

Solid-fueled Boosters To Compete With Liquid Fuel

FINEST QUALITY FOODS



At Old Fashioned Savings During Our County Fair Sale

Specials good Sept. 28-30, 1967. Prices plus tax where applicable. Right to limit reserved. (Copyright) The Kroger Co., 1967.

Texas and Villa Marie Rd. — Bryan, Texas

SAVE

PEPSI-COLA

19¢

10-Oz. Bottles
Limit 2 W/\$5.00 Purchase
Excluding Beer and Cigarettes



SAVE

MIRACLE WHIP

KRAFT SALAD DRESSING
CREAMY SMOOTH FOR YOUR SALADS.

28¢

QT. JAR

LIMIT 1, WITH \$5.00 OR MORE PURCHASE EXCLUDING BEER, AND CIGARETTES.

FRUIT FLAVORS
BORDEN'S SHERBET ½ GAL. CTN. **59¢**

SEVEN SEAS
FRENCH DRESSING 8-Oz. **22¢**

SAVE 10¢

WOLF PLAIN CHILI

NO. 2 CAN

59¢

COUNTRY OVEN CINNAMON, PLAIN & COMBINATION
DONUTS 2 1 Doz. Pkg. **49¢**

ALMA PINTO OR NAVY BEANS 300 CAN **10¢**

AUSTEX CHILI WITH BEANS 24 OZ. CAN **55¢**

AUSTEX TAMALES 24 OZ. CAN **39¢**

MAXWELL HOUSE COFFEE 2 LB. CAN **\$1.35** 1 LB. CAN **68¢**

LOW DISCOUNT PRICES!

Pruf Spray Starch 22 OZ. Size 49¢	HUNTS Tomato Sauce 8 OZ. CAN 10¢
Flour Kroger 5-Lb. Bag 39¢	Peaches Hunt's 2½ Can 25¢
Shortening Snowdrift 3-Lb. Can 69¢	Chunk Tuna Star-Kist 6½-Oz. Can 33¢
Velveeta Kraft 2-Lb. SIZE 79¢	Milk Kroger Evaporated 2 Tall Cans 29¢
Dog Food Pard 6 1-Lb. Cans 79¢	Milk Carnation Evaporated 2 Tall Cans 31¢
KANDU Bleach GAL. 39¢	ORE-IDA INSTANT Potatoes 2½ LB. CAN 89¢

Alma PINTO BEANS 300 Can **10¢**

ALMA TURNIP OR MUSTARD GREENS 300 CAN **10¢**

Puss N' Boots CAT FOOD 6½ OZ. CAN **10¢**

SEVEN SEAS CAESAR DRESSING 8 OZ. BTL. **29¢**

JENO CHEESE PIZZA REGULAR SIZE **29¢**

SAVE 20¢

GEISHA MANDARIN ORANGES

11 OZ. CANS

51¢

SAVE 10¢

BAKERS CHIP CHOCOLATE

6 OZ. PKG.

19¢

GEISHA SLICED PINEAPPLE 4 NO. 2 CANS **\$1**

WHITE CLOUD TISSUE 8 ROLLS **\$1**

TOSTEM POPUPS 2 - 8 Ct. Boxes **89¢**

FRESH ROMAINE, RED LEAF, BOSTON LETTUCE 3 HEADS **59¢**

FRESH BROCCOLI, CAULIFLOWER HEAD **39¢**

FRESH NEW CROP YAMS 3 LBS. **29¢**

SAVE 10¢

TABLETS BUFFERIN

100 CT. SIZE

83¢

FREE DISPENSER JERGENS LOTION 10 OZ. \$1.09 SIZE **67¢**

SUPER STAINLESS DOUBLE EDGE GILLETTE BLADES 5 CT. 79¢ VALUE **49¢**

LIQUID SHAMPOO PRELL 7 OZ. \$1.09 SIZE **67¢**

VITAMINS ONE-A-DAY 100 CT. \$2.94 SIZE **\$1.73**

IMPERIAL KING EDWARD CIGARS 5 PKG. **32¢**

SAVE 10¢

COUNTRY FAIR SALE MIX OR MATCH

EACH

5¢

- JONATHAN APPLES
- VALENCIA ORANGES
- RED RADISHES
- GREEN ONIONS
- GREEN PEPPERS
- CUCUMBERS

YOUR CHOICE

LADIES' DRIP-DRY-ALL COTTON
CORDANA DUSTERS

Solid colors, just right for early fall wear. Finely tailored.

\$1.87

WHY PAY MORE?

SIZES S-M-L

SAVE 10¢

MORTON FROZEN DINNERS

EACH

39¢

MORTON FROZEN FRUIT AND CREAM PIES 3 FOR **\$1**

MORTON FROZEN MEAT PIES 5 FOR **\$1**

SARA LEE FROZEN ROLLS 3 PKGS. **\$1**

VINE RIPENED TOMATOES 12 IN. PKG. **69¢**

LARGE SWEET BLACK RIBBIE GRAPES LB. **19¢**

U.S. NO. 1 RED POTATOES 15 LB. BAG **89¢**

LADIES' PERMANENT PRESS
TAILORED PAJAMAS

Stylish tailored pajama with notched collar. So delightfully comfy and never needs ironing.

\$1.99

COMPARE AT \$2.99

SIZES 32-38

DECORATOR CANDLE HOLDER 97¢ EACH

22 INCH DECORATIVE BOTTLE ASSORTMENT 88¢ EACH

Cinnamon ROLLS 9½ OZ. CAN **19¢**

Kroger BLACK PEPPER Ground 4-Oz. Tin **29¢**

How do you stop a firecracker in the middle of a bang? And start it again?

This is very nearly the problem that the designers of tomorrow's big solid-fueled rockets face as they seek ways to make their boosters competitive with the liquid-fueled models.

Today, liquid-fueled rockets have it over the solids in the manned spaceflight program. Although the solid-fueled Minuteman plays a defense role with its intercontinental capability, there are definite problems in rating them for manned flight.

Yet, NASA Administrator James Webb predicted here recently that competition between solids and liquids would again open up. And it is at A&M that a team of space researchers are studying the tiny structure of solid fuels in an attempt to determine their behavior and predict failures.

THE GROUP is headed by Dr. W. B. Ledbetter who believes that the methods of study developed may eventually determine not only why rockets blow up, but also why auto tires tear apart.

The group, including L. Dale Webb, formerly with Rocketdyne, and Davie Elliott, a Ph.D. candidate, has been stretching, squeezing, twisting, heating, aging and chilling solid fuel to see where the tiny cracks begin.

"A rocket with a crack in its fuel becomes a bomb," says researcher Webb.

Elliott was instrumental in developing a new device last year which can accurately stretch or compress materials while they are under a microscope.

"OUR PURPOSE had been to develop a microstructural apparatus and to learn whether other people's hypotheses were significant," says Ledbetter. The researchers have found some error in theory.

Composite rocket fuels are sort of a raisin pudding affair—with the rubber compound "binder" being the pudding and the oxidizing compound "filler" being the raisins. The A&M researchers know that the beginnings of failures more often occur at the points of contact between binder and filler.

SOLID FUELS will become more competitive with liquid fuels when some way is found to give them "start, stop, restart capability and throttleability," says Webb.

At present, the researchers point out, the retro-rockets used in the Mercury and Gemini manned spaceflight programs were solids and there's a whole family of small vector control rockets which are used to keep satellites facing one way.

Engineering Talk To Be Delivered By Rice Graduate

G. E. Nevill of Houston will be featured Wednesday (Oct. 4) in the first Engineering Lecture, a series inaugurated by the College of Engineering this fall, announced Dean Fred J. Benson.

A staff engineer for Cameron Iron Works, Nevill will address students, faculty and the public on "From Titusville to Cook Inlet—The Evolution of the Oil Well Drilling Industry and the Outlook for Engineering Responsibilities."

The 3:30 p.m. lecture will be in the Architecture Auditorium. The Engineering Lecture Series was set up to present industry, education and government representatives with addresses centered on engineering frontiers, industry, society and education.

Nevill has been in oil field drilling and production equipment design and manufacture most of the 39 years of his career. The Engineering Series speaker has been assistant chief engineer, forge and ordnance division chief engineer, standards engineer and quality control manager at Cameron since 1948.

The Registered Professional Engineer is a fellow of the American Society of Mechanical Engineers, chairing the ASME South Texas section and its petroleum division.

The 1928 Rice graduate and member of Tau Beta Pi served in the Southwest Pacific Theater with the Sixth Army Headquarters during World War II. He organized and commanded a reserve research and development unit and is a retired colonel, U. S. Corps of Engineers, USAR. Nevill's son, Gale Jr., is acting chairman of the Engineering Mechanics Department, University of Florida.