Dr. Kingel (Hg.)

Psychological and Physiological Correlates of Stress: Performance on a Cooperative Task

(NAS 9-13452)

FINAL REPORT June 2, 1976

Submitted to

NASA Lyndon B. Johnson Space Center Facility and Laboratory Support Branch Houston, Texas 77048

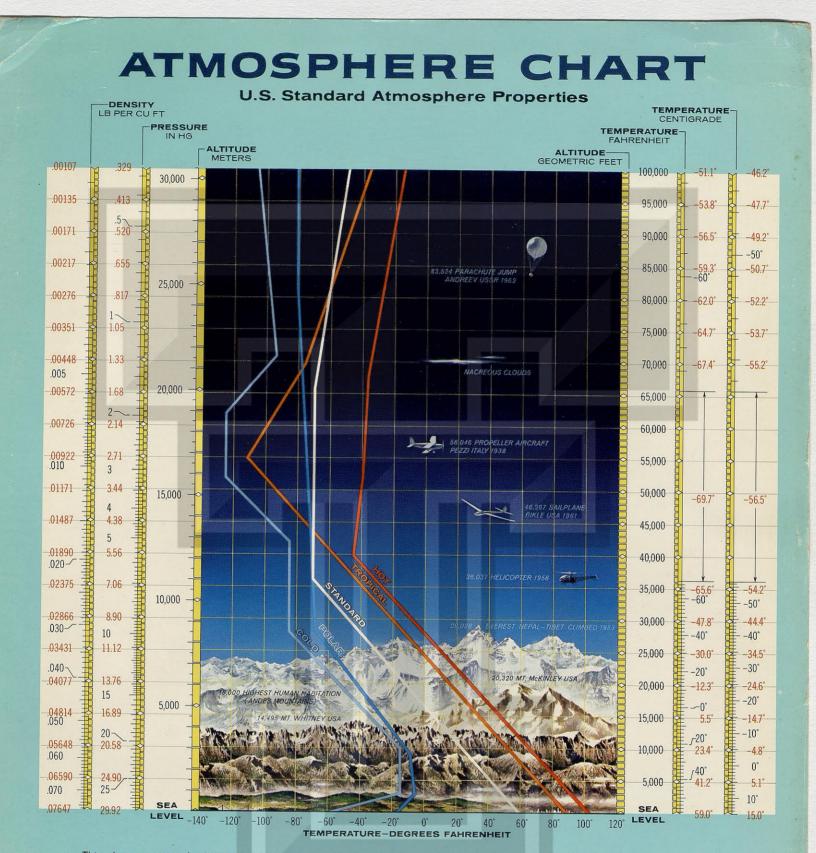
By

Robert Roessler, M.D. Principal Investigator

and

Jerry Lester, Ph. D. and Ted Knapp, Ph. D.

Psychophysiology Laboratory Department of Psychiatry Baylor College of Medicine Houston, Texas 77030



This chart presents the latest recognized standard values for the temperature, pressure and density of the air at altitudes up to 100,000 geometric feet. The pictorial inserts represent various steps in man's achievement in learning to reach and to exist at high altitudes. The data in the columns on the sides, and the central profile, all refer to the U.S. Standard Atmosphere, 1962, which depicts idealized middle-latitude year-round mean conditions for the range



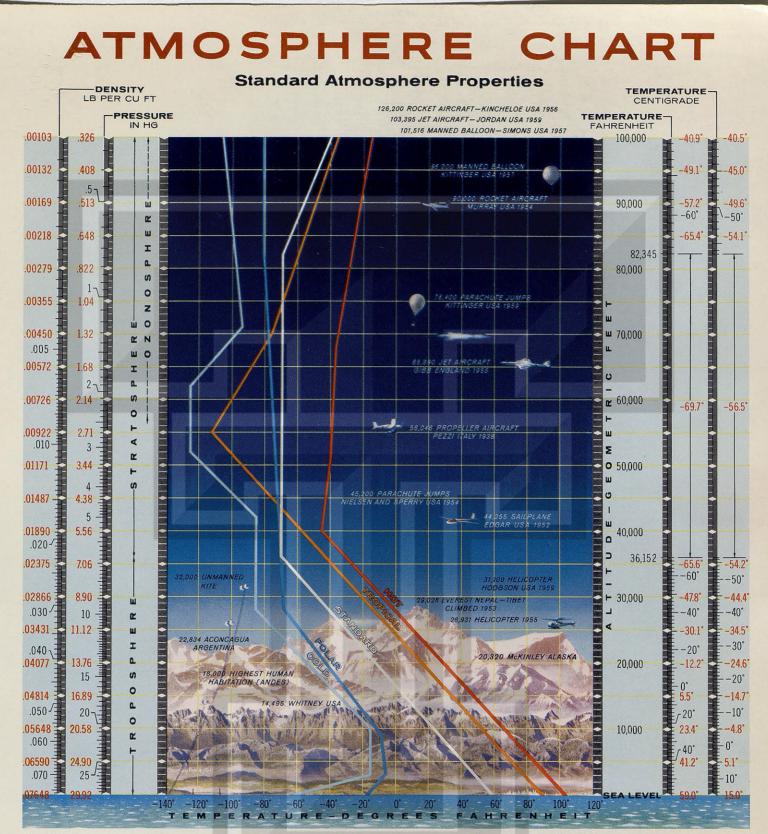
of solar activity that occurs between sunspot minimum and sunspot maximum. The ICAO Standard Atmosphere is essentially consistent with the U.S. Standard Atmosphere up to 65,823 geometric feet. The hot and cold temperature profiles represent U.S. Military extreme maximum and minimum temperature criteria for the Northern Hemisphere. The tropical and polar temperature profiles represent U.S. Military standards for hydrodynamically consistent homogeneous atmospheres for the tropical and polar regions. The pressure and density values shown in the columns are consistent with the standard temperature profile only.

AIRESEARCH MANUFACTURING DIVISIONS

LOS ANGELES 9, CALIFORNIA • PHOENIX, ARIZONA

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This chart presents the latest recognized standard values for the temperature, pressure and density of the air at altitudes up to 100,000 geometric feet. The pictorial inserts represent various steps in man's achievement in learning to reach and to exist at high altitudes. The data in the columns on the sides, and the central profile, all refer to the ARDC Model Atmosphere, 1959. The NACA Standard Atmosphere, 1955, and the ICAO Standard Atmosphere, 1954, are essentially consistent with the ARDC Model Atmosphere up to 66,008 geometric feet. The hot and cold

temperature profiles represent U.S. Military extreme maximum and minimum temperature criteria for the Northern Hemisphere. As defined in MIL-STD-210, it is assumed that the extremes will not be exceeded more than 10 per cent of the time. The tropical and polar temperature profiles represent U.S. Military standards for hydrodynamically consistent homogeneous atmospheres for the tropical and polar regions as defined in MIL-STD-210. The pressure and density values shown in the columns are consistent with the standard temperature profile only.



SYSTEMS AND COMPONENTS FOR AIRCRAFT . MISSILE . SPACECRAFT . ELECTRONICS . NUCLEAR AND INDUSTRIAL APPLICATIONS



Battle Creek THERMOPHORE Automatic Moist Heat Pack*



M530-3 Standard Size 13" x 27" for general family use, large enough to cover entire spine. **REG. PRICE \$49.95 NRTA-AARP PRICE** 36.95 M530-5 Medium Size 13" x 13" equally useful for small body areas, hands, feet, etc. **REG. PRICE \$39.95 NRTA-AARP PRICE** 30.95

BLANKETS* Automatic Electric Blanket

Enjoy perfect sleeping comfort, wonderful value with a fine automatic blanket. It assures you gentle, uniform warmth-without-weight, regardless of changes in room temperature. 100% Acrylic, convertible, snap-fitted corners, nylon bound top. Mothproof, machine washable. OUR FINEST AUTOMATIC BLANKET "FIELDCREST REGENCY" FULL FIVE YEAR WAR-RANTY (details on package).

Colors-Gold, Champagne White Twin Size, 63" x 84" Single Control M560-0 NRTA-AARP Price 29.75

Full Size, 72" x 84" Single Control M561-0 NRTA-AARP Price 31.75

Full Queen Size, 84" x 90" with **Dual Control**

M562-0 NRTA-AARP Price 39.69



Our own Standard Automatic Blanket (not shown). FULL TWO YEAR WAR-

RANTY (details on package). Soft blend of Polyester and Acrylic fibers. Machine washable.

Twin Size, 60" x 84" Single Control M030-1 NRTA-AARP Price 23.49

Full Size, 72" x 84" Single Control M032-2 NRTA-AARP Price 24.97

Colors-Gold, Light Blue

Thermal Blanket

Practical and pretty, this comfortable blanket is made of 100% acrylic fibers with 4 inch nylon binding. There is a hi-loft finish for thick nap and extra luxury. Most important, it is completely machine washable and dryable.

Guaranteed forever by manufacturer against moth damage. Almost anyone you know-and that includes yourself -will love this blanket that provides gentle warmth and luxurious comfort without weight. Fits twin or double bed size. 72" x 90"

\$13.00 suggested retail Available in White, Blue and Gold M036-1 NRTA-AARP Price

9.97

ALL NRTA-AARP FORMULAS APPEAR IN RED

Quick and effective MOIST HEAT FOMENTATIONS at the snap of a switch . . . and right in your home. Provide soothing relief from arthritic and rheumatic pain, muscular pain, congestion and discomfort of the common cold. THERMOPHORE actually traps moisture. It is this moisture that transmits the intense heat more efficiently. Hot fomentations have been used to relieve pain and discomfort for over a century. Today these moist heat treatments are used in hospitals, sanitariums, spas, and health resorts.

The THERMOPHORE produces moist heat automatically. There is no water to add, no water to boil, no dripping packs or towels to prepare. The THERMOPHORE is ready when you are. The entire treatment takes only twenty to thirty minutes, yet beneficial results continue for several hours after each treatment.

Each unit is equipped with a safety switch which shuts off automatically, should you fall asleep during a THERMOPHORE treatment. One year manufacturer's warranty.*

BLOOD PRESSURE*

MONITOR/KIT

TO BE USED WHEN DOCTORS

RECOMMEND SELF MONITORING

OF BLOOD PRESSURE.

Kit contains "Touch N' Hold" velcro

cuff with slide bar for easy handling.

Accurate, easy to read aneroid man-

ometer (gauge) calibrated to 300 MM.

Complete instructions. Record booklet

included in each kit for keeping track

of day-to-day blood pressure read-

ings. Dual action clip-on professional

***ONE YEAR WARRANTY**

See Page 7

Bowles stethoscope.

S005-1 NRTA/AARP Price

NRTA-A

High Potenc This is NF formula. I tities of al minerals.

Formula : amounts o as a sup stricted d much less



COMP

Vitamin A Vitamin D Thiamin (E Riboflavin Pyridoxine Cyanocoba Niacinamio Ca. Pantot Sod. Asco (Vit. C)

Vitamin E lodine ... Iron Copper ... Manganes Magnesiun Zinc

PRODUCT NO. V101-1 F V101-3 Fe V505-1 T V505-3 TI

> Comp PRODUCT NO.

V039-1 G V062-1 M V510-1 U

> NRTA/A nationall most NR the com anteed to

*See Page 7

19.95

NRTA-AARP VITAMIN FORMULAS NRTA-AARP FORMULA No. 101

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19.95

ΤY

High Potency Vitamins with Minerals Added This is NRTA-AARP's highest potency formula. It contains substantial quantities of all the essential vitamins, plus minerals.

Formula #101 is useful where large amounts of vitamins are indicated and as a supplement for people on restricted diets. This formula sells for much less than comparable brands.



COMPARE TO THERAGRAN-M No. 101 THERAGRAN-M

Vitamin	A 10	,000 L	Jnits	10,000	Unit
Vitamin	D	400 L	J nits		Units
Thiamin	(B-1)	10	mg.	- 1	0 mg
Riboflav	in (B-2)	10	mg.	1	0 mg
Pyridoxi					5 mg
Cyanoco	obalami	n 51	mcg.	5	mcg
Niacinai	mide .	100	mg.	10	0 mg
Ca. Pan	tothena	te 20	mg.	2	0 mg
Sod. As					
)			20	l0 mg
Vitamin					15 I.U
lodine .				0.1	5 mg
Iron		12	mg.	1	2 mg
Copper					2 mg
Mangan	ese	1	mg.		1 mg
Magnesi					5 mg
Zinc		1.5	mg.	1.	5 mg
PRODUCT NO.		ITEM		QUANTITY	PRICE
V101-1	Formul	la No	. 101	. 100	2.99
V101-3	Formul				8.09
V505-1	Therag				5.39
V505-3	Therag				9.49
Cor					
COL	npare F	ormu	ia NO	. 101 to;	

PRODUCT NO.	ITEM QUANTITY	PRICE
V039-1	Gevral T	7.19
V062-1	Mi-cebrin T tablets 100	7.29
V510-1	Unicap Therapeutic	
	tablets90	6.54

NRTA-AARP FORMULA No. 103

Compare The Labels

High Potency Vitamin B-Complex with Vitamin C

NRTA-AARP Formula #103 is an extra potency therapeutic B complex formula containing generous amounts of Vitamins B1, B2 and C.

Formula #103 is intended for people who are deficient in B and C Vitamins sometimes due to poor dietary habits.



COMPARE TO ALLBEE with C

No. 103	ALLBEE with C
Thiamin (B1)15 mg.	15 mg.
Riboflavin (B2)10 mg.	10 mg.
Pyridoxine (B6)5 mg.	5 mg.
Niacinamide	50 mg.
Calcium Pantothenate 10 mg.	10 mg.
Ascorbic Acid (Vit. C) 300 mg.	300 mg.

PRODUCT NO.	ITEM	QUANTITY	PRICE
V103-1	Formula No. 103	. 100	3.29
V103-3	Formula No. 103	.300	8.69
V003-1	Allbee with Vit. (0.100	5.59

Compare Formula No. 103 to:

	the set of the	The the
PRODUCT NO.	ITEM QUANTIT	Y PRICE
V007-1	Becotin pulvules	
	with Vitamin C.100	5.89
V010-1	Beminal Forte with	
	Vitamin C 100	6.69
V017-1	Cebefortis tablets 100	9.57
V098-1	Surbex with Vit, C 100	6.29
		and the second second second

NRTA/AARP BRAND pharmaceuticals are of top quality, manufactured by nationally known pharmaceutical laboratories. To make comparisons easier, most NRTA/AARP formulas have been printed in full and are listed with the comparable national brand. All NRTA/AARP BRAND products are guaranteed to comply with all Federal and State regulations.

NRTA-AARP FORMULA No. 104

NRTA-AARP Formula #104 is a super potency B complex formula with a generous amount of Vitamin C.

Formula #104 is used for correction of B complex and Vitamin C deficiency.

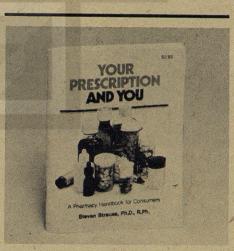
Formula #104 is Sugar Free

COMPARE TO SURBEX T

		No. 104	SURBEX-T
Vitamin C			
	ascorbate)		500 mg.
Niacinam	ide	100 mg.	100 mg.
Calcium	antothenate	20 mg.	20 mg.
Thiamine	(B1)	.15 mg.	15 mg.
Riboflavin	n (B2)	.10 mg.	10 mg.
Pyridoxin	e (B6)	5 mg.	5 mg.
Cyanocol			
	• • • • • • • • • • • • •	10 mcg	. 10 mcg.
PRODUCT NO.	ITEM	QU	ANTITY PRICE
V104-1	Formula No.	104 .1	00 4.25
	Formula No		00 10.09

7.83

V097-1 Surbex-T100



You really should learn as much as you possibly can about the Prescriptions you're taking.

- · Are there side effects?
- Should you drive or drink while taking the drug?
- · Are there possible interactions with foods?
- · What are the generic names?
- . How to take?

These questions, and many more, are discussed in the brand new publica-tion "YOUR PRESCRIPTION AND YOU -A Pharmacy Handbook for Consumers." This handy 108-page guide covers hundreds of prescription products and features other valuable patient information including a special section for diabetics and for persons taking anticoagulant drugs. "YOUR PRESCRIPTION AND YOU" is written in language you can easily understand. "YOUR PRESCRIPTION AND YOU"

X112-1 NRTA-AARP PRICE \$2.50

These prices effective as of February 1, 1979. Prices subject to change without notice.

3

Page 7

NRTA-AARP FORMULA No. 105 NRTA-AARP Formula #105 is our fa-

vorite Maturity Formula. We have spent a great deal of time in choosing the proper combination of vitamins and minerals to assure you that we have the balanced formula you would need to supplement the lack of vitamins and minerals for nutritional purposes. The most popular vitamin preparation with our members.



1	
Vitamin A 10,00	
Vitamin D	0 Units
Vitamin B1 (Thiamin HCl.)	6 mg.
Vitamin B2 (Riboflavin)	
Pyridoxine (Vitamin B6)	
Vitamin B12 Activity	
Vitamin E	
Vitamin C (Ascorbic Acid)	.80 mg.
Calcium Pantothenate	
Inositol	
dl-Methionine	
Niacinamide	
Ferrous Sulfate Dried (Iron)	
Copper Sulfate	
Manganese Sulfate	4 mg.
Calcium	1.2 mg.
Phosphorus	.32 mg.
Iodine (as Potassium Iodide) .0	.15 mg.
Magnesium (as Sulfate Dried)	
Potassium (as Sulfate)	
Zinc Sulfate	
Choline (Bitartrate)	
PRODUCT NO. ITEM QUANTI	TY PRICE
V105-1 Formula No. 105 . 100	

V105-3 Formula No. 105 . 300 8.49
NRTA-AARP FORMULA No. 107

Hematinic Formula #107 is a combination of Vitamin B Complex and desiccated liver in extra potencies, indicated in the treatment of uncomplicated anemias. We have added iron since this is a basic mineral needed for building hemoglobin.

EACH CAPSULE CONTAINS:
Vitamin B1215 mcg.
Ferrous Sulfate
Vitamin C (Ascorbic Acid) 100 mg.
Vitamin B1 (Thiamin HCl.) 3 mg.
Vitamin B2 (Riboflavin)3 mg.
Niacinamide
Vitamin B6 (Pyridoxine HCI.)0.5 mg.
Calcium Pantothenate
Desiccated Liver
PRODUCT NO. ITEM QUANTITY PRICE
V107-1 Formula No. 107 .100 3.59

NRTA-AARP FORMULA No. 109 High Potency Vitamin

NRTA-AARP'S FORMULA #109 is an extra potency therapeutic formula for those who are deficient in the basic vitamins. It contains generous amounts of these essential vitamins.



COMPARE TO THERAGRAN THERAGRAN No 109 Vitamin A . . 10,000 Units 10,000 Units Vitamin D 400 Units Thiamine (B1) ... 10 mg. 400 Units 10 mg. Riboflavin (B2) .. 10 mg. 10 mg. Pyridoxine HCI. ...5 mg. (B6) 5 mg. Cyanocobalamin (B12)5 mcg. 5 mcg. Niacinamide ... 100 mg. 100 mg. Ca. Pantothenate 20 mg. 20 mg. Sod. Ascorbate (Vit. C) 200 mg. 200 mg. Vitamin E15 I.U. 15 I.U. V109-1 Formula No. 109 PRICE 2.89 QUANTITY 100 V109-3 Formula No. 109 . 300 7.89 V504-1 Theragran100 5.29

NRTA-AARP FORMULA No. 115 Daily Vitamin

This is **NRTA-AARP's** minimum one a day brand of vitamins. It is meant for those who feel well, but want to take some vitamins as a supplement.

COMPARE TO ONE-A-DAY



PRODUCT NO.	ITEM	QUANTITY	PRICE
V115-1	Formula No. 115	.100	1.39
V115-3	Formula No. 115	.300	3.79
V064-1	Miles One-a-day		
	Vitamins	100	2.96
Cor	npare Formula No	. 115 to;	
PRODUCT NO.	ITEM	QUANTITY	PRICE
1.1	the second se		Contraction of the Contraction

V511-3 Unicap capsules	
V511-1 Unicap capsules90 2.6	0

ALL NRTA-AARP FORMULAS APPEAR IN RED

NRTA-AARP FORMULA No. 113 Super Daily Vitamin Mineral

NRTA-AARP FORMULA #113, while not a therapeutic formula, is a super formula over the one a day type. It is desirable where there is faulty or limited diets and your daily maintenance requires special vitamins and minerals higher than minimum amounts.

EAG	CH TABL	ET CON	TAINS:	
Vitamin .	Α	10,000	U.S.P.	Units
Vitamin I	D	400	U.S.P.	Units
	B1 (Thiar			
	n (B2)			
Pyridoxir	ne Hydrod	chloride	(B6).1.5	5 mg.
	312			
	C (Ascorl			
Niacinan	nide			5 mg.
Calcium	Pantothe	nate		5 mg.
	Ε			
lodine .			0.18	ō mg.
Potassiu	m			5 mg.
Zinc (fro	m Zinc Su	Ilfate		
	CP)			
	um			
	ese			
	ITE			
	Formula			
V113-3	Formula	No. 113	.300	5.95
Cor	npare For	mula No	. 113 to;	
PRODUCT NO.		M		discourse and a start
	Mi-Cebri			5.17
V068-1	Multiceb	rin tabs.	.100	4.29

NRTA-AARP FORMULA No. 116 Daily Vitamin and Iron

This is a daily vitamin formula, the same as NRTA-AARP Formula No. 115 but, with 18 mg. iron added as fuma-rate.

PRODUCT NO.	ITEM	QUANTITY	PRICE
/116-1	Formula No. 116	.100	1.59
/116-3	Formula No. 116	.300	3.98
V065-1	Miles One-a-day		
	with iron	100	3.43

NRTA-AARP FORMULA No. 111

Formula #111 is NRTA-AARP's answer to those who require greater amounts of Choline, Inositol and Methionine than is provided in our other formulations.

NRTA-A

MULTI-MI NO STAR This form as a sup ficiency.

Calcium Phosphor Magnesiu Potassium Manganes Iron Copper . Iodine (Ke Zinc ... PRODUCT NO.

V120-1

NRTA7A

Nutritiona Formula improved AARP's c that sell a pare this



C

Vitamin A

Vitamin E Vitamin E Vitamin B Vitamin B Vitamin C Vitamin E Folic Acid Niacinami Calcium . Phosphor Iron Magnesiu lodine .. PRODUCT NO. V123-1 V123-3 V038-1 (Com V509-1 L

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AIN: 0.83 gm. 0.33 gm. 0.25 gm. ...9 mcg. 0.26 gm. LACE TITY PRICE 0 2.95 1 to; TITY PRICE

0 5.29

NEW ITEM

NRTA-AARP FORMULA No. 120

MULTI-MINERAL Tablets. NO SUGAR, NO STARCH, NO COLOR ADDED. This formula provides extra minerals as a supplement for a dietary deficiency.

		3 TABS. SUPPLY
Calcium		400 mg.
		200 mg.
Potassium		
		225 mcg.
Zinc		
PRODUCT NO.		QUANTITY PRICE
	mula No. 1	

NRTA-AARP FORMULA No. 123

Nutritional Vitamin Mineral Supplement Formula #123 is a multiple vitamin improved with minerals. It is NRTA-AARP's comparable formula to brands that sell at much higher prices. Compare this formula and save.



COMPARE TO GEVRAL

	No. 123	GEV	RAL
Vitamin A	5,000 Units	5,000	Units
Vitamin B-1 .	1.5 mg.	1.(5 mg.
Vitamin B-2 .	1.7 mg.	1.	7 mg.
Vitamin B-6 .	2 mg.	1	2 mg.
Vitamin B-12	6 mcg.		mcg.
Vitamin C	60 mg.	6() mg.
Vitamin E		. 3	0 I.U.
Folic Acid	0.4 mg.		4 mg.
Niacinamide	20 mg.) mg.
Calcium	162 mg.	162	2 mg.
Phosphorus .	125 mg.	12	5 mg.
Iron	18 mg.		3 mg.
Magnesium .	100 mg.	100) mg.
lodine	0.15 mg.	0.15	5 mg.
PRODUCT NO.	ITEM	QUANTITY	PRICE
V123-1 Form	ula No. 123	.100	3.19
V123-3 Form	ula No. 123	.300	8.49
V038-1 Gevra	al tablets	.100	5.94
Compare	Formula No	. 123 to;	
V509-1 Unica	ap Senior	90	4.47

HELP US SERVE YOU BETTER

Please PRINT your name and address clearly on all orders and correspondence. This will help us and speed up the delivery of your order.

NRTA-AARP FORMULA No. 125

Sugar Free Vitamin with Minerals

NRTA-AARP Formula #125 is a general all-'round vitamin formula made especially for diabetics, and diet conscious people who must take a vitamin that is sugar free.

EACH CAPSULE CONTAINS:
Vitamin A 10,000 U.S.P. Units
Vitamin D
Vitamin B1 (Thiamin HCI)6 mg.
Vitamin B2 (Riboflavin)5 mg.
Vitamin B6 (Pyridoxine)0.5 mg.
Vitamin B1210 mcg.
Vitamin E
Vitamin C (Ascorbic Acid) 80 mg.
Calcium Pantothenate
Niacinamide
Ferrous Sulfate Dried102 mg.
Copper Sulfate
Manganese Sulfate4 mg.
Calcium
Phosphorus
lodine (as Potassium lodide) .0.15 mg.
Magnesium (as Sulfate Dried) 3 mg.
Potassium (as Sulfate)5 mg.
Zinc Sulfate4 mg.
PRODUCT NO. ITEM QUANTITY PRICE
V125-1 Formula No. 125 . 100 3.49
V125-3 Formula No. 125 .300 9.19

NRTA-AARP FORMULA No. 127

NRTA-AARP Formula #127 is a super potency Vitamin B complex, combined with iron, Vitamin C and B-12. We call this our **energy** Formula.

EACH TABLET CONTAINS:

Vitamin B1 (Thiamin HCI.)	.15 mg.
Vitamin B2 (Riboflavin)	6 ma.
Vitamin C (Ascorbic Acid)	30 mg
Niacinamide 100% M.D.R.	10 mg.
Calaium Dantathanata	. 10 mg.
Calcium Pantothenate	
Vitamin B6 (Pyridoxine HCl.)	
Vitamin E	
Desiccated Liver	100 mg.
Brewer's Yeast	
Choline Dihydrogen Citrate	.20 ma.
Inositol	
dl-Methionine	
Vitamin B12	.s nicy.
Ferrous Gluconate	. 30 mg.
Cal. (di-Calcium Phosphate)	.46 mg.
Phosphorus	.36 mg.
lodine (Potassium lodide)0	.15 mg.
Magnesium Sulfate Dried	7.2 mg.
Copper Sulfate	5 ma.
Manganese Sulfate	34 ma
Potassium Chloride	13 mg
PRODUCT NO. ITEM QUANTI	TY PRICE
V127-1 Formula No. 127 .100	2.69
V127-3 Formula No. 127 .300	7.39

MONEY BACK GUARANTEE

You may return any unopened product for refund or credit within 30 days of receipt. Please include a copy of the invoice to facilitate proper handling.

NRTA-AARP FORMULA No. 129

High Potency Iron Vitamin Tonic

Formula #129 is NRTA-AARP's tonic tablet. It contains B Complex, Vitamin C, and blood building iron.

Formula #129 is desirable as a supplemental aid in cases of poor appetite and convalescence after illness.



COMPARE TO GERITOL

	No. 129	GERITOL
Iron		50 mg.
Vitamin B-1	5 mg.	5 mg.
Vitamin B-2		5 mg.
Vitamin C		75 mg.
Niacinamide		30 mg.
Cal. Pantothenate .		2 mg.
Vitamin B-6		0.5 mg.
Vitamin B-12		3 mcg.
PRODUCT NO. ITEM	QUANT	TTY PRICE
V129-1 Formula N	o. 129 . 100	2.29
V129-3 Formula N	o. 129 . 300	5.19
V037-1 Geritol tak	olets 10	0 5.57
V037-3 Geritol tab	olets 18	0 8.69
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NRTA-AARP FORMULA No. 133 Stress Formula Capsules

Formula #133 is indicated where a deficiency of these vitamins is caused by stress. These vitamins help maintain good health.



COMPARE TO STRESSCAPS

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No. 133	Stresscaps
Vitamin C	300 mg.	300 mg.
Vitamin B-1 Thiamin	.10 mg.	10 mg.
Riboflavin B-2	.10 mg.	10 mg.
Niacinamide	100 mg.	100 mg.
Pyridoxine HCI. B-6	2 mg.	2 mg.
Calcium		
Pantothenate	.20 mg.	20 mg.
Vitamin B-12	.6 mcg.	6 mcg.
PRODUCT NO. ITEM	QUA	NTITY PRICE
V133-1 Formula No	. 133 . 10	0 3.59
V091-1 Stresscaps		
Lederle .	10	00 6.98

These prices effective as of February 1, 1979. Prices subject to change without notice.

NRTA-AARP FORMULA No. 131 Multi-Vitamin with Minerals

NRTA-AARP Formula #131 is a daily maintenance formula containing both vitamins and minerals. This is what quite a few people would say "is a good all-around formula" for persons with no special deficiencies who want to take vitamins.



COMPARE TO UNICAP M

	No. 131	UN	ICAP-M
Vitamin A	5,000 Units	5,000	Units
Vitamin D		400	Units
Vitamin C		Ę	50 mg.
Vitamin B-1			.5 mg.
Vitamin B-2		2	.5 mg.
Vitamin B-6		0	.5 mg.
Vitamin B-12			2 mcg.
Cal. Pantothe			5 mg.
Niacinamide		2	20 mg.
Vitamin E		Service.	10 I.U.
Iron		1	0 mg.
Copper			1 mg.
lodine		0.1	5 mg.
Calcium	35 mg.	3	5 mg.
Magnesium .	6 mg.		6 mg.
Manganese .	1 mg.		1 mg.
Potassium	5 mg.		5 mg.
PRODUCT NO.	ITEM	QUANTITY	PRICE
V131-1 Form	ula No. 131	.100	2.25
V131-3 Form	nula No. 131	.300	5.19

V508-1 V508-3	Unicap M Unicap M	3.97 7.24
	mpare Formula	

PRODUCT NO.		IIEM	QUANTITY	PRICE
V092-1	Stuart	Formula	100	3.61

NRTA-AARP FORMULA No. 145 COMPARE TO LIPOTRIAD EACH 3 CAPSULES CONTAIN:

LIPOTRIAD

	LIFUINIAD
Choline bitartrate 700 mg.	700 mg.
Inositol	334 mg.
Cobalamin Conc 5 mcg.	5 mcg.
Thiamine HCI1 mg.	1 mg.
Riboflavin1 mg.	1 mg.
Niacinamide 10 mg.	10 mg.
Pyridoxine HCl1 mg.	1 mg.
Cal. Pantothenate1 mg.	1 mg.
PRODUCT NO. ITEM QUA	NTITY PRICE
V145-1 Formula No. 1451	00 3.49
V145-3 Formula No. 145 3	898 00

ricoboor no.	ITEM CONTINUE	THICL
V145-1	Formula No. 145 100	3.49
V145-3	Formula No, 145300	8.98
V058-1	Lipotriad Caps 100	4.39

6

NEW ITEM

NRTA-AARP FORMULA No. 150

HIGH B COMPLEX-50

Super potency combination of B Complex factors in one tablet. SUGAR FREE. Starch Free, no added color.



Vitamin B-2	Thiamine HC Riboflavin) . (Pyridoxine H		0 mg.
Niacinamide			
	Acid		
Choline Bitar			
Inositol			
IN AN A	LL NATURA	LBASE	
PRODUCT NO.	ITEM	QUANTITY	PRICE

V150-1 Formula No. 150..100 4.19 V150-3 Formula No. 150..300 10.59

NEW ITEM NRTA-AARP FORMULA No. 160 HIGH POTENCY—HIGH B COMPLEX 100

High potency combination of B Complex factors in one tablet. SUGAR FREE. Starch Free, no added color.

One Protein Coated	
Tablet Supplies:	
Vitamin B-1 (Thiamine) 100 mg.	COTO .
Vitamin B-2 (Riboflavin)100 mg.	の行う
Vitamin B-6 (Pyridoxine)100 mg.	- Harris
Vitamin B-12 (Cobalamin	
Concentrate)	Sales -
Niacinamide100 mg.	10-212
Folic Acid	and and
Pantothenic Acid100 mg.	1000
Biotin	
Choline (Bitartrate)100 mg.	
Inositol	
Para Aminobenzoic	- 14
Acid (PABA)100 mg	(new)
	正の

IN AN ALL NATURAL BASE

V160-1 Formula No. 160...100 6.98

ALL NRTA-AARP FORMULAS APPEAR IN RED

NEW ITEM

NRTA-AARP FORMULA No. 152 Therapeutic Hi-potency Vitamin and Mineral formula. Sugar Free, Starch Free, No Added Color. Dietary supplement for that special need.

Each tablet contains:

Vitamin A	. 10,000 Units
Vitamin D	400 Units
Thiamin (B-1)	
Riboflavin (B-2)	
Pyridoxine HCI	
Cyanocobalamin	
Niacinamide	
Ca. Pantothenate	
Ascorbic Acid	
Vitamin E	
lodine	
Iron	
Copper	
Manganese	
Magnesium	
Zinc	
PRODUCT NO. ITEM	QUANTITY PRICE
V152-1 Formula No. 152	

NEW ITEM

NRTA-AARP FORMULA No. 195

Multi Vitamin, Multi Mineral 100% Recommended Daily Allowance of 11 essential Vitamins plus 100% RDA of Iron, Copper, Iodine and Zinc with added Minerals. SUGAR FREE, STARCH FREE, NO ADDED COLOR.



Each Protein Coated tablet contains:

Vitamin A	5,000 I.U.
Vitamin E	
Vitamin C	
Folic Acid	
Thiamine	1.5 mg.
Riboflavin	1.7 mg.
Niacinamide	20 mg.
Vitamin B-6	2 mg.
Vitamin B-12	6 mcg.
Vitamin D	400 I.U.
Pantothenic Acid	10 mg.
Iron	
Calcium	100 mg.
Phosphorus	100 mg.
lodine	150 mcg.
Magnesium	100 mg.
Copper	2 mg.
Zinc	15 mg.
PRODUCT NO. ITEM	
V195-1 Formula No. 195.	

NRTA-A

NRTA-AAF for daily M at breakfa vides 24 mins and to swallow and abso sugar fre freshness.

TWO CAP

Vitamin A Vitamin D Vitamin C Vitamin E Vitamin B-Vitamin B-Vitamin B-Vitamin B-Pantothen Para-Amin Niacinami Folic Acid Biotin ... Choline (E Inositol ... Lecithin Soybean C Calcium Phosphoru Iron (Ferro Copper (G lodine (Ke Magnesiur Zinc (Citra

Potassium V199-1 F

Manganes

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No. 152 amin and e, Starch y supple-

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00	2 40	
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No. 195 al 100% nce of 11 0% RDA and Zinc AR FREE, COLOR.



ontains:

E 000 LU	
5,000 I.U.	
60 mg.	
0.4 mg.	
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20 mg.	
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2 mg.	
6 mcg.	
. 400 I.U.	
10 mg.	
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.100 mg.	
150 mcg.	
.100 mg.	
2 mg.	
15 mg.	
io mg.	
TITY PRICE	
0 2.98	
Contraction of the second	

NEW ITEM

NRTA-AARP FORMULA No. 199 MEGAVITAMINS

NRTA-AARP's answer to your request for daily MEGAVITAMINS. Dosage: One at breakfast and one at dinner provides 24 essential high potency vitamins and minerals. Soft gelatin easy to swallow capsules, dissolves sooner and absorbed quicker, starch and sugar free. Sealed-in potency and freshness.

TWO CAPSULES CONTAIN:

	1
Vitamin A	. 10,000 I.U.
Vitamin D	400 I.U.
Vitamin C	300 mg.
Vitamin E	
Vitamin B-1	50 mg.
Vitamin B-2	50 mg.
Vitamin B-6	50 mg.
Vitamin B-12	50 mcg.
Pantothenic Acid	50 mg.
Para-Aminobenzoic Acid	
Niacinamide	50 mg.
Folic Acid	400 mcg.
Biotin	50 mcg.
Choline (Bitartrate)	50 mg.
Inositol	50 mg.
Lecithin	80 mg.
Soybean Oil	442 mg.
Calcium	200 mg.
Phosphorus (Bone Meal)	50 mg.
Iron (Ferrous Fumarate)	18 mg.
Copper (Gluconate)	2 mg.
lodine (Kelp)	150 mcg.
Magnesium	50 mg.
Zinc (Citrate)	15 mg.
Manganese (Carbonate)	30 mg.
Potassium (Citrate)	30 mg.
V199-1 Formula No. 199	60 4.97
The formation for the state	

***SPECIFIC PRODUCT** WARRANTIES

Some items are covered by "specific warranties" that explain what the manufacturer will do in the event that repair or service is needed. These specific warranties are available free upon request. In addition, a copy of the written warranty is enclosed with the merchandise.

NATIONAL BRAND VITAMINS

PRODUCT NO.	ITEM QUAN	TITY PRICE
V004-1	Allbee-T10	0 7.79
V008-1	Becotin T10	
V009-1	Beminal 500 10	
V026-1	Femiron12	
V029-1	Fergon tabs 5 gr 10	0 1.87
V031-3	Ferro-Sequels 10	
V035-1	Geriplex10	0 5.78
V036-1	Geriplex FS 10	0 7.68
V045-1	Hesper capsules .10	0 12.09
V047-1	Iberet 5006	0 9.76
V053-1	Lederplex caps 10	0 3.99
V057-1	Lipoflavonoid caps 10	0 11.47
V057-3	Lipoflavonoid caps 50	0 44.27
V060-1	Lufa caps10	6.19
V066-1	Mol Iron tabs 10	0 1.59
V069-1	Myadec10	4.99
V076-1	Optilets M-500 10	0 7.78

COMPARE AND SAVE-





COMPARE AND SAVE-



and the second		State State
PRODUCT NO		Contraction of the local division of the
V090-1	Stress Tabs 60060	4.79
V360-1	Formula No. 360 Stress	-
	Formula Tablets with V	it. C
	600 mg 100	3.99
V089-1	Stress Tabs 600	
	with Iron60	5.23
V362-1	Formula 362 Stress	
	Formula Tablets with V	it. C
	600 mg. with Iron 100	4.79
V093-1	Stress Tabs 600	
	with Zinc 60	5.69
	Formula No. 364	
V364-1	Stress Formula Tablets	
A State of the	with Vitamin C	The second second
A CARLES	600 mg. with	1 hours
	Zinc	4.99
V094-1	Stuartinic	4.40
	Thera-Combex	
V501-1	H.P	7.99
V507-1	Trophite tabs50	4.07
V515-1	Vitron-C100	3.69
1010-1		0.05

NEW ITEM

COMPARE AND SAVE
Formula No. 210
Ascorbic Acid
Niacinamide100 mg.
Zinc Sulfate
Thiamin (B-1)
Ca. Pantothenate
Riboflavin (B-2)10 mg.
Pyridoxine (B-6)
Magnesium Sulfate
V210-1 Formula No. 210100 4.25
V095-1 Vicon-C Caps60 5.25
White's Cod Liver
V518-1 Oil Caps 100 4.26
V016-1 Z-BEC Vitamin
Caps

LOOK IN THE INDEX

A complete alphabetical list of all items in this Price List can be found in the INDEX on pages 25 and 26.

These prices effective as of February 1, 1979. Prices subject to change without notice.

NATURAL VITAMINS AND DIETARY SUPPLEMENTS

NATURAL VITAMINS

NATURAL VITAMIN A 10.000 U.S.P. Units From Blended Fish Oils

ITEM PRODUCT NO. QUANTITY PRICE V151-1 Formula No. 151. 100 1.49 V151-3 Formula No. 151., 300 3.79



NATURAL B COMPLEX WITH VITAMIN C

EACH CAPSULE CONTAINS:
Thiamine
Riboflavin14 mg.
Niacin
Vitamin B-12
(Cobalamin conc.)
Vitamin C100 mg.
Plus the Vitamin B-Complex factors
normally present in 210 mg. of Yeast
concentrate and Rice bran.

PRODUCT NO.	QUANTITY			PRICE
V071-1	100	 	 l	3.25
V071-3	300	 2	 	8.78

NATURAL ROSE HIPS WITH VITAMIN C

Rose Hips Concentrate standardized to provide Vitamin C with other natural Rose Hips factors. Chewable.

PRODUCT NO.		QUANTITY	PRICE
V073-1	300 mg	100	2.49
V073-3	300 mg		6.49
V085-1	500 mg		3.39
V085-3	500 mg		7.99

NATURAL BREWER'S YEAST

PRODUCT NO.	ITEM	QUANTITY	PRICE
V191-1	Formula No. 191		
	NRTA-AARP Brev	ver's	
	Yeast Tablets	1000	4.89
	0.5 GM71	/2 gr.	

NATURAL COD LIVER OIL

EACH 10 Minim CAP	SULE CONTAINS:
Vitamin A	1,250 USP Units
Vitamin D	135 USP Units
PRODUCT NO. QUANTITY	PRICE
V074-1 100	1.59

8



NATURAL VITAMIN E Capsules d-Alpha Tocopheryl Acetate

From natural vegetable oils QUANTITY PRICE PRODUCT NO. ITEM 100 I.U. in each capsule Formula No. 315 . 100 V315-1 1 98 Formula No. 315 V315-3 .300 5.49 200 I.U. in each capsule 3.29 V317-1 Formula No. 317 . 100 V317-3 Formula No. 317 .300 8.98 400 I.U. in each capsule V319-1 Formula No. 319 .. 100 4.99 V319-3 Formula No. 319 .300 14.59 1000 I.U. in each capsule V321-1 Formula No. 321 . 100 12.52

NATURAL VITAMINE CAPSULES

(Mixed Tocopherols)

Each capsule contains Vitamin E derived from Mixed Tocopherols (alpha, beta, gamma and delta).

PRODUCT NO.	ITEM	QUANTITY	PRICE
V042-1	100 I.U	100	1.97
V042-3	100 I.U	300	5.39
V043-1	200 I.U	100	3.15
V043-3	200 I.U	300	8.89
V044-1	400 I.U	100	4.97
V044-3	400 I.U	300	14.49
V041-1	1000 I.U	100	12.68

NATURAL DIETARY **SUPPLEMENTS**

NATURAL BONE MEAL

10 Grain-Tablets

Natural source of Calcium and Phosphorus.

PRODUCT NO. QUANTITY	PRICE
V011-1 500	3.49

NATURAL DOLOMITE TABLETS

Source	or Calcin	uni and Magnesit	ım.
PRODUCT NO. V154-1	State of the second	. 9 grain tablet	PRICE
		· · · grain tablet	0,13

ALL NRTA-AARP FORMULAS APPEAR IN RED

GARLIC (Odorless) Contains 5 minims concentrated extract of Garlic Oil in natural vegetable oils. PRODUCT NO. QUANTITY V034-1 250 Capsules

PRICE

2.99

PRICE

2.69

ALFALFA	ATABLETS
ne	
ITY	PRICE
	3.29
	ALFALF/ ne 1TY

LECITHIN

19 gr.

NRTA-A

LECITHIN CAPSULES

Each Capsule contains Soy Lecithin

1200 mgm. 19 Grains.

PRODUCT NO. QUANTITY

Natural V



PR An all natu

ment in co PRODUCT NO. (V082-1 5

NATUR/

A palatabl tural sour mixed with liquid. Van PRODUCT NO. C V512-1 1

HI PO VITAMI

EACI

	Vit. A (Fish
PRICE	Vit. D (Fish
3.49	Vit. B-1 (Ye
0.10	Vit. B-2 (Ye
	Vit. B-6 (Ye
	Vit. B-12 (0
	Niacin (Yea
	Folic Acid
rnia	Pantotheni
ong 👇	Vit. E (D-Al
our	Succinat

Succinat Vit. C (Rose Vit. C) . Calcium (E

Phosphoru Iron (Ferro lodine (Ke

PRODUCT NO. C V046-1 18 V046-3 36

V096-3	250	A CONTRACTOR OF
DESIC	CATED LIVER TAE	BLETS
71/2 Grai		
A natur Vitamin	al source of members B-Complex and is not i	s of the intended

V096-1 100

Vitamin	B-	Con	nplex and i	s n	ot intended
		the	treatment	of	pernicious
anemia.					

PRODUCT NO.	QUANTITY	PRICE
V022-1	300	3.49

California Residents Please Note

Order your needs from the Califo Retired Persons Pharmacy, 201 L Beach Blvd., Long Beach 90848. Y prescription must be the original, signed by a doctor licensed in the State of California.

Prescriptions on file in one of our other Pharmacies cannot be filled in California. Continue to order such prescriptions from the Pharmacy where your prescriptions are on file.

Natural Vitamins (Continued)

ss) ntrated ex-I vegetable

	PRI	CE
	2.	99

ABLETS

PRICE ... 3.29



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y Lecithin

· · · · · · · · · · · · · · · · · · ·	PRICE
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e Note

California 201 Long 848. Your original, ed in the

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PROTEIN TABLETS

An all natural high protein food supplement in convenient tablet form.

RODUCT NO.	QUANTITY	PRICE
/082-1	500	 4.99

NATURAL PROTEIN POWDER

A palatable protein powder from natural sources which can be easily mixed with milk or any hot or cold liquid. Vanilla.

FRODUCT NO.	QUANTITI	PRIVE
V512-1 1	lb	4.25



HI POTENCY NATURAL VITAMIN/MINERAL TABLETS

EACH TABLET CONTAINS:

Vit. A (Fish Liver Oil)10,000 USP Un. Vit. D (Fish Liver Oil)400 USP Un. Vit. B-1 (Yeast)
Folic Acid (Yeast)
Vit. C (Rose Hips Conc. With Vit. C)
Phosphorus (Bonemeal)31.67 mg. Iron (Ferrous Fumarate)10 mg. Iodine (Kelp)16.7 mcg.
PRODUCT NO. QUANTITY PRICE
V046-1 180 5.98 V046-3 360 9.95
These prices off

MISCELLANEOUS VITAMINS AND MINERALS

	VITAMIN A		9 . T
PRODUGT NO.	ITEM	QUANTITY	PRICE
	Formula No. 151		
V151-1	10,000 Units	100	1.49
V151-3	10,000 Units		3.79

VITAMI	Formula No. 155 155-3 25 mg		
PRODUCT NO.	ITEM	QUANTITY	PRICE
	Formula No. 1	55	
V155-3	25 mg		2.59
	Formula No. 1	57	
V157-3	50 mg		2.89
	Formula No. 1	59	
V159-1	100 mg		1.99
V159-3	100 mg		4.86

VITAMIN B-12

RODUCT NO.	ITEM	QUANTITY	PRICE
	Formula No. 161		
V161-1	25 mcgm	100	1.16
V161-3	25 mcgm	300	3.12
	Formula No. 163		
V163-1	50 mcgm	100	1.95
V163-3	50 mcgm	300	5.29
	Formula No. 164	1 and the second	
V164-1	100 mcgm	100	2.39
V164-1	100 mcgm	100	2.39

VITAMIN C (Ascorbic Acid)

PRODUCT NO.		ITEM	QUANTITY	PRICE
	Form	ula No	. 167	
V167-1	100	mg .		2.55
V167-3			./1000	7.66
	Formu	ila No	. 169	a series and the
V169-1	250	mg.		1.59
V169-3				3.89
V169-5				9.69
	Formu	ila No	. 171	
V171-1	500	mg .		1.89
V171-3				4.89
V171-5			1000	14.99
10	Formu	la No	. 174	
V174-1	100	0 mg		2.98

VITAMIN C, CHEWABLE Fruit Flavored PRODUCT NO. ITEM QUANTITY PRICE

	Formula	a No. 30	03	
V303-1	250 m	ıg		2.19
V303-3	250 n	ng	300	5.39

0	OMPARE A	ND SAVE-	
	FERROUS S	ULFATE	
PRODUCT NO.	Formula N	QUANTITY 0. 173	PRICE
V173-3	5 gr		2.29
V027-1	Feosol Tab	s 100	1.93
Viata d	Formula I		
V373-1		ps100	2.79
V028-1	Feosol		
	Spansule	as30	2.16

-COMPARE AND SAVE-



VITAMIN C TIMED RELEASE 500 mg. Pellets are prepared to release the Vitamin C over a period of approximately 8 to 10 hours.

	CAPSULE	S	
PRODUCT NO.	ITEM	QUANTITY	PRICE
V172-1	Formula No. 172	100	3.49

CO	OMPARE AN D LIVER OIL d D Concentr	TABLETS	and the second day of
PRODUCT NO.	Formula No	QUANTITY 0. 193	PRICE
V193-3	Vit. A-4000, Vit. D-40	0300	2.89
V517-1	White's Cod tabs		1.59

	OMPARE AN	and the second se	
	VIOSTEROL	Designation of the local design of the local d	and the second
PRODUCT NO.	Formula	QUANTITY	PRICE
V175-1	No. 175 Formula	100	1.61
V175-3	No. 175 Formula		3.99
V175-5	No. 175		10.95
V013-1	Calcicaps .	100	1.49
V013-3	Calcicaps .		5.79
V023-1	DiCal D Cap	s.	
	Abbotts .		2.86
V024-3	Calcium, Pheand Vit D	osphate	
	Squibbs .		6.39

CALCIUM GLUCONATE

PRODUCT NO.	ITEM	QUANTITY	PRICE
	Formula No. 1	43	
V143-3	7½ gr		2.98
V015-1	Calcium Gluco	nate	
	(Lilly) 151/2 g	yr100	5.49

CALCIUM LACTATE TABLETS

PRODUCT NO.	ITEM	QUANTITY	PRICE
V255-1	Formula No. 255 5 gr		2.34
V257-1	Formula No. 257 10 gr		2.98
an and the second second			

These prices effective as of February 1, 1979. Prices subject to change without notice

Miscellaneous Vitamins (Contd.)

NIACINAMIDE (Nicotinamide)

PRODUCT NO.	ITEM	QUANTITY	PRICE
	Formula No. 185		
V185-1	50 mg	300	2.19
	Formula No. 187		
V187-1	100 mg	300	2.69

NIACIN (Nicotinic Acid)

PRODUCT N	O. ITEM	QUANTITY	PRICE
	Formula No. 181		
V181-1	50 mg		1.89
V181-3	50 mg		4.89
	Formula No. 183		
V183-3	100 mg		2.49
V183-5	100 mg		6.69
and the second			ALC ROLL
	A CONTRACTOR		1 A
V067-1	Pantothenic Acid	AND AND AND ADDRESS AND ADDRESS OF	
	Complex Facto		
	100 mg. Tab	100	1.89
2			
V055-1	POTASSIUM TAI	BLETS	
	With Vitamin C		
	Chewable	100	1.99
Each 2 T	abs—78 mg Pota	ssium	
的人物的问题		A	and the second

PYRIDOXINE (Vitamin B-6)

PHUDUCI M	U. IICM	UDAWITT	PHILE
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Formula No. 273		
V273-1	10 mg	100	1.29
	Formula No. 275		
V275-1	25 mg	100	1.59
	Formula No. 277		
V277-1	50 mg	100	1.89
	Formula No. 278		
V278-1	100 mg	100	2.49
and the second			Jac a del

RIBOFLAVIN (Vitamin B-2)

PRODUCT NO.	ITEM	QUANTITY	PRICE
	Formula No. 279		
V279-1	5 mg	.100	1.29
	Formula No. 281		
V281-1	10 mg	.100	1.69
	Formula No. 282		
V282-1	25 mg	. 100	1.99

Capsules of Ke	In 25 mg	Leci-
Zinc Tab 15 m	g100	1.49
20 minims .	300	10.69
20 minims .	100	3.98
Contraction of the second		PRICE
	20 minims . 20 minims . Zinc Tab 15 m	Formula No. 190 20 minims 100 20 minims 300<

10

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	1
Econo-1	₽
Contraction of the second s	120

VITAMIN E CAPSULES DL Alpha Tocopheryl Acetate

V417-1	200 I.U.	100	1.99
V417-3	200 I.U.		4.99
V419-1	400 I.U	100	2.98
V419-3	400 I.U		7.98
V421-1	1000 I.U.		6.69

V421-1 1000 I.U.	100 0.09
LAXA.	TIVES
COMPARE	AND SAVE
A COLOR AND AND AND A COLOR AND	QUANTITY PRICE
Formula N	lo. 229
L229-1 Laxative L001-1 Alophen	pills 100 .89
Formula	lo. 231
	ts and Diastase
Caroid La	axative100 2.16
L006-1 Carter's lit	tle pills85 1.83
Formula N	
	a Sagrada, 100 1.69
Colace car	
L010-1 50 mg	
00110105	
COMPARE	AND SAVE
	Bunness
CANALA HO MA	145
	Accise stud
THE RECEIPTION	Tran series
P. Antone and the	And Binson
PRODUCT NO. ITEM	QUANTITY PRICE
Formula N	lo. 249
Dioctyl Sodium S L249-1 Stool Softe	Stand Standard Standards - Standard
100 mg.	100 2.98
L249-3 Colace ca	300 6.96 Ipsules,
	60 5.69
COMPARE	AND SAVE
PRODUCT NO. ITEM	QUANTITY PRICE
NEW Formula N	
Dioctyl Sodium S	ulfosuccinate
L260-1 250 mg	100 4.39

ALL NRTA-AAR	P FORMULAS	APPEAR IN	RED
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Laxatives (Continued)
PRODUCT NO. ITEM QUANTITY PRICE L011-1 Correctol
L012-1 Decholin Tab 100 8.29
L013-1 Dialose
COMPARE AND SAVE
PRODUCT NO. ITEM QUANTITY PRICE
Formula No. 328
E.C. Laxative tabs
L328-1 Bisacodyl 5 mg 100 2.49 L021-1 Dulcolax tabs .100 5.89
COMPARE AND SAVE
UIALDSE PUIS
STOOL SOFTENES
Shine CAXING So CAPADIS SO CAPADIS
The Assessment of the Assessme
PRODUCT NO. ITEM QUANTITY PRICE
NEW ITEM Formula No. 234
Stool Softener with
L234-1 Gentle Laxative 100 3.97
L014-1 Dialose Plus 100 7.59
L018-1 Doxidan100 6.95
L022-1 Evacugen100 1.89
L023-1 Exlax tabs
L023-1 Exlax tabs
L023-1 Exlax tabs
L023-1 Exlax tabs. 48 2.16 L024-3 Feenamint Gum 84 2.99 L027-1 Konsyl 12 oz. 3.34 L028-1 LA Formula 14 oz. 3.03
L023-1 Exlax tabs.
L023-1 Exlax tabs. 48 2.16 L024-3 Feenamint Gum 84 2.99 L027-1 Konsyl 12 oz. 3.34 L028-1 LA Formula 14 oz. 3.03
L023-1 Exlax tabs. .48 2.16 L024-3 Feenamint Gum .84 2.99 L027-1 Konsyl .12 oz. 3.34 L028-1 LA Formula .14 oz. 3.03 COMPARE AND SAVE
L023-1 Exlax tabs.
L023-1 Exlax tabs. .48 2.16 L024-3 Feenamint Gum .84 2.99 L027-1 Konsyl .12 oz. 3.34 L028-1 LA Formula .14 oz. 3.03 COMPARE AND SAVE
L023-1 Exlax tabs.
L023-1 Exlax tabs
L023-1 Exlax tabs
L023-1 Exlax tabs. 48 2.16 L024-3 Feenamint Gum .84 2.99 L027-1 Konsyl .12 oz. 3.34 L028-1 LA Formula .14 oz. 3.03 COMPARE AND SAVE NATURAL VEGETABLE LAXATIVE Image: Compare And Save PRODUCT NO. ITEM QUANTITY PRICE Formula No. 235 Psyllium Mucilloid and L235-1 Dextrose 14 oz. 2.69 L033-1
L023-1 Exlax tabs
L023-1 Exlax tabs. 48 2.16 L024-3 Feenamint Gum 84 2.99 L027-1 Konsyl 22 3.34 L028-1 LA Formula 14 oz 3.03 COMPARE AND SAVE NATURAL VEGETABLE LAXATIVE NATURAL VEGETABLE VEGETABLE VEGE
L023-1 Exlax tabs.

Laxatives



PRODUCT ND.

L250-1 L250-3 L045-3 F

L048-1 Re L051-1 Se L051-3 Se



L267-1

L052-1

L054-1 Se L055-1 Se L053-1 I L056-1 Sit SL L057-1 Sw L059-1 Sw L064-1 Ve

NRT

NATURA An aid in fat and pr Each table Pancreatin Oxbile . . Papain . Duodenal PRODUCT NO. A246-1 . .

Laxatives (Continued)

UANTITY PRICE .60

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VE -NTITY PRICE

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SE PLUS

NTITY PRICE

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2.99 3.34

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oz. oz.

VE -AXATIVE

NTITY PRICE

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6.49

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2.49

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(COMP	ARE A	ND SA	VE -	
			and the second		
PRODUCT NO.		ITEM	QU/	ANTITY	PRICE
	NY MIRROR	nula No	Concern you want		
L250-1 L250-3 L045-3	plu	Colace	ative 1		3.49 7.98 6.29
L051-1 \$ L051-3 \$	Senok Senok	ol ot gra ot gra ARE A	n8 n16	3 oz. 5 oz.	4.17 5.19 8.09
SECON	ALL B. H. Michael Mich	mula N	A CONTRACT OF CONTRACT.	TABLETS TABLETS TAOIROIT TEPATERS	
	Senn	a Cond	centra	te	
L267-1		blets okot		200	3.49
L052-1		blets .	1	00	4.98
L055-1 S		n gran n pow			3.82 3.11
L053-1	Flav	ored .	12	oz.	3.11
	Siblin Surfal	granul cap.	es .16	o oz.	5.98
L057-1	240	mg		100	9.97
		Kriss plate ta			1.99 2.24
NR [*] NATUR An aid i	TA-A		FORN 16 IVE EI	NZYM	ES
fat and					

An ala in the algoston of staronoo;	1
fat and proteins:	I
Each tablet contains:	
Pancreatin2 gr.	
Oxbile	
Papain1 gr.	
Duodenal Substance	
PRODUCT NO. ITEM QUANTITY PRICE	
A246-1 100 3.19	
	fat and proteins: Each tablet contains: Pancreatin

	ANTACIDO						
	ANTACIDS						
RODUCT NO.	ITEM QL	JANTITY	PRICE				
4004-1	Alka Seltzer Gold.	.36	1.43				
4002-1	Amitone Tabs	100	1.73				
4003-1	Amphojel tabs,						
	10 gr	100	2.69				
4006-1	Bisodol tabs		1.89				
4007-1	Camalox	100	3.84				
4008-1	Chooz 20's 3 Pa	cks	1.99				
4010-3	Creamalin tabs	200	4.67				
4011-1	Dicarbosil 12 r	olls	2.63				
4013-1	Gaviscon tabs	100	4.19				
4017-1	Gaviscon 2	.48	4.49				

COMPARE AND SAVE -DI-GEL



QUANTITY PRICE ITEM PRODUCT NO. Formula No. 251 **2.69** 1.69 A251-1 Antacid-Anti-gas 200



Formula N	10.271
RODUCT NO. ITEM	QUANTITY PRI
Mill A day is pursue 2 (2007)	
PURAULAI (27) EIEPINEME SAVIACIS 200 - VARIALIS	toblets times

A271-3	Antacid Tabs		9.69
A016-3	Gelusil tablets		2.93
RODUCT NO.	ITEM	QUANTITY	PRICE

PRODUCT NO.	A COMPANY AND A COMPANY	QUANTITI	FRICE
A015-1	Gelusil M tabs.	100	2.64
A019-1	Kolantyl wafers	96	2.33
A022-1	Mylanta tabs	. 100	1.99
A034-1	Mylanta II tabs.	60	2.08
A023-1	Mylicon tabs	100	4.61
A033-1	Mylicon '80' tabs	. 100	6.12

	ND SAVE -	OMPARE A	C
PRICE	QUANTITY	ITEM	PRODUCT NO.
	0. 263	Formula N	
1.59		Milk Magn	A263-1
	k Magnesia	Phillips Mi	
2.32		tabs	A026-1
	<mark>esia . 200</mark> Ik Magnesia	Milk Magn Phillips Mi	

- COMPARE AND SAVE -



PRODUCT NO. ITEM QUANTITY PRICE Formula No. 201
 A201-1
 Antacid Tabs.
 200

 A201-3
 Antacid Tabs.
 1000

 A020-1
 Maalox tabs.
 100
 1.94 **7.39** 2.06

PRODUCT NO. ITEM QUANTITY PRICE

A035-1	Maalox Plus tabs100	2.42
A021-1	Maalox #2 tabs 100	3.46
A024-1	Pepto Bismol tabs. 60	2.23
A025-1	Phazyme tabs 100	6.49
	Riopan	
A027-1	chew tabs 100	2.29
	Riopan	
A028-1	swallow tabs 100	2.29
A029-1	Rolaids	1.33
A029-3	Rolaids	2.24
A030-1	Syntrogel tabs 100	2.36
A031-1	Titralac tabs 100	2.28
	Tums-	
A032-1	1 doz. rolls144	2.58
A032-3	Tums	1.94

GENERIC PRICE LIST

Please refer to the generic prescription drug chart on pages 22 and 23. The savings could be substantial. We will be happy to quote the price of other prescription needs and medical supplies at any time, just drop us a line.

THIS IS YOUR FALL 1978 NRTA-AARP PHARMACY PRODUCT LIST. PLEASE RETAIN FOR FUTURE USE AND REFERENCE.

These prices effective as of February 1, 1979. Prices subject to change without notice.

HEADACHE AND ARTHRITIC PAIN PREPARATIONS	Headache and Arthritic Pain Preparations (Continued)	Headache and Arthritic Pain Preparations (Continued)	Cole
PRODUCT NO. ITEM QUANTITY PRICE P002-1 Alka Seltzer (foil) .36 1.49	COMPARE AND SAVE	COMPARE AND SAVE	PROD
P002-3 Alka Seltzer (foil) .72 2.89			
P005-1 Ascriptin 1.69 P005-3 Ascriptin 7.29		Crusses	C40
COMPARE AND SAVE			A C02
	and the second s		C021
	Atthritis	TYLENOL	
	Contraction of the second seco	ATT ANTIQUE EN	
		CO CADEDOTO	
TITLE MILLE	PRODUCT NO. ITEM QUANTITY PRICE		
	Formula No. 243 Buffered Arthritis	PRODUCT NO. ITEM QUANTITY PRICE	
Secret Contraction	P243-1 Formula 100 1.39	Formula No. 305 Acetaminophen	
PRODUCT NO. ITEM QUANTITY PRICE	Formula No. 243	P305-1 5 gr 100 1.29	
Formula No. 371 Extra Buffered	*Buffered Arthritis P243-3 Formula 300 3.49	P305-3 5 gr 300 3.49 P017-1 Tylenol tablets 100 2.05	
P371-1 Aspirin 200 2.99	Bufferin Arthritis	P017-3 Tylenol tablets 200 3.38	PRODU
Ascriptin A/D P356-1 Tablets100 2.11	P009-1 Formula100 2.27	Formula No. 309 Acetaminophen Extra Strength	
Ascriptin A/D		P309-1 500 mg, 7½ gr 200 2.89	1
P356-3 Tablets 500 9.14	COMPARE AND SAVE	Tylenol Extra Strength P357-3 Tablets100 2.68	C20
COMPARE AND SAVE	PRODUCT NO. ITEM QUANTITY PRICE Formula No. 213	P008-5 Datril 500 mg 72 1.59	C02
PRODUCT NO. ITEM QUANTITY PRICE	P213-1 Aspirin Comp. 200 2.29		
P209-1 Analgesic Tabs 200 2.19	P213-3 *Aspirin Comp. 500 4.89 P012-1 Empirin comp. 100 1.56	COLD AND ALLERGY	PROD
P003-3 Anacin 200 3.49	P012-3 Empirin comp. 250 3.35	REMEDIES	*
Anacin Arthritis Pain P004-1 Formula100 2.29		PRODUCT NO. ITEM QUANTITY PRICE	C2
Anacin Arthritis Pain	P014-1 Excedrin tabs 100 2.07	, C005-1 Spray15cc 1.59	C02
P004-3 Formula	P014-3 Excedrin tabs 225 4.19	C002-1 Alka Seltzer Plus 36 1.03	C028
COMPARE AND SAVE	P013-1 Excedrin PM tabs80 2.63 P011-1 Ecotrin 5 gr100 1.97	C003-1 Allerest	
	P011-3 Ecotrin 5 gr 250 4.66		PROD
	Lilly A.S.A. P020-1 Enseals 5 gr 100 2.15	C013-1 Benzedrex Inhaler . 1.09	FNOD
and a second sec	P021-1 Enseals 10 gr100 3.79	C014-1 Blistex0.14 oz41	Ca
BAYER	P015-1 Measurin60 2.49 P019-1 Pabalate tabs100 4.47	C017-1 Bronk-aid Mist Unit. 3.67	C20
HITE TALL AND	P001-1 Percogesic tabs100 5.39	CU18-1 Bronk-aid refills 15cc 3.27	C02
	P016-1 Persistin	C018-3 refills 22.5cc 4.67	and the second
PRODUCT NO. ITEM QUANTITY PRICE		C016-3 Bronk-aid tabs 60 2.94	PROD
Formula No. 283		COMPARE AND SAVE	PROD
P283-1 Aspirin 5 gr. 500 2.33 P006-3 Bayer Aspirin .300 3.22	NRTA-AARP FORMULA		C2-
	No. 291		The second second
Bayer Timed 2007-1 Release Aspirin .72 2.39	Ru-Mex Pain Relievers		COS
Bayer Timed Release	RU-MEX is a modern medicine for temporary relief of pain of arthritis,		
P007-3 Aspirin125 3.29	bursitis, lumbago, rheumatism and minor pains of joints and muscles.		C034
PRODUCT NO. ITEM QUANTITY PRICE	TABLET contains: Salicylamide, So-	Harristanti and Andread An Andread Andread And	C036
Formula No. 203	dium Para Aminobenzoate, Niacin,	TELEST AND	
Buffered P203-1 Aspirin 200 1.69	Thiamin Mononitrate.	PRODUCT NO. ITEM QUANTITY PRICE	C033 C037
*Buffered	PRODUCT NO. ITEM QUANTITY PRICE	PRODUCT NO. ITEM QUANTITY PRICE Formula No. 351	C039
P203-3 Aspirin 1000 6.35 P010-1 Bufferin tablets 100 1.96	P291-1 Price 100 1.95	Chlorpheniramine	C040
P010-3 Bufferin tablets 375 5.93	NRTA-AARP P291-3 Price 300 4.99	C351-1 4 mg100 1.98 Chlortrimeton	C041
Non-Safety Caps	P291-3 Price 300 4.99	C009-3 4 mg100 3.86	1. 1. 1. 1. 1. 1. 1.

						PRODUCT NO.	ITEN
		Same and the					Formula I
		PRICE	PRODUCT NO		TY PRICE		Antibad
					1. 1.		Anesth
		1 40	0000 4				Throat
C403-1 Contac	Caps 24		C223-1		. 1.07		Cepacol
0022-0 00mac	Oaps40	3.11	0042-1		1 10		Chlorase
			0042-1	utops 1 oz.	1.19	C029-1	Listerine Barks Day
Cold ta	the 24	1 64	and the second second		to granding	C028.1	Parke Day
Cold ta	10524	1.04		COMPARE AND SAVE			Throat Spec T TI
COMPARE	AND SAVE -		PRODUCT NO). ITEM QUANTI	TY PRICE	0040-1	Sucrets
Oolim And	ANDORTE		CALCER 1	Formula No. 001		C049-1	Throat
					Sale and	Address of the second se	Vicks Con
			C221-1		1 25	00011	Hold Cou
			and the second second	And the second sec	ALL CONTRACTOR	C004-1	Loz.
and the second sec	The second secon		C046-3	Sinex spray 30cc	2.17		
	Coricidin.			Formula No. 323			
TOTAL STREET	TABLETS			Long Acting Decon	gestant		SUPPOS
	A State of the second s	New C	C323-1				
			C043-3				COMPARE
DRODUCT NO ITEL	OUANTITY	DRICE		the state by the second		PRODUCT NO	D. ITEN
State of the state		FRICE					Formula
And the second se				NEW ITEM			Hemo
				and the second of the second second		L215-3	Suppo
		2 28	C. Per Star			L002-3	Anusol
			and the second	the second s		L004-1	Calmol-4
		1.1.1	THE REPORT OF THE PARTY OF THE		he and		Nuperca
						and the second se	Supp.
COMPARE	AND SAVE -					L044-1	Pazo Su
		PRICE	C047-1	Sinutabs30	2.09		Rectal N
					12076 1 1 1008	L032-3	Suppo
		1 - 1 - 2 -	C050-3	Vaponefrin 30c	c 7.79	L065-1	Wyanoid
		and the second se					
C024-3 Coricidi	n D tab. 100	4.49					COMPARE
			ALLER	GONALLERGYEOF	AUIM	AND A COMPANY AND	
C028-5 Dristan ta	ablets 100	4.77	and the second se		CARLES CONTRACT	PRODUCT NO	Formula
							Astrin
COMPARE	AND SAVE -					L216-3	Suppo
		PRICE					Prepara
						L047-3	Supp.
							Prepara
		.98				L047-5	Supp.
		2.40	toms a	ising of Hay Fever an	d other		4
CU27-3 spray		2.49			poison		COMPARE
	and the second		And the second state of the second state of the second state of the		Sec. Sec.		
	AND SAVE -	-	the second of the second second second		and the second and		
	Contraction of the second	PRICE	P289-1		1.29		11.2
	the second s			Formula ,	the second		BRIES
	and the second		P289-3	No. 289 144	3.49		Diama Survey
		.98	La contraction			C	Set Market
		n,		VAVE TADI	ANS NO		No.
		1.29	The second states and the second states and the		The second s		LAXATIVE
						and a second	LA
Neosyner	hrine						
C034-1 1/2 %	1.07	1.43				LISS?	
			colas,		cessive	PRODUCT NO	
		1.56	muscul		No. 1 And And		Formula
					1.00		Laxat
		1.53	P287-1	50 tablets	1.29	and a summer	Bisac
Construction of the second						L218-1	10 mg
			Contraction of the second			L020-1	Dulcolax
	The second s		RECOVERED DORSDOOD V Land -	D AN EXTRA CATAL	DG?	L020-5	Dulcolax
				s to send one to a	friend?	De Carton	
		3.59		op us a line and we	and the second		Formula
			ouor ar	op us a mie and we	min put	and the set of the	
Primatene	e Mist	A STORE	one in	the mail.			Glyceri
	PRODUCT NO. ITEM Formula Timeo C403-1 CO22-3 Contac CO22-3 Contac CO22-3 COMPARE COMPARE Formula Antihi Analg C205-3 CO26-3 CO26-3 CO26-3 CO26-3 COMPARE PRODUCT NO. ITEM Formula Decor C217-3 CO1d C024-3 CO26-3 CO26-3 CO26-3 CO26-3 CO26-3 CO26-3 CO27-1 PRODUCT NO. ITEM Formula Decor C217-3 CO1d C024-3 CO27-1 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C027-3 Spray C027-1 Spray C0	PRODUCT NO. ITEM QUANTITY Formula No. 403 Timed Release C403-1 Cold Caps 24 C022-3 Contac Caps. .40 C021-1 Co Tylenol Cold tabs	PRODUCT NO. ITEM QUANTITY PRICE Formula No. 403 Timed Release 1.49 C022-3 Contac Caps40 5.11 C021-1 Co Tylenol Cold tabs 1.64 C021-1 Co Tylenol Cold tabs 1.64 COMPARE AND SAVE Image: Comparison of the system	PRODUCT NO. ITEM QUARTITY PRICE Formula No. 403 Timed Release C223-1 C022-3 Contac Caps. 24 1.49 C022-3 Contac Caps. 24 1.64 C021-1 Co Tylenol Cold tabs C042-1 C042-1 C021-1 Co Tylenol Cold tabs C223-1 C042-1 C021-1 Co Tylenol Cold tabs C221-1 C042-1 C021-1 Co Tylenol Cold tabs C221-1 C042-3 Frenduct No. ITEM QUANTITY PRICE Formula No. 205 Antihistamine- Analgesic C042-3 C205-3 Coricidin tab. 100 3.63 Formula No. 217 Decongestant C047-1 C047-3 Coid tab. 100 2.49 C028-5 Dristan tablets .100 4.77 PRODUCT NO. ITEM QUANTITY PRICE Formula No. 217 Decongestant C323-1 C028-5 Dristan nasal .100 4.77 C027-3	PRODUCT NO. ITEM QUANTIY PRICE Formula No. 403 Timed Release COMPARE AND SAVE C021-1 Co Tylenol Cold tabs	PRODUCT NO. ITEM QUARTITY PROLE C403-1 Cold Caps. 24 1.49 C0223-2 Cold Caps. 24 1.49 C0223-1 Cold Caps. 24 1.49 C0223-1 Cold Caps. 24 1.64 C021-1 Co Tylenol Cold tabs 221 Decongestant Cold Tabs Cold Tabs 228 Cold-3 Sinex Spray 30cc 1.35 Cod2-3 TEM QUARTITY PRODUCT NO. TEM	Instruct No. TIM QUARTITY FRICE Formula No. 203 Construct No. Construct No.

Cold and Allergy Remedies (Cont.)

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VE -LENOL

NTITY PRICE

n 00 00 00 00 **1.29 3.49** 2.05 3.38

rength 00 2.89 ength 00 2.68 72 1.59

RGY

IANTITY	PRICE
500 000	1.59
36	1.93
.75 .40	3.37 1.44
40	1.44
oz. 50	.41
t 5cc	3.67 3.27
5cc	4.67
.60	2.94

TITY PRICE 0 1.98 0 3.86

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f

Cold and Allergy Remedies (Cont.)

	OMPARE AN	ID GAVE -	
PRODUCT NO.	ITEM	QUANTITY	PRICE
	Formula No	. 223	
	0.05% Na	phazoline	
C223-1	Nasal dro		1.07
	Privine nose	9 [']	
C042-1	drops		1 19

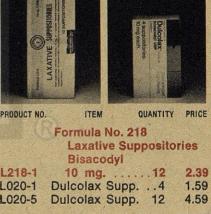
THROAT LOZENGE

PRODUCT NO.	ITEM ,	QUANTITY	PRICE
	Formula No. 269		
	Antibacterial-		
	Anesthetic		
C269-1	Throat Lozeng	les 24	.98
C019-1	Cepacol Lozenge	e .24	.79
C020-1	Chloraseptic Loz	18	1.12
C029-1	Listerine Lozeng	e.24	1.09
	Parke Davis		
C038-1	Throat Discs	60	.68
C048-1	Spec T Throat Lo	oz. 10	.99
	Sucrets		
C049-1	Throat Loz	24	1.38
C051-1	Vicks Cough Dis	cs 24	1.47
	Hold Cough	0 S	
C004-1	Loz	.10's	1.07

SITORIES

		OFFOSITORIES				
Contraction of the local distance of the loc	COMPARE AND SAVE					
	PRODUCT NO.	ITEM QUANTITY	PRICE			
		Formula No. 215				
		Hemorrhoidal				
	L215-3	Suppositories 24	1.69			
	L002-3	Anusol Supp24	3.63			
	L004-1	Calmol-4 Supp24	2.59			
		Nupercainal				
	L042-3	Supp24	3.24			
	L044-1	Pazo Supp24	3.39			
		Rectal Medicone	San San			
	L032-3	Suppositories 24	2.99			
	L065-1	Wyanoid Supp12	2.09			
	and the second					
			1			
1		OMPARE AND SAVE -				
	PRODUCT NO.	Formula No. 216	PRICE			
		Astringent Rectal				
	L216-3	Suppositories 24	1.69			
		Preparation H				
	L047-3	Supp	3.66			
		Preparation H				
	L047-5	Supp	6.16			

RE AND SAVE-



No. 298 arine Suppositories Size 100 2.19

Dear Member:

Here is your new NRTA/AARP Pharmacy Service list. It can only be a partial listing because the Service carries literally thousands of items. There is a representative prescription price list on pages 22-23, and prices of other prescription needs and medical supplies are readily available upon request.

The Pharmacy Service is a non-profit organization run for the benefit of members of our two Associations, intended to help you cut the cost of many medical supplies and prescription drugs and to provide the convenience of home delivery by mail, free of postage or handling charges.

All prescriptions are carefully filled by the Service's registered pharmacists and usually mailed within two working days after receipt, with the bill enclosed. Ask your doctor if you need your prescription drug sooner than mail delivery will allow.

To expedite the delivery system we suggest that the orders and prescriptions be sent to the pharmacy that has been assigned to your area. Please refer to the map on page 27.

The NRTA/AARP Pharmacy Service is not in competition with your local druggist. If he can meet its prices or sell below them and provide the service you require, we encourage you to patronize him. However, there can be wide variations in price, and it is very much worth your effort to shop and compare—and to write your NRTA/AARP Pharmacy for price quotations.

highed

Frank M. Hughes President, NRTA

Cordially

J. Leonard Johnson) President, AARP

EASY ORDERING INSTRUCTIONS

1. Always order under one name, the name under which you want your family charge account carried.

2. Enclose Prescription . . . which must be an original written by your doctor on his prescription form. Copies cannot be filled.

3. Refills on Prescriptions — make sure your doctor indicates the number of refills authorized. When ordering refills, use the prescription number on the label that was assigned by your NRTA-AARP Pharmacy.

4. Vitamins and Nonprescription Medications. Indicate quantity and name of product and product number or NRTA-AARP formula number. 5. Send No Money with Order. You will be billed. There is no delay for credit clearance. Payment is due upon receipt of service.

6. No Postal Charges. The NRTA-AARP Pharmacy pays the postage unless air mail and/or special delivery service is requested.

7. Send your order to the Pharmacy assigned to serve your area. See Map page 27.

Your order will be delayed if you do not:

- 1. Print your name and address clearly on each order.
- 2. Order refills by prescription number.

M093-1 C053-1 C053-3

WUSZ-1

CREA

PRODUCT NO

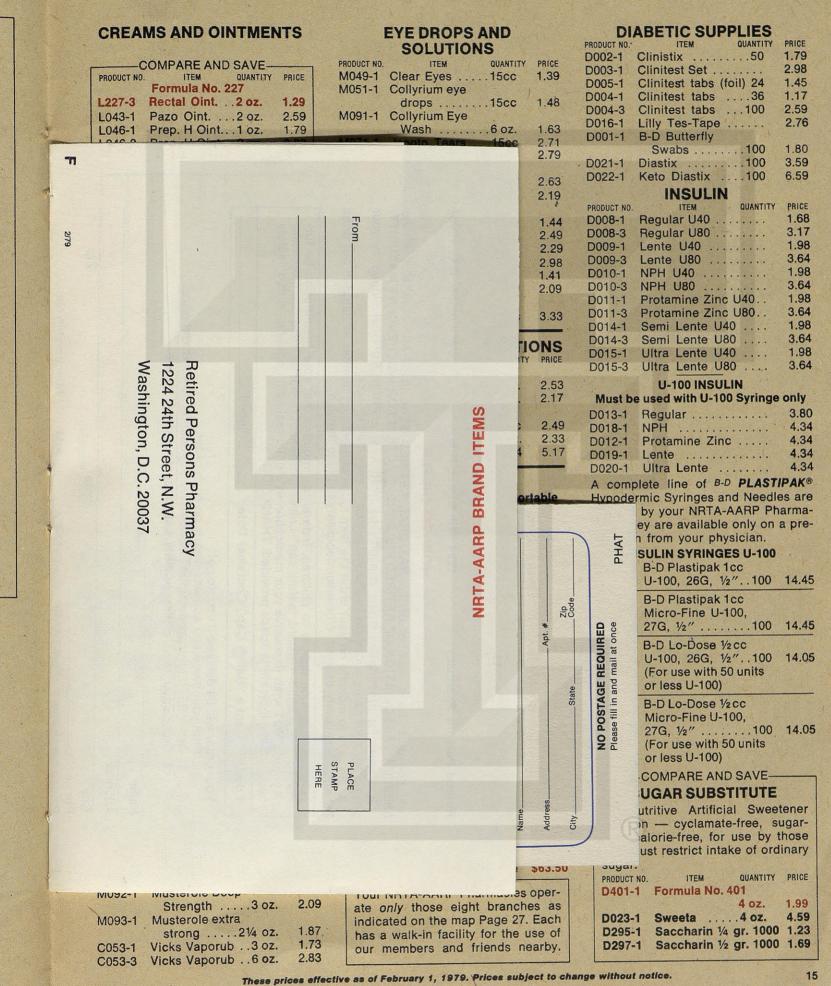
L227-3

L043-1

L046-1

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When ordering refills, use the prescriptio on the label that was assigned by your NR Pharmacy. 4. Vitamins and Nonprescription Me	 Enclose Prescription which mu original written by your doctor on his pre form. Copies cannot be filled. Refills on Prescriptions — make s doctor indicates the number of refills au 	EASY C 1. Always order under one name, t under which you want your family charge carried.	Frank M. Hughes President, NRTA	The NRTA/AARP Pharmacy Serv can meet its prices or sell below you to patronize him. However, th worth your effort to shop and c price quotations.	To expedite the delivery system the pharmacy that has been assi	All prescriptions are carefully fill mailed within two working days a need your prescription drug soone	The Pharmacy Service is a non-p two Associations, intended to he scription drugs and to provide th or handling charges.	tion price list on pages 22-23, and prices of other prescription are readily available upon request.
								ally thousan d prices of
	Retired Pers	sons Pharmacy	1224 24th Stree HOW TO OR		Was	hington, D.	C. 20037	sands of othe
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	2. Orders physician. Y 3. Be sure	ASSOCIATION OF for prescription d our name and addr to indicate on you	of the NATIONAL RE RETIRED PERSONS o rugs can only be fille ess should be clearly i ur order the item name	TIRED TEACHE r ACTION FOR I ed from a PRES ndicated thereou and product nu	NDEPEI CRIPTION.	ON signed	by your	items. There prescription
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14

ALL NRTA-AARP FORMULAS APPEAR IN RED

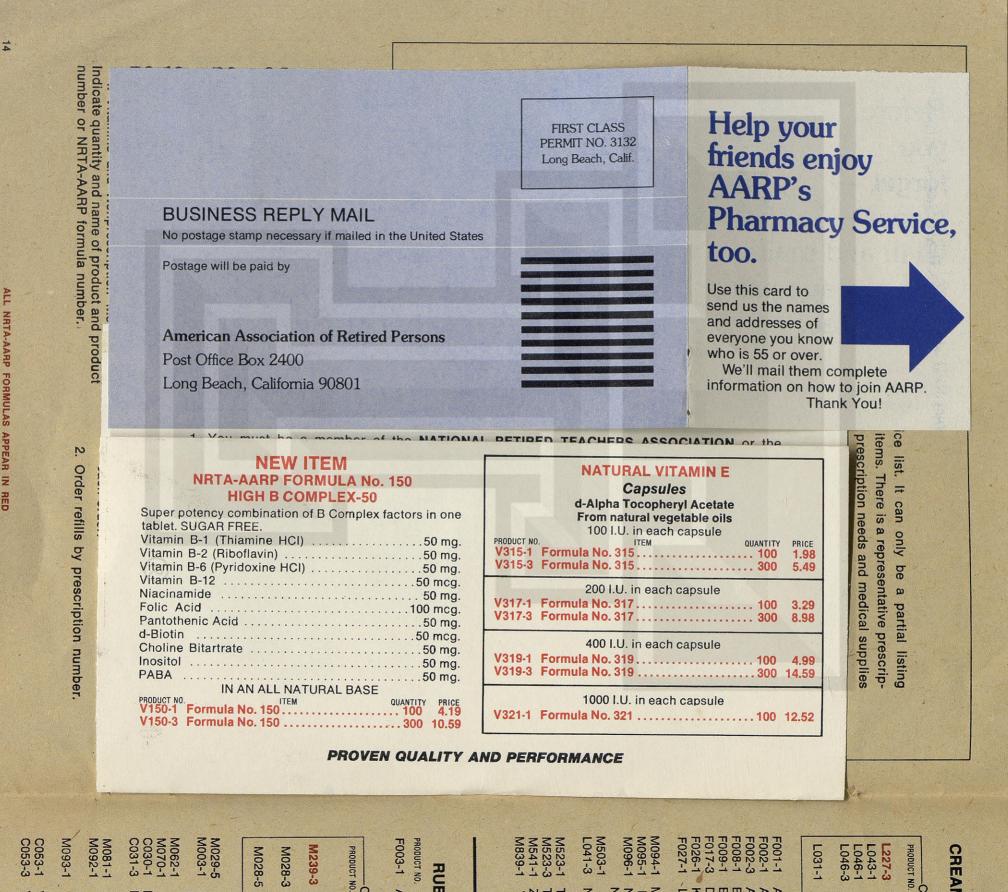
C053-1 C053-3 M093-1

PRODUCT NO.

L227-3 L043-1 L046-1 CREA

Quantity	Product Number	Items Desired	Size	Price*

	COMPARE AND SAVE PRODUCT NO. ITEM QUANTITY PRICE Formula No. 227 L227-3 Rectal Oint2 oz. 1.29 L043-1 Pazo Oint2 oz. 2.59 L046-1 Prep. H Oint1 oz. 1.79		PRICE 1.79 2.98 1.45 1.17 2.59 2.76 1.80 3.59 6.59
Zip p No.	Price*	ION NOT	PRICE 1.68 3.17 1.98 3.64 1.98 3.64 1.98 3.64 1.98
Membership No.	Size		3.64 1.98 3.64 only
State	scription And You" at \$2.50 ea. ms Desired	Anti to the following persons are 55 years of age or over, and I feel they can benefit from membership in The American Association of Retired Persons. Please mail complete information to:	3.80 4.34 4.34 4.34 4.34 IPAK es are arma a pre
	copy(s) of "Your Pre-	Name Name Name Address Address Apt. # City State Code) Name State City State	14.4 14.4 14.0
Address City Phone No.	e send me Product Number	Op Address Apt. # Op Z CityState Code	14.0
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e de ser	M093-1 Musterole extra strong21/4 oz. 1.8 C053-1 Vicks Vaporub3 oz. 1.7 C053-3 Vicks Vaporub6 oz. 2.8		PRICE 1.99 4.59 0 1.23



NO

ALL NRTA-AARP FORMULAS APPEAR Z RED

CREAMS AND OINTMENTS

PRODUCT N	COMPARE AND SAVE-	PRICE
	Formula No. 227	
L227-3	Rectal Oint 2 oz.	1.29
L043-1	Pazo Oint 2 oz.	2.59
L046-1	Prep. H Oint1 oz.	1.79
L046-3	Prep. H Oint2 oz.	2.89
	Rectal Medicone	
L031-1	Ointment 11/2 oz.	1.63
F001-1	A & D Cream 2 oz.	1.09
F002-1	A & D Oint 11/2 oz.	.94
F002-3	A & D Oint 4 oz.	1.52
F008-1	Bacitracin Oint. ,1 oz.	.99
F009-1	Boric Acid Oint. 2 oz.	.59
F017-3	Desitin Oint 41/4 oz.	1.79
F026-1	KY Jelly4 oz.	1.28
F027-1	Lanacane	
	Cream 21/2 oz.	2.49
M094-1	Mycitracin Oint 1 oz.	2.43
M095-1	Myoflex Cream .2 oz.	2.07
M096-1	Neosporin Oint1 oz.	2.33
	Nupercainal	
M503-1	Cream 11/2 oz.	1.45
L041-3	Nupercainal	
	Ointment2 oz.	2.72
M523-1	Tegrin Cream 2 oz.	3.17
M523-3	Tegrin Cream Econ.	5.49
M541-1	Zinc Oxide Oint. 2 oz.	.59
M839-1	Vagisil for Feminine	
Sec. 2. 1	Itching1 oz.	1.59

	and the second second		
RU	BS AND LINI	MENT	5
PRODUCT NO.	ITEM	QUANTITY	
E003-1	Absorbine, Jr.	.4 oz.	1.73
10001			
	COMPARE AND	SAVE-	
PRODUCT N		QUANTITY	PRICE
	Formula No. 23	19	
	Analgesic B		
M239-3	greaseless	4 oz.	1.59
	Bengay,		2.17
M028-3		3 OZ.	2.17
M028-5	Bengay, greaseless	5.07	2.99
101020-0	greaseress	· · · ·	
M029-5	Bengay, regula	r 5 oz.	2.99
M003-1	Banalg		1.39
	Exocaine Medic		
M062-1	Rub		1.29
M070-1	Infrarub		2.43
C030-1	Mentholatum .		1.61
C031-3	Mentholatum De Heat tube		2.79
M081-1	Minit Rub		1.76
M092-1	Musterole Deep		
	Strength		2.09
M093-1	Musterole extra		
	strong		1.87
C053-1	Vicks Vaporub		1.73
C053-3	Vicks Vaporub	6 oz.	2.83

EYE DROPS AND SOLUTIONS

PRODUCT NO.	ITEM	QUANTITY	PRICE
M049-1	Clear Eyes	.15cc	1.39
M051-1	Collyrium eye	1.1.1.1	
	drops	.15cc	1.48
M091-1	Collyrium Eye		
	Wash	.6 oz.	1.63
M071-1	Isopto Tears	.15cc	2.71
M076-1	Liquifilm Tears		2.79
E005-1	Lacrilube Eye		
	Oint	3.5gm	2.63
M090-1	Murine		2.19
M044-1	Ocusol Eye		11 -
	Lotion	.7 oz.	1.44
M512-1	Prefrin		2.49
M522-1	Tearisol		2.29
E001-1	Tears Naturale .	.15cc	2.98
M535-1	Visine drops	.15cc	1.41
M535-3	Visine drops	.30cc	2.09
M542-1	Zincfrin drop-	W. T. Start	
	tainer		3.33
CONT	ACT LENS SO		ONS
PRODUCT NO.			PRICE
M002-1	Allergan		
	Clean-N-Soak	4 oz.	2.53

	Clean-N-Soak 4 oz.	2.53
M013-1	B.H. Wetting Sol. 2 oz.	2.17
M077-1	Liquifilm	
	Wetting Sol 60cc	2.49
M520-1	Soaclens 4 oz.	2.33
M559-3	Soflens refill tabs 24	5.17

OXYGEN

New Lif-O-Gen Model #500 Portable Emergency Oxygen Unit and Accessories

• Over 100 liters (minimum) of U.S.P. Oxygen for medicinal use. • Over 15 minutes (minimum oxygen supply at 6 liters/minute regulated minimum flow rate) • Graduated, visual contents indicator — FULL/½/EMPTY. • Adultsize, Oronasal Oxygen Mask with unique Safe-T-Swivel connection and 2 feet of tubing.

• Assembled unit weighs only 3 pounds.

M500-1 #500 Complete Unit Retail \$39.95 NRTA-AARP Price \$29.95

M509-1 #510 Refill Oxygen Unit Retail 19.95 — disposable NRTA-AARP Price \$14.95 M555-1 #555 TWIN PAC—Complete Unit with push button regulator and extra

disposable refill cyl- inder in carrying	
case. Retail \$84.95 NRTA-AARP Price	\$63.50
Your NRTA-AARP Pharmacies of ate only those eight branche indicated on the map Page 27. has a walk-in facility for the u our members and friends ne	es as Each se of

DIABETIC SUPPLIES

	ABETIC SUPPLIES	
PRODUCT NO.	ITEM QUANTITY Clinistix	PRICE
D002-1	Clinitest Set	1.79 2.98
D003-1	Clinitest Set	Contraction of the second
D005-1	Clinitest tabs (foil) 24	1.45
D004-1	Clinitest tabs36	1.17
D004-3 D016-1	Clinitest tabs100	2.59
D010-1	Lilly Tes-Tape B-D Butterfly	2.76
D001-1	Swabs	1.80
D021-1	Diastix	3.59
D022-1	Keto Diastix100	6.59
DULL-I		0.55
PRODUCT NO.		PRICE
D008-1	Regular U40	1.68
D008-3	Regular U80	3.17
D009-1	Lente U40	1.98
D009-3	Lente U80	3.64
D010-1	NPH U40	1.98
D010-3	NPH U80	3.64
D011-1	Protamine Zinc U40.	1.98
D011-3	Protamine Zinc U80	3.64
D014-1	Semi Lente U40	1.98
D014-3	Semi Lente U80	3.64
D015-1	Ultra Lente U40	1.98
D015-3	Ultra Lente U80	3.64
inter the materians	U-100 INSULIN	
Must be	e used with U-100 Syringe	only
D013-1	Regular	3.80
D018-1	NPH	4.34
D012-1	Protamine Zinc	4.34
D019-1	Lente	4.34
D020-1	Ultra Lente	4.34
	olde Bollio	
A comp	lete line of B-D PLASTI	PAK®
A comp	lete line of B-D PLASTI	PAK®
Hypoder	lete line of B-D PLASTI mic Syringes and Needle	s are
Hypoder stocked	lete line of <i>B-D</i> PLASTI mic Syringes and Needle by your NRTA-AARP Pha	arma-
Hypoder stocked cies. Th	lete line of <i>B-D</i> PLASTI mic Syringes and Needle by your NRTA-AARP Pha ey are available only on a	arma-
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Hypoder stocked cies. Th scription	Hete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, 1/2"100 B-D Plastipak 1cc	arma- a pre-
Hypoder stocked cies. Th scription IN #8409	lete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, 1/2"100 B-D Plastipak 1cc Micro-Fine U-100.	arma- a pre- 14.45
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Hypoder stocked cies. Th scriptior IN #8409 #8410	lete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, ½"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, ½"100 B-D Lo-Dose ½cc U-100, 26G, ½"100	arma- a pre- 14.45
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Hypoder stocked cies. Th scription #8409 #8410 #8410	lete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, 1/2"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, 1/2"100 B-D Lo-Dose 1/2 cc U-100, 26G, 1/2"100 (For use with 50 units or less U-100) B-D Lo-Dose 1/2 cc Micro-Fine U-100,	14.45 14.05
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Hypoder stocked cies. Th scription #8409 #8410 #8475 #8461	hete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, $\frac{1}{2}^{\prime\prime}$ 100 B-D Plastipak 1cc Micro-Fine U-100, 27G, $\frac{1}{2}^{\prime\prime}$ 100 B-D Lo-Dose $\frac{1}{2}$ cc U-100, 26G, $\frac{1}{2}^{\prime\prime}$ 100 (For use with 50 units or less U-100) B-D Lo-Dose $\frac{1}{2}$ cc Micro-Fine U-100, 27G, $\frac{1}{2}^{\prime\prime}$ 100 (For use with 50 units or less U-100)	14.45 14.05
Hypoder stocked cies. Th scription #8409 #8410 #8475 #8461	lete line of <i>B-D</i> PLASTI mic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, ½"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, ½"100 B-D Lo-Dose ½cc U-100, 26G, ½"100 (For use with 50 units or less U-100) B-D Lo-Dose ½cc Micro-Fine U-100, 27G, ½"100 (For use with 50 units or less U-100) COMPARE AND SAVE—	14.45 14.45 14.05
Hypoder stocked cies. Th scription #8409 #8409 #8410 #8475 #8461 \$ Non-Nu Solutio	Idete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, ½2"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, ½2"100 B-D Lo-Dose ½cc U-100, 26G, ½2"100 (For use with 50 units or less U-100) B-D Lo-Dose ½cc Micro-Fine U-100, 27G, ½"100 (For use with 50 units or less U-100) COMPARE AND SAVE— UGAR SUBSTITUTE utritive Artificial Sweeto on — cyclamate-free, su	14.45 14.45 14.05 14.05
Hypoder stocked cies. Th scription #8409 #8409 #8410 #8475 #8461 \$ Non-Nu Solutio	Idete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, ½2"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, ½2"100 B-D Lo-Dose ½cc U-100, 26G, ½2"100 (For use with 50 units or less U-100) B-D Lo-Dose ½cc Micro-Fine U-100, 27G, ½"100 (For use with 50 units or less U-100) COMPARE AND SAVE— UGAR SUBSTITUTE utritive Artificial Sweeto on — cyclamate-free, su	14.45 14.45 14.05 14.05
Hypoder stocked cies. Th scription #8409 #8409 #8410 #8475 #8461 #8461 \$ Non-Ni Solutio free, c	Idete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, 1/2"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, 1/2"100 B-D Lo-Dose 1/2cc U-100, 26G, 1/2"100 (For use with 50 units or less U-100) B-D Lo-Dose 1/2cc Micro-Fine U-100, 27G, 1/2"100 (For use with 50 units or less U-100) COMPARE AND SAVE— UGAR SUBSTITUTE utritive Artificial Sweete	14.45 14.45 14.05 14.05
Hypoder stocked cies. Th scription #8409 #8409 #8410 #8475 #8461 #8461 \$ Non-Ni Solutio free, c	Alete line of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, ½2"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, ½2"100 B-D Lo-Dose ½cc U-100, 26G, ½2"100 (For use with 50 units or less U-100) B-D Lo-Dose ½cc Micro-Fine U-100, 27G, ½2"100 (For use with 50 units or less U-100) COMPARE AND SAVE— UGAR SUBSTITUTE utritive Artificial Sweete on — cyclamate-free, su	14.45 14.45 14.05 14.05
Hypoder stocked cies. Th scription #8409 #8409 #8410 #8475 #8461 #8461 \$ Non-Nu Solution free, co who m sugar. PRODUCT M	The first of <i>B-D</i> PLASTI rmic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, $\frac{1}{2}^{"}$ 100 B-D Plastipak 1cc Micro-Fine U-100, 27G, $\frac{1}{2}^{"}$ 100 B-D Lo-Dose $\frac{1}{2}$ cc U-100, 26G, $\frac{1}{2}^{"}$ 100 (For use with 50 units or less U-100) B-D Lo-Dose $\frac{1}{2}$ cc Micro-Fine U-100, 27G, $\frac{1}{2}^{"}$ 100 (For use with 50 units or less U-100) COMPARE AND SAVE— UGAR SUBSTITUTE utritive Artificial Sweete alorie-free, for use by the ust restrict intake of ordien 10. ITEM QUANTITY	14.45 14.45 14.05 14.05
Hypoder stocked cies. Th scription #8409 #8409 #8410 #8475 #8461 #8461 \$ Non-Nu Solution free, co who m sugar. PRODUCT M	Idete line of <i>B-D</i> PLASTI mic Syringes and Needle by your NRTA-AARP Pha ey are available only on a from your physician. SULIN SYRINGES U-100 B-D Plastipak 1cc U-100, 26G, 1/2"100 B-D Plastipak 1cc Micro-Fine U-100, 27G, 1/2"100 B-D Lo-Dose 1/2 cc U-100, 26G, 1/2"100 (For use with 50 units or less U-100) B-D Lo-Dose 1/2 cc Micro-Fine U-100, 27G, 1/2"100 (For use with 50 units or less U-100) B-D Lo-Dose 1/2 cc Micro-Fine U-100, 27G, 1/2"100 (For use with 50 units or less U-100) COMPARE AND SAVE— UGAR SUBSTITUTE utritive Artificial Sweete on — cyclamate-free, su alorie-free, for use by th ust restrict intake of ordinate (). ITEM QUANTITY Formula No. 401	14.45 14.45 14.05 14.05

These prices effective as of February 1, 1979. Prices subject to change without notice.

PROVEN QUALITY AND PERFORMANCE

100 300 300

V150-1 Formula No. 150

4.19 10.59

12.52

100

V321-1 Formula No. 321

I UUU I.U. III EACH CAPSUIE

D297-1 Saccharin 1/2 gr. 1000 1.69

D023-1 D295-1 Sweeta4 cz. 4.59 Saccharin ¼ gr. 1000 1.23

MISCELLANEOUS

PRODUCT NO.	ITEM QUANTITY	PRICE
M001-1	Acidulin pulvules 100	6.34
M011-3	Back plasters	
	J & J heavy duty	1.39
	J & J regular	.80
M012-1	Bactine Spray, 4 oz.	1.39
M009-1	B.F.I. Powder, 11/4 oz.	1.47
M045-1	Cruex Spray Powder-	
1000 100 11	itching 3.5 oz.	2.94
M048-1	Chapstick	.45



D006-1	Co-Salt	.89
M546-1	Debrox Ear	
	Drops15cc	2.13
M057-1	Doans Pills48	1.99
M057-1		Section of the sectio

-COMPARE AND SAVE-



T002-1	Anbesol	0.74 oz.
T003-3	Amosan	40
T023-1	Glyoxide	2 oz.
T024-1	J & J Dental	
	Floss	.200 yds.
T025-1	J & J Dental	A Start
	Таре	.100 yds.
	Pearl Drops	
T031-1	Regular	3 oz.
T032-1	Spearmint	
T038-1	Sensodyne	
	Paste	4 oz.
T039-1	Stimudents	
	4 P	kgs. of 25
A REAL PROPERTY AND A REAL	Thormodont	
T040-1	Thermodent	
T040-1	Paste	
_	Paste	4¼ oz.
	Paste	4¼ oz.
	Paste	4¼ oz.
	Paste DENTURE I COMPARE AN	4¼ oz.
	Paste DENTURE I COMPARE AN D. ITEM	41/4 oz. NEEDS ND SAVE QUANTITY
	Paste DENTURE I COMPARE AN D. ITEM E Z Efferves	41/4 oz. NEEDS ND SAVE- QUANTITY Scent
	Paste DENTURE I COMPARE AN D. ITEM E Z Efferves Blue Den	41/4 oz. NEEDS ND SAVE- QUANTITY Scent ture
PRODUCT N	Paste DENTURE I COMPARE AN D. ITEM E Z Efferves	41/4 oz. NEEDS ND SAVE QUANTITY Scent ture

DENTAL NEEDS

ITEM

QUANTITY PRICE

2.79 2.85

2.98 2.25

2.47 1.47

1.47 1.63

.78

1.47

PRICE

1 69

PRODUCT NO.

1013-	I ablets ov	1.03
T036-1	Polident Tablets 40	1.37
T036-3	Polident Tablets 84	2.43
T017-1	Efferdent Tablets 40	1.37
T017-3	Efferdent Tablets 96	2.74
004-1	Benzodent1 oz.	2.12
015-1	Dentu Cream	
	(Wernet's) .5.75 oz.	1.47
	EZO Denture Cushions	
060-1	Uppers Reg. 12	1.36
061-1	Lowers Reg15	1.36
021-1	Fasteeth 31/2 oz.	1.94
022-1	Fixodent 21/z oz.	1.84
027-1	Orafix $\ldots 2^{1/2}$ oz.	1.49
	Polident	
034-1	Dentu Grip	
	(Adhesive) 3.55 oz.	2.47
035-1	Denture Powder	
	(Cleanser) 10 oz.	1.58
033-3	Poli-Grip2.5 oz.	1.56
037-1	Rigident powder	
	(Adhesive) 3 oz.	1.99
001-1	Super Poli-grip 2.4 oz.	1.74

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HELP US CELEBRATE PHARMACY NUMBER EIGHT

The fall of 1978 will introduce our newest addition, PENNSYLVANIA RETIRED PERSONS PHARMACY Iocated just outside Philadelphia, Pennsylvania. So, after you have vis-ited Independence Hall and seen the Liberty Bell, take a short drive out to 450 YORK ROAD, WARMIN-STER, PA., 18974. See this most modern pharmacy with lots of free parking. Meet our friendly folks, join them in coffee and a nice tour and chat. They will be delighted to meet with you. Everyone is invited and all will be made most welcome. Help us celebrate!

ALL NRTA-AARP FORMULAS APPEAR IN RED

TOOTHBRUSHES

PRODUCT NO.	ITEM	PRICE
	DR. WEST'S	
T011-1	Soft	.49
T010-1	Medium	.49
T009-1	Hard	.49
T016-1	Denture	.67
Same as	LACTONA	1
T012-1	Natural Bristle, Med.	.98
T013-1	Nylon, Bristle, Med.	.79
T043-1	Oral-B 35 Toothbrush	.84
T029-1	Oral-B 40 Adult	.84
T030-1	Oral-B 60 Adult	.84
T028-1	Oral-B Denture Brush	.78
SQUIBB	'S BROXODENT AUTOMAT	FIC*
Contains	electric unit with 4 brus	shes.
Controll	ed action to prevent injui	ry to
soft tiss	ues and enamel.	
PRODUCT NO.		PRICE
T018-1	NRTA-AARP Price	20.50
T005-1	Refill Brushes 2's	1.19
	NEL MELSERS	

FOOT REMEDIES DR. SCHOLLS

	DIL CONCLEO	
PRODUCT NO		PRICE
M033-1	Insoles Women5-10	.74
M034-1	Insoles Men8-12	.74
M035-1	Zino Corn pads 12	.74
M038-1	Zino Callus pads6	.74
M039-1	Foam Ease	
	Corn pads12	.57
M040-1	Foam Ease	N. T
	Callus pads6	.57
M041-1	2 drop corn/callus	
	remover	.89
M042-1	Foot Powder 7 oz.	1.44
M563-1	Soap and Soak 10's	1.09
M564-1	Moleskin 7" x 30" Ea.	1.59
M066-1	Moleskin 3 x 44	.61
M833-1	Odor destroying	
	Insoles1 pr.	1.36
This is	only a partial listing of	of Dr
	products.	
	producio	
M056-1	Desenex Soap 31/4 oz.	.73
M054-3	Desenex Oint, 1.8 oz.	2.27
M055-1	Desenex Powder 3 oz.	2.27
M053-1	Desenex Aerosol	2.10
10000-1	Spray2.7 oz.	2.23
M072-1	Johnson Foot	2.20
NOT Z-1	Soaplarge	1.19
M700-1	Johnsons	1.10
MILOO I	Odor Eater 3 pr.	2.99
M531-1	Tinactin Cream 1/2 oz.	2.85
M532-1	Tinactin Liquid 1/3 oz.	2.48
M533-1	Tinactin Powd. 1½ oz.	1.76
M065-1	NP-27 Liquid4 oz.	1.88
	For Athlete's Foot	1.00
W. A. Star	i of Athlete Si OOt	
25 (00 000 PRESCRIPTIONS	Notes and

25,000,000 PRESCRIPTIONS Your NRTA-AARP Pharmacies were awarded plaques by many major pharmaceutical manufacturers in recognition of having filled 25,000,000 prescriptions. Our thanks to them and to you.

*See page 7

	PRODUCT NO.	
	F010-3	CCC
		いていたいの
	BAND-A F011-1 F012-1 F011-5 F013-1	
	F023-1 F023-2 F023-3 F025-1 F024-1 F020-0	
	F031-1 F031-3 F032-1 F032-3 F033-1 F033-3	
	T F034-1 F035-1	
	F036-1 F036-3 F037-1 F037-3	
	F022-1 F021-1	A CONTRACTOR
	MICF	South Borry
	F015-1 F015-3	「いいい」というないというないというで
	F016-1 F016-3	「「「「「「「「」」」」」」」」」」」」」」」」」」」」」」」」」」」」」
	FUT	
	F040-2 F040-3	

FII

*See pag

F040-4

	FIF	RST A		LIES	1
	PRODUCT NO.	, I	TEM	QUANTITY	PRICE
		ADHE	SIVE TAP	E	
	F004-1	1/2 in.	x 10 yd		1.02
	F005-1	1 in.)	x 10 yd		1.58
	F006-1	2 in.)	c 5 yd	···· *	1.58
	F010-1 C F010-3 C	Cotton		2 oz.	1.05
			• • • • • • • • • • • •		1.89
		i. Co	: 1943 - 19 19		
	BAND-AI	D BRAI	ND Adhesi	ive Band	dage
	F011-1	1″ st	rips	30	1.16
	F012-1 F011-5	assor	ted strips	70	1.57 2.59
	F013-1		strips		1.09
			a opoio		
		GAUZ	E BANDA	GE	
	F023-1				.70
	F023-2		• • • • • • • • • •		.96
	F023-3 F025-1				1.16 3.33
		Gauze :	surgical 5 stretch	2 in	.70
			stretch		.96
, (STE	RILE PAD	5	
	F031-1	2x2			1.17
	F031-3	2x2	·····	100	4.24
	F032-1 F032-3	3x3 3x3		100	1.47 5.29
	F032-3	4x4			2.46
	F033-3	4x4			8.97
			All sures		
	ТЕ		DHESIVE		
	F034-1				1.39
	F035-1	3x4		20	2.19
	Т	ELFA S	STERILE P	ADS	
1	F036-1	2x3			1.17
1	F036-3	2x3	• • • • • • • •		4.69
	F037-1 F037-3	3x4 3x4			1.94 7.69
		0.4			
	F022-1	AUTO F	IRST AID		
			EL KIT .		5.49
	F021-1 F	FIRST	AID CREA	M	.89
	MICR		FIRST A	ID TAPE	S
			aper 3M		
			180 in		.87 1.39
3	F015-3		180 in	•••••	1.09
			lastic 3M		
			180 in		.87 1.39
	F016-3	тих	100 11		
			ASTIC BA		
			bandage		1.79
			bandage		1.99
1	F040-4 I	Elastic	bandage	4 111.	2.41

PRICE

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1.36 g of Dr.

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2.27

2.16

2.23

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2.85 2.48

1.76

1.88

.61

SUNN PRODUCT NO.		
H018-1	Rubber Gloves, Waterproof, Size: Sm. Med. Lg Pair	9 - A
-	Hot Water Bottle	
H053-1	Deluxe—4 Year NRTA-AARP Price	4.98
	Ice Caps	
H054-1	Ice Cap, 6 in. used for head and face.	
	NRTA-AARP Price	2.98
H054-2	Ice Cap, 9 in. used for	
	all parts of the body.	3.35
Contract in the		0.00
H065-3	Fountain Syringes Deluxe-4 Year	
H003-3	NRTA-AARP Price	4.98
H064-1	Folding Syringe.	
H062-1	NRTA-AARP Price	4.98
1002-1	Feminine Bulb Syringe 8 oz. Capacity.	
	NRTA-AARP Price	3.89
	Combination Hot	
	Water Bottle and	
11000.0	Fountain Syringe	
H063-3	Deluxe—4 Year NRTA-AARP Price	5.95
H016-1	Invalid Cushions All Rubber 16 inches.	
11010-1	NRTA-AARP Price	6.95
	Pootal Suringe	
H061-1	Rectal Syringe Adult size,	
11001-1	8 oz. Capacity.	
	NRTA-AARP Price	2.6
	and the second	and the second

SUNMARK HEATING PADS*

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068-1 Two Year Warranty, waterproof-washable cover.	100%
NRTA-AARP Price	6.99
068-3 Five Year Warranty, waterproof-washable cover.	100%
NRTA-AARP Price	9.97
1827-0 Moist Heat Pad with able terry cloth cover and ce sponge—100% waterproof.	
NRTA-AARP Price	9.79

FEVER THERMOMETER

PRODUCT NO.	ITEM QUANTITY	PRICE
M529-1	Silver Mercury (oral) .	1.62
M528-1	Red Mercury (oral)	2.19

PRESCRIPTION REMINDERS
. Never take medicine in the dark.
. Always check the labels before
taking.
. Never take a "friend's" medi-
cation-always check with your
physician first.
. Always check the date of a pre-
scription and discard if old or out
of date.
Most medications should be
stored in a cool, dry place.



IF WE LISTED ALL THE USES FOR OUR LIGHTED MAGNIFIER, YOU'D NEED IT TO READ THEM.

For example; maps, menus, phone directories, lists, stamps, coins, stock quotations, patterns, contact prints. These and anything else-in home, office or car-that needs to be seen bigger and brighter needs this high

quality optical instrument. The water-clear, distortion free acrylic lens de-livers a clear, sharp, bright image. The hi-intensity lamp provides a clean white beam. Lamp and AAA batteries (included) are replaceable world-wide.

M089-1 Lighted Magnifier NRTA-AARP Price 3.59

*See page 7

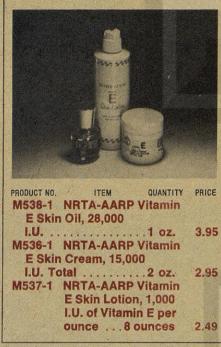
These prices effective as of February 1, 1979. Prices subject to change without notice.

HEALTH AND BEAUTY AIDS



Members . . . of NRTA and AARP can purchase a fine line of cosmetics comparable to the finest available at any price. The NRTA/AARP cosmetic line is called Modage and is specially prepared for our members at a price they can afford.

* PRODUCT NO.	ITEM	QUANTITY	PRICE
M088-1	Deep cleansing lotion	8 oz.	2.25
M086-1	Rosewater and glycerin	8 oz.	2.50
M085-1	Moisture lotion.	8 oz.	2.50
M087-1	Skin freshener	8 oz.	2.25



I.U. of Vitamin E per ounce 8 ounces	2.49	M50
N	IEUTR	OGE
Soap		M83
Regular 3.5 oz.	1.19	
Hand Cream .2 oz.	2.59	M01
Hand Cream Unscented .2 oz.	2.59	
Soap Unscented		M82
3.5 oz.	1.19	M82
Bath Size		
Soap5.5 oz.	1.79	M83
Bath Size Soap Unscented		
5.5 oz.	1.79	
Rainbath Bath	1200	M82
Gel8 oz.	4.69	



ITEM QUANTITY PRICE PRODUCT NO ALPHA KERI M005-3 Bath Oil16 oz. M502-1 NRTA-AARP Skincare 5.29 Bath Oil . . 16 oz. 2.69

PRODUCT NO.	ITEM	QUANTITY	PRICE
M074-1	Alpha-Keri Soa	p 4 oz.	1.08
	Aquacare Dry S	kin	
M078-1	Cream H.P.		2.44
M079-1	Lotion H.P.	8 oz.	3.04
M008-1	Aveeno Bar	.3.2 oz.	1.04
M014-1	Basis Soap .ba	ath size	1.27
M547-1	Dermassage	. 10 oz.	1.75
X082-1	Eclipse Sun		
1	Screen		2.89
M061-1	Esoterica Reg.	3 oz.	3.16
M060-1	Esoterica Fort.	3 oz.	3.54
M016-1	Grecian Formul	a	
	(Men)		2.93
M018-1	Grecian Formul	a	
	(Ladies)	4 oz.	2.93
M073-1	Keri Dry Skin		
	Cream	$2\frac{1}{2}$ oz.	1.87
M043-1	Keri Facial		
	Cleanser		2.99
F047-1	Lanacane Lotio	n.6 oz.	2.07
M083-1	Mitchum Anti-		
	Perspirant		
	Dab on	1 oz.	2.62
	Rose Milk		
M539-1	Lotion		1.99
M540-1	Rose Milk Jar .		2.37
M098-3	Nivea Cream .	6 oz.	1.89
M501-1	Noxzema		
	Cream	4½ OZ.	1.39

NA

CALITA		
M831-1	Solid Soap Shampoo 3.5 oz.	1.19
M017-5	Hand and Skin Lotion8 oz.	3.19
M828-1	Body Oil8 oz.	5.19
M829-1	Dry Skin Soap3.5 oz.	1.39
M832-1	Dry Skin Soap Unscented 3.5 oz.	1.39
1. 1. 10 - 1	0.0 02.	1.00
M829-3	Dry Skin Soap Bath Size 5.5 oz.	1.99

ALL NRTA-AARP FORMULAS APPEAR IN RED

M506-1	Oil of Olay Lot 6 oz.	4.53	
	and the second	4.33	
M507-1	Olay Night		
	Cream2 oz.	3.49	
M511-1	Packers Tar		
	Soap3.3 oz.	1.19	
M516-3	Sebulex	12011	
	Shampoo8 oz.	3.42	
M518-3	Selsun Blue		
	Shampoo8 oz.	3.19	
M517-1	Selsun Blue Cream		
	Shampoo Tube 3.5 oz.	2.09	
1527-3	Tegrin Shampoo 5 oz.	2.79	
M526-1	Tegrin Med. Soap	1.20	
		1.20	
M525-1	Tegrin Lotion		
	Shampoo 6.6 oz.	2.49	

FOR MEN



OLD SPICE

M379-0	Soap on a Rope1	2.64
M371-8	After Shave 43/4 oz.	.2.64
M388-0	Stick	
	Deodorant .21/2 oz.	1.49
M363-6	Pre-electric	
	Lotion 5 oz.	1.79
M374-0	Body Talcum5 oz.	1.84



ENGLISH LEATHER

After Shave Lotion	
(gift box)4 oz.	3.17
Cologne (plastic) 4 oz.	3.42
After Shave	
(plastic)4 oz.	2.53
Deodorant	
	1.39
	0.00
on Cora 6 oz.	2.69
	(gift box)4 oz. Cologne (plastic) 4 oz. After Shave (plastic)4 oz.

SI



V-2 Surg Above Kr Power-S H032-1 \$

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V-4 Surg Full Foot. H001-1 \$

Surgical Weight, B H025-1 I Sizes: Sm

H026-1 | Medium, 1

H029-1 Sizes: Sm

Cosmetic only

H023-0 J2 Sizes: Sm

H024-0 J2 Sizes: Me

SHEER S

Women, dium (91/2 Extra Lor (111/2 to 1 H019-1 H020-1

M097-1

M017-1 M833-1

M097-7

M097-3

M097-9

M830-1

BAUER & BLACK®

SUPPORT HOSIERY

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V-2 Surgical, Sheer, Light Weight, Above Knee, Full Foot, Full Surgical Power-Seamless. Color: Beige, Taupe. H032-1 Sm., Med., Lrg., Lrg. X Length

netan 5.55
NRTA-AARP Price 7.96
and the second second and and the second

V-4 Surgical, Sheer - Below Knee, Full Foot. Color: Beige. H001-1 Sm., Med., Lrg., X-Lrg. **Betail 9,95**

> **NRTA-AARP** Price 7.96

Surgical Weight - Seamless, Heavy Weight, Beige Only.

H025-1 N-1 Above Knee, Open Toe Sizes: Sm., Med., Lrg. Retail 19.95

NRTA-AARP Price 14.59 H026-1 N-1 Long (Extra 3" in thigh)

Medium, Large. Retail 21.95 **NRTA-AARP** Price 15.95

H029-1 N-3 Below Knee, Open Toe Sizes: Sm., Med., Lrg. Retail 19.95 **NRTA-AARP** Price 14.59

Cosmetic Sheer - Seamless, Beige only

H023-0 J2 Above Knee, Full Foot Sizes: Sm., Med., Lrg. Retail 19.95 **NRTA-AARP** Price 14.59

H024-0 J2 Long (Extra 3" in thigh) Sizes: Med and Lrg. Retail 21.95 15 95

NRTA-AARP Price



P-5 Elastic Panty Hose—Toe to Waist Support, 2 Way Stretch. Beige, Taupe. H002-1 Petite, Med., Tall, X-Tall. Retail 11.95 **NRTA-AARP** Price 8.96

ELASTIC STOCKINGS

PORT HOS

A-4 Men's Elastic Hose - Surgical compression. Black and Brown. H021-1 Sm. (9-10), Med. (10-11), Lrg. (11-12), X-Lrg. (12-13). Retail 10.95 **NRTA-AARP** Price 7.96

C-4 Men's Mild compression Support

Hose for every day wear. Blk. & Brn. H027-0 Reg. (10-111/2), Lrg. (111/2-14). Retail 2.50 **NRTA-AARP** Price 2.19

BAUER & BLACK HOSIERY FITTING CHART

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	I CITET HOUSE	
	Height	Weight
tite	4'11" to 5'3"	90-120
dium	5'3" to 5'7"	120-140
11	5'7" to 5'9"	140-160
Tall	5'9" to 6'0"	160-185
	Surgical Hose	
gular	Calf	
cking Size	Circumferen	ce* Select
2-9		Small
	11-17 in	
1/2-11-111/2	2 13-20 in	Large
	2 Long 13-20 in	
		Extra Long
or leas of	f larger girth go	to the next

larger size shown.

NRTA-AARP SUPPORT HOSE

NRTA-AARP

NRTA-AARP

SUPPORT HOSE FOR MEN

duces leg fatigue.

NRTA-AARP SHEER SUPPORT SEAMLESS HOSE

Women, Sizes: Small (81/2 to 9),	Me-
dium (91/2 to 10), Large (101/2 to	11),
Extra Long (101/2 to 11), Extra L	arge
(111/2 to 121/2) Nylon. Color: Beige	only
H019-1 Pair	3.19
H020-1 2 Pair	5.89

SHEER SUPPORT PANTY HOSE Women's Sizes: Beige Only. Petite (5'-5'3") 95-115 lb H046-1 Aver. (5'3"-5'6") 115-130 lb H046-2 Tall (5'6"-5'8") 115-145 lb H046-3 Extra Lrg. (5'8" and over) H046-4 145 lb and over NRTA-AARP Price 3.69

FASHION HOSIERY

Sheer Panty Hose Knee-Hi Sheer Comfort Top **Control Top Panty Hose Outsize Panty Hose** Stretch Stockings

FASHION EXCELLENCE SUPREME QUALITY

Colors: Beige and Taupe H-2210 Sheer Panty Hose Sheer panty hose with that luxurious look. One size fits all. List Price \$1.19 **NRTA-AARP Price** \$.91

H-4410 Knee-Hi Sheer Comfort Top Perfect for pants. One size fits all. Packed 2 pr. to a package.

List Price 2/\$1.58

NRTA-AARP Price 2/\$1.29

H-9910 Control Top Panty Hose Makes you look slimmer and trimmer. 5'0"-5'3" Sizes: Short

5'3"-5'6" Average Med. Long 5'6"-5'8" Long 5'6"-5'10"

List Price \$2.29

NRTA-AARP Price \$1.79

H-6610 Outsize Panty Hose Great fitting panty hose for the hard-tofit woman. One size fits all. List Price \$1.49

NRTA-AARP Price \$1.12

H-7710 Stretch Stockings Stockings that fit all sizes from 5'-5'9" with durability and comfort. One size fits all. List Price 2/\$1.98

2/\$1.59 NRTA-AARP Price

BONUS PRESENTATION

H-1110 Paw Pampers Fluffy, fleecy "Paw Pampers" lounging socks. 1 size fits 9-11. Colors: Red, Green, Lt. Blue, Pink. List Price 2/\$1.58 **NRTA-AARP** Price 2/\$1.29

Garterless Hose, all day support. Re-

Two Sizes Fit All: Size Medium 10-111/2, Large 12-14. Black, Brown, Navy.

H043-1 NRTA-AARP Price ...

These prices effective as of February 1, 1979. Prices subject to change without notice.

2.59

FUTURO THERMOLASTIC COMFORTERS

FOR THE HAND, ANKLE, KNEE AND ELBOW

Thermolastic: a totally new concept using retained body warmth plus mild compression to help soothe stiff and aching joints. Provides thermal compression for supportive comfort.

The soothing properties lie in the blending of basic fibers to achieve the specific benefit offered by each. Cashmere blended with lambs wool for extra strength and acrylic for body and softness. Hand washable.

ELBOW COMFORTER

Measure around elbow. X3422—Small 9-10" X3423—Medium 101⁄4-11" X3425—Large 111⁄4-12" X3426—X large 121⁄4-13" List Price each 4.50 NRTA/AARP Price each 3.40

HAND COMFORTER

Measure around hand at knuckles. X3432—Ladies' Up to 8" X3435—Men's Over 8" List Price each 8.95 NRTA/AARP Price each 6.75

KNEE COMFORTER

Measure around knee cap. X3442—Small 10½-12½″ X3443—Medium 12¾-14½″ X3445—Large 14¾-16½″ X3446—X large 16¾-19½″ List Price each 4.50 NRTA/AARP Price each 3.40

ANKLE COMFORTER

Measure around ankle at smallest point. X3452—Small 7-8" X3453—Medium 8¼-9" X3455—Large 9¼-10" X3456—X large 10¼-11" List Price each 3.95 NRTA/AARP Price each 3.00

COLOSTOMY PRODUCTS

Please check with your area Retired Persons Pharmacy Center for the many other Coloplast and Colostomy items not listed. Compare our low prices with what you are now paying—and save!

STOMAHESIVE—Squibb

Peristor	mal Covering		
H995-1	4" x 4" Wafers .	5's	5.99
H996-1	8" x 8" Wafers .	3's	14.10

20

FUTURO HEALTH SUPPORTS

PRODUCT NO. ITEM PRICE H057-0 #34 KNEE BRACE DELUXE 4 Way, X-Action, Natural Knee Action. Retail 5.65 NRTA-AARP PRICE 4.23	
H058-0 #44 KNEE BRACE REGULAR Won't slip, Firm support. Sizes: Small (10½-12½), Medium (12¾-14½), Large (14¾-16½). Retail	
H017-0 #45 ANKLE BRACE Smooth, snug fit, good support. Sizes: Small (7"-8"), Medium (8¼"- 9"), Large (9¼"-10"). Retail 2.50 NRTA-AARP PRICE 1.85	- Exercise
H013-0 #47 SACROILIAC BRACE Relieves back pain caused by sacro- iliac sprain. Allows freedom of movement without binding. Sizes: Small (30-35), Medium (35½- 41), Large (41¼-46) Retail . 10.50 NRTA-AARP PRICE 7.89	
H066-0 #48 HERNIA AID made for the common reducible, inguinal hernia, either left, right or double. Supports both sides. Sizes: Small (30-35"), Medium (35¼-41"), Large (41¼-46"). Retail	
H003-0 #71 V-GARD SUPPORTER 3" Waist band, tubular leg straps. Retail	
H004-0 #76 WIDE BAND SUP- PORTER 6" Waist band, relieves fa- tigue. Elastic leg straps. Sizes: Small (26-32"), Medium (32¼- 38") strap. 3814-44") Retail 7.50	

Sizes: Small (26-32"), Medium (32¼-38"), Large 38¼-44") Retail 7.50 NRTA-AARP PRICE 5.65

and a second second second second second	
H059-0 #87 SUSPENSORY E Waist, Small, Med., Lge. pouch No leg straps. Retail NRTA-AARP PRICE	lastic sizes. 2.95 2.21
H067-0 #23 WRIST BRACE	Wrap
around, adjustable one size. Retail NRTA-AARP PRICE	2.00 1.59
SANI-PAC	
INCONTINENT PANTS VELCRO closures create fully-s	bolod
pants. No uncomfortable snaps.	
washable, plastic coated rayon	pants.
WAIST RETAIL S010-0 S (20-25)8.49	PRICE 6.39
S010-2 M (26-31)8.49	6.39
S010-4 L (32-37)8.49	6.39
S010-6 XL (38-44)8.49	6.39
S011-0 Reusable Liner. Contour-fit for your comfort. shrunk, triple-layered and supe sorbent. One size fits all.	Pre- er ab-
Retail NRTA-AARP Price NRTA-AARP	7.39 5.49
S012-0 Tape-II Super Liner, Disposable. One size fits all. 25's Retail NRTA-AARP Price	8.29 6.19
Complete convertible system	
(one pants - one reusable	
liner—two disposable liners). S013-0 Small (20-25)	
S013-2 Medium (26-31)	
S013-4 Large (32-37) S013-6 X-Large (38-44)	
Retail	12.95
NRTA-AARP Price	9.68
DISPOSABLE UNDERPADS Super Absorbent — protects	
bedding from incontinence	
or drainage.	
S024-2 (17½ x 24″)40s S025-2 (17½ x 24″)3-40s	6.29 16.88
S026-2 (23 x 36")	6.29
S028-2 (23 x 36")3-20s	16.88

		Colopias	st 👘 📐 🗧		
	ORDER SIZE	BAG SIZE	ADHESIVE AREA	OPENING	PRICE PER 100
H005-1	No. 1	5″x8″	3″x3″	15/16″	30.50
H006-1	No. 2	5½"x8"	31/2 "x4"	1¾6″	30.50
H008-1	No. 3	6½″x10″	43⁄4 "x43⁄4"	1¾6″	36.40
H011-1	No. 1 Extra (odorproof)	5"x8"	3"x3"	15/16"	42.50
H012-1	No. 2 Extra (odorproof)	5½"x8"	31/2"x4"	1¾6″	43.95
H014-1	No. 3 Extra (odorproof)	6½"x10"	43/4"x43/4"	13%6"	45.50
H015-1	Karaya Rings		· P	er Tray of 12	4.95

ALL NRTA-AARP FORMULAS APPEAR IN RED

ME91B /

HEAL

Made of B bent and c a panel o and non-ir pin. Measu up to 50" total prot Get severa

X542-1 A

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Made with terial with waterproo Better pro lies perfec X544-1 R

Full size, a panel with No strings shrunk. A able.

X545-1 A

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ly-sealed ps. Fully on pants. NRTA-AARP AIL PRICE 9 6.39

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	36.40	Contract (C)
	42.50	
	43.95	
	45.50	

4.95

DUNDEE MILLS HEALTHCARE PRODUCTS

Adult Diaper

Made of Birdseye cloth, highly absorbent and durable. Made waterproof by a panel of BARIGARD material. Soft and non-irritating. Easy to put on and pin. Measures 29" x 33" to fit waist size up to 50". Complete containment for total protection. Machine washable. Get several at this price.

X542-1 Adult Diaper 3.49

Reusable Underpad

Made with 2-ply, preshrunk diaper material with full 24" x 33" BARIGARD waterproof barrier. Machine washable. Better protection at lower cost and it lies perfectly flat.

X544-1 Reusable Underpad. . 3.99

Adult Bib

Full size, apron-like, waterproof center panel with Velcro closure for easy fit. No strings—soft—absorbent and preshrunk. All edges reinforced. Washable.

X545-1 Adult Bib 2.97

PLASTIC SICKROOM NEEDS

BED PAN

Comfort cleaned.	contour	shaped.	Easily
5014-1	NRTA-AAR	P Price	4.59

URINAL

With cover. Translucent and graduated. S015-1 NRTA-AARP Price 2.19

SITZ BATH

Includes tubing and shut off clamp.Graduated water bag.S016-1NRTA-AARP Price5.49

WATERPROOF BED SHEETING

Reversible—36" x 54"— Washable. S017-1 NRTA-AARP Price 2.98

BATHTUB SAFETY RAIL

Adjustable—easy to install and fit. S018-1 NRTA-AARP Price 19.95

WHEEL CHAIRS ECONOMY OR DELUXE MODELS. CONTACT YOUR RETIRED PERSONS PHARMACY CENTER FOR PRICE LIST AND DESCRIPTION. DELIVERED TO YOUR DOOR AT NRTA/AARP LOW PRICES.

ALKALINE POWER CELLS

Our best, longest lasting power source. Guarantee on package.



SELF HELP ITEMS

S029-0	Adjusta	ble, W	ide E	Base	
provid	les adde	d supp	ort.		
NRTA	-AARP F	Price			21.9

MAGNETIC REACHING TONGS

Scissor-like action, extends	
reach (27") non-slip ends,	
magnetic tip. Sturdy 5-ply	
birch. Retail	6.98
S007-2 NRTA-AARP Price	5.87

REMOTE CONTROL CORD SET

Switch turns T.V. or Radio on or off—15 ft. cord. S031-0 NRTA-AARP Price ... 3.13

ALUMINUM COMMODE CHAIR

Complete with toilet	seat, pla	stic pail
and lid.	Retail	\$36.95
S040-5 NRTA-AARP	Price.	\$32.95

ALL ABOUT OUR CUSTOMER SATISFACTION POLICY

You must be satisfied with every item we sell. If an item is not satisfactory when you receive it, return it. We'll exchange it or, if you prefer, refund the price or credit your account. Please include a copy of the invoice to facilitate proper handling. In many cases you'll want time to evaluate your purchase . . . so use what you buy from us. If, after a reasonable period of time, you don't get the service you have a right to expect, just let us know what is wrong. Write or call and tell us what you want. We'll make every effort to correct what's wrong. If we cannot satisfy you, we'll make a proper adjustment in cash or credit.

This policy does not apply to prescription medications ordered by your physician.

These prices effective as of February 1, 1979. Prices subject to change without notice.

GENERIC PRESCRIPTION PRICE LIST

This is a representative list of some of the most frequently prescribed medications and their generic counterpart. Compare what you are now paying for the brand name drugs with the prices listed for the comparable generic product. We will be happy to quote on any or all of your other prescription needs, just drop us a note. There are no additional charges for postage and handling and the items will be sent to you and charged to your account. All of our pharmacies carry a full line of prescription drugs and can supply your needs promptly. We fill thousands of prescriptions daily, one at a time. These drugs are available only on a prescription from your physician.

On quantities less than 100, add 35¢ to unit price.

At Your Request, the NRTA-AARP Pharmacy Will Not Put "Safety Closure Caps" on Prescription Containers

If your household does not consist of, and you do not play host to young children, you may prefer that your medicine containers be capped with the old-style, easier-to-open covers rather than "Safety Closure Caps." Your NRTA-AARP Pharmacy makes this possible.

For prescription medications, all that is necessary is a note to the NRTA-AARP Pharmacy Service from you or your doctor requesting the old-style caps. If the prescription is a new one, ask your physician to include the request on his Rx form.

The Federal Government has enacted a law called the "Controlled Sub-stances Act". This Act, in brief, says that all prescriptions for a group of drugs are restricted in the matter of refills and forbids refilling prescriptions for some of these medications more than five times or for over a period of more than six months. Six months after the date the prescription was written it is necessary for you to obtain a new prescription. PRESCRIP-**TIONS FOR CERTAIN OTHER DRUGS** CANNOT BE REFILLED AND A NEW PRESCRIPTION MUST BE PRE-SENTED EACH TIME. PRESCRIP-TIONS FOR AMPHETAMINES OR NARCOTICS CANNOT BE SENT THROUGH THE MAIL. Some states prohibit the return of prescription drugs.

A

ALL DRUGS LISTED AVAILABLE ONLY ON PRESCRIPTION GENERIC DRUG INDICATED IN CAPITAL LETTERS

GENERIC DRUG INDICATED IN CAPITAL L			
	Strength	Price/100	
AMITRIPTYLINE HCL TAB.	10 mg	\$4.00	
(generic for Elavil tab. 10 mg)			
AMITRIPTYLINE HCL TAB.	25 mg	6.95	
(generic for Elavil tab. 25 mg)			
AMITRIPTYLINE HCL TAB.	50 mg	13.50	
(generic for Elavil tab. 50 mg)			
AMPICILLIN CAP.	250 mg	7.95	
(generic for Polycillin cap. 250 mg)			
BETHANECHOL CHLORIDE TAB.	10 mg	6.00	C. C. C.
(generic for Urecholine tab. 10 mg)			
BETHANECHOL CHLORIDE TAB.	25 mg	9.00	
(generic for Urecholine tab. 25 mg)	10 mg	0.00	
BROMPHENIRAMINE MALEATE TAB.	4 mg	1.95	
(generic for Dimetane tab. 4 mg)	- 119	1.55	
CHLOROTHIAZIDE TAB.	250 mg	3.45	
	250 mg	3.45	
(generic for Diuril tab. 250 mg) CHLORPHENIRAMINE TAB.	8	2.05	
(generic for Chlor-Trimeton tab. 8 mg)	8 mg	2.95	
	12	2.05	- Larde St.
CHLORPHENIRAMINE TAB. (generic for Chlor-Trimeton tab. 12 mg)	12 mg.	3.95	
	10		
CHLORPROMAZINE TAB.	10 mg	2.50	
(generic for Thorazine tab. 10 mg)	-		
CHLORPROMAZINE TAB.	25 mg	3.40	
(generic for Thorazine tab. 25 mg)			
CORTISONE ACETATE TAB.	25 mg	4.90	
(generic for Cortone Acetate tab. 25 mg)			
CYCLANDELATE CAP.	200 mg	4.85	
(generic for Cyclospasmol cap. 200 mg)			
CYCLANDELATE CAP.	400 mg	8.90	
(generic for Cyclospasmol cap. 400 mg)			
DICYCLOMINE CAP.	10 mg	2.95	
(generic for Bentyl cap. 10 mg)			
DICYCLOMINE TAB.	20 mg	3.85	
(generic for Bentyl tab. 20 mg)			
DIPHENHYDRAMINE HCL CAP.	25 mg	2.00	
(generic for Benadryl cap. 25 mg)	A State		
DIPHENHYDRAMINE HCL CAP.	50 mg	2.90	
(generic for Benadryl cap. 50 mg)	and the first of		
H-R-H TAB.		3.25	
(generic for Ser-Ap-Es tab.)			
HYDRALAZINE HCL TAB.	10 mg	1.85	
(generic for Apresoline tab. 10 mg)			Sec.
HYDRALAZINE HCL TAB.	25 mg	2.70	Trans.
(generic for Apresoline tab. 25 mg)	Long		d one the
HYDRALAZINE HCL TAB.	50 mg	3.70	C. C. Alter
(generic for Apresoline tab. 50 mg)	Joing	0.10	
HYDROCHLOROTHIAZIDE TAB.	25 mm	2.25	
(generic for Hydrodiuril tab. 25 mg or Esidrix 25 mg)	25 mg	2.25	State State
HYDROCHLOROTHIAZIDE TAB.	E0 mm	0.45	
(generic for Hydrodiuril tab. 50 mg. or Esidrix 50 mg)	50 mg	2.45	
HYDRO-RESERPINE TAB.	FA	0.00	
(generic for Hydropres tab. 50 mg)	50 mg	2.90	
		Section 198	
IMIPRAMINE TAB.	10 mg	3.75	
(generic for Tofranil tab. 10 mg)			and any first a
IMIPRAMINE TAB.	25 mg	6.00	
(generic for Tofranil tab. 25 mg)			No.
ISOSORBIDE DINITRATE ORAL TAB.	5 mg	2.75	No. 2 St.
(generic for Isordil oral tab. 5 mg)			
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ASK YOUR DOCTOR TO PRESCRIBE DRUGS GENERICALLY

ALL DRUGS LISTED AVAILABLE ONLY ON PRESCRIPTION

GENERIC DRUG INDICATED IN CAPITAL LETTERS

	Call and a state of the second s			members purchase med
Price/100		Strength	Price/100	ever possible, by th
\$4.00	ISOSORBIDE DINITRATE ORAL TAB.	10 mg	\$2.95	names rather than by t
	(generic for Isordil oral tab. 10 mg) ISOSORBIDE DINITRATE SUBLINGUAL TAB.	0.5	0.05	"brand" names.
6.95	(generic for Isordil subling, tab. 2.5 mg)	2.5 mg	2.25	According to the Ford
	ISOSORBIDE DINITRATE SUBLINGUAL TAB.	5 mg	2.50	According to the Food
13.50	(generic for Isordil subling, tab, 5 mg)	omg		ministration, pharmace
	ISOSORBIDE DINITRATE TAB.	40 mg	6.50	der their generic or o
7.95	(generic for Isordil tab. 40 mg)			tend to be considerably
	MECLIZINE TAB.	12.5 mg	2.45	than drugs marketer
6.00	(generic for Antivert tab. 12.5 mg)			promoted and advertise
	METHOCARBAMOL TAB.	500 mg	5.75	
9.00	(generic for Robaxin tab. 500 mg)			To save money, however
	METHOCARBAMOL TAB.	750 mg	6.75	request your doctor to
1.95	(generic for Robaxin tab. 750 mg)	ALL AND ADDRESS		generically, if possibl
	NITROGLYCERIN T.D. CAP.	2.5 mg	3.75	being that many physi
3.45	(generic for Nitrobid or Nitrospan cap.)		E 95	medications by brand
0.10	(generic for Nitrobid or Nitrospan cap.)	6.5 mg	5.25	Charles and the second s
2.95	NYLIDRIN TAB.	6 mg	3.35	generic names. If you
2.00	(generic for Arlidin tab. 6 mg)	unig	0.00	familiar with a med
3.95	NYLIDRIN TAB.	12 mg	5.95	name, ask him to ac
3.33	(generic for Arlidin tab. 12 mg)	it ing		equivalent" to the pro-
0.50	PAPAVERINE L.A. CAP.	150 mg	3.95	will enable the pharma
2.50	(generic for Pavabid cap. 150 mg)			prescription with a m
2.40	P.E.T.N. TAB.	10 mg	1.50	priced product, if availa
3.40	(generic for Peritrate tab. 10 mg)		The party and the	
1.00	P.E.T.N. TAB.	20 mg	1.60	Approximately 25 perc
4.90	(generic for Peritrate tab. 20 mg)		Part and	tion drugs most freque
	PREDNISONE TAB.	5 mg	1.95	are available as gene
4.85	(generic for Deltasone tab. 5 mg)		0.05	patents will expire by
	PROBENECID W/COLCHICINE TAB.		6.25	even more available g
8.90	(generic for Colbenemid tab.)	0.5 gm	5.95	even more available g
	PROBENECID TAB.	0.5 gm	5.55	In many states, pharma
2.95	(generic for Benemid tab. 0.5 gm) PROCAINAMIDE CAP.	250 mg	4.50	the freedom to use th
	(generic for Pronestyl cap. 250 mg)	2.50 mg	7.00	training to fill prescript
3.85	PROCAINAMIDE CAP.	500 mg	6.50	and the second
	(generic for Pronestyl cap. 500 mg)	o o o mig		priced generic equiva
2.00	PROMETHAZINE TAB.	12.5 mg	2.40	name drugs, unless
	(generic for Phenergan tab. 12.5 mg)			ically prohibit such su
2.90	PROMETHAZINE TAB.	25 mg	3.50	In selecting the gene
	(generic for Phenergan tab. 25 mg)			
3.25	PROPANTHELINE TAB.	15 mg	2.75	icals with which it will s
	(generic for Probanthine tab. 15 mg)			the NRTA/AARP Ph
1.85	QUINIDINE TAB.	200 mg	7.95	has always stressed q
	(generic for Quinora tab. 200 mg)			economy. All drug man
2.70	RESERPINE TAB.	0.25 mg	1.75	comply with Good Mar
	(generic for Serpasil tab. 0.25 mg)			tices which are enford
3.70	SODIUM FLOURIDE CHEW TAB.	2.2 mg	1.35	and Drug Administration
	(generic for Luride tab. 2.2 mg)	and the second	a ter set set of the	
2.25	SULFISOXAZOLE TAB.	0.5 gm	3.00	You might wish to
	(generic for Gantrisin tab. 0.5 gm)			pharmacies to compar
2.45	TETRACYCLINE CAP.	250 mg	2.75	to obtain the most fa
	(generic for Achromycin V. cap. 250 mg)			possible.
2.90	TOLBUTAMIDE TAB.	0.5 gm	7.75	
2.00	(generic for Orinase tab. 0.5 gm)		and the fairles	NRTA/AARP Pharma
2.75	TRIAMCINOLONE TAB.	4 mg	9.00	continue to select an
3.75	(generic for Aristocort or Kenalog tab. 4 mg)			generic drugs as the
	TRIHEXYPHENIDYL HCL TAB.	2 mg	1.75	
6.00	(generic for Artane tab. 2 mg)			able. This is part of c
	TRIHEXYPHENIDYL HCL TAB.	5 mg	2.75	gram to provide q
2.75	(generic for Artane tab. 5 mg)			reasonable prices to c

For many years the NRTA/AARP Pharmacy Service has recommended that members purchase medications, whentheir "generic" their "trade" or

d and Drug Adeuticals sold unchemical name ly less expensive ed under welled brand names.

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macists now have their professional ptions with lowervalents to brand doctors specifubstitution.

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contact several are prices in order favorable savings

acy Service will and provide more ey become availour ongoing proquality drugs at our members.

These prices effective as of February 1, 1979. Prices subject to change without notice.

PURCHASE PRIVILEGE PROGRAM

Special Discounts for NRTA-AARP Members at Leading Hotels, Motels and Auto Rental Companies.

HOLIDAY INNS—10% discount on all rooms year-round at participating locations marked by letter (S) in Directory available free from any Inn. For reservations, call a local Inn or your area's toll-free Reservation Center (listed in Directory and in the yellow pages). Advance reservations advised. When checking in, present your current Association membership card and request the discount. Discount not applicable to commissionable, special groups, or preferred rates.

HOWARD JOHNSON'S MOTOR LODGES—10% discount off Directory rate on *double* occupancy rooms only at participating Lodges year-round. Advance reservations *required*. Discount not applicable to commissionable, special groups, or preferred rates. For reservations, call 800/654-2000, (800/522-9041 in Oklahoma; in Canada, call collect 405/848-8611). Inform Central Reservation Bank you are an Association member and request the special discount. When checking in, present your current Association membership card and request the discount. Howard Johnson's will assist local groups with tour planning for ten or more. Special discounts applicable. Call 800/323-2358 for details.

QUALITY INNS—10% discount on all rooms year-round at participating Inns marked by letter (S) in Travel Directory available at any Inn or by writing: Travel Directory, Quality Inns, 10750 Columbia Pike, Silver Spring, MD 20901. For reservations, call a local Inn or 800/228-5151, (800/642-8700 in Nebraska; in Canada, 800/261-3232; Toronto, 416/868-1112). Advance reservations advised. When checking in, present your current Association membership card and request the discount. Discount not applicable to commissionable, special groups, or preferred rates.

RAMADA INNS—10% discount on all rooms year-round at participating Inns marked by letter (R) in Ramada Inn Directory. Advance reservations advised, but not required. Call 800/228-2828. When checking in, present your current Association membership card and request the discount. Discount not applicable to commissionable, special groups, or preferred rates.

RODEWAY INNS—10% discount on all rooms year-round at all Inns. Directory available at local Inn or by writing: Director of Marketing, Rodeway, 2525 Stemmons, Dallas, TX 75207. Advance reservations through toll-free number *required*. Call 800/228-2000 (in Nebraska, call collect 402/571-2000). When checking in, present your current Association membership card and request the discount. Discount not applicable to commissionable, special groups, or preferred rates.

SCOTTISH INNS OF AMERICA—20% discount on all rooms year-round at all locations. Directory available at local Inn or by writing: Scottish Inns, 104 Bridgewater Rd., P.O. Box 11588, Knoxville, TN 37919. Advance reservations advised (can be made directly with destination Inn). Call 800/251-1962 (in Tennessee, 800/342-1819). When checking in, present your current Association membership card and request the discount. Discount not applicable to commissionable, special groups, or preferred rates.

SHERATON HOTELS & INNS—25% discount on all room rates except minimum-priced at all locations. (Local Sheratons may not offer discount during expected high occupancy dates.) For directory, write: Brochure Center, Sheraton Corp., 470 Atlantic Ave., Boston, MA 02210. Advance reservations advised. Call 800/325-3535 (800/392-3500 in Missouri) or make reservations directly with destination hotel. Identify yourself as Association member; specify discount; and, if it is available, record confirmation number. When checking in, present your current Association membership card and give confirmation number. Discount is intended for individual business or pleasure-related travel, and does not apply to Sheraton's family plan, convention or group travel.

SONESTA HOTELS—15% discount on all rooms at all locations. (Some locations exempt themselves during heavy demand dates.) Directory available at any Sonesta Hotel or Charter House Motor Hotel or by writing: Sonesta, 390 Commonwealth Ave., Boston, MA 02215. Advance reservations *required*. Call 800/225-1372 (in Massachusetts, 800/842-1202). Identify yourself as Association member and request the discount. When checking in, present your current membership card and specify the discount. Discount not applicable to commissionable, special groups, or preferred rates.

TREADWAY INNS—10% discount off current minimum rates yearround at most Inns. Write: Director of Special Services, Treadway, Box 2757, Paterson, N.J. 07509 for Directory and Treadway Card listing participating locations. Advance reservations and Treadway Card required. Call 800/631-0182 (201/881-8483 in New Jersey). Inform Central Reservation Bank you are an Association member and request the discount. When checking in, present your Association membership card and the Treadway Card and specify the discount. Discount not applicable to commissionable, special groups, or preferred rates.

AUTO-RENTAL

AVIS RENT-A-CAR—15% discount on regular time and mileage rates that include gasoline; special economy rates; weekend specials and unlimited mileage rates. No discount on tour package rates. In Canada, 10% discount on prediscounted and special rates. Internationally, 10% discount on regular time and mileage rates that include gasoline. Present your current Association membership card and give rental clerk the identification number —AA-359800. For advance reservation, call 800/331-1212 and specify you are an Association member. Verify discount at the rental counter, present your current Association membership card and the identification number—AA-359800. Avis Credit Card, Avis-approved credit card or cash deposit required upon rental. Discount does not apply where arrangements are not completed in advance of actual vehicle use.

HERTZ RENT-A-CAR—35% discount on regular time and mileage rates that include gasoline; 15% discount on special economy rates, weekend specials, unlimited mileage rates; no discount on tour package rates. In Canada, 30% discount on regular time and mileage rates; 5% discount on flat rates; no discount on special economy rates, weekend specials, unlimited mileage. Internationally, 10% discount on regular time and mileage rates that include gasoline. Present your Association membership card and give the rental clerk the identification number—50075. For advance reservation, call 800/654-3131, specify you are an Association member and give the number 50075. Verify discount at the rental counter. Present a Hertz Credit Card, Hertz-approved credit card, or a cash deposit.

NRTA-AARP has obtained these discounts as a service to members but does not recommend or guarantee the services of these companies in any way. Discount arrangements are subject to change. Current discounts will be published from time to time in the Association's News Bulletins. Other hotels and motels may offer discounts to Association members. Check for possible discounts before registering.

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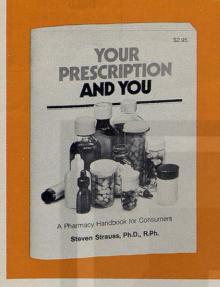
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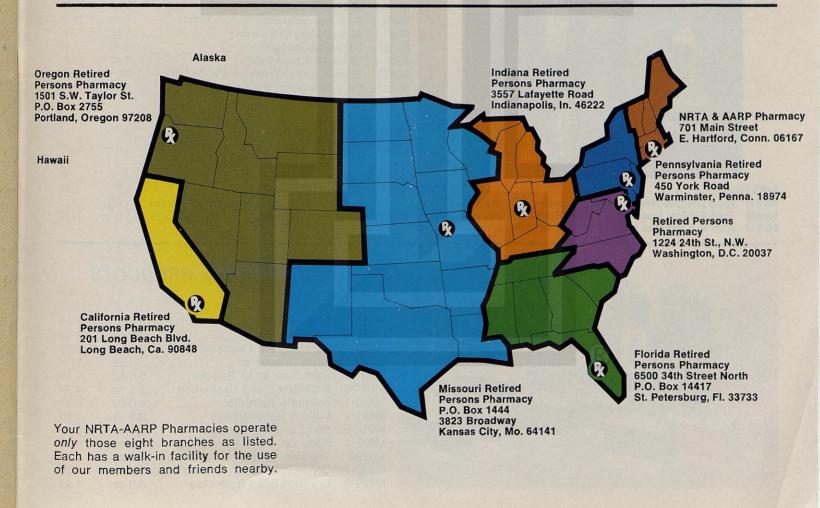
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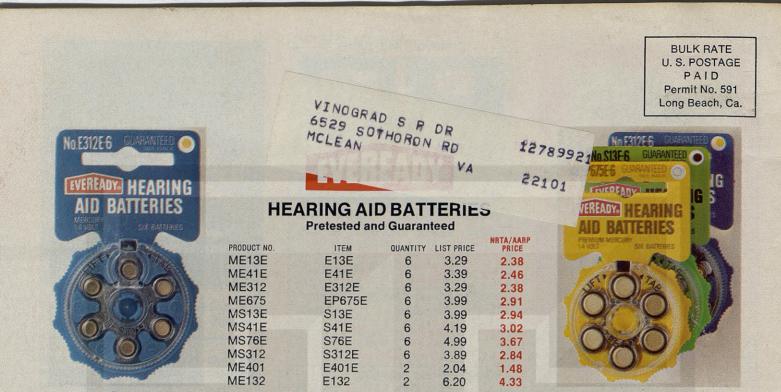
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 DG-374
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DG-126	Flipstick Eyeshadow Fresh Blue		.85	
DG-128	Flipstick Eyeshadow Aqua Ice		.85	
DG-017	Sheer Velvet Liquid Makeup w/Protein Glo Rachel	1 fl. oz.	\$2.69	
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1833-1	Hand Cream Unscented	.2.0 oz.	2.59
1097-7	Soap Unscented		1.19
1097-3	Bath Size Soap Regular	.5.5 oz.	1.79
1097-9	Bath Size Soap Unscented	.5.5 oz.	1.79
1830-1	Rainbath Bath Gel	.8.0 oz.	4.69
1831-1	Solid Soap Shampoo		1.19
1017-5	Hand and Skin Lotion	.8.0 oz.	3.19
1828-1	Body Oil	.8.0 oz.	5.19
1829-1	Dry Skin Soap	.3.5 oz.	1.39
1832-1	Dry Skin Soap Unscented	3.5 oz.	1.39
1829-3	Dry Skin Soap Bath Size	5.5 oz.	1.99

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SPACE LIFE SCIENCES

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V. P. POPOVIC, J. HORECKY, and P. POPOVIC / A Miniaturized Pump Oxygenator for Evaluation of Peripheral Circulatory Changes Induced by Long-Term Weightlessness in Rats

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- JOSEPH SECKBACH and W. F. LIBBY / Vegetative Life on Venus? Or, Investigations with Algae Which Grow Under Pure CO₂ in Hot Acid Media at Elevated Pressures
- J. P. BRANNEN / Microbial Sterilization in Ultra-High Vacuum and Outer Space: A Kinetic Comparison
- S. BARANSKI, Z. EDELWEJN, and M. WOJKOWIAK / Hemodynamic and Bioelectric Disturbances in Striated Muscles of Rats Subjected to Accelerative Forces after a Period of Hypokinesia

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The \$2,000 life insurance coverage provided for your son or daughter under the NASA Dependents Life Plan expires when your child reaches the age of 19. The NASA Plan allows conversion of this coverage to a new \$10,000 policy for your child. But you must act promptly... The option is available for a limited time only!

	FOR Purc	\$10,000 0 Hased for	F WHOLE Male*,	LIFE AGE 19	
End of Policy Year	Annual Divi- dend†	Net Pay- ment	Cash Value Increase Dur. Yr.	Net Pay- ment Less Cash Value Increase	Cash Value
1	\$ 12.20	\$ 137.60	\$ 0	\$ 137.60	\$ (
2	13.20	136.60	30	106.60	30
3	16.20	133.60	100	33.60	130
4	20.20	129.60	110	19.60	240
5	25.80	124.00	110	14.00	350
6	32.40	117.40	110	7.40	460
7	40.20	109.60	120	-10.40	580
8	48.80	101.00	120	-19.00	700
9	57.80	92.00	120	-28.00	820
10	67.20	82.00	130	-47.40	950
11	76.40	73.40	120	-46.60	1,070
12	85.50	64.30	130	-65.70	1,200
13	94.30	55.50	140	-84.50	1,340
14	102.00	47.80	130	-82.20	1,470
15	108.80	41.00	140	-99.00	1,610
16	114.00	35.80	130	-94.20	1,740
17	118.40	31.40	130	-98.60	1,870
18	122.90	26.90	140	-113.10	2,010
19	127.30	22.50	130	-107.50	2,140
20	132.10	17.70	140	-122.30	2,280
20 YR. FOTALS	1,415.70	1,580.30	2,280	-893.10 [†]	
TOTALS	5,372.50	769.30	5,480	—5,000.10 [™]	5,480
TOTALS TO 65	6,660.50	230.30	6,230	-6,299.70 ^T	6,230

NET PREMIUM PAYMENT

* The premium for females would be somewhat lower. Dividends and cash values would remain the same.
 † Based on 1979 Dividend Scale. Dividends cannot be guaranteed.
 T Indicates terminal dividend is included.



When Your Child Becomes 19...



a head start toward

financial security

G-645 (24) 12/78

Exercise Your NASA Plan Option To Assure Your Child A \$10,000 Estate

UNDER THE NASA DEPENDENTS LIFE PLAN, insured children have \$2,000 of life insurance protection until they reach the age of 19. At that time, the Plan allows conversion of the child's coverage to a new individual life policy with a face amount of \$10,000.

A key feature of this coverage is that it is available without medical examination or red tape of any kind. The only requirement, in addition to payment of the appropriate premium is that the conversion be made within the period 31 days before or after the child's 19th birthday. Unless action is taken during this time, the conversion option lapses.

Why Life Insurance?

There's no better time than now to start your child on a plan of permanent life insurance. The cost is low—only pennies a day. Even more significant is the fact that your son or daughter in the years immediately ahead will move into adulthood, shouldering increased responsibilities. As education, employment, marriage and family follow in swift succession, the security of life insurance can be extremely important.

A Good Buy

The coverage offered under this plan is permanent, dividend-earning insurance. It provides an immediate estate of \$10,000 and builds substantial cash values useful in later life. At age 29, the policy will be worth \$1,345*; at age 39, \$4,506*. On retirement at age 65, the policy will be worth \$24,950*— as compared to premium payments totaling less than half that amount.

Premium Rates

Premiums may be paid quarterly, semi-annually or annually, as follows:

	Male	Female
Quarterly	\$ 38.90	\$ 37.80
Semi-Annually	76.40	74.20
Annually	149.80	145.50

Four Dividend Options

Dividends declared by the insurance company may be used in any of four ways. They may be:

- Accumulated at interest, in which case, under present dividend scales, you may build a fund amounting to \$18,420* at age 65.
- Used to reduce premiums, which means premiums will be automatically reduced by the amount of the dividend.
- Used to purchase additional paid-up insurance, in which case the amount of protection — and cash value — may be doubled* by age 65.
- Paid in cash to the policyowner.

If Dividends Are Applied to Premiums

If dividends^{*} are used to reduce the premiums, the net payment (premium less dividend) in the twentieth year for a male would be \$22.50 and for a female, \$18.20. By the twenty-third year for a female and the twenty-fourth year for a male, the dividend would exceed the premium and no further cash outlay would be required. Excess dividends would be returned to the policyowner in cash or used to increase the value of the policy as a hedge against inflation.

Why This Plan Makes Sense For Your Young Adult

- Your son or daughter will need life insurance as increased adult responsibilities are assumed. He or she can get started now — without worrying about meeting medical qualifications.
- It costs less to start young. Rates for a similar policy will never be lower than they are now for your child.
- A policy purchased at an early age teaches systematic thrift. Your son or daughter can pay a portion of the premium right from the start and take over full payment as soon as possible.
- Annual increases in the cash value of the policy can be used to meet emergencies or to take advantage of financial opportunities in later life.

Policy Values

Policy values in various years are as follows:

End of Year	Guaranteed Cash Value		Accumulated Dividends*
5	\$ 350	\$1,040	\$ 95.70
10	950	2,540	394.90
15	1,610	3,870	1,032.50
20	2,280	4,930	2,032.90
Age 65	6,230	8,420	18,420.30

Guaranteed Insurability Option

An important feature of this coverage is the Guaranteed Insurability Option, available at time of conversion. If it is elected, your son or daughter will have the right to buy additional \$10,000 policies at ages 25, 28, 31, 34, 37 and 40 - a total of \$60,000. These purchases are made at standard rates — without medical examination. Election of this option does not, however, commit your son or daughter to the purchase of additional insurance at any time in the future. He or she will have the right to make such purchases at any or all of the option ages. The additional premium for this option is:

M. State And Alex	Male	Female
Quarterly	\$ 3.20	\$ 2.60
Semi-Annually	6.20	5.10
Annually	12.20	10.00

If you are interested in adding this option to your policy, please be sure to check the appropriate box on the application.

How To Apply

Because the availability of this insurance is guaranteed under the NASA plan, there is no need for a medical examination or a time-consuming questionnaire. Simply complete the one-page application supplied, determine the proper premium (see rates above) and make check payable to the Home Life Insurance Company. Forward your check with completed application, signed by the child and the employee, in the postage-paid envelope provided. Be sure you indicate in the appropriate place on the application which of the dividend options you prefer (see explanation above).

Be sure to mail your premium check with the completed application in the postage-paid envelope provided.

Important! Keep in mind that the application must be submitted within the 31-day period before or after the child reaches age 19.

*Based on 1979 Dividend Scale. Dividends cannot be guaranteed.

TO:	Home Life Insurance Company®
	253 Broadway
	New York, New York 10007

RE: REQUEST FOR CONVERSION UNDER THE NASA CHILDREN'S ADDITIONAL CONVERSION PRIVILEGE

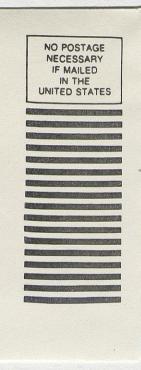
	NASA EMPLOYEE'S
Full Name	Full Name
Residence	Residence
NO. STREET	NO. STREET
CITY STATE ZIP	CITY STATE ZIP
Date of Birth MONTH DAY YEAR	Group Certificate No.
Place of Right	NASA Center Location
Place of Birth	Last contribution paid for Group Dependent Life Coverage for Calendar Quarter beginning
Married Single	January April July October Year 19
t is hereby requested that Home Life Insurance Compa amount described below.	iny issue an individual policy of insurance on the life of the child of the kind and
Plan of Insurance Desired: <u>WHOLE LIFE</u> A	
Premium Payments to be Made: Annually Annually Amount of Premium Enclosed: Male \$149.80	
Female 5145.50	□ \$76.40 □ \$38.90 □ \$74.20 □ \$37.80
utomatic Premium Loan Provision: To be effective,	
ividend Option Desired: Paid in Cash	Paid-Up Insurance
Reduce Premiums	s Accumulate at Interest (Applicant's Social Security Number:
ption to Guarantee Your Child's Future Insurability:	For More Information Check Have
	receive the death proceeds of the new policy in one sum, subject to change upon
ame	
lationship to Child	
elationship to Child is understood that: 1) The individual policy herein requested is a conve GL-661 and its issuance is subject to the terms a	ersion of the dependent group life insurance provided by Group Policy Number and conditions of the group policy.
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HOME LIFE INSURANCE COMPANY 20325 Center Ridge Rd. ROCKY RIVER, OHIO 44116



Home Life Insurance Company, New York

Dear NASA Employee Benefit Association Member:

Congratulations on the approaching nineteenth birthday of your child. May we extend good wishes on the occasion and express the hope that the years ahead will be healthy and productive ones for your young adult.

We want to draw to your attention that, under the NASA Dependents Life Insurance Plan, the \$2,000 coverage for your child terminates at age 19. The Plan offers the option, however, of allowing you to convert this coverage to an individual life policy of \$10,000.

The new policy is available without medical examination, provided the option is exercised within 31 days before or after the date of your child's nineteenth birthday.

You have an opportunity at this time to start your child on a lifetime insurance estate. You can make certain that, regardless of possible health problems, military service, or hazardous occupation in the future, your child will have at least \$10,000 of permanent protection, as well as gradually increasing cash values.

Furthermore you may elect an added feature called the "Guaranteed Insurability Option" which will give your son or daughter the right to buy additional insurance without a medical examination. To add this feature to the policy will require a separate application. If you are interested in more information please check the appropriate box on the attached application.

More information is given in the enclosed folder. We urge you to act promptly to guarantee continuing protection for your son or daughter in the important years ahead.

Sincerely,

NASA CONVERSION UNIT Home Life Insurance Company



FORM G-1337 12/78

"THE HOME OF PLANNED ESTATES"

20325 CENTER RIDGE ROAD ROCKY RIVER, OHIO 44116

> Dr. Sherman P. Vinograd, M.D. (Jocelyn 2/29/60)

SBR-3

Dr. and Mrs. Loren Carlson (Wife: Marian) 22 Meadowbrook Drive Davis, CA 95616 916, 756-4504

Dr. Loren Carlson Associate Dean Basic II Medicine Department of Physiology U of CA at Davis Davis, CA 95616

916, 752-1241 or 752-1011

Secretary: Sheron Holley



Feet	e Temp. °F.	mm. Hg.	In.Hg.	p. s. i.	Feet Altitude	Temp. °F.	mm. Hg.	In. Hg.	p. s. i.
63,500		43.147	1.6987	8.3433	350,000	-62.53	1.370x10-4	5.393×10-4	2.649x10-6
64,000		41.562	1.6363	8.0368	375,000	-30.81	5.240x10-5	2.063	1.013
64,500		39.977	1.5739	7.7304	400,000	2.76	2.189	8.619x10-7	4.233x10-7
65,000		38.395	1.5116	7.4244	425,000	46.72	9.853x10-	3.879	1.905
66,000		36.810	1.4492	7.1179	450,000	153.6	4.996	1.967	9.661x10-#
68,000		35.225	1.3868	6.8114	475,000	259.8	2.840	1.118	5.491
70,000	-69.700	33.640	1.3244	6.5049	500,000	365.6	1.751	6.892×10-#	3.385
72,000		31.087	1.2239	6.0113	550,000	575.7	7.882x10-7	3.103	1.524
74,000		28.534	1.1234	5.5177	600,000	755.7	4.138	1.629	8.000x10-=
76,000		25.982	1.0229	5.0241	650,000	814.9	2.354	9.266x10-*	4.551
78,000		23.427	9.2334x10-1	4.5302	700,000	875.4	1.410	5.550	2.726
80,000	-69.700	20.874	8.2183	4.0365	750,000	937.0	8.816x10-*	3.471	
82,000	-67.201	19.306	7.6009	3.7333	800,000	999.2	5.718	2.251	1.705
B4,000	-64.702	17.738	6.9835	3.4300	850,000	1062	3.828	1.507	1.106
86,000	-62.202	16.170	6.3660	3.1267	900,000	1125	2.634	1.037	7.402x10-10
88,000	-59.703	14.601	5.7486	2.8235	950,000	1188	1.855	7.304x10-10	5.093
90,000	-57.204	13.033	5.1312	2.5202	1.000.000	1251	1.335	5.256	3.587
92,000	-53.942	12.085	4.7578	2.3368	1,100,000	1377	7.300x10-*	2.874	2.582
94,000	-50.680	11.136	4.3843x10-1	2.1534x10-1	1,200,000	1503	4.242	1.670	1.412
96,000	-47.417	10.188	4.0109	1.9700	1,300,000	1629	2.591		8.202x10-11
98,000	-44.155	9.2390	3.6374	1.7865	1,400,000	1754	1.652	1.020 6.502x10-11	5.010
100,000	-40.893	8.2906	3.2640	1.6031	1,500,000	1878	1.090		3.194
110,000	-24.599	5.3678	2.1133	1.0380	1,600,000	2001	7.419x10-10	4.293	2.109
120,000	- 8.320	3.5329	1.3909	6.8315x10-2	1,700,000	2123	5.192	2.921	1.435
130,000	7.944	2.3508	9.2943x10-2	4.5650	1,800,000	2238	3.726	2.044	1.004
340,000	24.192	1.6000	6.2992	3.0939	1,000,000	2230	3.120	1.467	7.205x10-12
150,000	40.425	1.0988	4.3261	2.1248					S. P. S. S.
160,000	49.100	7.6304x10-1	3.0041	1.4755		CONVI	RSIONI	FACTORS	
17/4000	49.100	5.3096	2.0904	1.0267					
173,000	39.310	3.6899	1.4527	7.1351x10-3	1	mm. Hg. @ 32	= 133	3.3 Dynes/cm ²	SALE AND
110,000	18.288	2.5307	9.9635x10-3	4.8937			100	0 microns 937 In. Hg.	
200,000	- 2.735	1.7065	6.7185	3.2999			0.53	57 In. H20, @ 15	90
210,000	-23.697	1.1310	4.4528	2.1870			0.01	9339 Lbs./In.2	
220,000	-44.659	7.3452x10-2	2.8918	1.4203					
230,000	-65.602	4.6667	1.8373	9.0241x10-4	1	Inch Hg. @ 32	$e^{\circ}F = 0.49$	116 Lbs./In.2	
240,000	-86.525	2.8938	1.1393	5.5958			25.4	00 mm. Hg.	
250,000	-105.340	1.747	6.877x10-4	3.378			13.6	1 In. H ₂ O @ 15°C	
260,000	-105.340	1.042	4.104	2.016	$lh/ln^2 =$	2.036 In. Hg.	1 Minroy I	μ) Hg. = 0.001 r	
70,000	-105.340	6.223x10-3	2.450	1.203		27.70 In. H:O	1 micron ($m_{\rm I} = 0.001 {\rm fm}$	пт. нg. 3937 In. нg.
280,000	-105.340	3.716	1.463	7.186x10-5		51.7147 mm. I	Hg.	0.000 0	1934 Lb./In. ²
90,000	-105.340	2.221	8.745x10-5	4.295					
000,000	-105.3	1.328	5.229	2.568	1	Standard Atm	osphere = 29.9	21 In. Hg. @ 32°	F. Contraction of the
25,000	-90.12	3.988x10-4	1.570	7.711x10.6			760	mm, Hg.	
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De Vinograd

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GUARDITE COMPANY

Division of American-Marietta Company Wheeling, Illinois

Designers and Fabricators of Environmental Equipment

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From	ARDC	Model	Atmosphere	1956	Feet Altitude	Temp. °F.	mm. Hg.	In. Hg.	p. s. i.	Feet	Temp. °F.	mm. Hg.	In. Hg.	p. s. i.
					20,500	-14.034	342.52	13.485	6.6233	42.000		128.44	5.0568	2.4837
Feet Altitude	Temp °F.	mm. Hg.	In. Hg.	p. s. i.	21,000	-15.814	335.51	13.209	6.4877	42,500	-69.700	125.26	4.9314	2.4221
				14.696	21,500	-17.593	328.52	12.934	6.3527	43,000		122.43	4.8202	2.3675
0	59.000	759.99	29.921		22,000	-19.373	321.51	12.658	6.2171	43,500		119.61	4.7090	2.3129
500	57.217	746.76	29.400	14.440	22,500	-21.152	314.50	12.382	6.0815	44,000		116.78	4.5977	2.2582
1000	55.434	733.53	28.879	14.184	23,000	-22.931	308.08	12.129	5.9573	44,500		113.96	4.4865	2.2036
1500	53.652	720.27	28.357	13.928	23,500	-24.710	301.65	11.876	5.8330	45,000	-69,700	111.13	4.3753	2.1490
2000	51.869	707.03	27.836	13.672	23,500	-26.489	295.25	11.624	5.7092	45,500		108.63	4.2766	2.1005
2500	50.086	693.80	27.315	13.416		-28.268	288.82	11.371	5.5850	46,000		105.12	4.1780	2.0520
3000	48.304	681.51	26.831	13.178	24,500		282.40	11.118	5.4607	46,500		103.61	4.0793	2.0036
3500	46.521	669.24	26.348	12.941	25,000	-30.047	276.50	10.886	5.3468	47,000		101.11	3.9807	1.9552
4000	44.739	656.95	25.864	12.703	25,500	-31.826		10.655	5.2333	47,500	-69.700	98.603	3.8820	1.9067
4500	42.956	644.68	25.381	12.466	26,000	-33.604	270.64		5.1199	48,000	-03.700	96.380	3,7945	1.8637
5000	41.174	632.38	24.897	12.228	26,500	-35.383	264.77	10.424	5.0059	48,000		94.158	3,7070	1.8207
5500	39.392	621.00	24.449	12.008	27,000	-37.161	258.88	10.192	4.8922	48,500		91.933	3.6194	1.7777
6000	37.610	609.63	24.001	11.788	27,500	-38.940	253.00	9.9605				89.710	3.5319	1.7347
6500	35.827	598.22	23.552	11.568	28,000	-40.718	247.62	9.7490	4.7883	49,500	-69.700	87.488	3.4444	1.6918
7000	34.045	586.84	23.104	11.348	28,500	-42.496	242.25	9.5374	4.6844	50,000	-69.700	85.517	3.3668	1.6536
7500	32.263	575.46	22.656	11.128	29,000	-44.275	236.88	9.3259	4.5805	50,500		83.543	3.2891	1.6155
8000	30 481	564.92	22.241	10.924	29,500	-46.053	231.50	9.1143	4.4766	51,000			3.2115	1.5774
8500	28,700	554.38	21.826	10.720	30,000	-47.831	226.13	8.9028	4.3727	51,500		81.572		1.5392
9000	26.918	543.84	21.411	10.516	30,500	-49.609	221.23	8.7099	4.2780	52,000		79.599	3.1338	
9500	25.137	533.30	20.996	10.312	31,000	-51.387	216.33	8.5170	4.1832	52,500	-69.700	77.627	3.0562	1.5011
10,000	23.355	522.75	20.581	10.108	31,500	-53.164	211.43	8.3240	4.0884	53,000		75.877	2.9873	1.4672
10,500	21.574	513.00	20.197	9.9200	32,000	-54.942	205.53	8.1311	3.9937	53,500		74.130	2.9185	1.4334
11,000	19,793	503.28	19.814	9.7318	32,500	-56.720	201.63	7.9382	3.8989	54,000		72.380	2.8496	1.3995
11,500	18.012	493.52	19.430	9.5432	33,000	-58.497	197.17	7.7626	3.8127	54,500		70.632	2.7808	1.3658
12,000	16.231	483.79	19.047	9.3551	33,500	-60.275	192.71	7.5870	3.7264	55,000	-69.700	68.882	2.7119	1.3320
12,500	14.450	474 04	18.663	9.1665	34,000	-62.052	188.25	7.4114	3.6402	55,500		67.330	2.6508	1.3020
13,000	12.669	465.05	18.309	8.9926	34,500	-63.830	183.79	7.2358	3.5539	56,000		65.778	2.5897	1.2720
13,500	10.888	456.06	17.955	8.8188	35,000	-65.607	179.33	7.0602	3.4677	56,500		64.226	2.5286	1.2419
14,000	9.108	447.07	17.601	8.6449	35,500	-66.426	175.29	6.9012	3.3896	57,000		62.674	2.4675	1.2119
14,500	7.327	438.07	17.247	8.4710	36,000	-67.244	171.25	6.7422	3.3115	57,500	-69.700	61.123	2.4064	1.1819
14,500	5.546	429.08	16.893	8.2972	36,500	-68.063	167.22	6.5833	3.2335	58,000		59.746	2.3522	1.1553
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15,500	1.985	412.52	16.241	7.9769	37,500	-69,700	159.14	6.2653	3.0773	59,000		56.993	2.2438	1.1021
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	- 3.356	387.65	15.262	7.3487	39,500		146.37	5.6998	2.7995	61,000		51.069	2.0106	9.8753x10
	- 5.136	380.03	14.962			-69,700	144.77	5.5584	2.7301	61,500		49.484	1.9482	9.5688
	- 6.916	372.41	14.662	7.2014	40,000	-09.700	141.16	5.4330	2.6685	62,000		47.902	1.8859	9.2628
	- 8.695	364.77	14.361	7.0535	. 40,500		138.00	5.3076	2.6069	62,500		46.317	1.8235	8.9563
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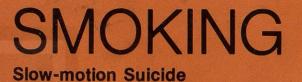
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HEALTH

INFORMATION

BULLETIN

Health Bulletin No. 14





National Aeronautics and Space Administration Washington, D.C. 20546

Occupational Medicine Program

Fifteen years ago, in 1964, the first Surgeon General's Report on Smoking and Health was released. It cited strong medical evidence that smoking was a threat to the health of those who smoked. In particular, it suggested that smoking could cause lung cancer. That report led to the warning label now carried by law on all packages of tobacco products. It also kicked off a boom in new brands of cigarettes: new filters and the low-tar-and-nicotine "lights."

A new Surgeon General's report has now been issued—1200 pages summarizing 30,000 studies over twenty years of intense smoking research. With this report, the case against smoking has become overwhelmingly strong. So many diseases and serious health problems are shown to be linked to smoking that the hazard is now impossible to ignore. From now on, anyone who continues to smoke should know that he or she is committing, as HEW Secretary Joseph Califano calls it, "slow-motion suicide."

Here are some of the things the new report reveals:

- Overall, those who are now smoking have an approximately 70% greater chance of dying from disease than nonsmokers (100% for 2-pack-a-day smokers).
- Smokers have a shorter life expectancy at any given age than do nonsmokers. That gap is greatest in the 45- to 64year age group, for both women and men.
- Cigarette smokers of all ages are nearly twice as likely to die of cardiovascular disease (heart attack).
- Smoking can now be considered a major, independent risk factor for heart attack.
- The strongest link between tobacco use and any disease was once again shown for lung cancer. The death rate for this disease among lifetime smokers is 16 times as high as for nonsmokers.
- Cigarette smoke acts "synergistically" to increase the damage done by many environmental poisons (asbestos, carbon monoxide, and most industrial carcino-

gens) and drugs (alcohol, caffeine), and to worsen many diseases (hypertension and allergies, for example).

 The disease-causing effect of cigarettes is related to dosage—the number and kind of cigarettes smoked. Low tar and nicotine brands do result in a lower risk of death from lung cancer.



Bad News for Women Smokers

The new report provided, for the first time, a detailed look at the effect of tobacco use on women smokers. For the previous report, there was little evidence on the subject because so few women had smoked before 1964. This time there were plenty of subjects and plenty of statistics to go on.

Women Catching Up Fast. You've come a long way, baby. Deaths from lung cancer among women have gone up 5 times since 1958. The Surgeon General predicts that within five years lung cancer will pass breast cancer as the leading cause of cancer death in women. More women are smoking more. And, says HEW's Califano, "Women who smoke like men die like men who smoke."

Smoking and Pregnancy. It appears that a pregnant woman who smokes gives her unborn child a smaller supply of oxygen, so that:

- babies of smokers weigh less than 5 1/2 lbs. on the average (200 grams below normal).
- babies of smokers grow and develop slower, both mentally and physically.
- 3) smokers have more miscarriages and stillborn deliveries.
- as many as 14 percent of premature deliveries can be blamed on the mother's smoking.

Smoking and The Pill. Smoking and birthcontrol pills don't mix. Women who smoke while on estrogen-containing pills are 10 times as likely to have a heart attack as other women their age. Last year a smoking warning was added to the labeling of oral contraceptives. This is a serious threat to the health of women smokers.

What Happens If You Quit?

One important study covered by the report (Doll and Peto, 1976) showed sharp drops in the death rate for all respiratory cancers in those who had once smoked and then quit. After five to nine years, ex-smokers had a death rate only 3/8 (less than half) as high as those who continued to smoke. Those who had not smoked for more than 15 years had only 1/8 the death rate from pulmonary cancer that lifetime smokers had. Death rates from emphysema and chronic bronchitis—two other common smoking-induced killers—did not fall quite so rapidly until after ten years of abstinence. Then they showed the same large improvements.

The Critical Point for Smoking. Twenty years of smoking appears to be the point where the risk of lung cancer becomes critical. Most smokers start when they are between 15 and 20 years old. If they are to avoid high risks of respiratory cancer and other chronic pulmonary diseases, these people must quit smoking by the time they are 35 to 40. There is overwhelming evidence of the danger of smoking after the age of 40. Doctors are now being urged through the AMA to focus on this age group among their patients who smoke and try to impress upon them the fact that they still have a chance to give themselves years of life.

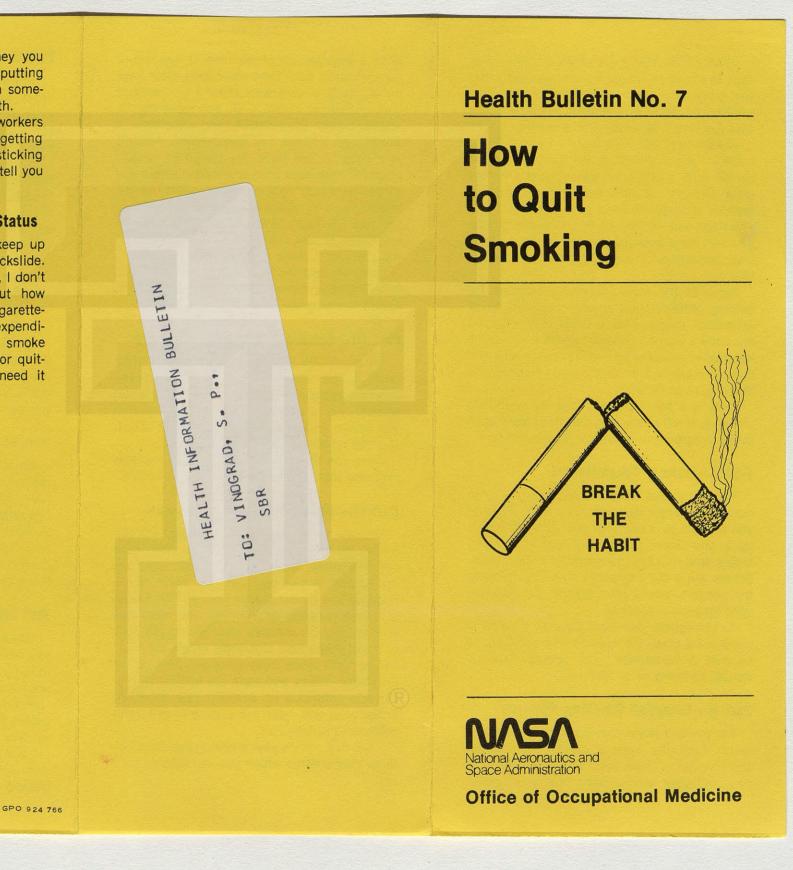
But that's only a chance. Don't gamble with your life. A lighted cigarette generates about 4000 different chemical compounds—most of which affect your body's chemistry, and thus your health, in some way. You know it's literally poison, so how can you keep smoking?

The trend to quit is building year by year. In this past year's Second Annual Great American Smoke-out, over 7-1/2 million people put away their cigarettes for a day—50% more people than had participated the year before. If you plan to live and be healthy, join the people who are cleaning up their act. If you need help, try the method suggested in NASA Health Bulletin No. 7. Quit saying you're going to quit. Start saving your breath, and just quit. Each day figure up how much money you saved by not buying cigarettes. Start putting that money in a piggy bank to blow on something ridiculous at the end of the month.

If you've told your family, friends, co-workers what you're up to, you ought to be getting plenty of compliments from them for sticking to your program. If not, remind them to tell you how great you are.

Part VIII—Enjoy Your Nonsmoker Status

Once you've quit, it's important to keep up a reward system so that you don't backslide. Take pleasure in saying, "No thank you, I don't smoke." Complain to a smoker about how obnoxious the habit is. Maintain your cigarettemoney piggy bank for totally frivilous expenditures. Anytime you're tempted to smoke again, look at your old list of reasons for quitting. After a few months you won't need it anymore.



Chances are that a lot of your friends who used to smoke no longer do. It's also likely that you more often find yourself to be the only smoker at a party. And in other people's homes ashtrays aren't so accessible anymore.

Nonsmokers are insisting on their right to breathe uncontaminated air and, as more people quit, social pressures against smoking grow stronger. A different kind of peer influence probably started you smoking many years ago and the new antismoking one can be an even more powerful motivation for quitting than knowledge of smoking's life threatening effects.

Some of the most successful methods for helping smokers quit involve applications of behavioral theory. This is because smoking is basically a learned behavior which has become habitual in response to certain associations and cues. Behavioral approaches focus on changing these habit patterns.

Here is a behavioral strategy for giving up smoking. It will be obvious that strict adherence to the program will guarantee your success.

Part I—Make a Commitment

Promise yourself that you will honestly try to quit. Set a target date and stick to it. Whether you want to go public with your commitment is up to you. Some people find that announcing their intention helps to strengthen their resolve. Others wage the campaign alone, postponing the congratulations from friends and relatives until they are successful.

To strengthen your commitment, it helps to make a list of all the reasons why you want to become a nonsmoker. You should have no trouble thinking of at least ten.

Part II—Establish Smoking Patterns

For the first three days continue smoking as usual. Each day keep a careful log of your smoking. Write down the time of day, the location, and your activity each time you smoke. Keep a separate log of the time of day and of the symptoms each time you cough, clear your throat, hack or otherwise show a symptom of nose and throat irritation. On this same log list apparent peer disapprovals and situations in which you infringe on nonsmokers. Analyze your data for this three day period to identify patterns. Note each time or situation where you almost invariably light up—after meals, on the telephone, with coffee or cocktails, etc. These are your CRITICAL times, the ones where the responses to the cues are so automatic that you don't even think about them.

Continue to keep both logs throughout the following days while you are carrying out the rest of the program.

Part III—Gradually Decrease Smoking

On the fourth day select a number of cigarettes to be smoked that day. The number should be considerably lower than your normal amount. For example, if your log shows that you smoke an average of 30 cigarettes a day, start by limiting yourself to 20.

From the fifth day forward, smoke one less cigarette each day than you did the day before.

Part IV—Breakup Smoking Patterns

You are going to have to eliminate 10 cigarettes on the fourth day and one more each day thereafter. Since the automatic ones are the hardest to give up, start with those. If you find that you almost always light up immediately following eating or drinking, you must now wait at least 30 minutes after taking any food or drink. Place your cigarettes across the room so you can't reach them when you pick up the telephone. Empty and wash the ashtray in your car and enforce a no smoking rule there. Be imaginative and make the automatic responses difficult to accomplish.

Each day, review your smoking log. New patterns may emerge which you will have to combat.

Part V—Create an Aversion to Smoking

In order to help extinguish the smoking urges, wear a loose fitting rubber band on your wrist. As each urge to smoke occurs, give yourself a good pop with the rubber band. This will decrease the frequency of the urges.

For the especially critical times, the rubber band may not be strong enough medicine. For the situations when the urge to smoke is almost overwhelming, the following prescription may be necessary:

Fill a small bottle or jar with old cigarette butts. When these very powerful urges get too strong, uncap the bottle and take a good whiff of all that nastiness. This is very aversive and should help a lot in these compelling situations.

Should you start to cheat on the program, a little extra punishment will be required. Each day you slip and smoke more than your alloted quota, send \$10 to the political or social cause you most strongly oppose.

Part VI—Substitute Other Behaviors

Do something else during your critical smoking times. Have breakfast, instead of a cigarette, with your morning coffee. For the anxiety cigarettes, try deep muscle relaxation (see Bulletin No. 3). After meals, take a walk or brush your teeth. Doodling, chewing gum and isometric exercises are good substitutes for those cigarettes smoked at your desk.

Part VII—Reward Yourself

On the evening of each day during which you have stuck to the routine, give yourself a little goodie of some sort—an extra dessert or whatever. You've earned it.

Routinely review the symptom log. Even before you have completely quit smoking you will see a substantial reduction in your coughing and hacking symptoms. You will also notice that people who do not smoke are more friendly.



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REMOTE AREA HEALTH CARE SYSTEMS



Lockheed Missiles & Space Company, Inc. Sunnyvale, California

The Remote Area Health Care Systems Provide:

- Extension of physician's and specialist's skills to remote areas.
- Delivery of health services by physician assistants under the direction of a physician.
- Shorter response time for routine and emergency care.
- Preventive health care.
- Continuing health and medical education.
- Increased effectiveness of existing facilities and personnel.
- A point of entry for additional treatment as required.
- Computerized health/medical records and real-time paramedic aids.
- Retrieval of medical records at patient contact point.
- An expandable and reproducible health care delivery capability.

Remote Area Health Care Systems

The System Concept

THE PHYSICIAN'S SKILLS and the facilities of the modern hospital can be made available to many patients who are remotely located and widely dispersed. A general practitioner, supported by specialists as required, can extend medical services through physician's assistants, nurses, and other medical personnel throughout a large area currently underserved, or unserved.

The system makes highly efficient use of the physician's time in relation to a widely dispersed community of patients. Yet the important physician/patient direct relationship is preserved despite the physical separation.

The System Techniques

THE SYSTEM results from nearly a decade of medical and engineering development sponsored by the National Aeronautics and Space Administration (NASA), and implemented by a team of physicians, scientists, engineers, and supporting subcontractors, managed by Lockheed.

In its original conception, the project was specifically oriented to astronaut health research and health care in space.* It included monitoring of medical and behavioral conditions, diagnostic techniques based on remotely accumulated data, and the prescription of corrective therapy and medication. The prescription function is implemented by a NASA ground control center physician in his telemedical communication with nonmedical personnel in the space vehicle. Its successful space application development has convinced NASA and the Department of Health, Education, and Welfare that its use for health care delivery in remote areas can be equally

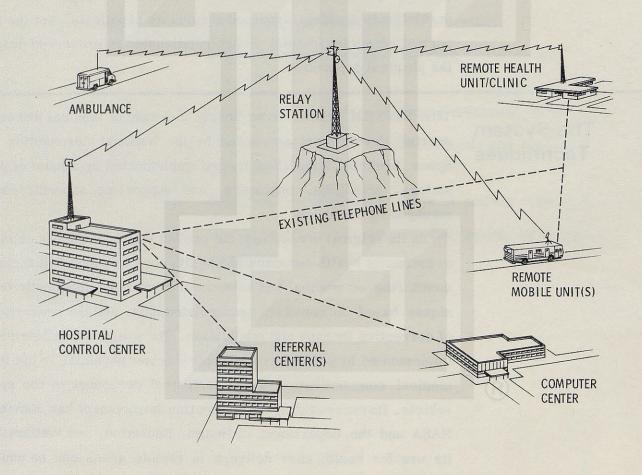
*This is the Integrated Medical and Behavioral Laboratory Measurement System (IMBLMS) project. successful. As a consequence, Lockheed is presently under NASA contract to design, build, and support the system on the Papago Indian Reservation in southwest Arizona, to which the Indian Health Service administers health care.

The System Elements

THE SYSTEM makes a physician available to distantly located patients by means of a television/radio communication network. The dedicated television link brings physician and patient face-toface, and the high-frequency radio link makes audio communication and data transmission convenient and private.

Remote units, both fixed and mobile, make use of paramedical personnel*under supervision of a physician at the Hospital/Control

*Related terms: physician's assistant, community health medic, nurse practitioner, paramedic, etc.



Typical Remote Area Health Care System Configuration

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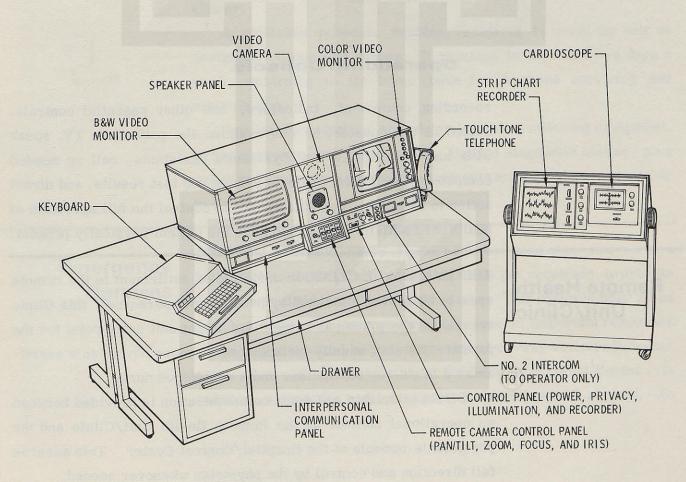
Center. In addition, a computer stores pertinent patient data and allows immediate retrieval by authorized personnel from any one of several locations.

Each application of the health care delivery system will have its own unique demands and solutions. As a result of these different local requirements, it is improbable that any two delivery systems will be identical. However, each system will have components common to other applications. These common elements include the following:

Hospital/Control Center

THE CONTROL CENTER at the hospital maintains continuous contact with the Remote Health Unit/Clinic, the Mobile Health Units, the Referral Centers, and the Computer Center. At the Control Center are stationed a general practitioner, system operators, and other ancillary personnel as needed.

A special console is provided for the physician. It contains a video screen, various audio communication devices, magnetic

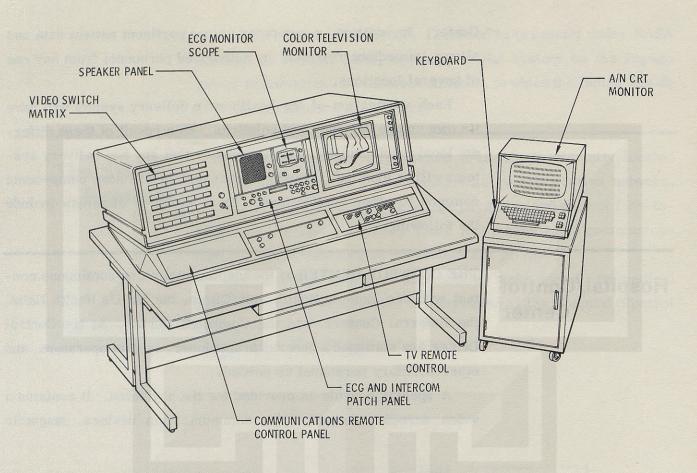


Physician's Console

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Operational Console

recording equipment, indicators, and other essential controls. Seated at the console, he can examine the patient via TV, speak with him and direct the physician's assistants, call up needed computer-stored data, examine x-rays and test results, and direct action to be taken. Essentially he can control the full spectrum of health care activity as he would were the patient physically present.

Remote Health Unit/Clinic

THIS IS A SMALL CLINIC in a village or settlement in the remote area to be served. Manned by paramedical personnel, this Clinic serves as the principal remote treatment unit entry point for the patient. Its staff usually includes one or more physician's assistants, a lab/x-ray technician, and a registered nurse.

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Direct television and voice communication is provided between an operational console at the Remote Health Unit/Clinic and the physician's console at the Hospital/Control Center. This assures full direction and control by the physician whenever needed.

Equipment at the Remote Clinic includes such items as physio-

logical monitoring devices, x-ray equipment, laboratory test facilities for medical examinations and diagnostic procedures, surgical instruments, endoscopic viewing equipment, etc. A small pharmacy section is provided, and emergency space away from normal patient traffic is available for seriously ill or injured patients awaiting transportation to the hospital.

A system operator's console is also provided for dispatching, communication system monitoring, video, voice, and data recording, and other control functions.

Mobile Health Unit

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THE MOBILE HEALTH UNIT is a scaled-down version of the Remote Clinic. Virtually all services offered by the Clinic are available from this specially equipped van operating on a regularly scheduled itinerary throughout the territory covered by the system. Operated by a physician's assistant, a lab/x-ray technician, and ancillary support personnel, the Mobile Unit carries video/audio equipment to allow communication with the physician at the Hospital/Control Center.

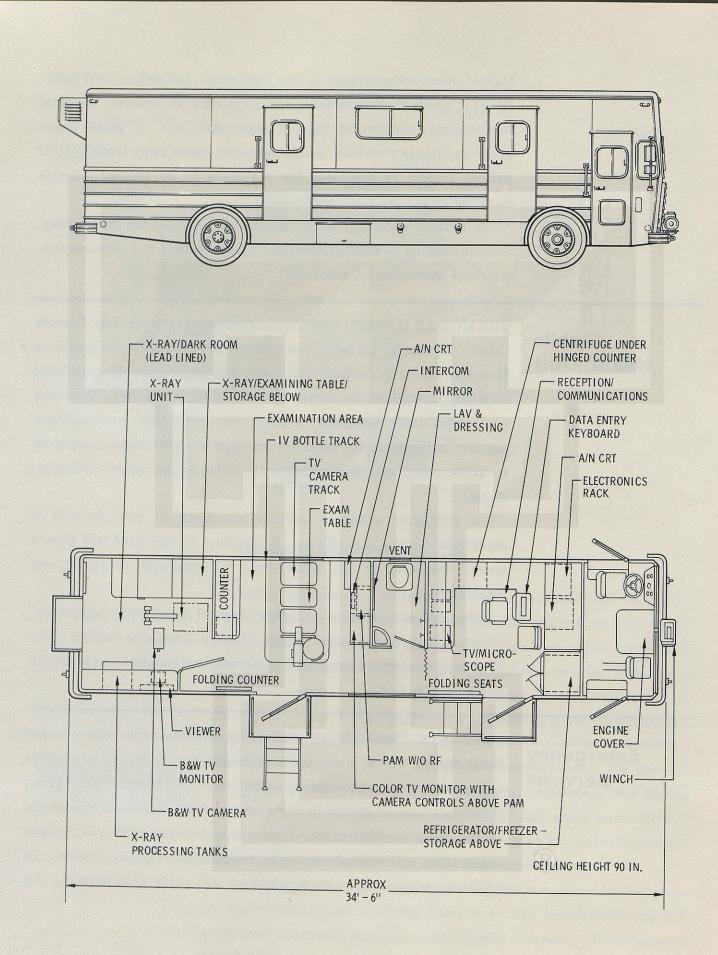
A published schedule enables residents to meet the unit at designated times and places. It remains in the field five days a week, returning to its home-base for weekend servicing and maintenance.

Regular examination and physiological monitoring equipment, x-ray exposure and development, limited diagnostic testing, plus drugs and emergency surgical instruments and supplies are available in the Mobile Unit.

Emergency Services

PORTABLE EMERGENCY MODULES, suitcase size, are carried in the Mobile Health Unit, and ambulances (as required), to provide quick medical aid in emergency situations. This portable unit* gives the physician's assistant on the scene several important resources of the other medical units. It provides two-way voice radio communication with the physician at the Hospital/Control Center. In addition, a separate radio transmitter can relay ECG signals. An

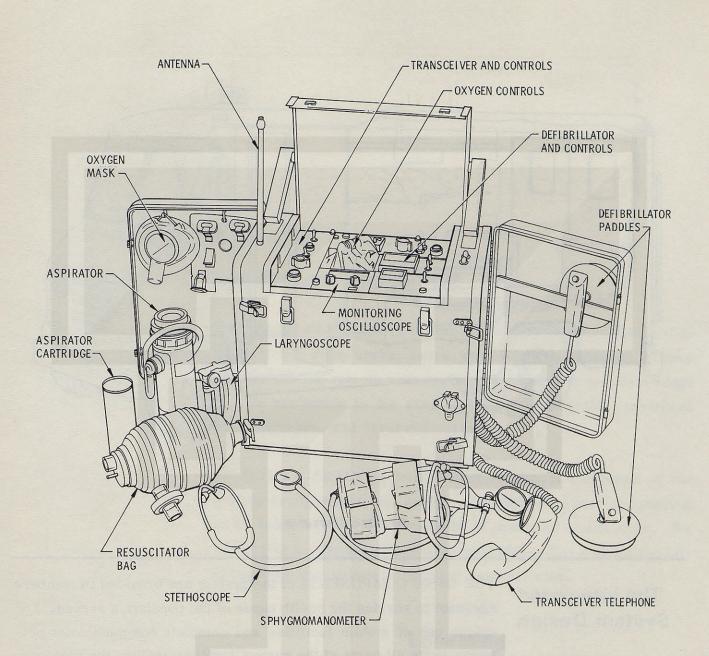
*Illustration of portable module courtesy of SCI Systems, Inc.



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Mobile Health Unit

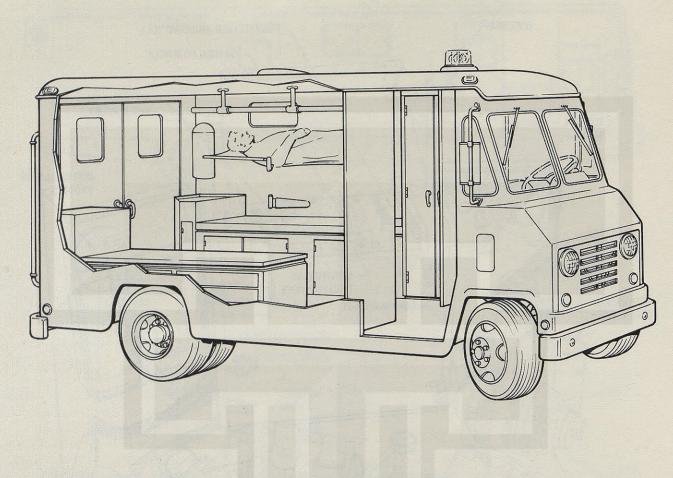


Emergency Module

acoustic coupler permits electrocardiogram transmission via standard telephone lines.

Other equipment in the emergency module includes a defibrillator, oxygen supply, a respirator resuscitator and aspirator, and other standard medical instruments. Supplies consist of tourniquets, bandages, dressings, and emergency drugs and medicines. The unit carries its own power supply.

Emergency services are dispatched from the Hospital/Control Center. Ambulances, when needed, further extend the outreach of the system.



Ambulance

The Integrated System Design

THE BASIC COMPONENTS of the system are provided in numbers adequate to service the health needs of the population served. The unique use of mobile facilities and complete communication networks to tie all parts of the system together enables the system to provide more efficient service than is possible by fragmented and isolated service units. Each element in the net can call upon other facilities and personnel to augment its own capabilities as required. Some redundancy is required to provide emergency backup for critical data links or processors; this can be achieved at much less cost than complete duplication of facilities at all locations served by the extended health care system.

Each location will require its own combination of equipment, facilities, personnel, and operational techniques. A system may range from the basic Control Center/Clinic link to the full baseline configuration – any multiplicity of its elements or a network of various or other configurations.

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Your Health Care Delivery Capability?

THE BASIC FLEXIBILITY of this health care concept enables it to be applied to many areas, users, and locations. Although we have emphasized the remote area application here, this system concept is also applicable to the extension of health care for a variety of city, suburban, and rural requirements.

AN INITIAL ANALYSIS will readily determine the extent of the system configuration and enable an approximate cost comparison to be made with current methods of providing health care. We would like to discuss with you the potential of this concept for fulfilling your own unique health care requirements.

Lockheed Biotechnology Marketing

Organization 15–50 Building 151 Post Office Box 504 Sunnyvale, California 94088 Telephone (408) 743–1180

Remote Area Health Care Systems





Journey to the Outer Planets



Jet Propulsion Laboratory Pasadena, California

Introduction

When Galileo Galilei looked through his first primitive telescope in 1610, the surprise that greeted him - four hitherto unknown moons orbiting Jupiter - rocked the world and started a new revolution in scientific inquiry that continues today.

Men had wondered for millenia about the stars that lit the night sky. They puzzled over a few objects, pinpoints of light that didn't obey the rules, that meandered among the fixed stars, refusing to settle down in regular orbits. Men named them "planets" or "wanderers." Violent arguments – even inquisitions – raged over the question, what were these wandering stars?

But each new century found men taking small, painful steps along the road called technology. New instruments were invented, first to measure the positions of the wanderers; then, at last, to magnify their images. Man realized the wanderers were other worlds, perhaps like his own.

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Once man learned to break free of Earth's gravity and the murky atmosphere that clouded his vision, he reached out to those wandering worlds. He photographed them from close range, studied their atmospheres and surface markings and chemistry, probed beneath their skins so he might understand what went on deep within.

As he explored, man came to understand that those other worlds relate to his home planet. They provided clues to Earth's origin and distant history, clues to how man might manage his home planet in the future.

Now one of the most exciting of those voyages to other planets – by two advanced Mariner-class spacecraft – the Voyager Project – will examine Galileo's Jovian moons in ways he couldn't have dreamed possible and will observe mighty Jupiter from close range. Then, they will probe even farther to study yet another object that Galileo wondered about – the ringed planet Saturn and its satellites.

Jupiter is so large that scientists sometimes regard the solar system as a two-body group – the Sun and Jupiter. Jupiter's massive gravitational attraction tugs at every other planet and wrenches comets from their orbits. Jupiter resembles a "mini-solar system," with its four "Galilean" satellites, each varying in physical characteristics much as planets vary with distance from the Sun.

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Saturn is unique in the solar system: its density is the lowest of the planets, less than that of water; until recently, it was believed to be the only planet encircled by a system of rings – presumably the remnants from the formation of its satellite system. These rings make Saturn a never-ending source of wonder and delight to telescopic viewers.

Four of Jupiter's satellites and one of Saturn's resemble the four inner planets in size and are of such scientific interest that they are worthy of detailed exploration on their own merits.



Dawn of the Mission

As early as August 20, 1977, soon after the Sun blazes out of the Atlantic Ocean off Florida's space coast, man-made fire and thunder will rattle the palmetto scrub as the first of two Voyager spacecraft rides its Titan-Centaur launch vehicle on the first leg of a long journey to Jupiter, Saturn, and beyond, a voyage to the outer planets.

The National Aeronautics and Space Administration will send the two spacecraft to advance our knowledge of the outer solar system - Jupiter, Saturn, their satellites, and perhaps even the farther reaches of space.

The spacecraft will be launched in the late summer of 1977, and will fly past Jupiter in 1979. Using the big planet's immense gravity to boost them on their way, the Voyagers will be accelerated toward Saturn, reaching the ringed planet in 1980 and 1981. There is also the possibility that one of the spacecraft will visit Uranus in 1986.

And then what, beyond Saturn? Both spacecraft will continue farther from the Sun, probing, studying and searching as they go. Far from Earth they will penetrate into galactic space, beyond the influence of the Sun, where they will cruise for eternity.

The Mission Plan

Twelve days after the first launch, the early morning scenario will be repeated. This Voyager, however, will spring after its earlier companion until it overtakes and passes it. This second-launched craft, Voyager 1, will arrive at Jupiter four months before its mate, and at Saturn will be nine months ahead. The slower, first-launched craft, Voyager 2, may be targeted on past Saturn to explore Uranus, if its predecessor Voyager 1 has performed well.

Following in the footsteps of the earlier reconnaissance of the Pioneer 10 and 11 missions, each Voyager spacecraft will conduct 11 separate science investigations, performing for their human masters a thorough physical examination of two planets, at least 11 satellites, the rings of Saturn, and interplanetary space.

The Voyagers will begin their scientific studies soon after launch. Both spacecraft will aim their instruments back toward the rapidly diminishing Earth; Voyager 1 may pass over the Moon's north pole and get a quick glimpse of our own recently visited satellite.

As mariners have done over the centuries since they took to the sea, these newest will sample the wind – this time the solar wind that streams a supersonic gale of charged particles from the Sun. Instruments will sample the solar wind constantly and about every 50 million miles, each Voyager will spin slowly to scan the sky in all directions.

A past in asteroid the orbi

E: Flight p flight p mum po And, like sailors, the Voyagers will thread their way past interplanetary reefs and shoals, as they cross the asteroid belt, a wide band of rock and space debris between the orbits of Mars and Jupiter.

efforts of centuries. Both Voyagers will fly past the equatorial regions of Jupiter, and one will pass beneath the south pole of Saturn.

Each Voyager will pursue its own unique trajectory. Flight planners ran computer simulations for many possible flight paths to determine those that would return the maximum possible knowledge -a closer look than the collective

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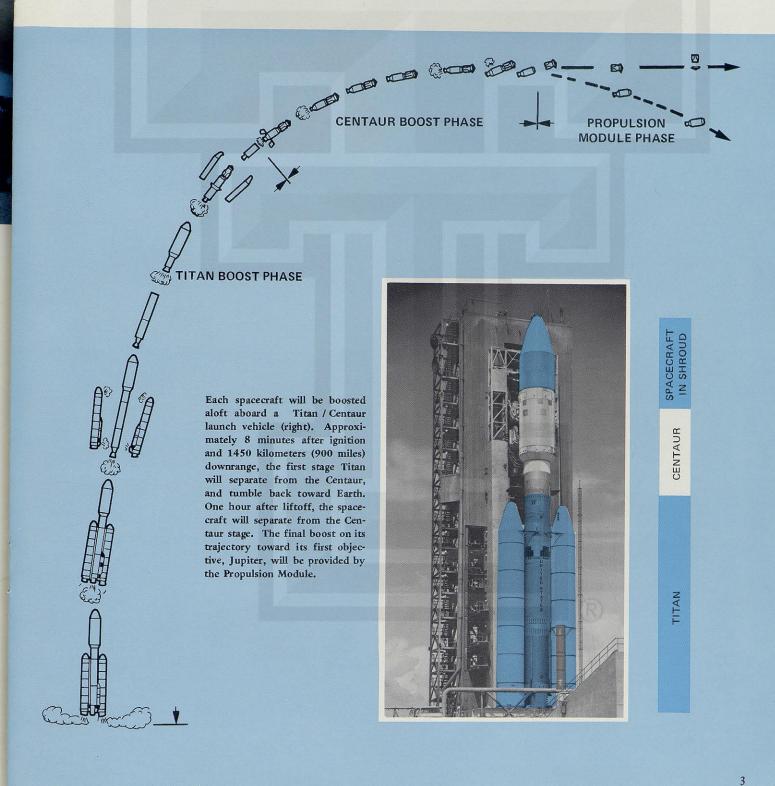
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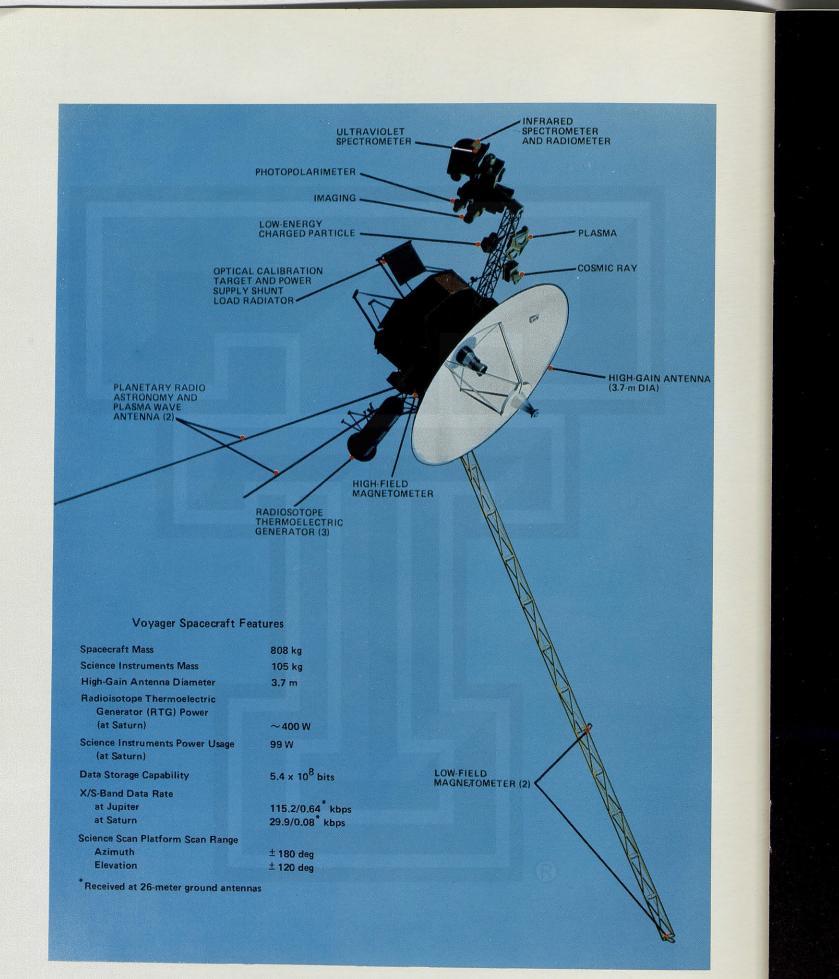
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d – this gale of sample million the sky An option exists: if everything has gone well at Saturn and the second spacecraft is still healthy, the slower Voyager 2 may fly on to Uranus, a planet only discovered in 1781 and never visited by spacecraft.





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Eight Months in the Jovian System

More than 16 months after launch – about December 15, 1978 – the speedier Voyager 1 will be transmitting photos of the brilliantly colored disk of Jupiter which

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of light for more than 40 minutes to reach scientists at the Jet Propulsion Laboratory in California.

Ultraviolet, infrared and polarimetric observations of Jupiter's visible disk will shed more light on the planet's unusual structure

will match the best resolution now available with Earth-based cameras. At this point, eighty million kilometers from Jupiter, Voyager 1 will swivel its scan platform to allow the narrow-

Voyager 1 will swivel its scan platform to allow the narrowangle television camera to begin its "observatory phase," 80 days before closest approach.

The narrow-angle camera will take hundreds of color pictures of Jupiter's visible disk, of the bright red and yellow bands, and of boiling storms like the Great Red Spot, as the planet revolves before the camera once each ten hours. The pictures will be recorded on Voyager 1's tape recorder and played back to Earth daily, across distances so great that the radio signals will travel at the speed and composition. The radio astronomy experiment will sense the presence of Jupiter and the radio bursts that appear to emit as much energy as several nuclear bombs. Chargedparticle sensors — from the plasma detector at the low end of the energy spectrum to the cosmic ray counter at the high-energy end — should still be observing solar-wind phenomena although there will be occasional bursts of energetic particles from Jupiter.

Voyager 1 will cruise on, drawing ever nearer its growing target, until in early February 1979, it will be 30 million kilometers distant with 30 days to go before encounter (closest approach). By now Jupiter will loom two and a half times larger in Voyager 1's eyes than it appeared in December. All activities will sharply increase; scientists will begin to select atmospheric features of special interest, such as the Great Red Spot and other storms for close-up observation nearer the planet. Jupiter's satellites will begin to come within reach of the spacecraft's television eyes now. There are 13 or 14 known Jovian satellites; of these, four are comparable in size to our Moon and two of these are larger than Mercury; at least another four orbit Jupiter "in the wrong direction," in what astronomers call retrograde orbits. One of the biggest satellites, Io, has an effect on those great Jovian radio bursts which Voyager will listen to and report on.

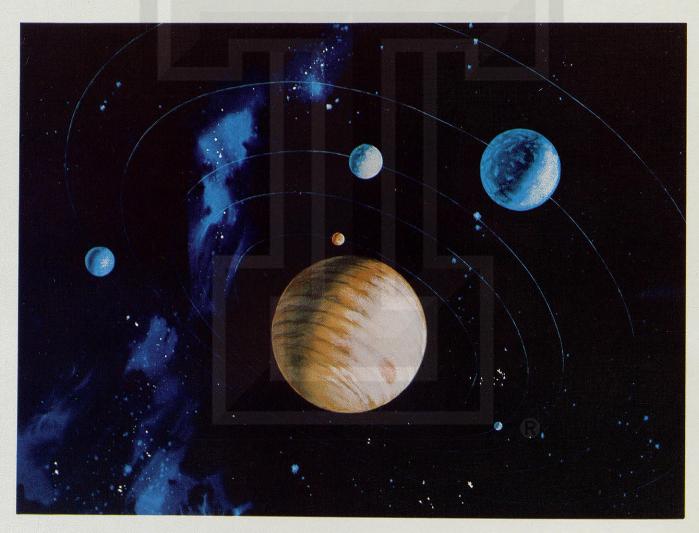
Still the planetary voyager will sail on. Eight days hefore closest approach, Jupiter will be so near that the narrow-angle camera can no longer effectively cover the entire disk; the wide-angle camera will assume that chore while the other instrument looks at selected phenomena. Spectrometers will scan the atmosphere and the cloud tops to help determine the composition and nature of the brilliant cloud bands.

1979: The First Encounter

Near-encounter will occur during the first days of March 1979. By now, high-energy radiation in Jupiter's magnetosphere will be bombarding the spacecraft and its intricate electronics.

Activity on board the Voyager and back at Earth will reach a peak. Shortly before Voyager 1's closest approach to Jupiter – early on March 5, 1979 – the spacecraft will pass tiny Amalthea, innermost of Jupiter's satellites, and will photograph it from a distance of 415,000 kilometers. The pictures that flash toward Earth will give scientists their first-ever close look at Amalthea.

Voyager 1 will whip by Jupiter about 280,000 kilometers (a distance equal to 4 Jupiter radii) from the visible surface of the planet. Now the radiation bombardment will reach its peak, but Voyager 1 will bore ahead. Then ... nothing. No word from the Voyager for almost two hours as it slips behind Jupiter. Its computers will direct the flight, the data collection by its instruments, and



Voyager will scrutinize the giant planet Jupiter and five of its 13 or 14 known satellites.

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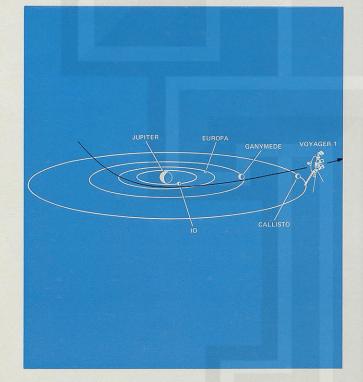
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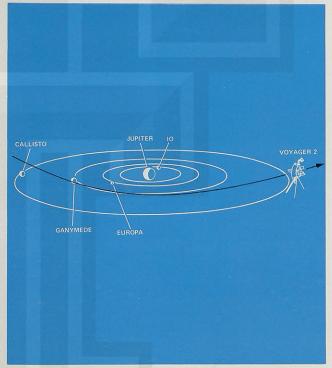
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In December 1978, eighty days before closest approach, Jupiter will be a mere speck in the eye of Voyager's wide-angle cameras. But with each passing day, it will grow until it overflows the cameras' fields of view as the spacecraft nears its closest approach point in early March 1979. The white squares indicate the field of view of the narrow angle cameras.





Voyager 1's closest approach to Jupiter will be about 280,000 kilometers from the visible surface, as it passes between the great planet and its nearest satellite, Amalthea (hidden behind the planet in this simulated view). Closest approach to each satellite will occur as Voyager 1 passes out of the Jovian system.

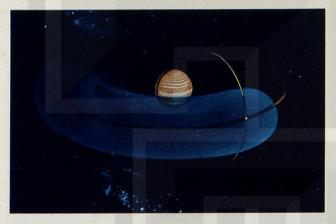
Voyager 2, on a more cautious trajectory to avoid the intense planetary radiation, will pass 645,000 kilometers from Jupiter at its closest point. This flight path will cause Voyager 2 to encounter the satellites before the planet itself, as seen in this simulated view showing closest approach to each satellite.

the recording for later playback to Earth. As Voyager 1 disappears behind Jupiter, scientists will obtain valuable measurements of the atmosphere of the planet as sunlight and the dual-frequency (S-band and X-band) radio links pass through and are affected by the atmosphere.

As Voyager 1 soars away from Jupiter, boosted into its new flight path toward Saturn, it will examine all four of the big Galilean satellites of Jupiter: Io from 22,000 kilometers at +3 hours after closest approach, Europa from 733,000 kilometers at +5 hours, and Ganymede and Callisto from 120,000 kilometers at +14 hours and +29 hours, respectively.

Jupiter, and perhaps all of the outer planets, has an extensive magnetosphere, a region surrounding the planet in which energetic particles are trapped by the planetary magnetic field. The outer, least dense region of the Jovian magnetosphere is highly variable in size, perhaps due to varying pressure of the impinging solar wind. As Voyager 1 brushes past Io, it will pass through the "flux tube," a region of magnetic and plasma interaction between Jupiter and Io caused by the intersection of Jupiter's magnetic field with Io. This tube, believed to be a circular cylinder of about the diameter of Io, affects the Earth-reception of Jupiter's radio emissions, and is a region of magnetic and plasma interaction.

Jupiter's gravity will slingshot Voyager 1 toward Saturn, 800 million kilometers farther from the Sun. As Jupiter grows smaller and smaller in the instruments' fields

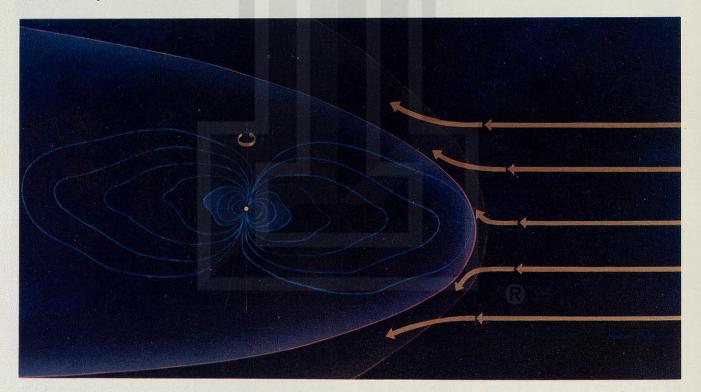


Between Jupiter and its satellite Io, Voyager 1 will pass through the flux tube (yellow), a region of high magnetic and plasma interaction. Jupiter is encircled by a cloud of hydrogen, while clouds of hydrogen (blue) and sodium (orange) surround Io, and trail the satellite's orbital path.

of view, Voyager 1 will continue to examine the planet and its satellites until mid-April, about six weeks after closest approach.

The second craft, Voyager 2, sailing along behind its speedier companion, will now move within range of Jupiter. Its "observatory phase," similar to Voyager 1's, will begin about April 20, 1979 and will last for approximately five weeks. Voyager 2 will continue the long-term observations, making what amounts to a motion picture of atmospheric movement of the largest planet in the solar system.

Voyager 2 will navigate a more cautious course: to avoid much of the intense radiation near the planet, it will fly much farther from Jupiter than its predecessor – no closer than 645,000 kilometers (about 9 Jupiter radii). It will not repeat the close flyby of Io, but before Jupiter encounter it will survey Callisto from 220,000 kilometers and Ganymede from 55,000 kilometers. It will fly within 201,000 kilometers of Europa and will take a flashing glance at Amalthea from 550,000 kilometers. Voyager 2 will make its closest approach to Jupiter on July 9, 1979. As it heads on towards Saturn, the craft will spend the rest of July and early August looking back over its shoulder at the receding Jupiter.



The outer, least dense region of the Jovian magnetosphere is highly variable in size, perhaps due to varying pressure of the impinging solar wind.

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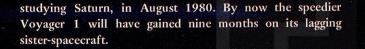
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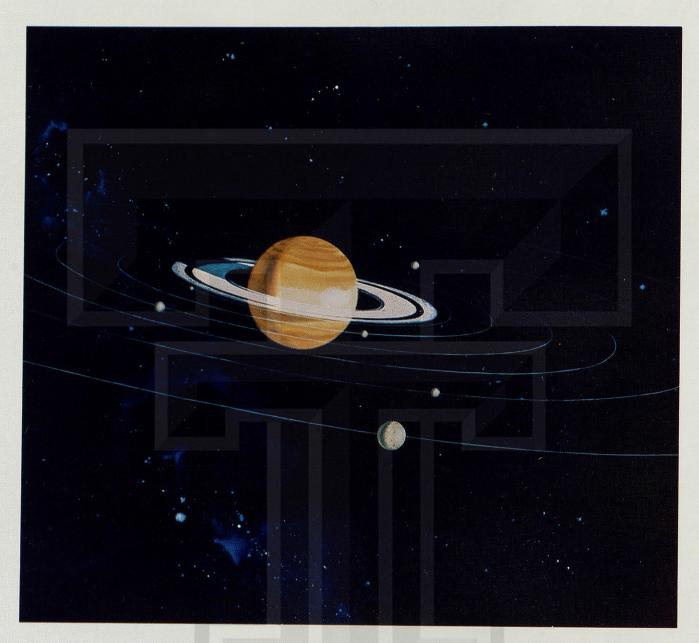
Exploring Saturn

Both craft will fly on through space, making their measurements and observations of a variety of phenomena and radioing their findings back to Earth. About one year after the Jupiter mission has ended, Voyager 1 will begin On its inbound journey, Voyager 1 will closely examine an object of intense interest to scientists: the big satellite Titan. Titan is 5,800 kilometers in diameter, only slightly smaller than Mars. It is the only satellite known to have a dense atmosphere; the methane that surrounds Titan may be as dense as Earth's atmosphere. Titan's mass is



As Voyager 1 draws closer to the ringed planet, the planet's image will grow in the narrow-angle camera's field of view through the fall of 1980. By mid-October, the rings will be too large to be captured in a single frame and scientists back on Earth will combine several frames. Since no one knows how extensive Saturn's magnetosphere is, the fields and particles instruments will begin continuous highrate data acquisition a month before the closest approach near November 13. Recent radio-astronomy observations from Earth satellites appear to confirm the presence of radio emissions from Saturn, suggesting that a magnetic field and an accompanying trapped radiation belt are present. about twice that of the Moon. Some scientists have speculated that complex organic compounds could have formed in the atmosphere of Titan and now reside on the surface, leading to further speculation that it might even harbor some primitive form of life. Voyager 1 will sail a course only 4,000 kilometers from the surface of Titan, then will fly behind the satellite, cutting off the radio signal to Earth and passing through Titan's solar shadow. Again, the purpose is to analyze the atmosphere, just as Voyager 1 did at Jupiter. Instruments aboard Voyayer 1 will be acquiring unique data: scientists cannot see Titan clearly from Earth.

Saturn has other satellites: ten have been discovered, so Voyager 1 will not be satisfied by its brush with Titan. It will also survey Tethys during the approach to Saturn and its rings, and Mimas, Enceladus, Dione and Rhea afterward.



Beginning in late 1980, Voyager will encounter the ringed planet Saturn and six of its satellites.

Voyager 1 will pass about 140,000 kilometers below Saturn's south pole, snapping hundreds of pictures as it passes. Wide-angle and narrow-angle cameras, polarimetric, ultraviolet and infrared instruments will scan the planet and its rings. The magnetosphere and accompanying regions of charged particles will be charted along the spacecraft's path.

Saturn's rings are not solid – they couldn't be because tidal forces and different rotational speeds at different distances from Saturn would break them up – so Voyager 1's radio signals will be able to trickle through the rings and rell scientists a great deal about those unique objects. And the scientists will learn much more about Saturn's atmosphere and composition as the Sun's rays and the spacecraft radio signals fade and reappear again, as at Jupiter and Titan.

As Voyager 1 flies away from Saturn, its instrument scan platform will look back at the north polar region, the lighted crescent and the tilted rings, collecting long-range information for another month. follov 1981. charte Voya

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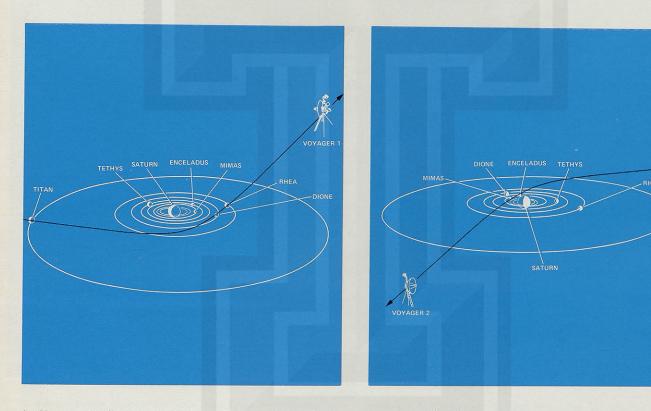
A Second Look at Saturn

Six months after the first encounter ends, the following craft, Voyager 2, will cruise into range in June 1981. While the course of Voyager 1 has been carefully charted, mission planners have left their options open for Voyager 2.

There are two choices. The second spacecraft could repeat the mission of its predecessor, complete with close Titan pass and flight beneath the south pole. But, if all has gone well with the first encounter with Saturn, its rings, and Titan, and if the trailing craft is healthy, controllers and scientists might pick a new path, using Saturn's gravity to boost Voyager 2 toward distant Uranus. This plan calls for another close pass by Saturn, brushing near the outer edge of the rings. Voyager 2 would whip past the ring plane about 38,000 kilometers beyond the outer edge visible from Earth, foregoing a repeat of the close Titan pass. Instead, Voyager 2 would pass about 353,000 kilometers from Titan. Rhea would come within 254,000 kilometers of Voyager; Tethys, 159,000 kilometers; Enceladus, 94,000 kilometers; Mimas, 33,000 kilometers; and finally Dione, 196,000 kilometers distant.

Voyager 2 will flash past Saturn on August 27, 1981, heading ever outward from the Sun, looking back toward Saturn until late September.

By that time, the two Voyagers will have completed close-up examinations of two planets and their satellites. The quantity of planetary data compiled will exceed that amassed by Mariner 9 in its 11-month survey of Mars, to which may be added several years' worth of fields and particles measurements in unexplored regions of the outer solar system. The atmospheres and magnetospheres of the planets will have been analyzed and charted, and five Jovian and six Saturnian satellites will have been surveyed in considerable detail.



As Voyager 1 sails through the Saturnian system, it will pass 140,000 kilometers from the ringed planet's southern polar region, and cruise past six of the ten known Saturnian satellites. This view shows the approximate position of each satellite at closest approach by the spacecraft.

Voyager 2 will gain an even closer look at Saturn. For the Uranus option trajectory, it will pass within 38,000 kilometers of the outer edge of the rings, and again will survey the same six satellites. This simulated view shows the approximate position of each satellite at closest approach by Voyager 2.

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Voyager Science Operations

The scientific investigations of the Voyager mission are multipurpose: most are intended to obtain data in a variety of environments. For example, the ultraviolet spectrometer is oriented toward planetary and satellite atmospheres and toward studies of interplanetary and interstellar hydrogen and helium. The magnetic fields experiments will examine the magnetospheres of the planets and the search for the transition between solar and galactic regions.

Thus, it is difficult to separate "planetary" from "interplanetary" instruments and experiments. There is,

	VOYAGER SCIENT	IFIC INVESTIGATIONS
Experiment	Principal Investigator	Primary Measurements
Cosmic Ray	R. E. Vogt, California Institute of Technology	Energy spectra and isotopic composition of cosmic ray particles and energetic particles in outer planetary magnetospheres.
Imaging Science	Team Leader, Bradford Smith, University of Arizona, Tucson	Imaging of planets and satellites at resolutions and phase angles not possible from Earth. Atmospheric dynamics and surface structures.
Infrared Interferometer Spectrometer	Rudolf Hanel, Goddard Space Flight Center	Energy balance of planets. Atmospheric composition and temperature fields. Composition and physical characteristics of satellite surfaces and Saturn rings.
Low-Energy Charged Particles	S. M. Krimigis, Johns Hopkins University, Applied Physics Lab.	Energy spectra and isotopic composition of low-energy charged particles in planetary magnetospheres and interplanetary space.
Magnetometer	Norman Ness, Goddard Space Flight Center	Planetary and interplanetary magnetic fields.
Photopolarimeter	Charles Lillie, University of Colorado	Methane, ammonia, molecular hydrogen, and aerosols in atmospheres. Composition and physical characteristics of satellite surfaces and Saturn rings.
Planetary Radio Astronomy	James Warwick, University of Colorado	Planetary radio emissions and plasma resonances in planetary magnetospheres.
'lasma	Herbert Bridge, Massachusetts Institute of Technology	Energy spectra of solar-wind electrons and ions, low-energy charged particles in planetary environments, and ionized interstellar hydrogen.
Plasma Wave	Frederick L. Scarf, TRW Systems Group	Dynamics of planetary magnetospheres and satellite per- turbation phenomena associated with charged particle- plasma wave interactions. Determination of electron density.
Radio Science	Team Leader, Von R. Eshleman, Stanford University	Physical properties of atmospheres and ionospheres. Planet and satellite masses, densities, and gravity fields. Structure of Saturn rings.
Jltraviolet Spectrometer	A. Lyle Broadfoot, Kitt Peak National Observatory	Atmospheric composition including hydrogen to helium ratio. Thermal structure of upper atmospheres. Hydrogen and helium in interplanetary and interstellar space.

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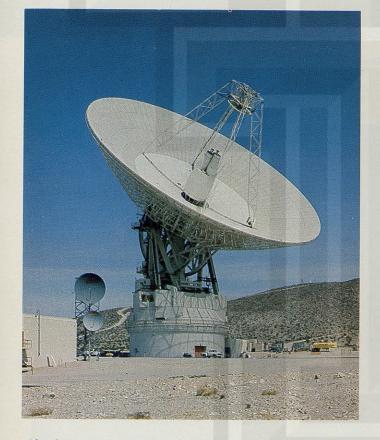
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n n however, another way of grouping: the optical scanners, mounted on the spacecraft's scan platform, have narrow fields of view and must be accurately pointed. They collect radiant energy (light, for example) from their targets and create images or spectral information that permit scientists to understand the physical form or chemical composition of the planets and satellites. Experiments in this group include the imaging-science instruments (the cameras), the infrared interferometer-spectrometer and radiometer, the ultraviolet spectrometer and the photopolarimeter.

A second family of experiments senses magnetic fields and fluxes of charged particles as the spacecraft passes through them. These instruments, fixed to the body of the spacecraft, have various fields of view; their data taken together will provide information on planetary magnetic fields and trapped radiation zones (and indirectly, on interior structures), on Sun-planet and planet-satellite interactions, and on cosmic rays and the outer reaches of the solar plasma. These experiments are the plasma, low-energy charged particles, cosmic ray and magneticfields investigations.

A third family of experiments consists of the planetary radio astronomy and the plasma-wave experiments, whose long antennas will listen for radio emissions from Jupiter and will measure waves in the plasma surrounding the planets.

A radio experiment will use S-band and X-band radio links between the spacecraft and Earth to gather information on planetary and satellite ionospheres and atmospheres, and spacecraft tracking data to chart gravitational fields that affect Voyager's course.



The giant antennae of the world-wide Deep Space Network such as the 64-meter dish at Goldstone, California, will receive the spacecraft radio signals and route them on to Mission Operations for analysis.



Mission Operations at the Jet Propulsion Laboratory, Pasadena, California, will be the focal point of Earth activities during the 8-1/2-year mission.



Our solar system may have had its beginnings within an immense, rarified gaseous body such as the Orion Nebula.

What We Hope to Learn

A major objective of the space program is to acquire a basic understanding of the solar system and its origin and evolution. Most theoretical models state simply that the solar system started with a gaseous nebula. Temperature, pressure and density of the gas decrease with distance from the Sun. Formation of the planets is believed to have resulted from accretion of the nebular material. Observed differences in the planets are accounted for by variations in the material and conditions at formation. Knowledge gained at each planet or satellite can be related to others and contributes to overall understanding.

Missions to Mars, Venus, Mercury and the Moon have contributed greatly to this body of knowledge. Each of these planets has its own personality, significantly different from others because of its unique composition and relationship to the Sun. Individual as they are, they are generally related as bodies that originated near the Sun and are composed mainly of heavier elements. They are classified as "terrestrial" planets.

Scientists have known for a long time that Jupiter, Saturn and the other outer planets differ significantly from the terrestrial planets. They have low average densities; only hydrogen and helium among all the elements are light enough to comprise the bulk of these planets. Jupiter and Saturn are sufficiently massive (318 and 95 times Earth's mass, respectively) to indicate that they have retained almost all of their original material. They are, however, only relatively pristine examples of the material from which the solar system formed because, while little or no planetary material has been lost, the planets have evolved during almost 5 billion years. If that evolution can be traced, scientists could obtain an understanding of the early state of that region of the solar system.

Ground-based observations and Pioneers 10 and 11 have determined that Jupiter radiates more energy than it receives from the Sun, and this appears true at Saturn, also. An exact measure of this imbalance is impossible from Earth, since only a portion of the planets' surfaces – the fully lighted dayside – can be seen. It is difficult to study early morning and late afternoon regions, and impossible to see their night sides.

The Interiors: Clues to the Universe

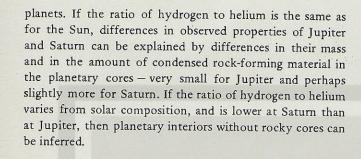
Any discussion of interior temperatures of the outer planets is impossible without knowing how much energy flows from those interiors. Discussion of their evolution requires knowledge of whether the energy is caused by primordial heat, gravitational contraction, or perhaps just energy from a short-period storage mechanism. An understanding of a planet's atmospheric structure and dynamics requires accurate knowledge of the magnitude and location of sources heating that atmosphere.

Jupiter and Saturn, unlike the dense, rocky planets Mercury, Venus, Earth and Mars, are composed mostly of hydrogen and helium – but how much of each? The answer will reveal the general structure of the interior of the plan for and the sligh varie at Ju be ir

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The ratio of hydrogen to helium, therefore, is of fundamental importance. Spectroscopy from Earth offers no answers because cold helium cannot be detected. Attempts to study helium by its effects on other atoms or molecules have been unsuccessful because of the complex atmospheric structure of the outer planets, which have mixed clouds, hazes, and gases that vary over the surfaces.

Measurements by the Pioneer spacecraft have determined this hydrogen to helium ratio to be near the solar value, but a more precise determination to be made by the Voyager spacecraft at several depths of the atmospheres of Jupiter and Saturn will provide fundamental bounds on the interior models of both planets.

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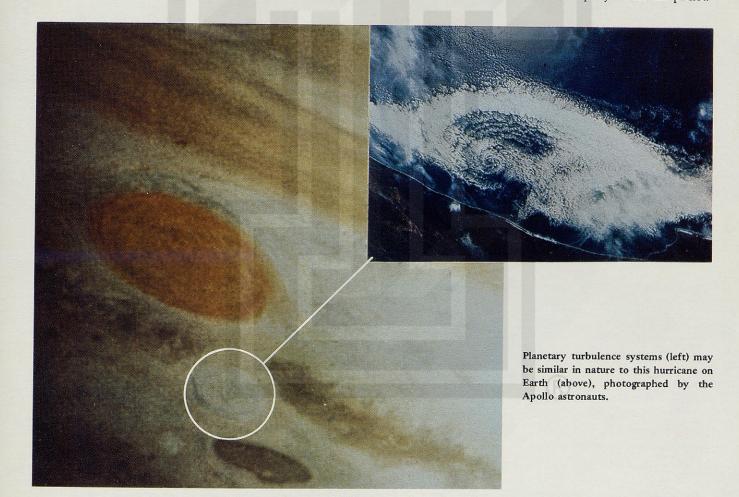
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of ver he The magnetic field of a planet is an externally measurable indication of conditions deep in the interior. Jupiter has a magnetic field more than ten times stronger than Earth's. The planet's radio bursts are related to radiation belts that are in turn related to the existence of the strong magnetic field. A variety of related phenomena can be directly measured by instruments near the planet. The detailed study of these phenomena and their interaction with the solar field surrounding the planet will reveal much of what lies at various depths below the clouds.

Direct evidence of a magnetic field and related phenomena is not available for Saturn. Only recently have indirect observations, from Earth-orbiting satellites, indicated the presence of a magnetic field. A close-up comparison of Saturn with Jupiter will be of great interest.

The visible surfaces of Jupiter and Saturn are spectacular. They are not solid surfaces at all, but extremely complex opaque cloud structures with massive turbulence systems – suggesting some of the more severe hurricanes on Earth – that move rapidly across the planet.



Often these storm systems appear, mature and vanish in a few days. One – the famous Great Red Spot – seems to be nearly permanent. It disappears rarely and then for only a short time.

A systematic study of the dynamics and composition of the clouds of Jupiter and Saturn will provide information on the cloud layers and physical mechanisms causing movement. The information, when compared to planets like Earth, Mars and Venus, will permit scientists to test general theories of climatology over widely varying conditions. The studies will be made over several months at each planet.

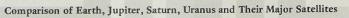
Evolution of the Satellites

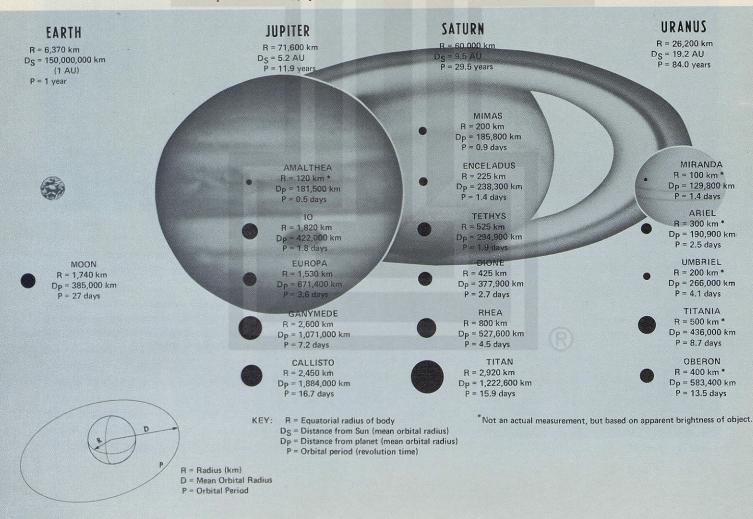
The many satellites of Jupiter and Saturn and Saturn's spectacular rings present opportunities to understand condensed material in the outer solar system. The studies will test theories that predict chemical composition of condensed material according to distance from the Sun, given assumed conditions in the solar nebula. The chemical histories and surface evolution (including records of meteorite impacts) of the satellites will be entirely different from the planets of the inner solar system; they are, therefore, of primary interest for detailed study.

Saturn's satellite Titan, as a specific case, has an atmosphere perhaps as dense as that of Earth. Given the assumed concentrations of methane, and a solid surface on which complex molecules can accumulate, it is a likely site of simple organic compounds and, therefore, an extremely important body for detailed exploration.

The small satellites of Jupiter are similar to asteroids in size. Presumably, they have been pulled from the asteroid belt and captured by the planet. Because they are so small, they rapidly dissipate any heat produced by radioactive decay and should not have changed significantly since formation.

Saturn's rings are often explained as remnants of a gaseous disk that once surrounded Saturn and from which its major satellites formed. Since that description loosely compares with the formation of the planets themselves, detailed study of the rings may provide clues to the behavior of the gaseous disks that might have evolved into the satellites and, indeed, the entire solar system.





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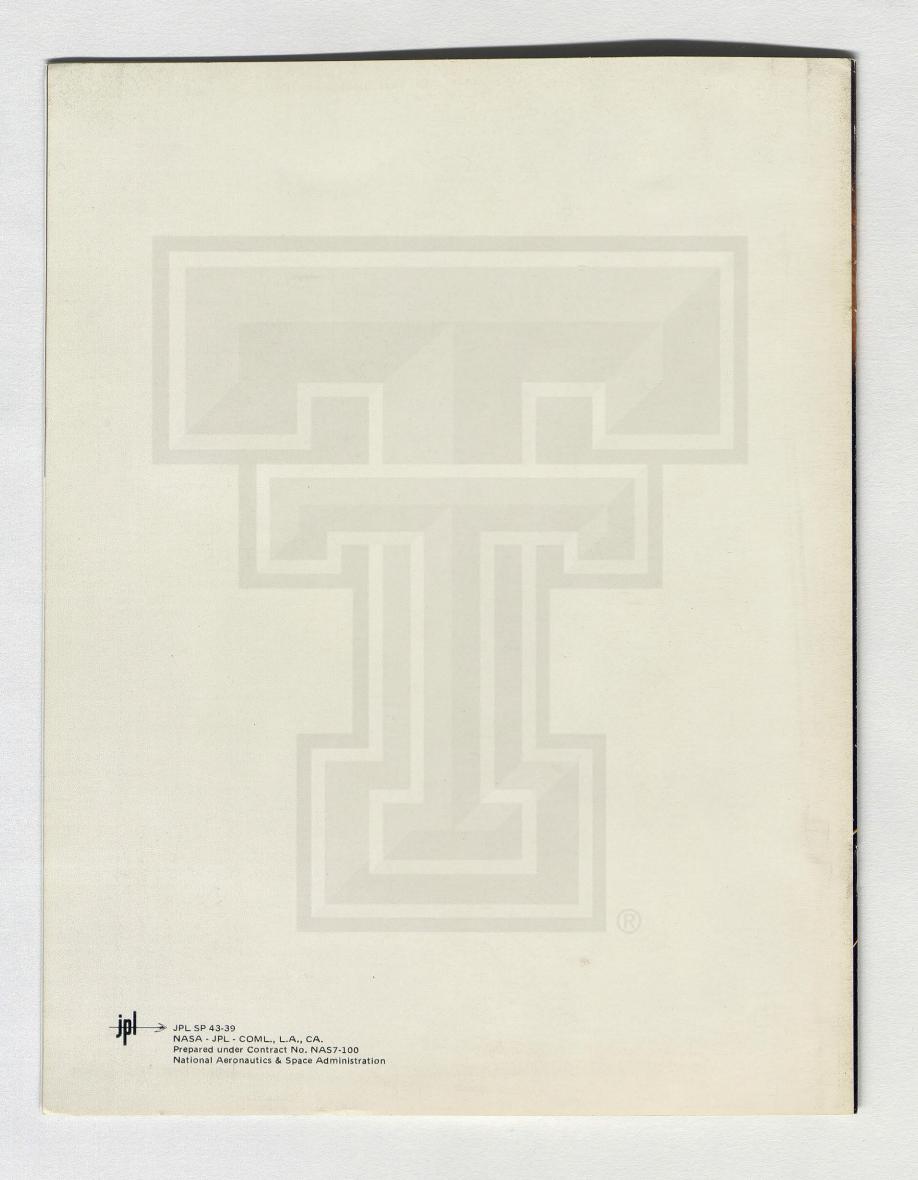
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If the option to journey on to Uranus is exercised, Voyager 2 will sail within range of Uranus in January 1986, more than four years after leaving Saturn.

Uranus is markedly different from Jupiter and Saturn. It is tilted so far on its axis that the poles lie almost in the plane of the ecliptic. Thus, in contrast to the other planets, Uranus lies on its side. It circles the Sun once in 84 years. Once in each orbit the Sun shines directly down on the north pole; 42 years later the south pole is lighted. In 1986, the orientation of Uranus will allow Voyager 2 to fly almost perpendicular to the equatorial and satellite plane. Voyager 2 will get a good look at any magnetosphere and plasma cloud that may be present, and could photograph the sunlit hemisphere of Uranus and all of its satellites. The spacecraft will also provide a first close observation of the newly discovered rings of Uranus. Voyager 2 would then sail out through the planet's wake, looking back at the dark southern hemisphere.

Years after launch, perhaps 30 times farther from the Sun than Earth is, their attitude control gas spent, the two Voyagers will be unable to respond to attitude correction commands from their Earth masters, and communications will fade and disappear as they drift out of range.

Their mission of discovery and exploration complete, the two craft will sail on forever.





JUN15 1961

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R. B. PHILLIPS CAPT MC USN MEDICAL OFFICER NAS NORTH ISLAND SAN DIEGO 35, CALIF.

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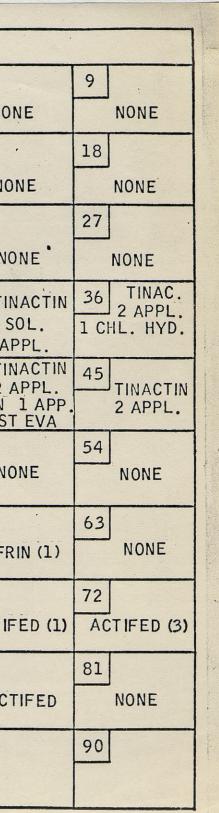
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UNCLAS EX1365-59 HQ ATTN W C SHNEIDER MG. INFO MSF EXPERIMENT BOARD EXECUTIVE SECRETARY. SUBJECT: EXPERIMENT M-4 GEMINI VII; REFERENCES ORLET EX2 8-3-65 AND URLET M-C MSGS 1352.2 6-14-65. A CHANGE IN SUIT CONFIGURATION FOR GEMINI VII ALLOWS USE OF A BIOMED CHANNEL FOR ONE CREW MEMBER FOR EXPERIMENT M-4. THE EXPERIMENT WILL FLY ONLY ON THE PILOT ON GEMINI VII AND IS NOT SCHEDULED FOR ANY OTHER GEMINI MISSIONS. NO CHANGE ON EXPERIMENT M-8. IN-FLIGHT SLEEP ANALYSIS IS REQUIRED OR PLANNED.

Apro.

SGD ROBERT O PILAND MANAGER EXPERIMENTS PROGRAM OFFICE

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TABLE 2

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HUMAN FACTORS SPECIFICATIONS

AMC P.I. 7-380	Human Factors Engineering Contract Clause
AMCR 10-4	Organizations and Functions, Mission and Functions, of Human Engineering Laboratories
WADC TR-56-488	Human Engineering Guide for Equipment Design
WDT 57-8A	Human Engineering Design Standards for Missile System Equipment
AFBM 60-1	Personnel Subsystem Testing for Ballistic Missiles and Space Systems
AFBSD 61-99	Human Engineering, General Specification for the Development of Air Force Ballistic Missile Systems
AMCR 70-1	Responsibilities of AMC Major Subordinate Commands and Project Managers in Application of Human Factors Engineering
AR 70-8	Human Factors and Nonmaterial Special Operations Research
AFSCM 80-3	Hanbook Instructions for Personnel Subsystem Designers
MSFC-STD-267	Human Engineering Design Standard for Space Vehicle Systems and Support Equipment
AFL 375-5	Planning and Programming for System Personnel
ABMA-STD-434	Weapon Systems Human Factors Engineering Criteria (U.S. Army Missile Command) (Lists 21 specifi- cations affecting Human Factors)
MIL-STD-803	Human Engineering Criteria for Aircraft, Missile and Space Systems Ground Support Equipment
ABMA-XPD-844	Weapon System Human Factor Design Criteria (Pershing)
SCL 1787	Human Factors Engineering for Signal Corps Systems and Equipment
MIS 10017	Human Factors Engineering Development of Missile Systems
OD 18413	Human Factors Design Standards for Fleet Ballistic Missile Weapons Systems

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Table 2 Cont.	
MIL-H-22174	Human Factors Data for Aircraft and Missile Systems
MIL-D-26207	Human Factors Data for Guided Weapon Systems
MIL-D-26239	Data, Qualitative and Quantitative Personnel Requirements Information
MIL-H-27894	Human Engineering Requirements for Aerospace Systems abd Equipment
AR-594-5-62-601	U.S. Government Regulatory Documents Applicable to Human Engineering (references over 100 documents on subject)
RH-398, IDEP Report #347.10.00.00-GI-01	Basic References and Sources of Information in Human Factors Engineering (references 434 documents on subject)
AFSCM 80-1	Handbook Instructions for Aircraft Designers
AFSCM 80-3	Handbook Instructions for Personnel Sub-System Designers
AFSCM 80-5	Handbook Instructions for Ground Equipment Designers
AFSCM 80-6	Handbook Instructions for Ground Support Equipment Designers
AFSCM 80-7	Handbook Instructions for Aerospace Vehicle Equipment
AFSCM 80-8	Handbook Instructions for Missile Engineers
AFSCM 80-9	Handbook Instructions for Weapon System Designer

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*W. B. Rossnagel, "A list of government specifications, standards, manuals, handbooks and notable reports - the area of reliability, quality assurances, maintainability, value engineering, safety, and human factors," Aerospace Division, Walter Kidde and Co., Inc., Belleville 9, N. J., Feb. 1, 1964. TABLE 3

SOME HUMAN ENGINEERING HANDBOOKS

- H. Wallace Sinaiko, ed., Selected Papers on Human Factors in the Design and Use of Control Systems, Dover Publications, Inc., New York, 1961.
- Paul Webb, ed., Bioastronautics Data Book, NASA SP-3006, Scientific and Technical Information Division, NASA, Washington, D. C., 1964
- B. F. Lomov, "Man and Technology (Outlines in Engineering Psychology)" USSR, 28 March 1963, (translation), JPRS:22, 300, OTS 64-21030, U.S. Department of Commerce, Office of Technical Services, Joint Publication, Research Service, Washington 25, D. C., 2nd printing, 7 Feb. 1964.
- Wesley E. Woodson and Donald W. Conover, Human Engineering Guide for Equipment Designers, 2nd ed., University of California Press, Berkeley, California, 1964.
- Ernest J. McCormick, Human Factors Engineering, 2nd ed., McGraw Hill Book Co., New York, 1964
- Edward Bennett, James Degan & Joseph Spiegel, eds., Human Factors in Technology, McGraw Hill Book Co., New York, 1963
- Clifford T. Morgan, Jesse S. Cook, III, Alphone Chaponis, & Max W. Lund, eds., Human Engineering Guide to Equipment Design, McGraw Hill Book Co., Inc., New York, 1963.
- Scientific Findings, Harcourt, Brace, and World, Inc., New York, 1964.

Lawrence J. Fogel, Biotechnology: Concepts and Applications, Prentice-Hall, Inc., Englewood Cliffs, N. J., 1963.

- i = Interest rate per interest period (month, year, etc.).
- n = Number of interest periods.
- P = Present sum of money, as in amount borrowed.
- S = Sum of money n interest periods from present date that is
 equivalent to P with interest rate i.
- R = End of period payment (monthly, yearly, etc.) in a uniform series continuing for the coming n periods, the entire series equivalent to P at interest rate i.

$$S = P(1+i)^{n}$$

$$P = S\left[\frac{1}{(1+i)^{n}}\right]$$

$$R = S\left[\frac{i}{(1+i)^{n}-1}\right]$$

$$R = P\left[\frac{i(1+i)^{n}}{(1+i)^{n}-1}\right]$$

$$S = R\left[\frac{(1+i)^{n}-1}{i}\right]$$

$$P = R\left[\frac{(1+i)^{n}-1}{i(1+i)^{n}}\right]$$

SAMPLE PROBLEM

Want to borrow \$5000., repaid in series of uniform payments, each month, at annual interest rate of 5.4% per annum. Repayment period to be 10 years. What is the monthly payment?

P=\$5000. i=5.4% per annum, or $\frac{5.4\%}{12}$ =0.0045 n=10x12=120

USE: R = P
$$\begin{bmatrix} i(1+i)^{n} \\ (1+i)^{n}-1 \end{bmatrix}$$

$$R = \$5000 \left[\frac{0.0045 (1.0045)^{120}}{(1.0045)^{120} - 1} \right]$$

take ln of 1.0045, and multiply by 120, take antiln to get 1.7139

$$R = \$5000 \boxed{\begin{array}{c} 0.0045 \ (1.7139)} \\ 0.7139 \end{array}}$$

R = \$54.01

Enrollment Contract

Art Center College of Design 5353 West Third Street, Los Angeles, California 900	20. Telephone (213) 938-5166
Mr. Miss Mrs. PLEASE PRINT PERMIT LAST PERMIT FIRST MIDDLE Date DOV 12 MIDDLE Date DOV 12 MIDDLE Permanent Home Address CS 29 SoftHOTCOD JED, Age 22	If applicable check below.
City DOLEAN State UCo. Zip 22/0 Phone 703- (WITH AREA CODE) Local Address 4467 W. 5TH 5T (YOUR RESIDENCE WHILE ATTENDING THIS COLLEGE IF KNOWN) City COS ADCLECCS California Zip 90020 Phone 2544-4313 (WITH AREA CODE)	P.L. 358 (G.I. Bill) P.L. 634 (War Orphans) P.L. 894 (Voc. Rehab.)
Single Married Number of Children Notes	A CONTRACTOR OF A CONTRACTOR O

Payable in advance

Budget payment plan

I hereby agree to pay to the Art Center College the	I hereby agree to pay the Art Center College the sum of \$
sum of $\frac{1}{100.00}$ covering the	in equal amounts of \$, beginning with the
full period of enrollment checked above. Said sum	first payment on or before and the
to be paid in advance, on or before time of entrance.	the term of enrollment.

The tuition rates are subject to change and the amount to be paid will be the tuition charges in effect as set by the Art Center College at the time of your admission. Should you by reason of any increase in tuition rates desire to withdraw from your enrollment contract, you may do so, and the Art Center College will return your deposit, if any.

Conditions on the reverse side are part of this contract which is binding for payment in full except as provided by the refund schedule.

Please sign (SIGNATURE OF STUDENT)	In	ogeo		NATURE OF GUA	RANTOR - IF STUDENT IS A P	MINOR)	
(DATE OF BIRTH)	S and	nin an	(AD)	DRESS OF GUARA	NTOR)	death a scalar	Casherd the
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Important

dents are admitted at the beginning of each of the three annual terms. When a student has enrolled, a place is reserved for him in every class he requires. If a student leaves College during a term, his place in all his classes cannot be taken by another.

The College operates on a trimester basis: New stu-

In the event of a student's discontinuance of attendance by absence, dismissal by the College, or withdrawal, the College makes the following adjustments based on the *total term tuition* whether payment is made in advance or on the budget plan:

Five weeks or more......No refund or credit

Attendance from

beginning of term

Retund of Advance Payment or

Credit on Budget Payment Plan

Refund Schedule

Refund Policy

	Student	
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Students are required to be on the campus during all regular school hours and attending required classes, unless engaged in pursuit of authorized research or location assignments off campus. Unauthorized absence or failure to follow through on authorized off-campus projects may result in dismissal. Auditing of classes is not permitted. Any student attending a class for which he has not been scheduled by the Program Director's Office is subject to dismissal from the College.

The continuation of a student upon the rolls of the College and the receipt by him of academic credit shall be subject to his general deportment and conduct. Unseemly personal conduct on or off the campus, or the engaging in activities on or off the campus, inimical to the reputation of the College or detrimental to the community in general, or to the interests of the reputation of the college or to the interests of the student body, may, in the sole discretion of the college, result in dismissal.

The Art Center College of Design, being a private institution, reserves the right to refuse admission or to cancel registration of any student whose conduct, attendance, attitude, or academic standing is, in its judgment, unsatisfactory, and to grant or withhold credits, certificates, degrees, or diplomas. The college further reserves the right to hold four or more samples of a student's work each semester for exhibition purposes.

Photographs of individuals and groups are often taken in Art Center College of Design. Your signature on the enrollment contract acknowledges your willingness to appear in such photographs and releases the Art Center College of Design from any liability resulting from the use of such photographs.

Art Center College of Design

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Se # .

Simplify Rebreathing Tech. for Card. Output

Data Compression

Limb Plethysmo. - Helix Gauge (Webb Assoc.) CO Meas. - New Front end for Mass Spec. or I.R. Techs. Improved O₂ Sensor

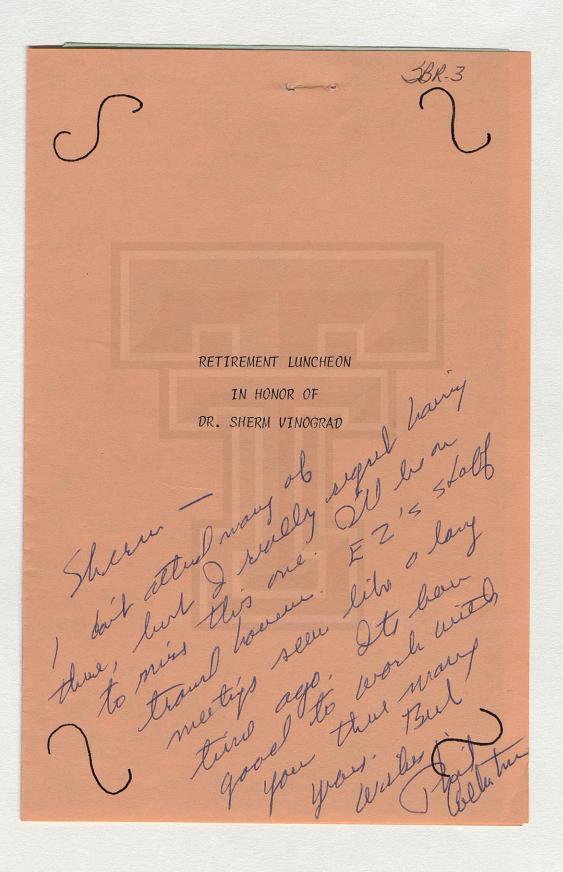
Vigilance Meas.

Karyotyping in Flight Pulm. Diffus. CAP. New Endocrine Techs. - Covered in part by GEMSEC Improved Blood Press. Card. Output by Radioisotope (RHISA)

RBC Fragil - New Tech. (Meas. Salt Conc.) Venous Press. - Central & Peripheral Electrophoresis in flight Improved Electrodes

Differential Pressure transducers

ETOH TBW Tech. Radio Immunodiffusion Tech.



Please join us in wishing Sherm Vinograd farewell

WHEN: Friday, April 27th

WHERE: La Strada Restaurant 2514 Jefferson Davis Highway (Route 1, one mile south of Crystal City)

TIME: 11:30

MENU - CHOICE OF -

Mannicotti Canneloni Lasagne Veal Parmigiana with Spaghetti Chicken Cacciatore with Spaghetti London Broil with two vegetables

All dinners include - rolls/butter, toss salad, coffee, tea

There will also be a CASH BAR

Cost: \$5.50 (includes tax & gratuity)

PLEASE SEE LISA WARDROP, FOB6, ROOM 5117 FOR CONTRIBUTIONS TOWARDS GIFT

R.S.V.P. AND MONEY NEEDED BY COB APRIL 25, 1979 PLEASE RESPOND TO LISA WARDROP 755-3723

tional Aeronautics and vace Administration	Routing Slip	
Mail Code	Name	Action
mail oode	Ivanie	Approval
C D D 2	Dr. Minograd	Call me
SBR-3	Dr. Vinograd	Concurrence
		File
		Information
		Investigate and Advise
		Note and Forward
Constant Lateral		Note and Return
		Per Request
		Per Phone Conversation
		Recommendation
		See me
		Signature
		Circulate and Destroy

58547
Date 4/19/79