

Local Men Aid Efforts to Put Americans into Space

Four local residents who are employed by the Aerospace Corp. can smile with confidence at the success of the Titan II missile which placed an unmanned Gemini space vehicle into orbit around the earth last week.

Aerospace Corp. is responsible to the Air Force for the general systems engineering and technical direction of the Gemini-Titan II launch vehicles.

The four local residents are members of the Aerospace Corp. Gemini launch vehicle office. They are W. A. Germain of 3719 W. 225th St., M. C. Shrader of 5404 Carol Drive, L. E. Wood of 23400 Evalyn Ave., and S. Coughlan of 115 Via La Soledad.

THE GROUP works under the direction of Bernhard A. Hofmann in support of the National Aeronautics and Space Administration's Gemini manned space program.

Under the Aerospace Corp. contract, the firm is responsible for the overall development of the vehicle and launch complex for the integration and operation, and for analysis of subsystems and supervision of systems testing.

Aerospace Corp's experience with manned space flights began with Project Mercury. Most of the same engineers who contributed to the systems of the Mercury-Atlas complex are now at work on Project Gemini. The firm maintains an office at the Atlantic Missile Range in support of Project Gemini, with Newton A. Mas as manager of the office.

AFTER considerable study, Aerospace recommended the use of the basic Titan II engines for the Gemini project. A program is now underway at Aerojet-General and Aerospace Corp. which monitors the effort where in concerns Project Gemini.

Aerospace is responsible for the technical aspects of the Gemini-Titan II pilot safety program. The program involves four phases: quality assurance during production,

factory roll-out inspection, flight safety review at the launch site, and the malfunction detection system (MDS).

The MDS is designed to detect deviations from the normal launch conditions, particularly in the areas of thrust chamber pressure and angular velocity of the booster. Should irregularities exist, the MDS would immediately inform the two astronauts aboard the Gemini spacecraft. They could then decide if there is sufficient cause to terminate (abort) the mission.

THE COMPANY also has the responsibility for converting the Complex 19 launch area at Cape Kennedy, which has served as a launch complex for Titan I missiles, to a "manned" complex for the Gemini-Titan II vehicle.

The new complex provides for a mobile electrical checkout monitor which was built by the Martin Co. The unit is housed in two 20-foot trailers which are moved to the complex several days before a launch. Probes are connected to the equipment and more than 100 critical points are monitored.

Aerospace also has developed a new system that will provide an umbrella of water to cover the launch pad and immediate area should a malfunction cause the Gemini astronauts to eject themselves from the spacecraft. Water jets are strategically located to provide a cover to a height of five feet. Soaking the astronauts, the water will provide a continual decontamination process to protect them until the rescue squad arrives.

THE BASIC Titan erector (gantry) was extended to accommodate the larger Titan II vehicle. A "white room" was constructed atop the gantry to provide a conditioned, rain-proof environment for final assembly, mating, and check-out of the Gemini spacecraft.

Key systems were duplicated to provide a back-up capability in case of the failure of one system. The electrical power supply, the protective water

cover, and the nitrogen systems were all duplicated.

Aerospace Corp. will remain in the Gemini project until the entire study has been completed. Project Gemini is designed to place two men in orbit for three turns around the world by the end of this year. It is the second manned space program which this country has developed, all aimed at putting an American on the moon by 1970.

Enclose Check With Tax Form

Taxpayers who owe additional money when filing the 1963 federal income tax return should enclose a check or money order made payable to International Revenue Service, according to R. A. Riddell, district director.

Return and payment should be mailed to the Director of Internal Revenue, Los Angeles, California 90012, not later than April 15.

Though I am always in haste, I am never in a hurry.—John Wesley.

Carson, Narbonne Students Named Newest Award Winners

Four Narbonne High students and three Carson High seniors have been named winners in the semi-final competition for the Bank of America's annual achievement awards.

First place trophies were won by Donna F. Henry of Carson High and Ronald L. Hegge of Narbonne High. Both students will advance to the Los Angeles City Schools final competition May 6.

Miss Henry won the fine arts division, while Hegge won the liberal arts award.

Second place winners include Bonnie S. Newman of Carson High, vocational arts; Deni L. Wilson of Narbonne High, fine arts, and Linda Gilmore of Carson High, liberal arts.

Third place trophies were won by Gayle M. Rentmeister of Narbonne High in vocational arts and James E. Biller, also of Narbonne High, for science and mathematics.

First place winners will receive a minimum of \$150 in cash awards in the finals, and may win up to \$1,000. Second

Serra Student Wins USF Grant

Andrew J. Dzida, a senior at Serra High School, has been awarded a four-year scholarship at the University of San Francisco. The scholarship is valued at \$3,500.

Dzida, of 1554 W. 205th St., was one of 25 winners selected on the basis of competitive examinations given throughout California.

place winners received cash awards of \$50 each, while a \$25 award was given to each third place winner.

Moral Values Speech Topic At Navy Meet

William Teague, vice president of Pepperdine College, will discuss moral values of young people at the monthly Navy League meeting Thursday at the Plush Horse Restaurant.

Dinner will be served at 6:30 with the program following. Ladies are invited. Reservations are available by calling Arnold Cowan at FR 8-8477.

SPRING PRICE PLUNGE ON DRUGS

AT SAV-ON PRO Tooth Brushes

"Tatted" 3-row, nylon bristled brush in hard or medium texture. Colors. Reg. 89c **2:69c**

LISTERINE ANTISEPTIC

1 pint, 4-oz. Reg. 1.19 **88c**

SACCHARIN

Tablets by SQUIBB. Non-nutritive, artificial sweetener. FREE bottle of 100's with purchase of 1000's. 1/4 Brain Reg. 1.29 **1.19**

POLIDENT DENTURE CLEANSER

Cleans false teeth without brushing. 90c Size **69c**

CONGESTAID ROOM VAPORIZER

Instant medicated vapor for relief of congestion due to colds, hay fever. 5 oz. 1.19 Size **79c**

BUFFERIN Tablets

with Di-Alminate... for relief of headaches, muscle aches, and colds. 100 Tabs **88c**

ACTIN Extra Strength

COUGH MIXTURE - Stops heavy stubborn coughs caused by colds, bronchitis & flu. 3 1/2 oz. 90c Size **77c**

RINSE AWAY Concentrate

SHAMPOO - for positive control of dandruff... itchy scalp. 16 oz. 2.00 Size **1.33**

BRYLCREEM

for Smart Hair Grooming... Puts LIFE in Dry Hair. 5 oz. 90c King Size **59c**

BOYS' Athletic Supporters

Baner & Black - "Coach" or "Swimmer". Made to order for swimming and all types of light exercise. Boys' sizes. Reg. 1.00 **79c**

Folding Skirt Rack

Chrome finished. Strong metal clips, hold up to 5 skirts at one time. **59c**

HOLLYWOOD Shoe Polish

Choice of "Sani-White" or "Sani-Black". Self-shining liquid, non-toxic. 2 oz. **29c**

26" 3-Speed Bicycle

with Sturmey Archer Gear... Boys' model with red finish. Hand operated front & rear caliper brakes. **34.88**

SUN GLASSES

"Men's & Ladies'" - Assorted styles and colors to choose from. Ideal for driving, beach, etc. Reg. 2.98 **1.98..**

Stretch Socks

MEN'S - 77% Acrylic, 23% nylon. Rib design. Fits 10 to 14. Ass't colors. **66c**

Crew Socks

BOYS' - Cotton. White with color stripes. 7-10 1/2. **3:1.00**

LADIES' Anklets

Cotton with reinforced heel & toe. Triple roll. 7-11. **4:88c**

Athletic Socks

MEN'S - White. Rayon, cotton, wool & nylon blend. Sizes 9-13. **49c**

AD PRICES PREVAIL April 12th to April 15th Sunday through Wednesday

Beauty Salon "Perennia" CREME

Prolongs the look of youth by keeping skin supple and smooth thru reduction of moisture loss, the primary cause of aging skin. Use as an all-purpose cream, night cream or make-up base. Non-staining. Unconditionally guaranteed by Sav-on.

3.50 6.00

SAV-ON SELF-SERVICE DRUG STORES

OPEN 9 A.M. to 10 P.M. - 7 DAYS A WEEK
5020 W. 190th ST. TORRANCE

"Holiday" Ice Chest

by Thermos - Large 13 1/4 x 22 x 12 1/2" size. Plastic lined... tray, drain & bottle opener built-in on handle. **16.88**

Tape Recorder

"Mayfair" - 4-Transistor • Built-in Speaker • Plays Anywhere • Records and Plays Back • Complete - Ready to Record • Self-contained Case. Full reel of tape included. **12.88**

Automatic Tooth Brush

G.E. - Battery operated... four snap-in brushes in pastel colors included. Holder automatically recharges brush. **12.88**

TUSSY Deodorants

1/2 PRICE SALE!
• Cream • Stick • Roll-on **50c**
Reg. 1.00

MONEY SAVING CORNING WARE

Sauce Pan Reg. 6.50 **4.88**
3-Pc. Bowl Set "Mix Measure" 2 qt., 1 1/2 pt. and 1 cup size with graduated measure. Reg. 1.98 **1.66**

T-Shirts & Briefs

Famous Name Manufacturer... 100% combed cotton, full cut for comfort. Guaranteed machine washable. **Your Choice 66c**

SALVO

Detergent Tablets
Giant 48 oz. Size **79c**

KLEAR

Self-Polishing Floor Wax
Dries clear as glass - never yellows. **79c**

Spic 'n Span

Regular 1 lb. Size. **29c**
LAVA SOAP
Regular Size. **2:23c**

Acti-Dione

UPJOHN - Prevents and cures rose mildew. **5 oz. can 1.98**

GLASS WAX

SPRAY with AMMONIATED "Mighty Mist". No streaks. 14 oz. **59c**

JUBILEE

CLEAMER - Cleans and leaves a shining hard WAX finish. 14 oz. **59c**

Vacuum Bottle

"Holiday" by Thermos - Leak proof stopper. Green & white color. 6t. **1.39**

SIMILAC

Sterilized Modified Milk for use by infants. **5:1.00**

LIQUID Fertilizer

"THRIVE" - Fish Base
All-purpose plant food blended with deodorized fish. **ONE GALLON 1.39**

Obituaries

MARY A. McMAHON

Requiem mass for Mary Ann McMahon, 67, of 1620 Juniper St., was celebrated yesterday morning at Nativity Catholic Church. Rosary was said Friday evening at the Stone and Myers Mortuary Chapel.

Mrs. McMahon, a resident of Torrance for the past 14 years, died Thursday in Torrance. She was a member of the Catholic Daughters of America and of the Nativity Altar Society.

She is survived by her husband, Michael M.; a son, William D. Isaacson of Hayward, Calif.; a brother, C. J. Butler of Minnesota, and four grandchildren.

HELEN M. DYKZEUL

Requiem mass for Helen Marie Dykzeul, 75, of 1303 Beech St., will be celebrated at 10:30 tomorrow morning at Nativity Catholic Church. Rosary will be said tonight at 7:30 in the Stone and Myers Mortuary Chapel.

Mrs. Dykzeul, a resident of Torrance since 1914, died Thursday.

She is survived by two sons, Theodore of Rolling Hills and John H. of Laguna Beach; two daughters, Mrs. Marie Crotty of Torrance, and Agnes C. Stoodley of LaFayette, Calif.; three brothers, five sisters, and 11 grandchildren.

MARY A. SCHWARTZ

Requiem mass for Mary Agnes Schwartz, 86, of 2309 Andrea St., was celebrated Friday morning at Nativity Catholic Church. Rosary was said Thursday evening at the Stone and Myers Mortuary Chapel.

Mrs. Schwartz, a resident of Torrance for 41 years, died Tuesday in Torrance.

She is survived by her husband, George, of Torrance. Interment was in Holy Cross Cemetery.

JOHN H. FESS

Funeral services for John Henry Fess, 87, of 3955 Pestana Way, were held at the Stone and Myers Mortuary Chapel Wednesday with the Masonic Lodge officiating.

Mr. Fess, an employe of the Parks Department, died

in Livermore, Calif., April 4.

He had lived in Torrance since 1912.

He is survived by a son, Kenneth Fess of Torrance, and four sisters, all living in Canada.

Interment was in Roosevelt Memorial Park.

FLOYD E. CLARK

Funeral services for Floyd Ernest Clark, 80, of 2211 Gramercy Ave., were held Tuesday afternoon. Stone and Myers Mortuary was in charge of arrangements.

Mr. Clark was a member of the Marine Clerks Assn. No. 63 and had lived in Torrance for the past 70 years. He died Sunday in Torrance.

Mr. Clark is survived by his widow, Mabel, and a son, Clarence Clark of San Gabriel.

Entombment was in Green Hills Mausoleum.

HATTIE B. SHIPMAN

Funeral services for Hattie Belle Shipman, 71, of 527 W. Third St., Long Beach, were held Thursday at the Stone and Myers Mortuary Chapel. The Rev. Robert Dehn of the First Baptist Church officiated.

Mrs. Shipman died April 4 in Torrance.

She is survived by a brother, Elmer L. Seleck of Columbus, Ohio; a sister, Helen McConnell of Venice, Calif., and a sister-in-law of Costa Mesa.

Interment was in Roosevelt Memorial Park.

Income Tax Due To State 15th

Delinquency penalties will be levied on all state income tax returns filed after April 15, according to Alan Cranston, chairman of the Franchise Tax Board.

Returns should be addressed to the Franchise Tax Board, 1025 P Street, Sacramento, California 95814.

Partnership Tax Returns Required

Partnerships reporting on a calendar-year basis must file Federal returns of income on Form 1065 by April 15 for the calendar year 1963, according to R. A. Riddell, District of Internal Revenue for Los Angeles