0.8, 0.6, 0.4, 0.2, 0.1</i>													
<i>0.7, 0.5, 0.3, 0.1</i>													
<i>0.6, 0.4, 0.2, 0.1</i>													
<i>0.5, 0.3, 0.1</i>													
<i>0.4, 0.2, 0.1</i>													
<i>0.3, 0.1</i>													
<i>0.2, 0.1</i>													
<i>0.1</i>													

895254600

ABSTRACT FORM

29th Tobacco Chemists' Research Conference

Center of Adult Education, University of Maryland  
College Park, Maryland

October 8-10, 1975

1. Abstract should be not less than 125 words nor more than 225 words. It should be included in the space designated below.
2. Original should be on this form and the original and four copies, carbon or other type, are requested. Please check your abstract carefully before mailing, as it will be photocopied without any retyping.
3. Please note: (a) Title is all capitals.  
(b) Location follows author name if multiple authors are at different locations.  
(c) Presenting author is underlined.  
(d) Use single spacing.  
(e) Abstracts must contain a meaningful summary of the material to be presented. Very short or vague abstracts will not be accepted.  
(f) The Editorial Committee is responsible for review and acceptance of each paper based on your abstract.
4. Projection requirements: Only 2" x 2" slides will be accepted. Please be sure your slides are clear and readable to the audience.
5. Estimated delivery time 15 minutes, with an additional 5 minutes for discussion.
6. Deadline for abstract is June 30, 1975. This will allow enough time for editorial review and program printing.
7. Mail original and 4 copies of Abstract to: Dr. T. C. Tso, Chairman,  
29th Tobacco Chemists' Research Conference, Building 001, Room 104,  
Beltsville Agricultural Research Center-West, Beltsville, Maryland 20705.

DO NOT  
USE

INTERNATIONAL STUDIES ON CIGAR SMOKE. International Committee for Cigar Smoke Studies, presented by A. M. Gottscho, Research and Development Center, General Cigar Co., Inc., Lancaster, Pa.

00376637

Since 1970, the ICCSS, a group representing cigar manufacturers in Belgium, France, Germany, Switzerland, the United Kingdom, and the United States, has been working on the establishment of useful and meaningful parameters for the laboratory smoking of cigars. Based on studies of smokers' habits in France, Germany, the United States, and England, ICCSS parameters adopted are: puff volume - 20 ml; duration - 1.5 sec; frequency - 40 sec; butt length for untipped cigars is 33 mm; and for plastic tipped cigars, it is tip plus 17 mm. A comparison between these smoking parameters and those of CORESTA for cigarettes was made in a collaborative test, and the applicability of the ICCSS parameters to a range of cigar sizes was among the studies performed. Cigars selected for analysis should be within  $\pm 10\%$  of their mean weight and within  $\pm 10\%$  of their mean pressure drop. The smoke is collected on a 56 mm Cambridge filter. The collaborative tests include comparisons of interlaboratory results on different types of smoking machines. Analysis of the smoke for moisture, nicotine, and total particulate matter was by CORESTA procedures, for the most part. Considering the variability of cigars, the interlaboratory results are in fair agreement except for the measurement of smoke moisture.

RESEARCH AND DEVELOPMENT  
PROJECT REQUEST

Continuation of Nicotine  
Manipulation, Migration, &  
Project Name: Reaction Mechanisms

Date: March 25, 1982

**Principal Project Objectives -**

The principle objectives of this project are to improve nicotine delivery to mainstream smoke, determine the degree and efficiency of nicotine migration, and to understand the mechanisms of nicotine with selected salts and acids.

**TECHNICAL ANALYSIS**

<u>Pattern for Technical Approach</u>	<u>Time Required</u>	<u>LRC** Manhours Required</u>	<u>Outside Services</u>	<u>Equipment &amp; ** Extraordinary Materials</u>
1. Review Literature	3/29 - 6/30	40		
2. Optimize Additive for Migration	3/29 - 5/28	160		
3. Characterize Nicotine Salts				
a) Synthesis-isolation	3/29 - 5/28	120		
b) Mainstream delivery	5/3 - 8/31	160		
c) Physical constants	5/3 - 11/30	220		
d) Spectra	5/3 - 12/9	100		
4. Filter Manipulation	3/29 - 9/1	200		
5. Evaluate Physical Properties of Impregnated Media	4/5 - 9/1	40		
6. Pretreatment of Tobacco to Increase Nicotine Delivery				
a) puffing/solvents	3/22 - 5/28	200		
b) control of mainstream pH	6/1 - 12/9	200		
7. Report	12/10 - 12/23	80		
		Total 1520		Total R & D Cost

\*Project Leader R. W. Slaven

\*Project Group Member(s) R. W. Hurst

J. M. Johnson

M. A. Sudholt

00410089

\*\* Estimated.

CIGARETTE PREPARATION

LINE 12 → CIG. TYPE \_\_\_\_\_, NO. SMOKED \_\_\_\_\_, G.C.NO(S) \_\_\_\_\_, NICOTINE INST. \_\_\_\_\_, SAMPLE 5/4470, BRAND Kent's 5  
LINE 13 → DESCRIPTION: TIP PAPER LGTH. 24.5 BUTT LENGTH. 27.5, SELECTED 7.5 OTHER Cigarette selected by police  
LINE 14 → DATE RECEIVED 4/24/73, DATE SELECTED 4/25/73, DATE SMOKED 4/21/73

	A	B	C
	CONTROL FILTER	CONTROL FILTER	CONTROL FILTER
PRESSURE DROP (1)	149	147	
	149	136	
	149	138	
	143	139	
	141	140	
LINE 40 → AT. OF CIGS. SMOKED	1.051	1.015	
PRESSURE DROP (2)	5.25/44	5.0771	
	1		
	2		
	3		
	4		
	5		
LINE 50 → AT. OF CIGS. SMOKED	00480031		
LINE 51 → AVG. P.D. (1)	146		
LINE 52 → AVG. P.D. (2)	140		

No. 570921

STREET ADDRESS  
P.O. Box 1-Murray Hill Station  
P.O. STATE AND ZIP CODE  
N.Y., N.Y. 10016

OPTIONAL SERVICES FOR ADDITIONAL FEES  
RETURN 1. Shows to whom and date delivered .....  
RECEIPT 2. Shows to whom, date and where delivered ..  
SERVICES 3. Shows to whom, date and where delivered ..  
DELIVER TO ADDRESSEE ONLY .....  
SPECIAL DELIVERY (2 pounds or less) .....  
45¢

POD Form 3690 NO INSURANCE COVERAGE PROVIDED—  
July 1959 (See other sides)  
NOT FOR INTERNATIONAL MAIL

POD 1279 2-337448



POST OFFICE DEPARTMENT  
**CERTIFICATE OF MAILING**

Received from  
Scott, Vanbus & Rutherford  
Pipestone Firm  
50164

One piece of ordinary mail addressed to:  
Rent Contest  
Box 1 Murray Hill Station  
NY 10016

MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE  
FOR INSURANCE. — POSTMASTER

POD FORM 3617  
NOV. 1959

*[Handwritten signature over the stamp]*

\* 619-1215 2-14-1971

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S).  
REQUIRED FEE(S) PAID.

Show to whom, date and address  
where delivered       Deliver ONLY  
to addressee

RECEIVED  
Received the numbered article described below.

REGISTERED NO.	SIGNATURE NAME OF ADDRESSEE (Must always be filled in)
CERTIFIED NO.	<i>Kent L. Thiel</i>
ROUTED BY	NUMBER OF ADDRESSEES RECEIVED, IF ANY
DATE RECEIVED	SHOW NAME, ADDRESS (only if different)

*Kent L. Thiel*

00493327

RELEASE

In consideration of the sum of Two Thousand Dollars (\$2,000.00) to be paid by LORILLARD, A DIVISION OF LOEWS THEATRES, INC., Mrs. D.E. Blackburn of \_\_\_\_\_ (name) \_\_\_\_\_ (street) releases and forever

(city, state and zip) discharges for himself/herself and his/her heirs, executors, and administrators and assigns, LORILLARD, A DIVISION OF LOEWS THEATRES, INC.; LOEWS THEATRES, INC.; and BLUE RIBBON PROMOTIONS, INC., and their agents, employees, representatives, successors and assigns, from any and all manner of actions, causes of action, suits, debts, damages, judgments, claims and demands whatsoever which he/she may have or have had, against LORILLARD, A DIVISION OF LOEWS THEATRES, INC.; LOEWS THEATRES, INC.; and BLUE RIBBON PROMOTIONS, INC. and their agents, employees, representatives, successors and assigns, upon or by reason of the sponsoring, advertising, promoting, conducting or judging of the Kent Castle Contest or any other matter in connection with or arising from such Contest.

The undersigned represents that he/she was at the time of entering the Contest over 21 years of age, a resident of the United States and not an employee or a member of the family of an employee of Lorillard or of its advertising and promotion agencies, and acknowledges that his/her liability for taxes is his/her sole responsibility.

This release becomes effective upon endorsement of a check in the amount of \$2,000.00 to be issued by Lorillard.

IN WITNESS WHEREOF, I have signed this instrument this \_\_\_\_\_ day of \_\_\_\_\_, 1975.

\_\_\_\_\_  
(name)

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_  
SS:

On the \_\_\_\_\_ day of \_\_\_\_\_, 1975, personally came before me and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

00494682

In consideration of the sum of Two Thousand Dollars (\$2,000.00) to be paid by LORILLARD, A DIVISION OF LOEWS THEATRES, INC., DEBORAH EDDY of \_\_\_\_\_  
(name) \_\_\_\_\_ (street)

releases and forever

(city, state and zip)

discharges for himself/herself and his/her heirs, executors, and administrators and assigns, LORILLARD, A DIVISION OF LOEWS THEATRES, INC.; LOEWS THEATRES, INC.; and BLUE RIBBON PROMOTIONS, INC., and their agents, employees, representatives, successors and assigns, from any and all manner of actions, causes of action, suits, debts, damages, judgments, claims and demands whatsoever which he/she may have or have had, against LORILLARD, A DIVISION OF LOEWS THEATRES, INC.; LOEWS THEATRES, INC.; and BLUE RIBBON PROMOTIONS, INC. and their agents, employees, representatives, successors and assigns, upon or by reason of the sponsoring, advertising, promoting, conducting or judging of the Kent Castle Contest or any other matter in connection with or arising from such Contest.

The undersigned represents that he/she was at the time of entering the Contest over 21 years of age, a resident of the United States and not an employee or a member of the family of an employee of Lorillard or of its advertising and promotion agencies, and acknowledges that his/her liability for taxes is his/her sole responsibility.

This release becomes effective upon endorsement of a check in the amount of \$2,000.00 to be issued by Lorillard.

IN WITNESS WHEREOF, I have signed this instrument this \_\_\_\_\_ day of \_\_\_\_\_, 1975.

\_\_\_\_\_  
(name)

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_  
} SS:

On the \_\_\_\_\_ day of \_\_\_\_\_, 1975,  
personally came before me and acknowledged to me that he/she  
executed the same.

\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

00494727

I am the same Elizabeth Corrigan who, in approximately May of 1971, resided in Owings Mills, Maryland. My exact residence address at that time was 22 KINGSLEY ROAD (Street)  
OWINGS MILLS (City)      MARYLAND (State)      21107 (Zip).

-- My current home address is 7576 RIDGE ROAD (Street)  
MARRIOTTSVILLE (City)      MARYLAND (State)      21104 (Zip).

I am not the Elizabeth Corrigan who, in approximately May of 1971, resided at Owings Mills, Maryland.

00494760

I am the same who, in  
approximately May of 1971, resided in  
My exact residence address at that time was \_\_\_\_\_  
(Street)

\_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip)

-- My current home address is \_\_\_\_\_  
(Street)

\_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip)

I am not the who, in approximately  
May of 1971, resided at

00494660

NEW YORK 10017, AUGUST 12 1975

**LORILLARD**

200 EAST 42nd STREET

TO LINDA B. LAWRENCE

54 WEST 57 STREET

NEW YORK, NEW YORK 10019

GRAND PRIZE AWARD - KENT CASTLE

CONTEST REJUDGING

2,000 00 2,000 00

00494959

2MM NO. P.O. 1919 LT-11-70

NEW YORK 10017,

AUGUST 12

19 75

**LORILLARD**

200 EAST 42nd STREET

MRS. R. H. DAVIS

1135 N. 76TH STREET

SEATTLE, WASHINGTON

GRAND PRIZE AWARD - KENT CASTLE

CONTEST REJUDGING

2,000 00      2,000 00

00494962

NEW YORK 10017, AUGUST 4 1975

LORILLARD

200 EAST 42nd STREET

TO CLIFFORD BERGLIN

25 HOWARD GNESEN ROAD

DULUTH, MINNESOTA 55811

GRAND PRIZE AWARD - KENT CASTLE

CONTEST REJUDGING

2,000 00 2,000 00

00494994

NEW YORK 10017

JULY 30

-19- 75

LORILLARD

200 EAST 42nd STREET

TO PETER TRAPANI

17231 N. W. 53 PLACE

**OPA-LOCKA, FLORIDA 33055**

00495012

## CLAIM INVESTIGATION

CONFIDENTIAL

Acct. No. 47991  
12-29-75 23 18

Claim, Pol. # and/or Assured's Name

N.S.



REQUESTOR

Arthur Stevens

WILLIAMS, PAULA (MRS.)

Cranbury, N.J., 116B Northgate Apartments

Address any additional  
instructions to

Haddonfield

BRANCH OFFICE

If you wish to discuss  
on phone, call

4-29-8704

(Area code &amp; Branch Office phone no.)

Location Claim

Type Report

Date of birth  
or age

N.S.

Date(s) of this investigation

12-23-75

## 1. STATUS:

- A.  **ACKNOWLEDGEMENT:** Your \_\_\_\_\_ Claim request dated \_\_\_\_\_ was received on \_\_\_\_\_ If possible, final report will be sent on or before \_\_\_\_\_. (Explain below any mail or other irregular delay encountered thus far.)
- B.  **PARTIAL REPORT:** A partial report is included covering our findings to date. If possible, final report will be sent you on or before \_\_\_\_\_.
- C.  **CASE IS STILL PENDING:** An Acknowledgement or Partial Report was last sent you on \_\_\_\_\_ If possible, final report will be mailed to you on or before \_\_\_\_\_. (Give reason for delay below.)
- D.  **FINAL REPORT:** Investigation by this office is being closed with this report.
- E.  **TRANSFER CASE:** You will receive (or may have already received) report(s) from our \_\_\_\_\_ Office(s).

2. CIRCUMSTANCES: Give brief resume of pertinent information such as date of issue or loss, date of disability, amount & nature of disability or loss. (If circumstances previously given, so state; do not repeat. If customer request contained in letter, refer to date of letter & writer without repeating entire letter. Do NOT repeat any special attention points here.)

**Subject of this investigation is a contest winner. Customer has already traced Post Office sources, to no avail. Locate subject's present residence.**

3. CLAIM OR UNDERWRITING HISTORY (Give all Claim History. Give Life and Health Underwriting History to Life and Health Accounts only—NOT to Claim or Loss Accounts. Auto Insurance history may be given to all accounts. If already given, so state; do NOT repeat. Do NOT give digest or summary of any underwriting reports.)

Date	Name & Address of Company	Type Report	Claim, Pol. #, etc.
------	---------------------------	-------------	---------------------

Yes →

No

**RESULTS:** We have not been able to identify subject's present residence or obtain any personal information on her. Subject apparently moved from this address over 4 years ago, we found no leads available as to her present whereabouts.

**ASSETS-INCOME:** Not available.

**STEPS TO LOCATE:** Upon going to the above address we found it to be the Northgate Apartments, on One Mile Road, in Cranbury, N.J. We first contacted the superintendent of the apartments but he advised us that he had no personal knowledge of your subject could not recall her, in any manner, and stated that he has no records available on the party that rented this apartment prior to the current tenants. He only had the name of the current tenant in this apartment. He referred us to contact the Reinhold Realty Agency, in Trenton, N.J., who would keep the records on former tenants. We then contacted a secretary at this agency, and she stated that she could not locate any rental application or folders on your subject showing her being a former tenant of this apartment. She advised us that she would need to know approximately when the claimant moved from this apartment in order that she may check further. We then

00496787

Dear \_\_\_\_\_:

We refer to the Kent Castle Contest which Lorillard sponsored in 1971.

We are pleased to inform you that your entry in the Contest has been certified to us by the judging organization as a grand prize winner, following the rejudging of the Contest by Blue Ribbon Promotions, Inc.

As you may know, Lorillard agreed to have the Contest rejudged, when questions with respect to the original judging, performed by an independent judging organization, were raised. The results of the rejudging, which was conducted pursuant to consent agreements with the Federal Trade Commission and the Attorney General of the State of New York, have now been certified to us.

Since much time has elapsed since the award of the original grand prizes, which consisted of package trips to England, the consent agreements specified that: "Lorillard shall award prizes in the amount of \$2,000 each to each of the winners so certified by Blue Ribbon, which winners have not previously been awarded a grand prize as a result of the winning of the Kent Castle Contest."

Please sign and return the enclosed release and your current address if it differs from that on the envelope enclosing this letter. You will recall that the entry blank in the Contest stated: "Liability for taxes is sole responsibility of the individual winners." This statement is reflected in the enclosed release. When we receive your signed release, we will promptly forward your prize check. Therefore, your prompt return of the enclosed release will be appreciated.

Very truly yours,

Arthur J. Stevens

CC: Federal Trade Commission  
New York Attorney General

00556839

REGISTRATION STATEMENT  
GAMES OF CHANCE IN CONNECTION  
WITH SALE OF COMMODITIES

FORM G 110-220 (9/71)

OFFICE USE ONLY

READ REVERSE CAREFULLY BEFORE FILING THIS STATEMENT

NAME AND ADDRESS OF PERSON, FIRM OR CORPORATION proposing to engage in game, contest or promotion:  
Charlie Robson, Executive Director of Met P.G.A.

c/o Wykagyl Country Club  
1195 North Avenue

New Rochelle, New York 10804

1. Geographic area in New York State covered by promotion:  
(List by county, if not state wide)

Statewide

1. Time Period covered by contest:

Beginning April 28, 1980

Ending May 28, 1980

5. Minimum number of participating objects to be made available in New York State:

3,500

6. Minimum number of prize-winning objects included in plan in New York State:

2

8. Minimum value of prizes to be made available in New York State:

\$1,500

3. Description of game, contest or promotion:  
(Not necessary if provided by your Rules and Regulations)

7. Proportionate opportunity of winning prizes:

Level of Prize	Proportionate Opportunity
Two first prizes of a Pro-Am package worth \$750.	1 in 1750

9. Form Submitted by:

Name Charlie Robson Relationship to Firm Executive Director  
Address c/o Wykagyl Country Club; 1195 North Ave Date April 14, 1980  
New Rochelle, New York 10804

Signature X Charlie Robson

FILING INSTRUCTIONS

Please submit this completed statement to the MISCELLANEOUS RECORDS UNIT, N.Y. DEPT. OF STATE, 162 WASHINGTON AVE., ALBANY, NEW YORK 12225 with Filing Fee of \$50. (Please make check payable to N. Y. Department of State.) Fee is non-refundable.

Attach:

- Certificate of Deposit of prize monies in a trust account or Surety Bond for total prize amount.
- Rules and Regulations pertaining to the promotion, advertising scheme or plan

00562763

*Novel Tobacco*

Patent No. 1173770

Foreign Application  
10 August 1966

Date of Patent 23 December 1966

Date of Sealing 8 April 1970



Elizabeth the Second by the Grace of God of the United Kingdom of Great Britain and Northern Ireland and of Her other Realms and Territories Queen, Head of the Commonwealth, Defender of the Faith: To all to whom these presents shall come greeting:

WHEREAS a request for the grant of a patent has been made by Lorillard Corporation, of 100 West Tenth Street, Wilmington, Delaware, United States of America, a Corporation organised under the laws of the State of Delaware, United States of America,

for the sole use and advantage of an invention for  
Improvements in tobacco products:

AND WHEREAS We, being willing to encourage all inventions which may be for the public good, are graciously pleased to condescend to the request:

KNOW YE, THEREFORE, that We, of our especial grace, certain knowledge, and mere motion do by these presents, for Us, our heirs and successors, give and grant unto the person(s) above named and any successor(s), executor(s), administrator(s) and assign(s) (each and any of whom are hereinafter referred to as the patentee) our especial licence, full power, sole privilege, and authority, that the patentee or any agent or licensee of the patentee and no others, may subject to the conditions and provisions prescribed by any statute or order for the time being in force at all times hereafter during the term of years herein mentioned, make, use, exercise and vend the said invention within our United Kingdom of Great Britain and Northern Ireland, and the Isle of Man, and that the patentee shall have and enjoy the whole profit and advantage from time to time accruing by reason of the said invention during the term of sixteen years from the date hereunder written of these presents: AND to the end that the patentee may have and enjoy the sole use and exercise and the full benefit of the said invention, We do by these presents for Us, our heirs and successors, strictly command all our subjects whatsoever within our United Kingdom of Great Britain and Northern Ireland, and the Isle of Man, that they do not at any time during the continuance of the said term either directly or indirectly make use of or put in practice the said invention, nor in anywise imitate the same, without the written consent, licence or agreement of the patentee, on pain of incurring such penalties as may be justly inflicted on such offenders for their contempt of this our Royal command, and of being answerable to the patentee according to law for damages thereby occasioned:

PROVIDED ALWAYS that these letters patent shall be revocable on any of the grounds from time to time by law prescribed as grounds for revoking letters patent granted by Us, and the same may be revoked and made void accordingly:

PROVIDED ALSO that nothing herein contained shall prevent the granting of licences in such manner and for such considerations as they may by law be granted: AND lastly, We do by these presents for Us, our heirs and successors, grant unto the patentee that these our letters patent shall be construed in the most beneficial sense for the advantage of the patentee.

IN WITNESS whereof We have caused these our letters to be made patent  
as of the twenty-third day of December  
one thousand nine hundred and sixty-six

*Edward Anthony  
Secretary*

Controller-General of Patents,  
Designs, and Trade Marks.



0456305

FEE: £2 10s.

(FOR OFFICIAL USE)

## PATENTS ACTS, 1949 to 1961

Claim under Section 17(1) to proceed as an applicant or co-applicant

(a) State name of claimant(s).

I/WE (\*) LORILLARD CORPORATION

(b) State the number and date of the application for patent.

hereby request that the Patent application No. (\*) 57652/66

dated

(c) State name of the applicant or applicants for patent.

made by (\*) P. LORILLARD COMPANY

(d) Insert (in full) name, address and nationality of the person or persons in whose name(s) it is requested that the application shall proceed.

may proceed in the name(s) of (\*) LORILLARD CORPORATION

of 100, West Tenth Street, Wilmington, Delaware,  
United States of America, a Corporation organised

under the laws of the State of Delaware, United States of America.

(e) Give the particulars of such document, giving its date and the parties to the same, and showing how the claim here made is substantiated.

We claim to be entitled to proceed as applicant(s) for the patent  
by virtue of (\*) an Agreement of Merger between P.  
Lorillard Company and Lorillard Corporation the  
effective date of which is 1st August 1960.

(f) State the nature of the document. The certified copy should be written, typewritten or printed on foolscap paper.

And in proof whereof (I/We) transmit the accompanying  
(f) Certified copy of the agreement of merger.(g) The address must be within the United Kingdom.  
(h) Delete if not applicable.  
(i) To be signed by claimant(s).Communications should be sent to Elkington and Fife  
at (\*) High Holborn House, 52/54, High Holborn, London W.C.1  
England

(k) Who is/are hereby appointed to act for me/us.

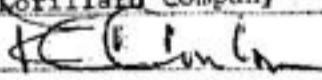
\*(l) Lorillard Corporation

By:   
Secretary

(l) To be signed by the applicant(s).

\*(m) I/We consent to the above request.

P. Lorillard Company

By:   
Assistant Secretary

06563316

\*Where any signatory to this Form is signing on behalf of a body corporate, the capacity in which he signs should be stated (in English) after his signature.

To the Controller,  
The Patent Office, 25 Southampton Buildings,  
Chancery Lane, London W.C.2.1.1.1  
1416 D 1969 104 106, E.P. Op. 62

BROWN & WILLIAMSON TOBACCO CORPORATION

## TRAVEL SCHEDULE

TO: DR. R. A. SANFORD

DATE: APRIL 27, 1983

CC: Treasurer  
Mr. K. St. Charles

ITINERARY OF: MR. K. ST. CHARLES/jm/01981/#322

<u>DATE</u>	<u>DESTINATION</u>	<u>TIME</u>	<u>FLIGHT NO.</u>	
		<u>LEAVE</u>	<u>ARRIVE</u>	<u>(Other)</u>
5/3/83	Atlanta	3:30 pm	4:34 pm	Delta 1599
	Asheville	5:45 pm	6:45 pm	ASE 706
5/4/83	Atlanta	7:00 pm	8:00 pm	ASE 707
5/5/83	Louisville	7:22 pm	8:35 pm	Delta 568

HOTEL OR  
OTHER

**ADDRESS:** Imperial Motor Lodge      Mariott  
Brevard, N.C.      Atlanta, Ga.  
704-884-2887      404-394-6500

**PURPOSE OF  
TRIP:** To visit Ecusta and Schweitzer.

**Signature**

650564006

SEP 4 1980

**CONFERENCE  
REPORT**

COPIES: MS. DONNA SENGELAUB - B&W (9)

CLIENT: BROWN & WILLIAMSON TOBACCO CORPORATION

DATE OF CONFERENCE: August 27, 1980

PLACE OF CONFERENCE: Telephone

REPRESENTING CLIENT: Fran Canary

REPRESENTING AGENCY: Marty Schranz

Aarons	Friend	O'Shea
Albergo	Fryer	Otten
Altares	Gorosh	Parker
Alwin	Hannum	Paul
Armbruster	Hendersen (6)	Popp
Arnold	Hendrickson	Rooney
Baer	Itchon	Schranz
Bauer	Kaminski	Stall
Conant	Kappelmeier	Vail
Cooper	Kelly	Vinton
Dearth	Klein	Wigmore
Derech	Lagman	Wilcox, C.
Doherty	Lang	Wilcox, G.
Droska	Macek	Willson
Dubrowski	Mayers	Wojtysiak
Duff	Moy	
Edelstein	Naughton	

B&W 80-121

8/28/80

BROWN & WILLIAMSON MEDIA/PRODUCTION

KOOL FAMILY

1. PURCHASE BACK COVER IN ALI-HOLMES FIGHT PROGRAM

Client directed that the 4th Cover be purchased in the Fight Program for the upcoming Ali-Holmes boxing championship to be held in October, 1980.

Space contract and material should be sent to:

SPORTS RESEARCH ASSOCIATES, INC.  
DON KING SOUVENIR PROGRAM  
c/o Rich Tonn  
5925 Forest Lane  
Suite 124  
Dallas, TX 75230

Phone: (214) 233-4717

A copy of the contract should also be sent to:

Vito Chrzanowski  
c/o Branham  
733 Third Avenue  
New York, NY 10017

Fryer/Albergo/Alwin/  
Kappelmeier/Duff

PLEASE NOTE AND IMPLEMENT

660026187

Submitted by Marty Schranz

/fs

**CONFERENCE  
REPORT**

AUG 25 1980

- COPIES: MS. DONNA SENGELAUB - B&W (9)

CLIENT: BROWN & WILLIAMSON TOBACCO CORPORATION

DATE OF CONFERENCE: August 21, 1980

PLACE OF CONFERENCE: Telephone

REPRESENTING CLIENT: Fran Canary

REPRESENTING AGENCY: Betty Fryer

Aarons	Friend	O'Shea
Albergo	Fryer	Otten
Altares	Gorosh	Parker
Alwin	Hannum	Paul
Armbruster	Hendersen (6)	Popp
Arnold	Hendrickson	Rooney
Baer	Itchon	Schranz
Bauer	Kaminski	Stall
Conant	Kappelmeier	Vail
Cooper	Kelly	Vinton
Dearth	Klein	Wigmore
Derech	Lagman	Wilcox, C.
Doherty	Lang	Wilcox, G.
Droska	Macek	Willson
Dubrowski	Mayers	Wojtysiak
Duff	Moy	
Edelstein	Naughton	

B&W 80-113  
8/22/80

BROWN & WILLIAMSON MEDIA/PRODUCTION

RALEIGH

1. DIRECTION GIVEN TO PURCHASE DECEMBER SPREAD IN BOOK DIGEST.

Client directed that spread be purchased in Book Digest, to obtain advantageous corporate frequency level.

Albergo  
Alwin  
Henrickson  
Moy  
Rooney  
C. Wilcox

PLEASE NOTE & IMPLEMENT.

ORIGINAL

APPROVED

Submitted by Betty Fryer

/Es

ok JF 8/25

660026197

**CONFERENCE  
REPORT**

AUG 25 1980 COPIES: MS. DONNA SENGELAUB - B&amp;W (9)

CLIENT: BROWN &amp; WILLIAMSON TOBACCO CORPORATION

DATE OF CONFERENCE: Week of 8/14/80 - 8/20/80

PLACE OF CONFERENCE: Telephone

REPRESENTING CLIENT: Fran Canary

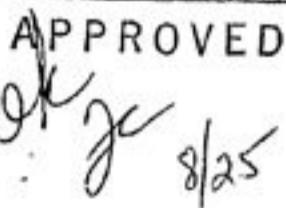
REPRESENTING AGENCY: Donna Albergo/Betty Fryer

Aarons	Friend	O'Shea
Albergo	Fryer	Otten
Altares	Gorosh	Parker
Alwin	Hannum	Paul
Ambruster	Hendersen (6)	Popp
Arnold	Hendrickson	Rooney
Baer	Itchon	Schranz
Bauer	Kaminski	Stall
Conant	Kappelmeier	Vail
Cooper	Kelly	Vinton
Dearth	Klein	Wigmore
Derech	Lagman	Wilcox, C.
Doherty	Lang	Wilcox, G.
Droska	Macek	Willson
Dubrowski	Mayers	
Duff	Moy	Wojtysiak
Edelstein	Naughton	

B&W 80-112  
8/22/80BROWN & WILLIAMSON MEDIA/PRODUCTION

The attached summarizes minor changes/approvals made during the week of 8/14/80 - 8/20/80.

ORIGINAL

APPROVED  
  
 8/25

Submitted by Betty Fryer

/fs  
Attached

660026198

SUPPORT OF CLAIM OF ADVERTISING SUBSTANTIATION

Brand Advertised VICEROY

Advertising Claim Specifications of Used Car

Advertisement in which Claim first appeared

This is not a substantiation of a claim in an ad. This is a substantiation of the used car specifications that will be listed in a consumer brochure.

Ad Name Used Car Offer (VICEROY)

Code # V-MG-73-3

Other \_\_\_\_\_

Source for Claim

VELS-PARNELLI-JONES Ford, Inc.

Person Issuing Information for Support of Claim

Name Vel Miletich

Title President

Department Vels-Parnelli-Jones  
Ford, Inc.

Summary of Data

Attached

Methodology involved in accumulation of Data

Statement by race car owner and manufacturer

Explanation of Results

CC: Mr. R. A. Pittman-Director of Advertising

Person who issued information  
for Support of Claim Statement.

*BTH*  
Brenda T. Henderson  
Asst. Brand Manager

4/19/73  
Date

*Z Pepple*  
Representative of  
Law Department

4-23-73  
Date

**660046926**

D MR 2743 R

COPY TEST REQUEST

- 1) R.O. Wart
- 2) R. D. Lewis
- 3) R. J. Pellegrini
- 4) D. Schenck

TO BE FILLED IN BY BRAND MANAGER

Date August 10, 1977

Brand KOOL

Style 84mm ( ) 90mm ( ) Filter ( )  
Advertised 90mm ( ) Menthol (X)  
Both (X) Both ( )

Agency Bates

COPY DESCRIPTION:

Title Cobble Falls

Code # K-M-77-28

Size & Color Page (Bleed) 4/color

SCHEDULING:

Magazine: Date prints available in Los Angeles 8/29 (test 9/6)

Newspaper: Date of first possible insertion

Sunday Supplement: Date of first possible insertion

Outdoor: Date board available in Los Angeles

TYPE OF TEST:

Full Test (X) Screening Test ( ) Other ( ) (Please detail in comments)

Standard Service ( ) Refocus (X) Date Objectives Available: 8/9/77

Vehicle in which testing (if magazine - specify): TIME

Unless otherwise specified, the test will be conducted among white male  
and female smokers:

Full sample of black male and female menthol smokers.

COMMENTS:

REQUESTED BY:

*Robert G. Yizar*

R. G. Yizar

TO BE FILLED IN BY MARKETING RESEARCH

Project #

Magazine: Week of Testing:

Newspaper:

City

Paper(s)

Insertion

Date

Top-Line Scores:

COMMENTS:

680072092

THE ROCKEFELLER UNIVERSITY  
1230 YORK AVENUE, NEW YORK, N.Y. 10021

*Cig & Bat for  
efforts - Ross  
Rockefeller  
(cont)*

THE ROCKEFELLER UNIVERSITY GRATEFULLY ACKNOWLEDGES A GIFT OF

\$70,000.00, by check dated March 8, 1984, representing a contribution by  
the Brown & Williamson Tobacco Corporation in support of the general  
operating budget of the institution.

*Joshua Lederberg*  
JOSHUA LEDERBERG  
PRESIDENT

*David J. Lyons*  
DAVID J. LYONS  
TREASURER

DATE  
March 15, 1984

*Contributions are tax deductible in the manner and to the extent provided by law.*

521033560

**BROWN & WILLIAMSON TOBACCO CORPORATION**  
**PRODUCTION MATERIAL TRANSMITTAL FORM**

The following materials have been:  Mailed  Delivered

TO: B&W Name PKG Name BATES P. Weinheimer OTHER Name Name

FROM:B&W P. Feltes PKG \_\_\_\_\_ BATES \_\_\_\_\_ OTHER \_\_\_\_\_  
Name Name Name Name

BRAND      ITEM      DESCRIPTION      B & W NUMBER      PKG NUMBER

KOOL Mechanicals Hey, I Know/Ebony K-M-77-41--Hey, I Know/Jet K-M-77-41

Hey, I Know/Time K-M-77-41--Hey, I Know/Supplement K-SS-77-16--Wouldn't

Have It/Supplement K-SS-77-17--Wouldn't Have It/Time K-M-77-39--Wouldn't Have

It/Jet K-M-77-39--Wouldn't Have It / Ebony K-M-77-39--Look, No Other/Supplement

K-SS-77-15--Look, No Other K-M-77-43--Look, No Other/Jet K-M-77-43--

Look, No Other/Time K-M-77-43

670060535

Date sent/delivered: 10/18/77 by: Lynn T. 2-28 Pam Feltes

Date received: 10/20/77 by: J.P.

~~PLEASE RETURN WHITE ORIGINAL TO SENDER AND RETAIN BLUE COPY FOR YOUR FILES.~~

BROWN & WILLIAMSON TOBACCO COMPANY  
PRODUCTION MATERIAL TRANSMITTAL FORM

The following materials have been:  Mailed  Delivered

TO: B&W PKG Name BATES P. Weinheimer OTHER Name

FROM: B&W P. Feltes PKG Name BATES Name OTHER Name

BRAND      ITEM      DESCRIPTION      B&W NUMBER      PKG NUMBER

KOCL Mechanicals Hey, I Know/Ebony K-M-77-41--Hey, I Know/Jet K-M-77-41

Hey, I Know/Time K-M-77-41--Hey, I Know/Supplement K-SS-77-16--Wouldn't

Have It/Supplement K-SS-77-17--Wouldn't Have It/Time K-M-77-39--Wouldn't Have

It/Jet K-M-77-39--Wouldn't Have It/Ebony K-M-77-39--Look, No Other/Supplement

K-SS-77-15--Look, No Other K-M-77-43--Look, No Other/Jet K-M-77-43--

Look, No Other/Time K-M-77-43

670060559

Date sent/delivered: 10/18/77 by: P. Feltes

Date received: by:

PLEASE RETURN WHITE ORIGINAL TO SENDER AND RETAIN BLUE COPY FOR YOUR FILES.

BROWN & WILLIAMS/TABACCO CORPORATION  
FIELD MANAGER'S WEEKLY NARRATIVE

NAME			DEPT. NO.	FOR WEEK ENDING	
R. D. TAMBURRO			16	JANUARY 28, 1977	
WORKED WITH:					
MON	TUES	WED	THURS	FRI	SAT/SUN
a.m. Meeting- DM's 16P,16R,16S 16T,16U. p.m. Blankenship 16D	H.E. Higgins (H.O.)	T.W. Toombs 16P	a.m. H.F. Smoyer 16A p.m. H.E. Higgins (H.O.)	I.E. Otte 16 V H.E. Higgins	

COMPLETE DIVISION AUDIT (MUR., NO., DATE):

SALES REPS. REPORTS CHECKED (NAME, DIV., DATE):

CHAIN OFFICE CALLS (COMPANY, CITY, DATE):  
1/27/77 - GLASER BROS., LOS ANGELESOBSERVATIONS AND RECOMMENDATIONS - B & WDEPARTMENT 16 FACT REPORT*JEA  
CRB*

An 82% level of retail distribution was attained on FACT from introduction date through the beginning of December 1976. The gaps in distribution were in the smaller, low volume retail outlets and from the 2 chains that refused purchase of both styles.

There does not appear to be much momentum for increased sales in any segment. Supermarket sales of the brand must be regarded overall as fair to poor without any growth being seen. The brand is performing better in non-supermarket outlets, however, sales are spotty. In some drug, liquor and grocery stores the brand appears to have reached maximum sales, leveled out and is holding steady at that point. In the majority of outlets sales appear to be declining rather than growing. To date only one key account has discontinued the brand, however, overtones are being made by other key accounts regarding poor sales. Vending sales to date have been poor.

Initial consumer response regarding taste qualities etc. was good. Low tar and full flavor smokers had similar comments, i.e. "tastes good for a low tar brand". Later responses were different, "after smoking the product for awhile it was harsh, the numbers too high etc."

Unless sales of the brand can be stimulated in the near future we will not be able to hold distribution for a long period of time. Sales of FACT MENTHOL are very poor overall and will not hold distribution for long and could even cause key accounts to drop both styles.

COMPETITIVE COMMENTS

We have received information from a local division of a national vending machine operator of American Tobacco's vending placement offer for the introduction of Tareyton Lights. For each column of this brand the vendor receives \$3.00 per column placement allowance plus one free carton of the brand and \$3.00 per column contract allowance.

January 28, 1977

DATE

R. D. TAMBURRO

SIGNATURE

USE REVERSE SIDE FOR ADDITIONAL B &amp; W/COMPETITIVE COMMENTS

670064145

# GREY ADVERTISING INC. - MEETING REPORT

**CLIENT:** Brown & Williamson

**DATE:** 8/26, 27      **NO.** V82-10

**PRODUCT:** Viceroy

**PLACE:** Brown & Williamson

**PRESENT:** (For the client)

**DATE OF REPORT:** 8/31/82

S. Wallace, B. McCafferty, A. Forsythe, S. Zolper, B. Ryan, I. Brand, D. Faust  
Kapular & Assoc.: S. Kapular, M. Marder  
(For the agency)

S. Dammers, P. Hendricks, D. Burke, A. Madeira, N. Sutton

## SUMMARY:

Written by: P. Hendricks

**CONFIDENTIAL**

The purpose of the two meetings was to review TAT results and agree on next steps for the following campaigns.

"Relax-Revised"

"Goes With the Territory" (Some Men-Revised)

"Multi-Faceted Man" (Rugby/Soccer Player)

"Montage"

"Initials"

It was agreed that we will not pursue "Territory", "Multi-Faceted Man", or "Initials" at this time. "Relax-Revised" and "Montage" will be pursued as follows:

### "Relax-Revised"

"Relax-Revised" will be pursued by developing campaign parameters for pool-outs (in the two-person arena); layouts for pages, spreads, gatefolds, outdoor, and ROP.

Timing: week of 9/6

### "Montage"

The page version will be TAT tested the week of 8/30. Materials will be sent to M. Marder Monday, 8/30.

The Agency will review current layouts and develop alternate layouts to accommodate various headline treatments. Spreads and pages will be reviewed in terms of specific pictures used and a gatefold will be developed.

- Can the visuals accommodate more smoking-appropriate situations and can we include more "macho" imagery.

620121-112

# GREY ADVERTISING INC. - MEETING REPORT

FEB 22 1982

**CLIENT:** Brown & Williamson

**DATE:** 1/19/82 **NO.** V82-2 R1

**PRODUCT:** Viceroy

**PLACE:** Telephone

**PRESENT:** (For the client)

**DATE OF REPORT:** 2/17/82

T. Parrack

(For the agency)

P. Hendricks

## SUMMARY:

Written by: P. Hendricks

**CONFIDENTIAL**

Client confirmed agreement for Agency to pay advance to photographer, with official signed estimate to follow, for Viceroy shoot week of 1/25/82. This was agreed to by T. Parrack and A. Forsythe at the January 18 pre-production meeting.

PH:mg

cc: R. Schoenfein  
S. Dammers  
P. Hendricks

670121460

BROWN & WILLIAMSON TOBACCO CORPORATION  
INVENTORY OF JOBBER'S STOCK - TAX FREE

NAME OF CUSTOMER			DATE OF LAST INVENTORY CHECK			
C. LLOYD JOHNSON						
CITY & STATE			DATE THIS FORM COMPLETED			
NORFOLK, VA.			10. 23. 80			
BRAND AND STYLE (Write In Any Brands Not Listed)	6M & 12M CASES			7M & 12M CASES		
	Qty. Cases/ Ctn.	Code Date	Est. Duration (Weeks)	Qty. Cases/ Ctn.	Code Date	Est. Duration (Weeks)
BELAIR KINGS	10	TM 1-80				
KENT KINGS			6	TA 2-80		
KENT BOX						
KENT DELUXE						
KENT G. L. KINGS	3	TO 9-80				
KENT G. L. 100'S	4	SG 12-80				
KOOL KINGS	52	TO 9-80				
KOOL 100'S	17	SG 12-80				
KOOL INTERNATIONAL						
KOOL SUPER LIGHTS K. S.	7	TO 9-80				
KOOL SUPER LIGHTS 100'S	2	TO 9-80				
KOOL MILDS	6	TO 9-80				
RALEIGH FILTER KINGS	6	TC 1-80				
TRUE	4	TK 4-80				
VICEROY KINGS	7	TM 1-80				
VICEROY 100'S						
VICEROY RICH LIGHTS K. S.						
VICEROY RICH LIGHTS 100'S						
IMPORTED BRANDS						
EMBASSY K S F						
JOHN PLAYER SPECIAL 20'S						
JOHN PLAYER SPECIAL 50'S DRUMS						
STATE EXPRESS F. K.						
555 INTERNATIONAL						
THREE CASTLES						
COMMENTS:			DISTRIBUTION: ORIGINAL - MAIL TO SUPERVISOR DUPLICATE - RETAIN 6 MONTHS			
			NAME STAMP			
			ARTHUR G. ODEN INTERNATIONAL OPERATIONS NORFOLK, VIRGINIA 23462			

670129743

卷之三

TO: AGGIE HILL  
CC: CHARLIE HARRETT  
LORRAINE HAWKINS  
PENNY HUDSON  
RATE UNIT  
SANDEE RAYBORN

CLASS DOCUMENTS

SUBJECT: Address Book - 1992

*(See)* [Bills](#) [Bills by subject](#) [Bills by date](#) [Bills by author](#) [Bills by committee](#)

Please issue an advertising billing for the following complimentary cigarettes. Charge product to account # 7321.

SHIP TO : GOAINDI / GOVINDI  
FROM : SHI  
ENTERPRISE : SHI  
SHIP TO : SHI

DELIVERED  TAXES PAID

Cig. must be  
stamped. H.O.  
to reinforce  
dict.

670150277

BROWN & WILLIAMSON TOBACCO CORPORATION  
1976 MAGAZINE ALLOCATION

Dated: 9-15-76  
Revised: 8-24-76

COVERS AVAILABLE:

7 -BC  
0 -SC  
0 -SC

CIRCULATION: 1,395,086  
AS OF: ABC 12/31/75

SPORT

BRAND	% OF SCH	SCHEDULE												% OF COVERS		
		INSETIONS	PAGES	MG/GRATIS	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
KOOL	26	11	11		X	XS	BC	X	X	X	X	X	BC	G	X	29
VICEROY	21	9	9			X	X	BC	X	X	X	X			X	14
RALEIGH	27	12	12		X	BC	X	X	X	BC	X	X	X	X	X	24
BELAIR	21	9	9		X	X	X			BC	X	X	BC	X	X	28
FACT	5	2	2										X	X		
REGIONAL		(4)	(4)													
FACT																
TOTAL	100	43	43													
MATERIAL CLOSING																
ON SALE DATE:	20th of preceding month															
SPACE CLOSING:	1st of 2nd preceding month - Page 3rd preceding month - Covers															
TEST MKT CLOSING:	One week prior to nat'l closing															
BRAND	BC	2C	2C	INSIDE PAGES	REVISION:											
KOOL	2	-	-	9+1	KOOL - Add Nov. gratis page.											
VICEROY	1	-	-	6												
RALEIGH	2	-	-	10												
BELAIR	2	-	-	7												
FACT	-	-	-	2												

POSITION FRANCHISES & COVER OPTIONS:  
Sept. BC is 1977 franchise.

— —  
XS = 2 page spread  
KOOLOO99

BROWN & WILLIAMSON TOBACCO CORPORATION  
1976 MAGAZINE ALLOCATION

WOMAN'S DAY

CIRCULATION: 8,167,108  
AS OF: A.B.C. 12/31/75

Dated: 9-1-76  
Revised: 8-16-76

1-BC  
0-2C  
COVERS AVAILABLE:

BRAND	% OF SCHED	INSERTIONS	PAGES	MG/GRATIS	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	BERNOV, DEC	% OF COVERS	
KOOL	27	2	3		X	XS											0
BELAIR	55	7	6	1	X		X	MG	X	X	X	X	X	X	BC	100	
FACT	18	2	2												X	X	0
REGIONAL FACT		(1)	(1)														
CUT-INS FACT		(2)	(2)												B	B	
TOTAL	100	11	11	1 MG	10 1/2	10 1/2	13 1/2	11 1/2	2 1/2	2 1/2	3 1/2	4 1/2	5 1/2	6 1/2	7 1/2	8 1/2	9 1/2
MATERIAL CLOSING																	100
ON SALE DATE:					12/17	1/21	2/18	3/15	4/15	5/20	6/15	7/23	8/10	9/7	9/30	10/19	11/16
SPACE CLOSING:					10/16	11/15	12/2	1/17	2/14	3/21	4/14	5/17	6/15	7/14	7/27	8/17	9/14
TEST MKT CLOSING:																	

REVISION: BC 2C 2C INSIDE PAGES  
Adjusted insertion total:  
KOOL - - 3  
BELAIR 1 - - 5+1  
FACT 2  
Note: BELAIR MG is for 11/74 positioning error.

POSITION FRANCHISES & COVER OPTIONS:  
OCTEMBER BC is franchise position  
in 1977. .

67063712



1976

ADVERTISING FLOW CHART  
 BROWN & WILLIAMSON TOBACCO CORPORATION  
 NATIONAL SUNDAY SUPPLEMENT  
 FAMILY WEEKLY

Circulation: 10,700,000  
 As of: rate base

Date: December 29, 1976  
 Revises: October 20, 1976

		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
( ) = spread		4 1 18 25	1 8 15 22 29	7 1 42 1 28 4	1 1 18 25	2 9 1 62 30	0 6 1 32 0	2 7 4 1 18 25	1 8 1 52 22 9	5 1 21 9 26	3 1 0 1 7 24 3 1	7 1 42 1 28	5 1 21 9 26
SUNDAY DATES	PAGES	* M XSK	X	X	X	X	A	A	X	X	X	X	
KOOL	15 (1)		X	X	X	X							
RALEIGH	13	A	X	A	A	X							
FACT	5												
CUT-INS													
PHOENIX-SAN ANTONIO (5)	K	R	R	R	R	R	R	R	R	R	R	R	
CUT - INS													
RALEIGH-MISSOURI	(2)												
FACT	(6)												
KOOL NAT-LITTLE ROCK (6)													
FACT- non-Coupon ATTERSLEE SYRUP, run in (3)	(2)												
TOTAL PCS.	33												
TOTAL PG 3's:	9												
MATERIAL CLOSING	1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2												
SPACE CLOSING (6 weeks)	1/4 2/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2												

REVISION:

PKG MEDIA DEPARTMENT

FACT - Cancel 12/19 pg., add 12/26 pg.  
 REV: A. Page 3 (9)

86894029

\* XS=2 page center spread  
 M=KOOL MILDS  
 C = coupon ad  
 H = except state of Minn.

# CONFERENCE REPORT

COPIES: MR. R. O. STEWART - B&W (9)  
MR. WILLIAM SCHOLZ - Ted Bates

CLIENT: BROWN & WILLIAMSON TOBACCO CORP.

DATE OF CONFERENCE: August 22, 1977

PLACE OF CONFERENCE: Telephone

REPRESENTING CLIENT: Ack Willets

REPRESENTING AGENCY: Mary Jean Bankmann

Arnold	Fryer	Parker
Baer	Grgurich	Popp
Bankmann	Gustafson	Potts
Bauer	Hebel	Reisman
Bloomfield	Itchon	Rooney
Bozek	Johnson, V.	Schrantz
Carter	Kappelmeier	Smith
Clark	Keyes	Stall
Clites	Magness	Vinton
Conant	Mayers	Wilcox
Corbett	McDonough	Williams, W
Derer	Mendez (5)	
Doherty	Myers	
Dubrowski	Myhre	
Duff	O'Shea	
Edelstein	Otten	

B&W 77-116 R1  
8/29/77

## BROWN & WILLIAMSON MEDIA/PRODUCTION

KOOL SUPER  
LIGHTS  
ROP      FIVE (5) NEW MARKETS TO RECEIVE KOOL SUPER LIGHTS COUPON - ROP.

The following newspapers are to receive the 1800 li. 2/C (or 1200 li. 2/C) ROP Coupon Ad for KOOL SUPER LIGHTS. It is to run Monday, August 29, 1977.

Shreveport JOURNAL/TIMES

Louisville COURIER-JOURNAL-TIMES

Omaha WORLD-HERALD

Oklahoma City OKLAHOMAN/TIMES

Des Moines REGISTER/TRIBUNE

Fryer/  
Kappelmeier      Please note and implement the above.

Submitted by Mary Jean Bankmann

/fs

670164738

SA 3850 (11-76) Date 6/14/79

000102205

**DISTRIBUTION OF FIELD SALES LETTERS/MATERIALS**

Date 6/14/99

LETTER NO. AND NAME \_\_\_\_\_ DISTRIBUTION (CIRCLE ONE)

LETTER NO. AND NAME AND/OR ATTACHMENTS										DISTRIBUTION (CIRCLE ONE)									
<input type="checkbox"/> ALL <input type="checkbox"/> CUSTOMER'S (ENVELOPES PROVIDED)										<input type="checkbox"/> ONLY THOSE LISTED BELOW <input type="checkbox"/> ALL EXCEPT THOSE LISTED BELOW									
<b>#55-945</b> <i>Rich Lights Net'l Media Support</i>										<input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20									
										<input type="checkbox"/> 11 <i>HABCD.VEG.E</i> <input type="checkbox"/> 12 <i>BBC.DNS.TV.U</i> <input type="checkbox"/> 13 <i>BBC.DNS.TV.U</i> <input type="checkbox"/> 14 <i>BBC.DNS.TV.U</i> <input type="checkbox"/> 15 <i>C.D.G.</i>									
DISTRIBUTION (CIRCLE ONE)										Duty Free IOSS/IORS    ATTACHED LIST									
<b>#65-947</b> <i>Hotel Joy Festival Postponed</i>										<input type="checkbox"/> ALL <input type="checkbox"/> CUSTOMER'S (ENVELOPES PROVIDED)									
										<input type="checkbox"/> ONLY THOSE LISTED BELOW <input type="checkbox"/> ALL EXCEPT THOSE LISTED BELOW									
										<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20									
DISTRIBUTION (CIRCLE ONE)										Duty Free IOSS/IORS    ATTACHED LIST									
<b>The Convenience Store Report</b> <i>Shoe Notes</i>										<input type="checkbox"/> ALL <input type="checkbox"/> CUSTOMER'S (ENVELOPES PROVIDED)									
										<input type="checkbox"/> ONLY THOSE LISTED BELOW <input type="checkbox"/> ALL EXCEPT THOSE LISTED BELOW									
										<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20									
DISTRIBUTION (CIRCLE ONE)										Duty Free IOSS/IORS    ATTACHED LIST									
<b>SV-13 + SV-14</b> <i>printout</i>										<input type="checkbox"/> ALL <input type="checkbox"/> CUSTOMER'S (ENVELOPES PROVIDED)									
										<input type="checkbox"/> ONLY THOSE LISTED BELOW <input type="checkbox"/> ALL EXCEPT THOSE LISTED BELOW									
										<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20									

670200955

BM 4550

BROWN & WILLIAMSON TOBACCO CORPORATION  
PROMOTION FULFILLMENT DATA SHEET

KOOL - 44-0405  
BARCLAY - 58-0401  
BELAIR - 10-0401  
RALEIGH - 45-0408  
VICKEROY - 52-0408

TO:  Charlotte Smith  
 Nancy Spriggs

Promotion No. G1105  
Master Budget Code No. 461 -  
Duel # 353

Date of Request November 8, 1983 Date Information Needed A.S.A.P.  
Requestor R.M. Grimes Product \_\_\_\_\_  
Offer:  Store Coupon  Refund  Self Liquidator  Premium  Sweepstakes  
 Other  
Promotion Description: Military Multi-brand Sampling - December

Donnelley Coupon Code # 700.0  Mail-in Offer

Address \_\_\_\_\_

Send Materials to: (See "A" on reverse)

Offer Terms

Store Coupon: Face Value \$2.00 Expiration Date (optional) NONE

Refund/Premium/Liquidator:  
Certificate Required  Yes  No Expiration Date \_\_\_\_\_  
Cost to Consumers \_\_\_\_\_ Refund Value \_\_\_\_\_  
Limitation One per Name or Address (Other) \_\_\_\_\_

A. Original Offer (See "B" below for follow up offer)

Distribution:

Type	Offer Code *	Quantity	Projected Redemption	Redemption Percent	Redemption Dollars	Start Date
ROP						
Sunday Supp						
Magazine						
FSI	KOOL	6510	5651	90%	\$ 11,718	11/26/83
Direct Mail	RALEIGH	1960	1134	90%	\$ 2,268	"
Sampling	VICKEROY	1050	945	90%	\$ 1,890	"
POP	BARCLAY	945	850	90%	\$ 1,700	"
Handout	BELAIR	735	662	90%	\$ 1,324	"
Other						

\* Additional Codes (See "C" on reverse)

B. Follow-up Offer (Description) \_\_\_\_\_

Origination Promotion No. \_\_\_\_\_ Send Materials to: (See "B" on reverse)

Customer History: (Capture on 9 track 1600 BPI Magnetic Tape)

Name, Address & Telephone Number  Age  Other \_\_\_\_\_

Refund Amount \$ \_\_\_\_\_, \$ \_\_\_\_\_

Proofs of Purchase  100's  Kings  F.O. Box  70 mm  Other \_\_\_\_\_

Competitive Proofs of Purchase (See "D" on reverse)

Reports Required:

Activity Report:  Weekly  Bi-weekly  Monthly

State Breakdown (Required for merchandise only)

Special Report (Geographical, TA, etc.) \_\_\_\_\_

Final Tapes (end of offer)  Other Tapes (Specific Timing) \_\_\_\_\_

Special Servicing Required:

Duplicate Elimination  Packaging  Inserts (Specify) \_\_\_\_\_

CC: Brand Management: C.E. Smoot, Jr.; T.J. Mooring; M.L. Cortwright; R.A. Veatch;

Brand Group Contact: JIM HENDRICKS

Purchasing: D.N. Kremer; A.J. Stewart

General Accounting: A. Foust

670217006

O → Alkalate ad (Note: Two ads  
additional ads will be used)

BROWN & WILLIAMSON TOBACCO CORPORATION

VICEROY RICH LIGHTS - LITTLE ROCK, ARKANSAS

SUPPLY DATES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
NATIONAL SUPPLEMENT	1 4 15 21	5 12 19 25	5 12 19 25	2 9 16 23 30	7 13 21 28	4 11 18 25	2 9 16 23 30	6 13 20 27	3 10 17 24	1 8 15 22	5 12 19 26	3 10 17 24
Parade P.4/C INS.	3											
Family Weekly	5											
MAGAZINES P.5/C Bleed												
Newsweek	9											
Mechanix Illustrated	2											
Field & Stream	2											
Popular Science	1											
Sport	2											
Sports Illustrated	1											
U.S. News & World Report	8											
Time	1											
30-SHEET 100 GRP'S- 31 Panels												
50 GRP'S-16 Panels												
PAINT 49 - 1 Permanent												
Hi-Fi - P.5/C												

Hi-Fi - Arkansas DEMOCRAT

R = Regional 3 ads per week (Mon., Wed., Fri.)  
X = Cut-In 2 ads per week (Wed., Fri.)

Arkansas GAZETTE

3 ads per week (Tues., Thurs., Fri.)  
2 ads per week (Tues., Thurs.)

PGC MEDIA DEPARTMENT

April 24, 1978

670247732

**SED AUTHORIZATION**

RDL  
sw

Marketing Research Authorization  
(Recommended Proposal Attached)

#### **PROJECT DESCRIPTION:**

## VRL Competitive Opportunity and User Profile Study

REQUESTED BY:

VICEROY Brand Group

#### COMPETITIVE PROPOSAL OBTAINED:

<u>Supplier</u>	<u>Cost</u>
Norsearch International	\$23,000 *

Total Study Cost = \$52,000

\*Additional Costs to be authorized due to changes in study design.

**RECOMMENDED SUPPLIER:**

Norsearch International

REASONS FOR RECOMMENDATION: This study was originally authorized at \$29,000 to be conducted by Norsearch. Due to major revisions in the Sample and study design (previously N=1200 composed of 500 VRL/200 VIC/500 general population smokers; currently N=1300 composed of 11 individual brands) the additional funds are requested.

SUBMITTED BY: S. A. Kightlinger  
DA PG: S. A. Kightlinger  
November 9, 1979

APPROVAL: *[Signature]*

DATE: November 9, 1979 ✓

DATE: 11-9-79

PROJECT # 79-153

Original: Project File  
CC: Supplier File

67025996

CONFERENCE  
REPORT

COPIES: MS. DONNA SENGEAUB - B&W (9)  
MR. THOM GRANT - McCann-Erickson

CLIENT: BROWN & WILLIAMSON TOBACCO CORPORATION

DATE OF CONFERENCE: November 27, 1979

PLACE OF CONFERENCE: Telephone

REPRESENTING CLIENT: Fran Canary

REPRESENTING AGENCY: Donna Albergo

Albergo	Edelstein	O'Shea
Altares	Fern	Otten
Alwin	Friend (6)	Parker
Armbruster	Fryer	Paul
Arnold	Gorosh	Popp
Baer	Hannum	Rooney
Bankmann	Hebel	Schranz
Bauer	Itchon	Stall
Brown	Jarmaillo	Vail
Conant	Kappelmeier	Vinton
DeLeoleos	Kohn	Wilcox, C.
Derech	Lang	Wilcox, G.
Doherty	Macek	Williams
Droska	Mayers	Willson
Dubrowski	Moy	
Duff	Murphy, B.	

B&W 79-244  
11/27/79

BROWN & WILLIAMSON MEDIA/PRODUCTION

V. RICH LIGHTS

1. PLAYBILL TO RUN SIX (6) PAGES IN 1980.

Client directed agency to schedule six (6) insertions for the first half of 1980, (January thru June) in PLAYBILL.

Fryer/  
Alwin/  
O'Shea

PLEASE NOTE AND IMPLEMENT.

Submitted by Donna Albergo

/fs

670288976

**BROWN & WILLIAMSON TOBACCO CORPORATION**  
**MATERIAL SPECIFICATION OR DESIGN**  
**CHANGE AUTHORIZATION**

**NEW ITEM**DESCRIPTION VICEROY Rich Lights 100's 20's LabelBRAND(S) VICEROY Rich LightsDESIGN NO. 81-257 UPC NO. 272972 MATERIAL NO. 50-034A

TYPE CHANGE: USE:

 OFFICIAL     TEMPORARY     DOMESTIC     MILITARY EXPORT     GENERAL EXPORT     CUSTOMER SPEC. (GRAVURE)
Is a material or dimensional change also involved?  YES  NO

If yes, supply details:

BRANCH	LOUISVILLE	PETERSBURG	MACON	WINSTON SALEM
SCHEDULE: DATE OR INVENTORY DEPLETION	10/30/81			
DELIVERY DATE	10/16/81			

**REPLACEMENT**DESCRIPTION VICEROY Rich Lights 100's 20's LabelDESIGN NO. 80-15 UPC NO. 272972 MATERIAL NO. 50-034

BRANCH	LOUISVILLE	PETERSBURG	MACON	WINSTON-SALEM
INVENTORY DEPLETION DATE	10/30/81			

**COMMENTS:** Material #50-034A has been assigned to the VICEROY Rich Lights 100's 20's Label with new bottom panel. Bottom now incorporates shield. On both side and bottom panels, "VICEROY" and "Rich Lights" have been inverted. Cartons and labels must change design simultaneously. The current design cannot be used in production after 10/30/81.

Copies to: J. F. Banks  
 C. Lamb  
 C. L. Domeck  
 J. W. Webb  
 L. C. Lanham  
 Branch QC  
 Branch Supply

680115980

SIGNED: S. T. Beasley /JF DATE: 9/17/81

S. T. BEASLEY (MRS.)/jlf

POST • KEYES • GARDNER INC

ADVERTISING

BROWN & WILLIAMSON TOBACCO CORPORATION

Schedule Page # 2 - Rev. # 11

Dated: August 15, 1979

Part of Contract # 161

Dated: 1979

Publication NEWSWEEK

Brand V. RICH LIGHTS

<u>Space</u>	<u>Times</u>	<u>1979 Franchised Dates of Insertion</u>	<u>CUT-INS</u>
<u>FIVE COLOR</u>			
(Bleed)			
Page	1	January 1	SPIRIT
Back Cover	1	January 22	
<u>FOUR COLOR</u>			
Page	6	March 26	None
		April 23	None
		June 4 *	None
		July 9	None
		August 13	None
		November 5	KOOL INTERNATIONAL

\* June 4 page is a 4/C Bleed National ad along with an Insert Card in U.S. subscriptions only. Right hand page and up front 1st Card position ordered and guaranteed. (Per verbal order Thompson/Albergo)

NOTE: SPIRIT ad to run in Houston area Sectional Centers 770, 771, 772, 773, 774, 775 & 778 only.  
National ad to run in remainder of country.

REVISION: Show KOOL INTERNATIONAL Cut-in on Nov. 5

680121966

**Ted Bates & company, inc./advertising**

1515 Broadway • New York, New York 10036 U.S.A.  
Phone 212 869-3131 • Cable: Batesword, New York

## Insertion Order And Copy Instructions

P  
U  
B  
L  
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S  
H  
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R

FAMILY WEEKLY  
641 LEXINGTON AVENUE  
NEW YORK, N.Y.

NOV. 28, 1972  
DATE

Please insert the advertising of **BROWN & WILLIAMSON TOBACCO CORP.** **VICEROY** following the schedule and instructions given below at the rates and subject to the same conditions as stated in our contract.

DATE OF ISSUE	SPACE	COPY NUMBER	CAPTION	KEY NUMBER
---------------	-------	-------------	---------	------------

FEB. 11, 1973      1 PAGE      V-9858  
4 COLOR

GET A TASTE OF WHAT IT'S ALL ABOUT  
( SMILING 24 )

POSITIVES, PROOFS & PROGS FROM INTAGLIO SERVICENYC BY OU  
YOUR CLOSING DATE. PROOF HEREWITH FOR IDENTIFICATION.

THERE SHOULD BE A MINIMUM OF TEN (10) PAGES SEPARATION BETWEEN  
THE SCHEDULED BROWN & WILLIAMSON AD AND ANY COMPETITIVE AD.

BE SURE TO SEND FULL REPRESENTATIVE COPIES, NOT TEAR SHEETS, OF YOUR PUBLICATION  
SHOWING ABOVE AD TO: MRS. FRANCES CANARY, BROWN & WILLIAMSON TOBACCO  
CORPORATION, 1600 WEST HILL STREET, LOUISVILLE, KENTUCKY 40201.

**IMPORTANT** DO NOT POSITION ABOVE AD ON OR FACING OBITUARY PAGE OR ON/OR  
FACING PAGES CONTAINING ADVERTISING OR EDITORIAL MATTER WHICH  
IS DETRIMENTAL TO THE USE OF TOBACCO PRODUCTS.

680213443

### POSITION

AS ARRANGED WITH ART EDLESTEIN OF TED BATES.

**IMPORTANT:** If a coupon appears in the advertising listed above,  
do not back up ad with any on page coupons or other  
material designed for removal.

**NOTE:** Please hold plates for possible repeat insertion.

Advise us at once if instructions are not clear. See that copies of  
issues containing this advertising are sent to this office directly.

**REFERENCE** No. 21598

**Ted Bates new york**  
**J. BURTON/cz.**

PER \_\_\_\_\_

TRAFFIC DEPT.

Supplier warrants and represents that it is an equal opportunity employer and does not and will not discriminate against any person because of age, sex, creed, race or national origin.

FORM 13F - 2M SETS 9/72

680213443

PRODUCED FROM B&W WEB SITE

**SURGEON GENERAL'S WARNING**

Please address all correspondence to:  
Send advertising copy to: FRED KALFELD CO., INC., 975 North Michigan Avenue, Chicago, Illinois 60611.

DATE OF ORDER:

CONTRACT NO.:

EDITION:

ADVERTISER:

PRODUCT:

POSITION:

**IMPORTANT:** If this insertion order does not agree with our contract, you are held to accept this advertising without first notifying us. This order is subject to standard conditions on back of contract in effect for advertising client.

INSERTION DATE:

SPACE:

AD. NO.:

HEADLINE:

KEY NO.:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Please caution your printer that when making your publications' printing material that the copyright line, the tar & nicotine content copy and the Surgeon General's Warning must not be removed from the advertisement. Special attention must be taken when there is free-standing black type matter on white backgrounds.

Hold material for at least thirty days for possible reprints.

P.O. \_\_\_\_\_

680234063

Date: May 26, 1976

Sample No. 3091

Type of Cigarette 85 mm Filter

Batch Size As needed

Original Request Made By Mr. A. B. Hudson on May 25, 1976

Sample Specifications Written By Howard Smith

BLEND	CASING	RECASING	FINAL FLAVOR	MENTHOL
Sample No. 3074	Sample 3074	Sample 3074	Sample 3074	None

#### Cigarettes

Maker AMF 1-90  
Length 84.5 mm  
Circumference 24.8 mm  
Weight Approx. 86 g/100 cigs.  
Pressure Drop To be determined  
Filter Length 25.0 mm  
Paper 540 H.C.  
Tipping Paper Ecusta TOD-06521  
8 lines perforations

#### Filters

Kind 1.8-42,000 "Y"  
RE-1263  
Process KDF2-AF2  
Rod Length 120 mm  
Pressure Drop 663.1 mm  
Circumference 23.90 mm  
Weight 89.6 gms/100 rods  
Plasticizer 72 Kent  
Plug Wrap 626

#### Packing

True Blue 85 labels/print  
Labels stating 5 mgs Tar, 0.5 mgs Nic.  
Closures True Blue  
Tear Tape White  
Cartons White/caution notice  
Markings Code No. printed  
on back of label

#### Responsibility

Tobacco Blend Ammons/Smith  
Filter Production J. Bohlken  
Making & Packing Prod. Dev.  
Shipping Hudson/Smith  
Sample Requisition Hudson  
[Form 02:02:06]

#### Requirements

Laboratory 20 cartons  
Other 620 cartons for True Product  
Placement Test MRD #5542/276

#### Special Requirements

- 1 - True Production Tipping Roller
- 2 - Cigs. to be made from tobacco previously determined to be within moisture specifications.
- 3 - Cigs. to be packed in True Blue labels with Code No. 489 printed on back of pack.
- 4 - Cig. packs to be packed in white cartons/warning notice and then repacked according to True Product Placement Test MRD #5542/276 instructions.

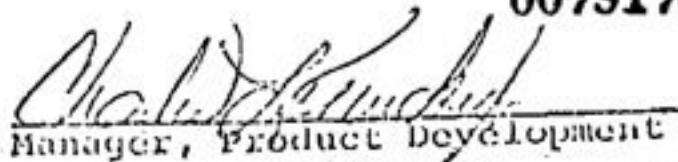
#### Laboratory Analysis

Smoke Analysis, Tobacco  
Analysis, Taste Evaluation,  
Moisture Analysis, Gas Phase

#### Reports

Written by A. B. Hudson  
Original to Mr. C. L. Tucker  
Copies to Mr. N. J. Kaplan  
Dr. A. W. Spears  
Dr. F. J. Schultz

00791707

  
Manager, Product Development

1100 Main Street  
400 - 47th Street  
Niagara Falls, NY 14302

NIACET<sup>®</sup> Sodium Acetate

Manufactured by U.S. Chemical Company. "Niacet" is a registered trademark of U.S. Chemical Company.

00346

CHEMICAL NAME: NIACET<sup>®</sup> SODIUM ACETATE, ANHYDROUS

SYNONYMS: --

CHEMICAL FAMILY: Metallic Acetates

FORMULA: CH<sub>3</sub>COONa

MOLECULAR WEIGHT: 82.03

TRADE NAME AND SYNONYMS: NIACET Sodium Acetate, Anhydrous

I. PHYSICAL DATA

BOLING POINT, 700 mm. Hg	324 °C. (615.2 °F.)	FREEZING POINT	Not applicable
DENSITY	>1	VAPOR PRESSURE AT 20°C.	Not applicable
VAPOR DENSITY (air = 1)	Not applicable	SOLUBILITY IN WATER, % by wt. at 20°C.	46.5
PER CENT VOLATILES BY VOLUME	No	EVAPORATION RATE Sodium Acetate > 11	Not applicable
APPEARANCE AND ODOR	White crystalline solid; slight odor of acetic acid.		

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (ppm)
(See Sections III through VIII)		

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Etu method)	Not applicable (Solid)	AUTOIGNITION TEMPERATURE	1112°F.
FLAMMABLE LIMITS IN AIR, % by volume	LOWER	NOT APPPLICABLE (Solid)	UPPER
EXTINQUISHING MEDIA	Not applicable		
SPECIAL FIRE FIGHTING PROCEDURES	Not applicable		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Avoid dispersion of dust to reduce potential explosion hazard.		

(716) 285-1474

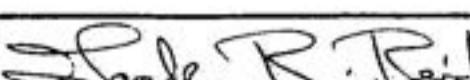
Emergency Phone Number

(716) 285-1474

This number is available days, nights, weekends, and holidays.  
While Niacet Corporation believes that the data contained herein are factual and the opinions expressed  
are those of qualified experts regarding the results of the tests conducted, the data are not to be taken  
as a warranty or representation for which Niacet Corporation assumes legal responsibility. They are  
offered solely for your consideration, investigation, and verification.

65602 6 6 7

# COMPOUND PHYSICAL PARAMETERS

LRC COMPOUND CODE A7		DATE 10/22/80		
MOLECULAR WEIGHT 182	SOLUBILITY <input checked="" type="checkbox"/> WATER <input type="checkbox"/> OTHER	<input type="checkbox"/> MEASURED	<input checked="" type="checkbox"/> ESTIMATED AMOUNT < 0.5 g/100ml	
CLASS <input checked="" type="checkbox"/> ACID	<input type="checkbox"/> BASE	<input type="checkbox"/> SALT	<input type="checkbox"/> OTHER	
REACTIVITY:		DESCRIPTION OF REACTIVITY:		
WITHOUT HEATING				
1) WATER or BRINE:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
2) 5% HCl:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
3) 5% NaOH:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
4) ALCOHOLS:	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION
5) OXYGEN:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
6) LIGHT:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
WITH HEATING (80°C)				
SAFETY COMMENTS (SUGGESTED HANDLING PROCEDURE)				
<p>Use the normal handling for an aliphatic acid. The Ames mutagenic screening test indicated no detectable mutagenic activity. The acute oral toxicity (<math>LD_{50}</math>) value in mice was 1.77 g/kg.</p>				
CHEMICAL PURITY >> 99%	ANALYTICAL METHOD(S) thin-layer gas chromatography, chromatography			
STORAGE RECOMMENDATIONS	<input checked="" type="checkbox"/> NORMAL STORAGE		<input type="checkbox"/> SPECIAL STORAGE	
COMPOUND SENSITIVE TO:				
<input type="checkbox"/> AIR <input type="checkbox"/> HEAT <input type="checkbox"/> LIGHT <input type="checkbox"/> MOISTURE <input type="checkbox"/> OTHER _____				
COMMENTS The material might form esters in the presence of alcohols.				
SIGNATURE 		DATE 10/22/80		
LORILLARD RESEARCH CENTER				

86020800

## COMPOUND PHYSICAL PARAMETERS

LRC COMPOUND CODE A11			DATE 10/22/80	
MOLECULAR WEIGHT 168	SOLUBILITY <input checked="" type="checkbox"/> WATER <input type="checkbox"/> OTHER	<input type="checkbox"/> MEASURED	<input checked="" type="checkbox"/> ESTIMATED	AMOUNT < 0.5 g/100ml
CLASS <input type="checkbox"/> ACID	<input type="checkbox"/> BASE	<input type="checkbox"/> SALT	<input checked="" type="checkbox"/> OTHER ester	
REACTIVITY		DESCRIPTION OF REACTIVITY		
WITHOUT HEATING				
1) WATER or BRINE:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
2) 5% HCl:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
3) 5% NaOH:	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION
4) ALCOHOLS:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION
5) OXYGEN:	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION	<input checked="" type="checkbox"/> UNCHANGED	<input type="checkbox"/> DECOMPOSITION
6) LIGHT:	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED	<input checked="" type="checkbox"/> DECOMPOSITION
WITH HEATING (80°C)				
SAFETY COMMENTS (SUGGESTED HANDLING PROCEDURE)				
Use the normal handling procedures for a bicyclic ester. The Ames mutagenic screening test indicated no detectable mutagenic activity. The acute oral toxicity ( $LD_{50}$ ) value in mice was 0.7 g/kg.				
CHEMICAL PURITY > 98%	ANALYTICAL METHOD(S) thin layer gas chromatography, chromatography			
STORAGE RECOMMENDATIONS	<input checked="" type="checkbox"/> NORMAL STORAGE		<input type="checkbox"/> SPECIAL STORAGE	
COMPOUND SENSITIVE TO:	Slight discoloration over 1 month period			
<input type="checkbox"/> AIR <input type="checkbox"/> HEAT <input checked="" type="checkbox"/> LIGHT <input type="checkbox"/> MOISTURE	<input type="checkbox"/> OTHER _____			
COMMENTS Saponification will occur in alkaline solutions. The material will discolor over a 1 month period if not stored in a brown glass bottle or in an unlighted area.				
SIGNATURE 	DATE 10/22/80			
LORILLARD RESEARCH CENTER				

00833246