

Special Apollo Stamp To Be Ready Tuesday

The U.S. Postage Stamp commemorating the historic Apollo 8 lunar orbit flight will be available at local post offices beginning Tuesday, according to the Post Office Departments.

The new 6-cent stamp depicts a scene similar to the famed "Earthrise" photo taken during the mission. It shows the gray surface of the moon in the foreground, the deep blue of outer space, and the lighter blue, cloud-covered Earth in the background.

In the center of the stamp is the phrase, "In the Beginning God . . ." the quote from the Book of Genesis spoken by Astronaut Bill Anders as the Apollo 8 spacecraft orbited the moon.

The stamp will be issued Monday in the first-day ceremony at Houston, Tex.

Employee stamp collectors may obtain first-day cancellations (a stamp that is cancelled on the day of issuance in the city where it is issued) by mail from the Postmaster, Houston, Tex., 77002.

A stamped envelope bearing the words, "First Day Cover Apollo 8 Stamp," should be mailed to the Postmaster at the Houston address, postmarked no later than May 5.

Inside the letter, employees
(Continued on Page 3, Column 1)

70 AF Officers Tour Division

Space Division was host last week to some 70 Air Force career officers especially selected by the Air Force Institute of Technology for the Education with Industry Program.

As part of this industrial planning and procurement training, the Air Force officers were briefed on techniques of how to manage major programs such as Apollo and Saturn.

See Photo Page Two

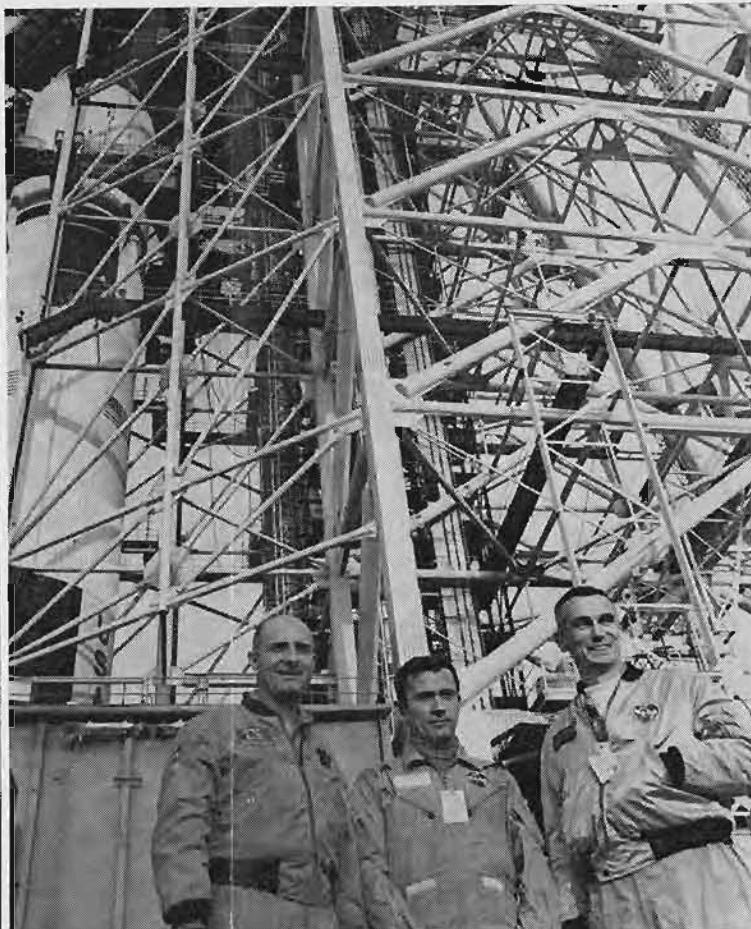
The visit here was part of a 10-months course which imparted industry viewpoints on matters ranging from research and development and advanced programs planning, as well as the administration of existing programs. The training for the 11 officers assigned to A&SG included visits to North American Rockwell Executive Offices, Autonetics, Rocketdyne, Columbus and the Los Angeles Division, in addition to tours of various NASA centers.

Also, as part of the Air Force Institute of Technology program, two officers, Maj. E. H. Seborg and Capt. Roosevelt Matthews Jr., have been assigned to the Space Division since September for training. The course will be concluded late next month.

Loh Elected Reviewer on ASME Publication

Dr. W. H. T. Loh, manager of Space Division's Flight Technology, has been elected to serve as a reviewer by the board of *Applied Mechanics Reviews*, a monthly journal published by the American Society of Mechanical Engineers.

The journal is devoted to the critical coverage of international literature in the field.



SHIP AND CREW—With the May 18 launch date little more than two weeks away, the Apollo 10 primary crew (left to right), commander Tom Stafford, command module pilot John Young, and lunar module pilot Gene Cernan visit Kennedy Space Center's Launch Complex 39B. Visible left through Mobile Service Structure girders is part of the Saturn V launch vehicle which will hurl them on an eight-day mission during which Stafford and Cernan plan to descend to within 10 miles of the lunar surface.

DIVISION TEAM FORMED TO ANSWER PROPOSAL REQUEST

A division team is being geared up to respond to a NASA request for proposal that will aid in defining the nation's manned Earth orbital program for the 1970s.

The program definition study will center on a manned space station and will include logistics vehicles, launch vehicles, experiments and experiment modules, said Dr. J. I. Dodds, division Space Station program manager.

Working with Dr. Dodds on the division proposal will be a 50 to 75-man team including Paul Burns as assistant program manager; Earl Cole, chief engineer, and Ash Tischler, assistant chief engineer. Heading various engineering areas will

be managers Chuck Gould, subsystems; Norm Blich, system integration, and Lou Walkover, design.

A major member of the division team will be GE's Space Division, said Dr. Dodds. The firm will be responsible for the experiments, experiment modules and the information management system.

The request for proposal was issued this week by NASA Headquarters and has a response deadline of June 9. Two parallel study contracts, each for approximately \$3 million, will be awarded with one being administered by NASA's Manned Spacecraft Center and the other by NASA's Marshall Space Flight Center.

Division Men Serve in Symposium

The Space Division participated heavily in the 15th National Symposium and Exhibition of the Society of Aerospace Materials and Process Engineers this week at the Los Angeles Statler-Hilton Hotel.

Division contributions included the chairing of two sessions, presentation of three papers and a display. Papers were given also by representatives of Autonetics, Rocketdyne and the Los Angeles Division.

Melvin E. Fields chaired a session devoted to "Unique Metal Alloys and Ceramic Materials." A workshop session which considered "Uses of Ma-

terials for Hydrospace Applications" was chaired by John Dieter.

R. A. Happe and A. J. Yeast presented a paper on "Fabrication Development of Metal Matrix Composites for Aerospace Structures."

"Boron-Epoxy Support Strut for Non-Integral Cryogenic Tankage," was discussed in a paper by Max Nadler, F. J. Darms and Stan Yoshino.

L. J. Korb took a comprehensive view of "Advanced Composite Material Application in Future Boosters."

The division display depicted plastics and bonding capabilities.

MAIL-HANDLING CARE ASKED

The Mailroom advises that a large volume of internal mail is being incorrectly addressed or packaged. The most common errors are in the use of internal envelopes for mail which cannot travel via the internal mail system and outdated or incomplete mail addresses.

"The only internal mail which can travel via an 'NR

Internal Mail' envelope or label is that which is directed to any Southern California location, Columbus and Tulsa Divisions, the West Virginia and McAlester plants, or those locations listed on page 221 of the Communications Directory," said Elaine Shirley, leadwoman.

"All mail directed to the Fort
(Continued on Page 2, Column 2)

SPACE DIVISION

Skywriter

NORTH AMERICAN ROCKWELL CORPORATION
VOL. XXIX, No. 18 (Aerospace and Systems Group) MAY 2, 1969

Apollo 10 To Simulate Lunar Landing Mission

Mission To 'Tie Together' the Knots of Past and Sort Out All the Unknowns

Apollo 10, scheduled for launch May 18, will play a big part in removing the "unknowns" of the lunar landing mission in July, spacecraft commander Tom Stafford said in a news conference at Cape Kennedy.

"What the Apollo 10 mission is going to do," commented Stafford, "is tie together all the knots that we have had in the past, sort out all the unknowns and actually pave the whole way for the lunar landing mission."

"We'll do everything exactly as the landing mission except for the final descent, landing on the surface and ascent into orbit," he added. "We are working with the Apollo 11 crew as a team, really."

A countdown demonstration test (CDDT), one of the final major checkouts leading to launch, is in progress this week on the Apollo 10 space vehicle at NASA's Kennedy Space Center.

The CDDT basically is a mission prelaunch countdown practice, without engine firings, that checks out combined launch vehicle-spacecraft systems and affected ground support equipment.

The key checkout is performed in two phases, a "wet" test in which fuels and propellants are loaded, and a "dry" CDDT after the propellants and
(Continued on Page 2, Column 1)

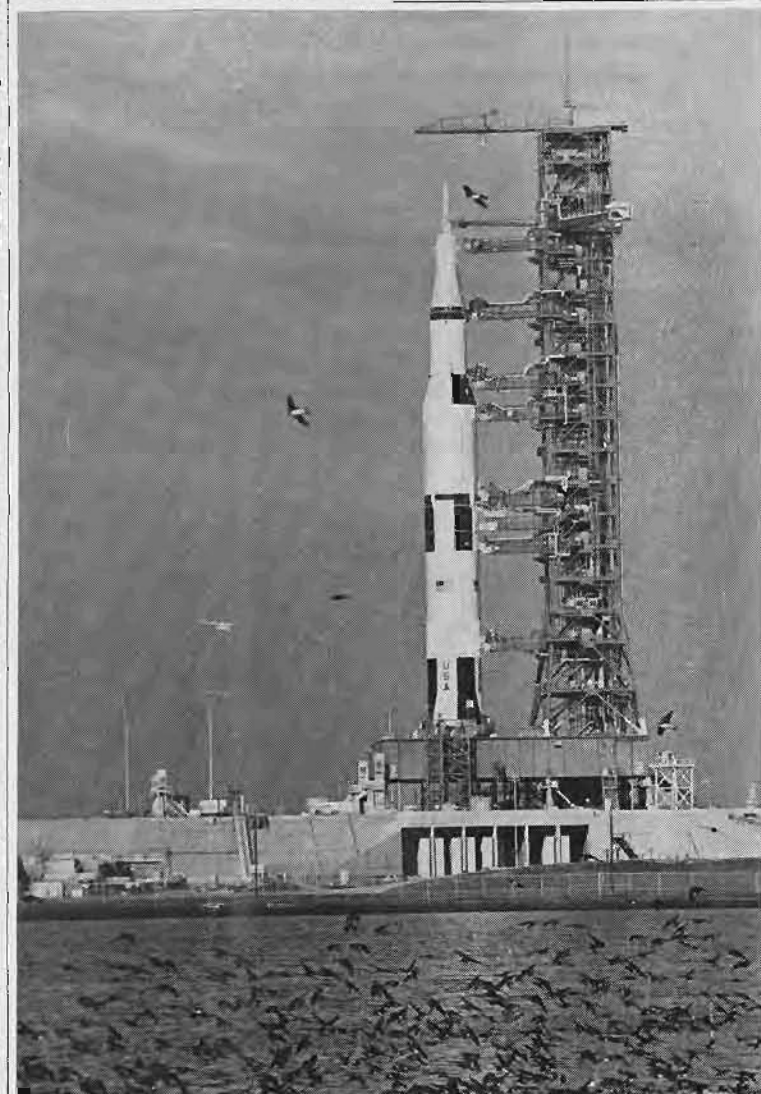
COLOR TV CAMERA MAY BE FLOWN ABOARD APOLLO 10

A color television camera system may be flown aboard Apollo 10, NASA officials at the Manned Spacecraft Center, announced.

Decision whether to fly the color system is expected to be announced by NASA next week. It is a question of whether the color system will be ready in time for the flight.

MSC Apollo Spacecraft Program Manager George M. Low said that the decision will be based on the quality of the televised picture and the availability of flight hardware. Since development time for the equipment is short, Low cautioned that there is a good possibility that it will not be installed in Apollo 10.

The color system uses a camera with an overall length, including lens, of about 18 inches. It is about four-and-a-half
(Continued on Page 2, Column 1)



ON THE WING—Birds from the wildlife preserve at Cape Kennedy swirl above waterway at Kennedy Space Center as another kind of "bird," the Apollo 10 Saturn V vehicle, stands poised on Launch Complex 39B, from which it will be launched May 18. This launch will be first use of the Spaceport's Launch Pad B.



AIR FORCE VISIT—Howard B. Cathers, vice president, Management Planning and Controls, briefed some 70 Air Force career officers in major program management techniques as part of Air Force Institute of Technology Education with Industry program.

Apollo 10 . . .

(Continued from Page 1, Column 4) fuels have been drained. The operation is then recycled for the start of the actual prelaunch countdown.

Stafford and Apollo 10 prime crewmen John Young and Gene Cernan, and backup crewmen Gordon Cooper, Donn Eisele and Ed Mitchell will take part in the "dry" CDDT.

Stafford, during the news conference, said that the Apollo command and service modules will be code-named Charlie Brown and the lunar module will be Snoopy for the eight-day lunar orbit mission.

During the 7½-hour Apollo 10 rendezvous sequence when Stafford and Cernan in Snoopy will be as far away as 350 miles from Charlie Brown, command module pilot Young will be prepared to maneuver in to rescue the LM, if necessary.

Apollo 10 is scheduled to spend more than 61 hours in lunar orbit, then will take just over 53 hours to return to Earth.

Lunar module pilot Cernan noted that there's been a change in food arrangements for the flight. Each Apollo 10 crewman will have a daily "wetpack" meal of beef, turkey or ham with potatoes. This newer-type food is much the same as was provided as the Christmas dinner for the Apollo 8 astronauts.

"There's something about eating with a spoon that automatically makes the food taste just a little bit better to me than sucking it out of a paper bag," commented Cernan.

Color TV . . .

(Continued from Page 1, Column 5) inches high and weighs about 12 lbs. Also included is a three-inch TV monitor which can be mounted atop the camera or positioned in the command module to enable the crew to view a black and white image of what they are transmitting.

If flown, the color system would be carried as an experiment in addition to the black and white TV system. The color equipment is not designed for use in the lunar module or on the lunar surface, it was added.

The color camera was designed and built by the Westinghouse Electric Corporation, Baltimore, using much of the same technology developed for the Westinghouse lunar TV camera—a black and white system. Cost of the color camera and its monitor is about \$40,000, NASA said.

Technology Utilization Award Goes to AMD for Second Time

For the second time in a row, Advanced Manufacturing Development has won the division's Technology Utilization "Outstanding Performance" Award.

Since the beginning of the TU program, this department has had 10 "innovations" published as tech briefs and one item included in a compilation.

Innovation Explained

An innovation is described as not necessarily an invention but, rather, simply a better way of getting necessary things accomplished.

Manufacturing tech briefs have ranged from a relatively simple adjustable knife for cut-

ting honeycomb to a more complicated system for remotely inspecting, measuring and recording irregularities in tubing.

To date, NASA has published 202 tech briefs originating from Technology Utilization items submitted by division personnel. When NASA publishes a tech brief, 17,000 copies are distributed to information dissemination centers throughout the United States.

Employees are encouraged to submit TU items.

Fire Guard

A lightweight plastic foam, derived from National Aeronautics and Space Administration research, shows great promise for industrial fire protection, particularly fuel fires.

SCIENCE SEMINARS SLATED

Following is a list of seminars to be held at the Science Center during the month of May.

Seminar: "OV-10 Development and Operational Experience," May 2, 10:30 a.m.

Seminar: "The Physical Metallurgy of Titanium Alloys," May 9, 10:30 a.m.

Colloquium: "Positive Solutions of Some Nonlinear Eigenvalue Problems," May 16, 10:30 a.m.

Seminar: "Review of Current and Projected Programs of the Lasers and Electro-optics Department, Autonetics R&E," May 23, 10:30 a.m.

Further information may be obtained by calling W. L. Kosiba, Ext. 253-2422.

Sandi Gross Places Third in Gym Tourney

Sandi Gross, 13-year-old daughter of Bob Gross of Saturn S-II Engineering, took third place in the junior division of the recent state gymnastics tournament.

A member of the Long Beach SCATS gymnastics club, Sandi has been competing for the past four years. Last year, she won second place in the state competition in the 12 and under age group.



SECOND TIME—Advanced Manufacturing Development has won the Technology Utilization monthly "Outstanding Performance" Award for the second time (February and March) in a row. Obviously pleased are (left to right) Bill Green, TU engineer; Lee Norwood, AMD supervisor, Norm Wilson, manager.

SCHEDULE REVISED FOR SALE OF COMPANY MERCHANDISE

A revised schedule went into effect this week for the sale of company items in the cafeterias at Downey and Seal Beach.

Merchandise will be available to employees from 11:30 a.m. to 1 p.m. in the Bldg. 1 area Cafeteria at Downey on Tuesday and Friday; from 11:30 to 1 p.m. in the Bldg. 2 Cafetorium on Wednesdays only; and from 11:30 a.m. to 1 p.m. in the Seal Beach Cafeteria on Thursdays only.

Items range from Apollo and Saturn S-II jewelry to cigarette lighters, models, and division-produced films.

Mail Handling . . .

(Continued from Page 1, Column 3) Monmouth Field Office in New Jersey, for example, must travel via the U.S. mail and utilize a U.S. mail envelope or mailing label.

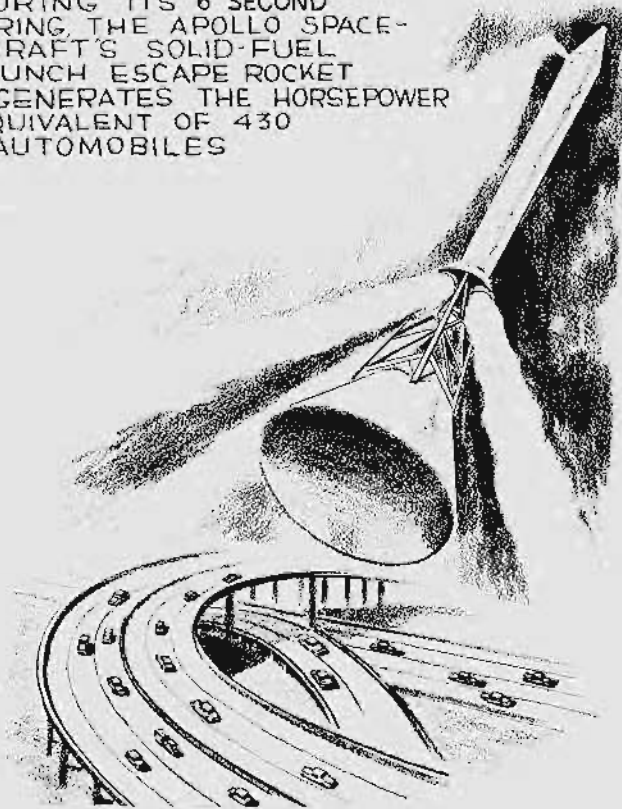
"The Los Angeles Division and Rocketdyne have both recently converted to mail code systems similar to ours," she said. "Therefore, mail to one of these divisions which shows an old mail address is undeliverable."

"Also, since divisions have similar mail codes, it is necessary that the division codes be entered on all mailing matter," Elaine suggested that all employees update mailing lists each time a new Communications Directory is issued and double-check all infrequently used addresses.

"Don't depend on your memory!" she emphasized. "All mailroom personnel will be happy to answer any questions." Space Division employees should call extension 5209 at the Downey Complex, extension 1044 at Ocean Systems Operations, or extension 3880 at Seal Beach.

HOW ABOUT THAT!

DURING ITS 6 SECOND FIRING, THE APOLLO SPACE-CRAFT'S SOLID-FUEL LAUNCH ESCAPE ROCKET GENERATES THE HORSEPOWER EQUIVALENT OF 430 AUTOMOBILES



39 Obtain MA Degrees Under Company Plan

Thirty-nine division employees recently have obtained masters degrees under the company Educational Reimbursement and Prepaid Advanced Degree Programs.

Specialties of the employees ranged from biology to business administration, law, management, accounting and commercial arts. Favorite school for those obtaining their advanced degrees was USC, with a total of 17 division graduates, while eight others obtained theirs from the California State Colleges.

Employees and specialties were:

Donald Perkins, biology; Ronald Denney, general management; William Daniel, electrical engineering; Robert Jimenez, industrial management; Jack Potts, aerospace engineering; W. Lloyd Walker, systems engineering; Ronald Hellings, physics and Edwin Pomeroy, business administration.

James McGrew, commercial arts; L. A. Glazier, law; J. J. Hernandez, systems engineering; S. H. Gray, civil engineering; D. B. Krimgold, electrical engineering; E. L. Whiffen, industrial engineering; W. L. Hill, business administration and R. W. Bohlen, business administration.

C. F. Rasmussen, electrical engineering; T. L. Flory, business administration; N. A. Steger, business management; A. R. Czerwony, business administration; L. L. Davis, business administration; W. M. DeFeo, civil engineering; A. M. Uzemek, business administration and D. Jelinek, engineering.

C. E. Abbe, business administration; V. S. Johnson, law; J. J. Carpin, business administration accounting; E. K. Meyer, mechanical engineering; M. A. Price, engineering; F. B. Cauchon, electrical engineering; G. R. Menefee, business administration and R. F. Schaefer, management science.

And W. C. Varner, business administration; T. L. Louie, electrical engineering; K. C. Dullea Jr., engineering; R. G. Mahan, management science; R. L. Smith, and D. X. Emerson, aerospace engineering.

Full information concerning company educational programs may be obtained by contacting Bob Flournoy, Educational Programs administrator in Manpower Development, at Downey Ext. 3141. Flournoy urged that employees interested in summer classes contact him as quickly as possible.

Division Men Lauded for YMCA Assistance

Six division men were members of the team credited with outstanding work in the successful, recently completed Downey YMCA 1969 Current Support Campaign.

Taking part were Bill Guier of Material; Bill Norman and John Bertrand of Apollo Logistics; Frank Scheel, Saturn S-II; Jim Ply, Quality and Reliability Assurance, and Ray Breaux of Research, Engineering and Test.

TECHNICAL PAPERS REQUIRE COMPANY AUTHORIZED RELEASE

Authors preparing technical papers are reminded that certain company procedures must be followed in obtaining properly authorized company release of abstracts and/or papers.

Most of the procedures center around a company form, the M-94-X. This form must be completed for the abstract as well as the paper itself.

The number of copies of the abstract and/or paper which must accompany the completed M-94-X varies with the type of clearance required.

For company clearance, two copies are sufficient. This clearance takes about a week after it reaches Public Relations, D/41-002, AA34.

When NASA clearance is

necessary, that is, when the work described stems from execution of a NASA contract, five copies and a minimum of 30 days is necessary.

In those cases where military and/or State Department clearance is necessary, nine copies and a minimum of 60 days is required.

Persons presenting technical information without having obtained beforehand a fully signed-off M-94-X do so without appropriate company authorization.

It is important that authors begin clearance procedures as soon as possible. Additional information concerning these procedures may be obtained from Public Relations, Exts. 6468, 5948.

Dr. Chang Finds Truth in Advice Presented by Fortune Cookie

Dr. Bansun Chang, a research scientist in Research, Engineering and Test, recently read the fortune cookie advice: "Prepare yourself for a surprise!"

Last Friday he unexpectedly met a classmate from China whom he had not seen since 1943.

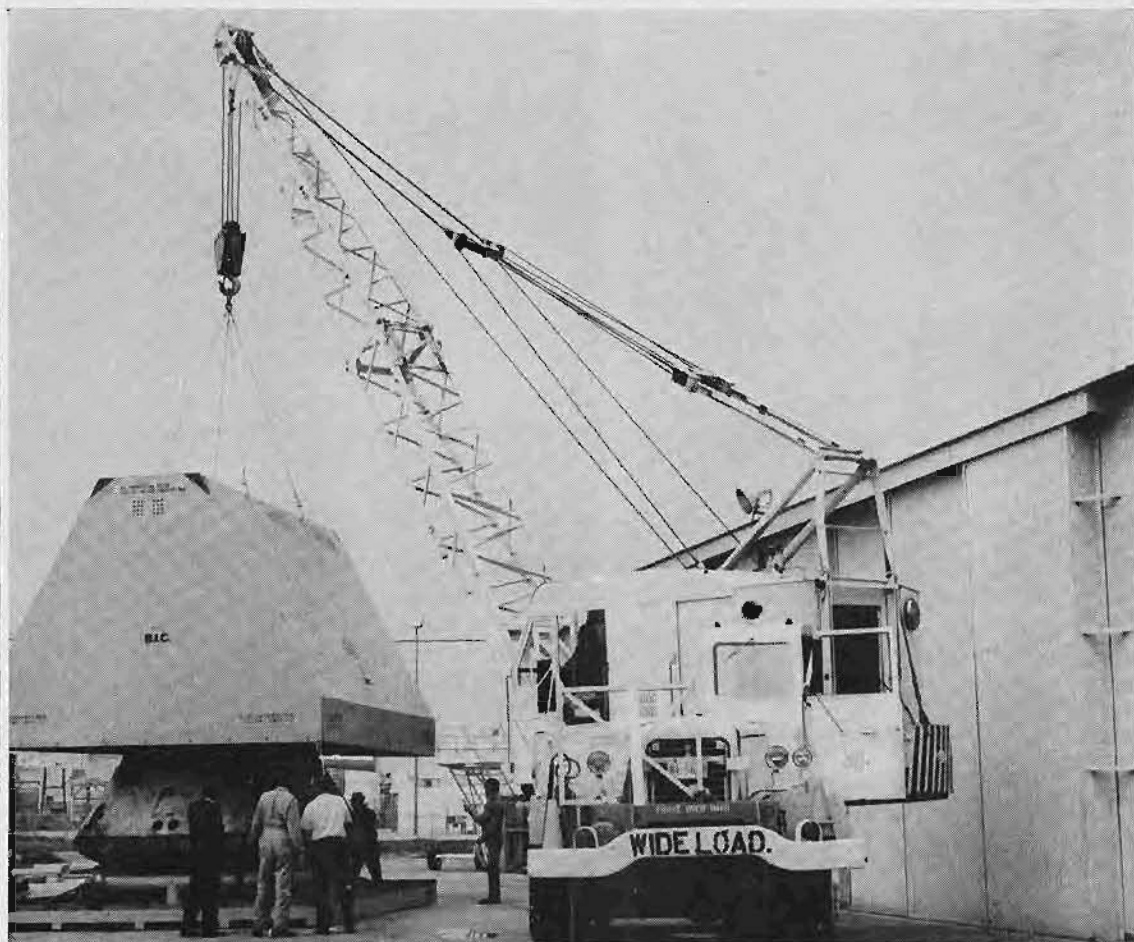
Apollo Stamp...

(Continued from Page 1, Column 1) should place sufficient remittance to cover the cost of the stamps requested, plus an unstamped self-addressed envelope. The employee will receive by return mail his envelope, bearing the cancelled Apollo stamp, or stamps.

His classmate, Alvin Peng, was touring the Space Division with officials of China Air Lines, which is based in Taiwan. Dr. Chang was informally invited to meet the group.

After introductions, it took only a few moments for recognition to solidify. The two had been engineering students together at National Central University on the mainland of China in 1943 and since had lost track of each other.

Dr. Chang received a BS in physics in 1942, his MS in mechanical engineering in 1944. Peng was graduated in 1943 with a BS degree in aeronautical engineering in 1943, and is now West Coast manager for China Air Lines.



PARIS-BOUND — Workmen lower top of shipping crate over Apollo 8 command module in preparation for shipment to Paris Air Show. Command module from history-making moon orbiting mission will be one of featured attractions of U.S. display which is themed "Countdown Apollo."

Speakers 'Tell it Like It Is' — to Over 100,000

America is getting the word on Apollo... lots of words.

Since Jan. 1, 1969, Space Division speakers have brought the story of "Apollo-Up to Date" to 366 organizations throughout the country. Groups have ranged from audiences of 45 to over 1,000 and have encompassed almost every type of service club, and high schools, colleges and professional and scientific societies.

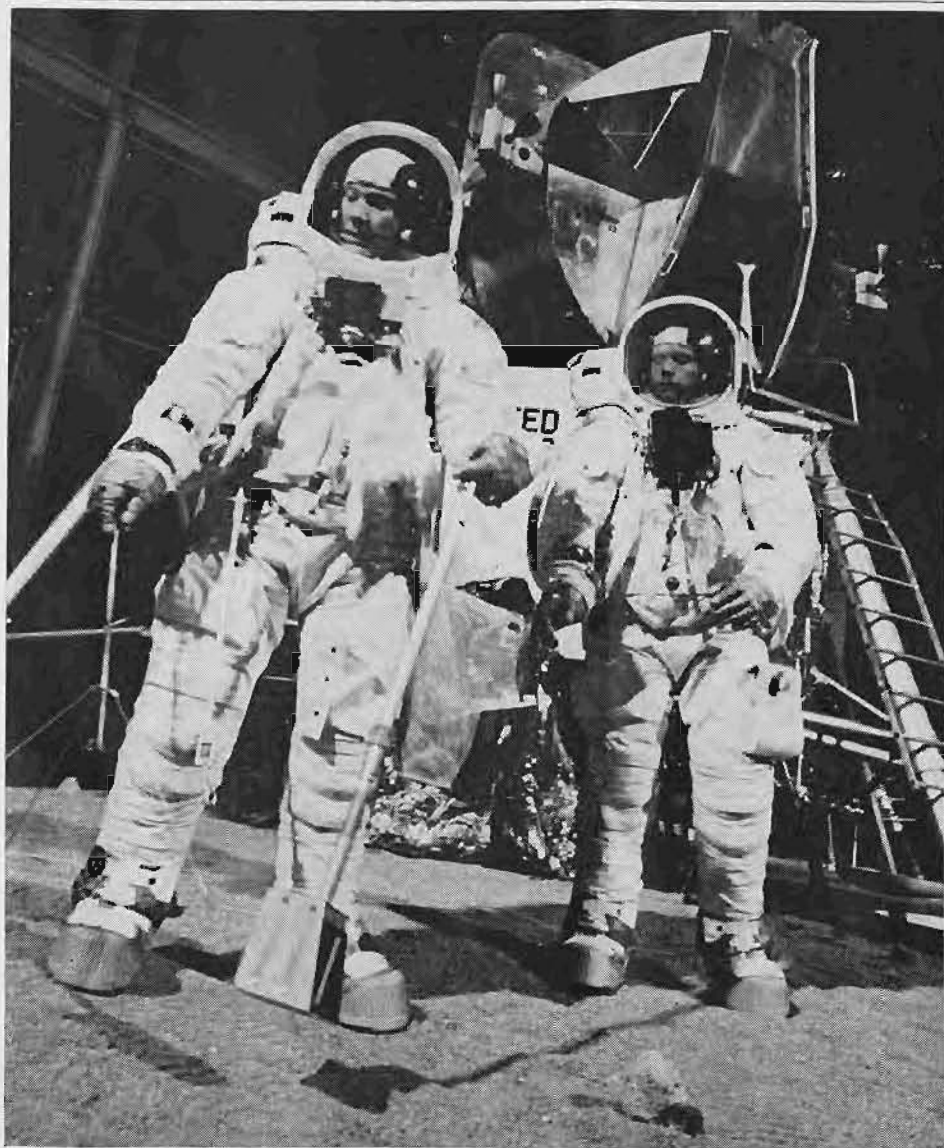
All of the presentations are

made by company personnel from the Downey, Seal Beach, Mississippi or Florida facilities of the Space Division and basically all tell the same story... the history of the Apollo and manned spacecraft program from inception up through the latest Apollo flight. The great majority of the presentations feature slides and films and last between 45 minutes to an hour.

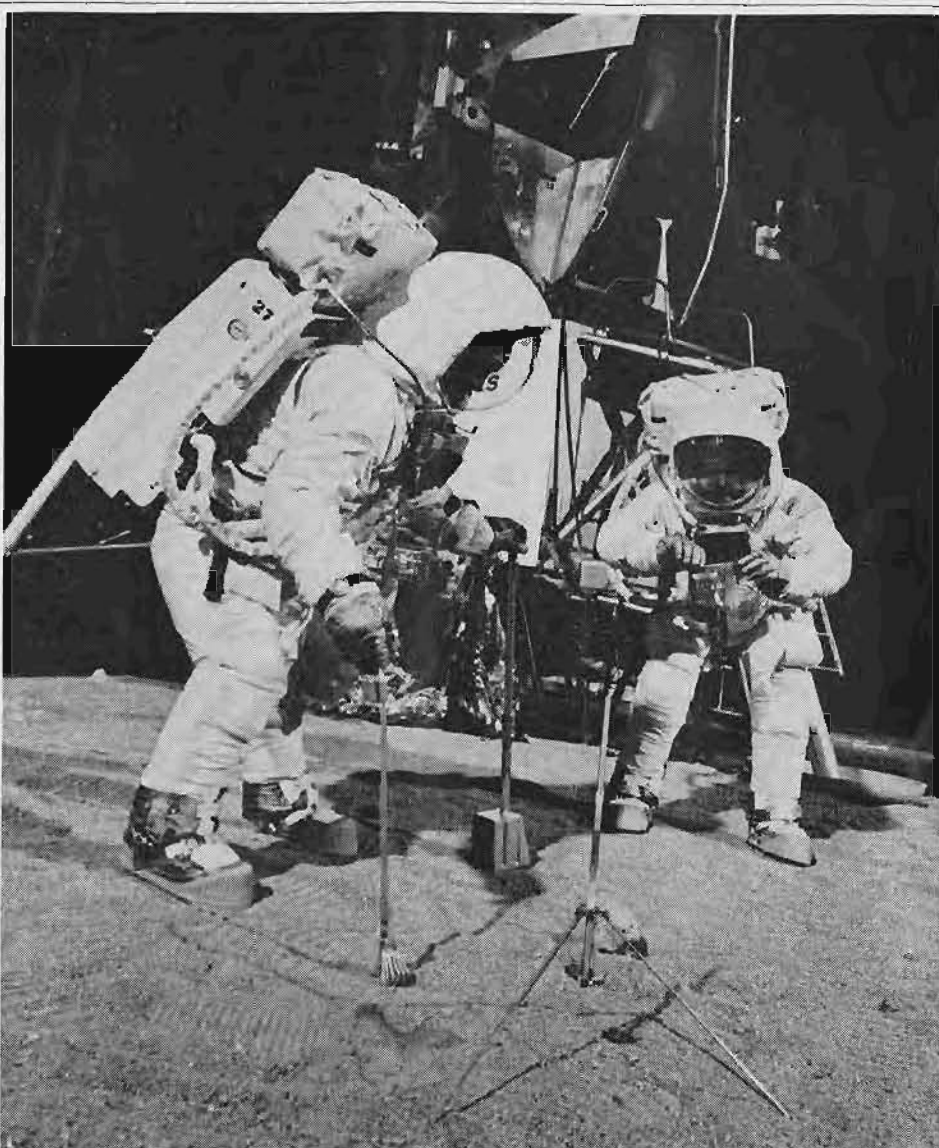
All of the speakers volunteer their time and, according to the

administrator of the Speaker's Bureau at Downey, it is safe to say that there is seldom a day in the month when some representative of the company is not telling the Apollo story, including Saturdays and Sundays.

Since the start of this year more than 100,000 in 19 states have heard the presentations... most of them well publicized by newspaper radio and television coverage.



MOON TRAINING — These realistic photographs taken at a lunar surface simulation facility at NASA's Manned Spacecraft Center, Houston, show two Apollo 11 crewmen as they may appear exploring the moon in July. Manipulating lunar surface tools is Apollo 11 lunar module pilot astronaut Edwin E. Aldrin (left), while spacecraft commander, astronaut Neil A. Armstrong, pre-



pares to assist. These are the two men scheduled to leave their footprints on the moon. Astronaut Armstrong has been designated as the first American who will descend the lunar module ladder and step onto the lunar surface. A mockup of the lunar module is in the background. Apollo 11 is to be launched July 16 from Kennedy Space Center. Meanwhile, Apollo 10 is slated for launch May 18.



DOWN UNDER — Ocean Systems Operations' Beaver Program Manager George Tuttle, left, checks blueprint of underwater mating capsule with Woody Treen, president of International Divers, John Di Freena, Facilities, and Ted Sonnaborn, Purchasing. Capsule was installed this week off Catalina Island.

Beaver IV's Underwater Mating Capsule Installed Off Catalina

A sea-floor underwater mating capsule—designed for extensive testing and training of the Beaver Mark IV's versatility in working below the ocean's surface — this week was installed off the coast of Catalina Island completing the construction phase of the program.

The 55-foot structure is anchored at a depth of approximately 182 feet. It is some 200 yards off Blue Cavern Point, just south of Fisherman's Cove — the Ocean Systems Operations' field site for the Beaver sea trials.

The underwater tower's capsule also includes a docking rail to enable the Beaver to work and move in a complete circle.

Inside the capsule is a 6 by

20-foot cylindrical work area, which will be utilized in dry-transferring personnel from the Beaver to the underwater habitat.

Later in the testing program, which is scheduled for this summer, manipulator arms on the Beaver will perform specialized oil field operations work at under water depths.

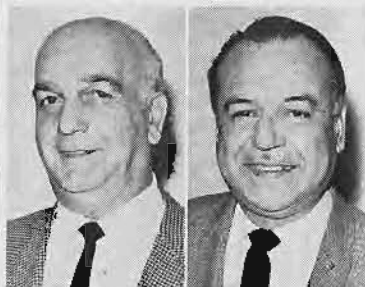
International Divers Inc. of Long Beach constructed the capsule and was responsible for the installation.

Unobstructed Work Area

The capsule is supported by six cables anchored to the sea-floor, giving the Beaver an unobstructed underwater work area.

George Tuttle, program manager for the Beaver, has over-all responsibility for the underwater mating capsule program while John DiFreena Jr., of Facilities, was in charge of the construction phase.

Service Pins 30-Years



Henry Abajian
Apollo CSM

Frank Cuevas Jr.
Saturn S-II



Duane Kellett
Apollo CSM

David Peery
Saturn S-II



Hans Weinert
Apollo CSM

25-Years



Mabel Brooks
Saturn S-II

William Dailey
REOT



J. C. Euliss
Administration

Tod Snelgrove
Apollo CSM

Spacecraft to Mars

The opportunity to send a spacecraft to Mars occurs only every 26 months, according to NASA.

Paper Presented on Halocarbons, Reactive Metals

A paper on safety problems associated with the use of halocarbons and reactive metals, co-authored by Space Division's Harry Moshenrose and Rocketdyne's G. D. Artz, was presented at the Aerospace Session of the Western Safety Congress.

Moshenrose, manager of the Laboratory Project Office, pointed out that company research into the chemical phenomena associated with these materials has resulted in the compilation of data and statistics of interest and concern to all types of industry. The information is of particular interest to those firms utilizing typical air frame structural materials, he added.



MEXICAN AMERICAN — Dr. Julian Nava, member, Los Angeles Board of Education, spoke on problems of Mexican Americans to division executive recently. Dr. Nava emphasized language difficulties of this minority group in English-oriented tests.

Classified Advertisements

FOR SALE

AUTOS

- '53 VW, SR, as is, \$150, 714/826-2707.
- '62 VW, 714/664-2284.
- '64 Corvair Monza, \$500, 714/645-6799.
- '56 T-Bird, F/P, 714/846-2301.
- '61 Ford Starliner, radio, UN 3-2493.
- '62 500XL Conv., Ford, 434-6276.
- '65 Ford Camper Truck, 869-1322, after 6 p.m.
- '66 MGB, 862-3396.
- '67 Pontiac Firebird, 528-0316.
- '68 Opel, 714/893-7694.
- '68 VW Bug, automatic trans. \$1,795. Russo (D), 342-7317.
- '68 Malibu, air, P/S, GA 6-4396.
- '51 Chevrolet, \$100, 714/827-9477.
- '59 Mercury Wagon, 923-7083.
- '58 Ford, \$95, 714/847-6379.
- '51 Ford, 598-3900.
- '57 MGA, wire wheels, \$110, 213/788-8730.
- '60 VW Bug, \$275, ME 4-4380.
- '56 VW, R/H, \$350, 596-0645.
- Bus Camper, \$1000/best offer, 714/276-2034.
- '55 P/U & Cr., \$500, 531-0557.
- '57 Porsche, \$100, 861-4586.
- '57 VW, r/h, \$300, 596-0645.
- '62 Buick Invisia AC, 865-6381.
- '67 Volvo, P1800, Air, \$2,895, 714/549-3644.
- '63 Olds, Air, p/brakes, GR 2-0667.
- '62 Healey, Mark II 3000, Mk. Offer, 714/675-3180.
- '64 Bonneville, Air/Pwer., 4/D, \$1,000, 714/871-9781.
- '61 Rambler American, \$150, 213/430-6865.
- '63 Rambler Wagn. \$757, 714/846-2553.
- '66 Cont., 2 dr., 421-1640.
- '60 Dodge (9) pass. wagn., 714/871-9631.
- '61 Chev. 348, Nomad wagon, \$600, 637-1979.

MOTORCYCLES

- '63 305cc Honda, \$375, NE 5-4702.
- Honda S-90, 421-2935.
- '66 Superhawk 305cc Honda, 863-9856.
- '66 TR6 650cc Triumph, 869-7463, aft. 5.
- Honda S-90 Street Bike, 421-2935.
- '64 Honda Dream 300, 847-6379.
- '66 Triumph TR6 650cc, 869-7463.
- 50cc Cycle w/carrier, \$150, 923-4148.

BOATS

- Ski Boat, 75 hp, Motor/trailer, TO 9-6629.

FOR SALE

BOATS

- 17' All glass inboard, 376-8153.
- 25' Owens L.B. Marina, 431-0559.
- 14' Omega Sailboat/trlr., \$300, 714/675-3180.
- 20' Trojan, 75 hp. Evinrude, 714/534-4072.

HOMES

- 3 bd., 2 ba., Paramt. Area, \$17,500, 714/536-8569.
- 3 bd., patio, dbl. garage, \$22,950, 714/549-0495.
- 3 bd., 4 mi. from S/B Fac., 714/842-1336.
- 3 bd., Bixby Knolls, 424-7530.
- 3 bd., 2 ba. 40' patio, 714/533-4674.

FURNITURE

- Dbl. Canopy Bed, Girls, \$15, 377-4183.
- Upright Piano, \$125, 714/536-8569.

APPLIANCES

- 14 cu. ft. Kelvinator Refrig., 714/871-6168.

PETS

- Tropical Fish, 213/596-6698.
- Filly 3 yr. w/saddle, 923-5198.
- Toy Poodles, M & F, AKC, 714/842-6254.
- Beagle, Male, AKC, all shots, 714/897-8540.

MISCELLANEOUS

- 8' Calover Camper, \$395, 531-5042.
- Schwinn 3-spd. Girls Bike, 714/547-8116.
- Stingray Boys Bike \$20, 714/547-8116.
- Butane Heater, Thermx 309, 213/634-6797.
- 14 cu. ft. upright freezer, 714/871-6168.
- 18" Reel Power Lawn Mower, 714/871-6168.
- Stereo, 4 speed, portable, Admiral, \$40.00, HA 9-2256.
- Sekonic 8 mm Turrent Camera/Proj., 714/879-8554.
- Houses for apartments, 213/921-3479.
- Golf Irons set, \$30, 714/897-6072.
- Wedding Dress, 7/8, Peau de Soie, 869-0194.
- 9' Kahanamoku Surfboard, 962-4139.
- 1 1/2" Flex conduit, 17', \$2.50, 695-0380.
- Aquarium, Complete, \$10, 535-0511.
- 35mm Pentax w/3 lenses, 421-2935.
- Johnson Outboard Motor, 632-6940.
- Enclosed Luggage Trailer, 4 x 6, 833-7118.
- Semi-pro Tape Recorder, TO 1-4022.
- Sting-Ray Bike, Boys \$10, 370-5136.
- Scalloped Rocks f/flower beds, 596-0643.
- Camera, 35mm Pentax w/3 lenses, 421-2935.

FOR SALE

MISCELLANEOUS

- Rear Fenders for 67 VW, 633-4112.
- Outboard Motor, 5 h.p., \$75, 535-0531.
- Power Mower, \$15, 714/639-1601.
- Camera, Praktika 4B, SLR \$40, 523-1942.
- Typewriter, Royal Stand, \$45, 213/391-1272.
- Hallierafter Receiver, CR3000, \$170, 535-0511.
- Engine, 96 Cid Volvo, 714/839-0360.
- '68-68 Colliers Encyclopedia, 714/826-1396.
- Excegergie, \$25, 864-7212.
- '62 Chev. Body & parts, \$150, 531-0077.
- Guitar, 6 string, \$10, 837-2358.
- '64 Chevy F.I. Heads, \$75, UN 4-4858.
- Bike, Stingray, boy's 3 spd., \$30, 213/944-6963.
- Bike, girls, training wheels, \$7. TE 1-2077.
- AC45 spark plugs, "8" \$4, 213/865-0016.
- Irons, matched 2-9, \$30, 714/897-6072.
- Iron-Rite ironer, \$140, 213/645-2251.
- Clothes, Sizes 6-9, 925-8044.
- 4 Track Car Stereo, Craig, \$45, OX 9-0306.
- HTHKT AR-2 Stereo/Spkrs., \$50, 866-4463.
- Stereo Changer, Garrard, 867-0892.
- Helmet, Motorcycling w/Bubble, 714/871-1087.
- Lawn Mower, 18" King "O", 564-8583.
- Box Trailer 4x8 \$20, 691-7202.
- 13' Vac. Trailer \$495, 897-1680.
- Pool Table \$75, 925-3091.
- Bike, Girls, 26" \$7.50, 714/521-5599.
- Eureka Rug Shampooer, \$20, 925-3091.
- Organ, reed, single keyboard, FR 4-7171.
- '67 Card trailer, 17', \$1,800, 213/426-1550.

FOR RENT

- Motorhome Camper, Deluxe, 213/596-5269.
- Big Bear Cabin, sleeps 7, 213/598-4144.
- 2 bd. Duplex, \$135, 213/598-4144.
- Bass Lake Cottage, 869-4297.
- 2 bd. Duplex, \$135, 213/336-6023, aft. 5:30, 336-6023.
- 3 bd., Lakewood, 867-4916.
- Townhouse, 3 bd., 2 ba., 213/941-0141.
- Bachelors to share house w/pool, 593-3113.
- Big Bear Cabin, \$15/day, 430-3066.
- 2 bdr. den, master apt. 862-5968.
- 3 bdr. patio, Lakewood, 714/549-0495.

RISE OFFERED/WANTED

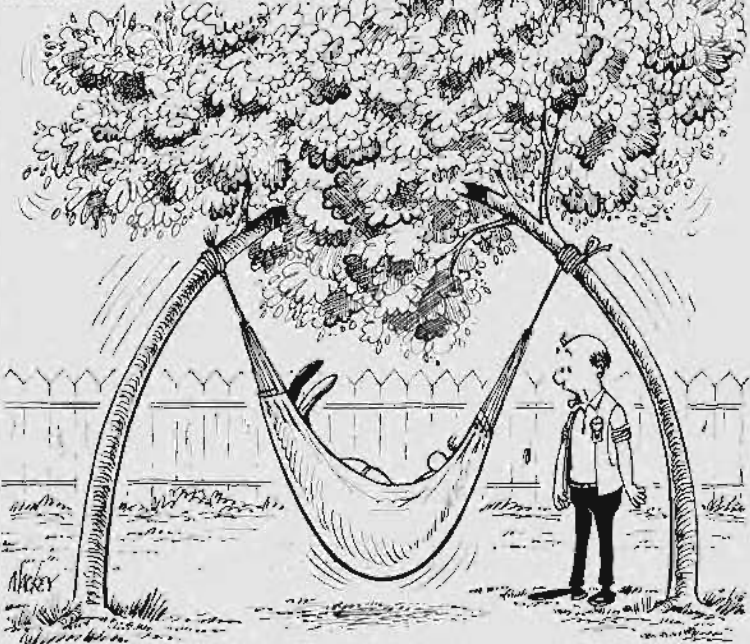
- Magnolia & Talbert, 7:30-4 S/B, 962-4139.
- Magnolia & Talbert 7:30-4, S/B, 962-4139.

FOR SALE

MISCELLANEOUS

- '68 Dodge Camper, 714/892-9834.
- Trailer, camping, 213/439-6996.
- Trailer, travel, 213/UN 3-2563.
- Trailer, teardrop, \$150, 714/391-4221.
- '62 Green Briar, \$600, 379-3638.
- Stereo tape deck, "2400," \$75, ME 0-5412.
- Babysitting, 4 blks. from NAR, 213/923-1629.
- Patio blocks, 18" x 24", 213/535-7596.
- Office desk, \$100, 714-537-7458.
- Record Collection, 1939-1945, 78 rpm, 714/535-5874.
- Guitar, 6-String, \$10, 714/837-2378.
- Fiat Engine, rebuilt, \$20, 714/871-7379.
- Tires, 4 used, 855 x 14 W/W \$80, 714/826-5049.
- Mags, 2 US, 15" x 8 1/2" \$50, 714/521-2055.

Mick O'Mach & Buster



"Good grief, Buster! You've got to lose weight!"