

Five Manned Apollo Flights Scheduled This Year

After sharing in the making of history in 1968, Space Division employees are looking forward to taking part in one of mankind's most epoch-making events in 1969.

The immensely successful flight of Apollo 8 marked the first time man had left the confines of Earth and his first journey to the environment of another space body. Five more manned Apollo flights are planned in the next 12 months, one of which is scheduled to culminate in the landing of the first U. S. astronauts on the lunar surface.

NASA already has announced plans for the initial two flights, Apollo 9 and Apollo 10. Apollo 9 will be the first manned Earth-orbital test of the lunar module with the command and service modules, and will include the first extra-vehicular activities in the Apollo program.

Apollo 10 will be an almost full-scale rehearsal for the lunar landing, with the Saturn V powering the Apollo command, service, and lunar modules into orbit about the moon. The lunar module, with two astronauts aboard, then will separate and venture to

within 50,000 feet of the moon's surface before returning the crewmen to the awaiting command and service modules for the trip back to Earth.

The success of these two missions will play a major role in the planning for Apollo 11, which could be the moon-landing flight. At the present, Apollo 11 is scheduled for lift-off in the July-August time period.

The division-built Apollo Spacecraft 104 and the four S-II flight stage already are mated in the Apollo 9 vehicle, which is undergoing prelaunch checkout on the pad at NASA's Kennedy Space Center. Spacecraft 106 and the S-II-5 stage are at the Cape being readied for the Apollo 10 vehicle.

Spacecraft 107, scheduled for use in the Apollo 11 flight, will be delivered to KSC next week, and the S-II-6 stage has been shipped to the Cape from NASA's Mississippi Test Facility.

While 1969 holds the promise of being the most exciting year in the division's history, it will be the most challenging, says President William Bergen:

"Our primary goal in 1969, and throughout Project Apollo, will be to continue meeting our performance, schedule, and cost objectives on the Apollo spacecraft and Saturn S-II programs. This is essential not only to meet our commitments and responsibilities, but to show that we have the capabilities to compete for new business.

"Competition for available space contracts, which has always been intense, has become fierce. NASA funding has been severely reduced due to competing demands on the Federal budget.

"As a result, where we have been accustomed to dealing with one customer on two major programs, during this year we will begin an adjustment to dealing with various customers on many smaller-scope, shorter-duration programs, each with a different mission, orientation, and management concept.

"Only the fittest will survive in these times. The Space Division not only intends to survive but to continue its leading position in the aerospace industry with increases in capabilities, growth, and scope."

(Continued on Page 3, Column 3)

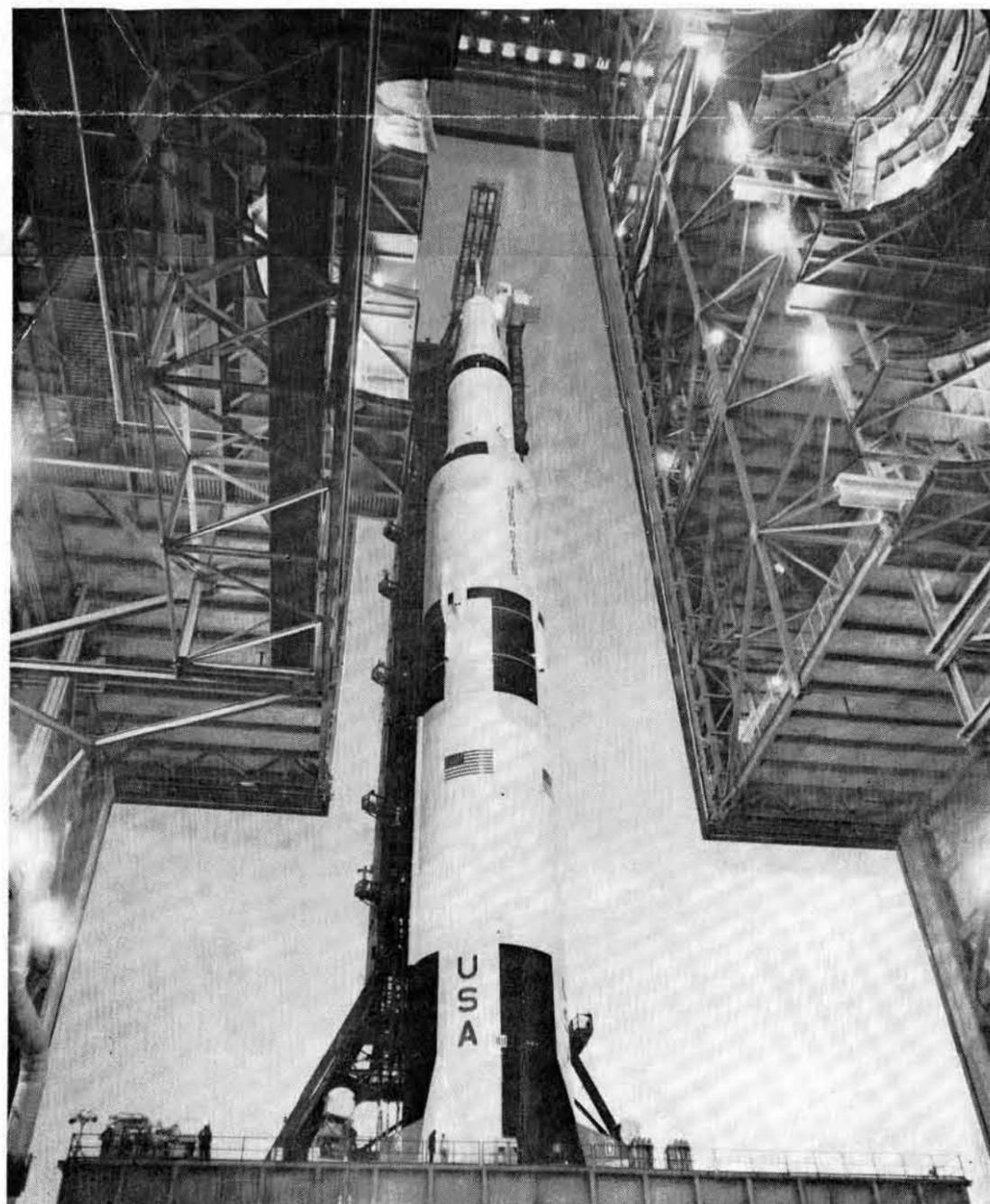
SPACE DIVISION

Skywriter

VOL. XXIX, No. 2

NORTH AMERICAN ROCKWELL CORPORATION
(Aerospace and Systems Group)

JANUARY 10, 1969



APOLLO 9 ROLLOUT — Thirty-six-story-tall Apollo 9 space vehicle rolls out of Vertical Assembly Bldg. at NASA's Kennedy Space Center en route to launch pad where it will complete extensive pre-lift-off checkout. The 12,000,000-pound vehicle traveled to pad at average speed of one-half mile an hour. Apollo 9 will be manned by astronauts Jim McDivitt, Dave Scott and Russell Schweickart in Earth-orbital mission that will mark first manned flight of lunar module.

Apollo 9 Ready on Pad for Next Manned Flight

Spacecraft 104 Will Carry Astronauts on Feb. 28 Lunar Module Test Mission

The giant Apollo/Saturn V vehicle for the third manned Apollo flight is on the launch pad at NASA's Kennedy Space Center going through the initial phase of an extensive pre-launch checkout.

The vehicle, Apollo 9, is being prepared for a planned Feb. 28 lift-off. Capped by the division-built Apollo Spacecraft 104 and including the fourth Saturn S-II flight stage, it was rolled out to the pad last Friday.

(Continued on Page 2, Column 1)

ASTRONAUT NOTES 'DEBT OF GRATITUDE' TO SPACE WORKERS

The "special debt of gratitude" owed America's scientists, engineers, and particularly its workmen, by the crew of Apollo 8, for their contribution to the highly successful moon-orbiting mission, was expressed Thursday by astronaut Frank Borman before a joint session of Congress.

Commenting on the success of the mission, Borman emphasized, "I think it is also appropriate to recognize the peculiar American contribution to our flight.

"Certainly the efforts of the scientists, the engineers, both in the government and in private industry, were immeasurable.

"And the American workmen who transformed the formulas, the equations, the thoughts, into hardware — hardware that to us was really a living, breathing, magnificent piece of machinery — to the American workmen we owe a special debt of gratitude."

OSO Returns to Space Division; 200 Affected

Ocean Systems Operations, transferred from this division to Autonetics in May, 1966, has re-joined the Space Division, thus adding the chartered responsibility for "inner space" as well as "outer space." Some 200 employees changed badges.

The development of new undersea technology, systems and hardware is the aim of OSO, which is the center of oceanographic activity for North American Rockwell.

In general, primary areas of interest include marine resources and systems to support offshore development; Beaver workboat submersibles and other vehicles, both manned and unmanned, and deep ocean technology. There are both military and commercial applications.

E. H. Manuel, vice president and OSO general manager, said, "I think there will be real benefits to Ocean Systems Operations in the Space Division's depth of talent and experience in building life support systems and vehicles which protect man from hostile environments and permit him to perform efficiently his assigned tasks. I believe that

(Continued on Page 2, Column 5)



SNOOPY AWARDS — Astronaut Dave Scott presents "Snoopy" lapel pins to four members of the Flight Simulation Laboratory. From left are: J. P. McNamara, executive vice president; Scott, Lindy Ikegami, Bob Tolley, Dick Hoskins, Bob Schoen. Scott is a member of the Apollo 9 crew.

HIGH SCHOOL SENIORS TO COMPETE FOR SCHOLARSHIPS

Management Association President Bill Binder has announced the 20th annual Los Angeles Area Management Association scholarship competition.

Work of the Association Scholarship Committee will be directed by Chairman Dick Hoppe, Valley Chapter; Bob Panian, LaPalma Chapter, and Frank Rizzardi, Los Angeles Chapter.

The scholarship competition is open to sons, daughters or dependents of North American Rockwell Corporation employees of the Aerospace and Sys-

tems Group or a wholly owned subsidiary administered by the Group or the General Offices of NR, working within a radius of 125 miles of the General Offices.

Parents need not be members of the LA Area association. However, one parent must have completed a minimum of six months employment on or before March 7, 1969, and still be an employee as described above at the time awards are made.

To qualify, applicants must be high school seniors who will graduate either in January or June of 1969.

The boy and girl attaining the highest competition scores each will receive \$3,200 scholarship awards which provides \$800 per year over a four-year period. In case of an accelerated program, payments may be made other than annually, if certified by the student's registrar.

A request for application is provided below.

Upon receipt of request, the Management Association office will issue the official "Application Form" which must be completed and returned to the office by March 7.

Date of the scholarship competition examination has been set for Saturday, March 22.

Last year 126 students took the exam—65 girls and 61 boys. They represented 86 schools throughout the area.

The 1968 winners Dara Morowitz and Keith Kawate are attending the University of California at Berkeley and Massachusetts Institute of Technology, respectively.

OSO Returns . . .

(Continued from Page 1, Column 5) OSO's bringing to the Space Division the new dimension of 'inner space' will be beneficial to both of us."

OSO headquarters is located on the Long Beach waterfront, at 359 S. Magnolia Ave. The site affords ready access to the open sea. A manmade harbor grants opportunity for work in shallow, enclosed waters and offers proximity to shipping, shipbuilding, offshore oil and naval operations.

The modern 40,000 - square foot marine center accommodates OSO's advanced research, engineering and test operations and administrative functions. An adjacent 6.5-acre enclosed basin of water provides a protected docking and test site. Manufacturing, fabrication and assembly activities are in Compton.

North American Rockwell's development of deep ocean technology has been enhanced by an agreement with the University of Southern California calling for mutual participation in a broad program of marine science investigations.

This agreement is being implemented by OSO's construction, now underway, of a test and evaluation facility and an underwater research and development facility on Catalina Island. The Catalina Island complex is adjacent to a branch of USC's School of Marine Science.

Paine Foresees Space Missions for Many Years

The precedent-setting moon-orbiting flight of Apollo 8 was not the end of mankind's efforts to reach the far planets, but the beginning of a program of space flight that will extend through many generations, says Dr. Thomas Paine, NASA's acting administrator.

"This is the first time man has gone on out to the outer regions of space free of the Earth's gravity, but many are going to follow . . . the trail that they have blazed," Paine told newsmen.

"We are looking forward to the remainder of the Apollo program," he said. "Beyond that, we are looking forward to the days we will be manning space stations in the sky, conducting lunar explorations, and in the distant future beyond that, blazing a new trail on out to the planets."

Apollo 9 . . .

(Continued from Page 1, Column 4)

Crewmen for Apollo 9 will be astronauts Jim McDivitt, commander; Dave Scott, command module pilot, and Russell Schweickart, lunar module pilot. The flight will be the first manned test in space of the lunar module, which later will take two astronauts to the moon's surface, and will include the first extra-vehicular activities in the Apollo program.

Planned for up to 10 days duration, Apollo 9 will be an Earth-orbit flight simulation of portions of the lunar landing mission. Included in the flight plan are crew transfer from the command module to the lunar module, and rendezvous and docking.

During the Apollo 9 mission, events of the lunar landing mission will be conducted in the same sequence and at the same relative time during the mission. The flight plan also calls for a maximum distance rendezvous, with the lunar module approaching the command and service modules from a distance of several hundred miles.

Division-built hardware for the Apollo 10 flight already is at the Cape. Spacecraft 106, payload for the test, this week was put through a simulated altitude test, and the fifth Saturn S-II flight stage is awaiting assembly with the launch vehicle.

W. C. Schneider Named NASA AAP Director

William C. Schneider, former Apollo Mission director, has been named director of Apollo Applications for NASA.

Schneider succeeds the late Harold T. Lusk, who died last November. Replacing Schneider in his old post will be George Hage, deputy director of the Apollo program, who will act as mission director in addition to his present assignment.

In his new position, Schneider will have over-all responsibility for the Apollo Applications program. The program is designed to make use of the hardware developed for the Apollo manned lunar landing project in carrying out extensive and long-duration Earth-orbital operations.

Flights in Apollo Applications are scheduled to begin in 1971. Missions include the establishment of the Saturn I workshop in Earth-orbit, and the later attachment of the Apollo telescope mount to the workshop. Three-man crews will occupy the workshop and operate the telescope system.



FIRST-HAND — Gerry Phillips, pilot for PanAm, and family, take close-up look at Apollo 8 command module. Phillips was on flight en route to Honolulu when Earth-bound command module passed about 90 miles off airplane's course. Phillips said he could see the command module for about three minutes as vehicle and its astronaut crew sped Earthward for splashdown.

(REQUEST FOR APPLICATION)

LOS ANGELES AREA MANAGEMENT ASSOCIATION TWENTIETH ANNUAL SCHOLARSHIP COMPETITION
 Management Association Office E-10
 North American Rockwell Corp.
 1700 E. Imperial Hwy.
 El Segundo, Calif. 90245

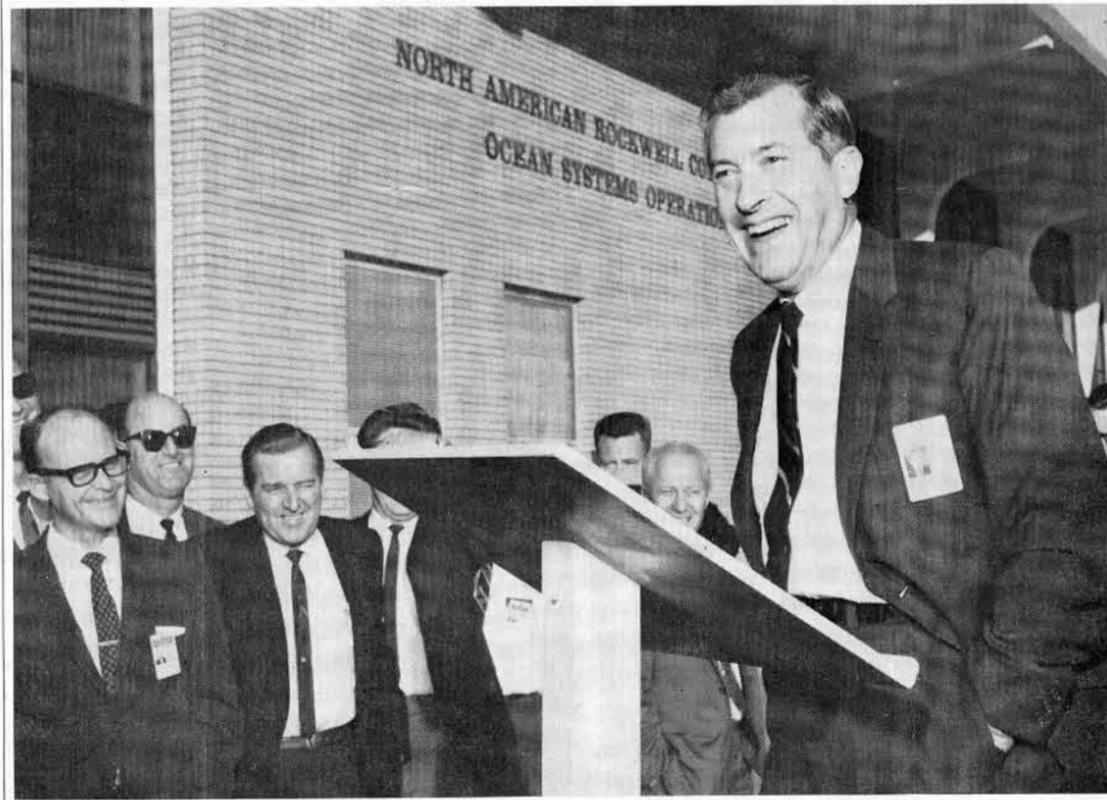
I am a high school senior interested in the 1969 Management Association Scholarship competition. Please send me an application form.

PLEASE PRINT OR TYPE

My name _____
 (first) (initial) (last)

Address _____

City _____ State _____ Zip Code: _____



WELCOME ABOARD — Space Division President William Bergen, speaking at Long Beach headquarters of Ocean Systems Operations, informally welcomes OSO employees who transferred from Autonetics Division to the Space Division Jan. 1. Some 200 employees have changed their badges.



DOWNEY COMMENDATION — Pert Sandy Kashirsky of Printing Services admires Proclamation of Appreciation and Commendation presented by city of Downey honoring Apollo 8 astronauts on successful completion of their mission and Space Division on perfect operation of its hardware during historic flight.

The Year Ahead...

(Continued from Page 1, Column 5)
A number of significant events occurred in 1968, laying the groundwork for strengthening the division's prospects for the future. Among these was the establishment in February of Advanced Programs, which has the over-all division responsibility for coordinating all functional activities for the development and acquisition of new business.

Later in the year, the division's charter was expanded to include prime company responsibility in the field of unmanned space systems. Ocean Systems Operations was returned to the division from Autonetics, enlarging Space Division's scope from the environment of outer space to the "inner space" of the undersea world.

(See Story Page One)

In September, the division was awarded an Apollo Applications Program preliminary design review phase contract that could result in a go-ahead for hardware fabrication later this year. Len Timman was named program manager of the AAP organization.

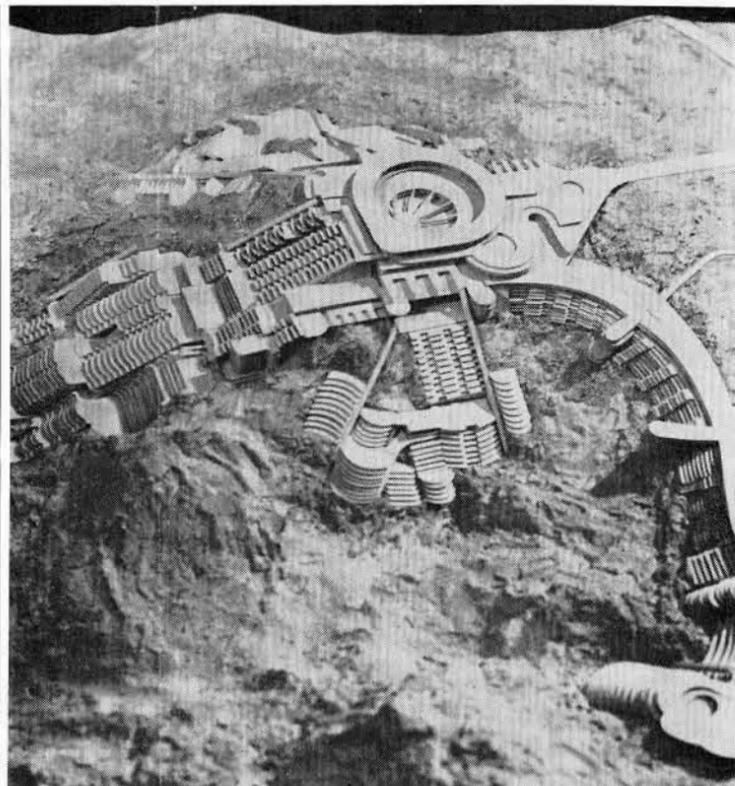
Along with AAP, other key new business areas the division will pursue during the coming year will include:

The continued use and additional applications of Apollo spacecraft and S-II stage hardware; advanced rocket stages; manned space station systems; Earth orbital and planetary systems; the acquisition of contracts for studies, subsystems and systems related to Earth resources satellite programs and ocean systems projects.

FINANCIAL GROUP MOVES TO NEW BLDG. 4 OFFICES

The Downey Financial group this week was relocated within Bldg. 4.

Walt Klinger, manager of Payables and Payroll, said new quarters for the group are in the southeast corner of Bldg. 4, at grid location S-358 and E-1. The group handles the distribution of paychecks, and furnishes assistance in such matters as payroll, group insurance, and travel audit items for Downey personnel. Telephone extensions for the Downey Financial group are 2773 and 4020.



"NEW TOWN" — Model illustrates proposed mountain "new town" to be located in the Malibu area. Low-contour high-rise structure would take advantage of natural terrain and all 7,200 units would have Pacific Ocean view. "New town" concept is one of many to be examined in North American Rockwell special to be seen in color Monday, 10 to 11 p.m. PST, Channel 7.

COMPANY WILL PRESENT SECOND TV "SPECIAL" MONDAY AT 10 P.M.

"Cosmopolis," a North American Rockwell special on the growing pains of the world's cities, will be seen in color Monday, Jan. 13, 10-11 p.m., PST, on Channel 7.

In this second show in the "Man and His Universe" series, executive producer John Secundari seeks out some of the world's most knowledgeable and concerned experts who discuss their approaches to solving many problems developing out of growth which, they predict, must be solved within the next 30 years.

The special first examines Tokyo with its compound problems of overcrowding, waste disposal, air pollution and deafening cacophony.

Tokyo is contrasted with Los Angeles and its gigantic urban sprawl.

Former senator Paul Douglas, chairman of President Johnson's Committee on Urban Affairs appears in the Special and discusses what is being done in the United States to alleviate our urban dilemmas. George C. Scott narrates.

Borman, Lovell, Anders Presented with NASA's Highest Tribute

The NASA Distinguished Service Medal, the agency's highest honor, was presented to Apollo 8 astronauts Frank Borman, Jim Lovell and Bill Anders yesterday by President Johnson in White House ceremonies.

The ceremonies included an appearance by the lunar-orbiting trio before a joint session of Congress, and then a parade down Pennsylvania Ave.

The three astronauts today

are being honored with a traditional New York City ticker tape parade for heroes that highlights a day of special observance in their honor. They will attend a state dinner at the Waldorf Astoria Hotel following the parade.

The astronauts received the invitation to the day-long ceremonies moments after they splashed down in the Pacific after their history-making mission.

Company NewsWire

A new chemical compound—chlorine pentafluoride—which many scientists claimed theoretically could not exist, has been developed for rocket engines after years of exploratory work by Rocketdyne. It is the most powerful storable liquid oxidizer ever invented, and will

give missiles or spacecraft greater range or a heavier payload capability. It is now ready for operational use.

The X-15 program, which blazed a brilliant trail across the horizons of aerospace technology during nearly 10 years of flight research, has ended. NASA praised it for its trail-blazing missions.

Apollo 8 Spacecraft Exhibit Will Be Opened to Public Tomorrow

A display featuring the Apollo spacecraft and highlighting the Apollo 8 mission will be sponsored by the State Mutual Savings & Loan Assn. at its Downtown Los Angeles office beginning tomorrow.

The exhibit, at the company's office at 626 Wilshire Blvd., is being presented through Jan. 31.

Spotlighted in the display are a full-scale Apollo spacecraft mockup, including three space-suited mannequins; a nine-foot tall Saturn V launch vehicle scale model, an Apollo spacecraft heat-shield exhibit, and scale models of an advanced logistics spacecraft and an Apollo Applications orbital workshop. Supporting the display are a number of photographs and a film highlighting the Apollo 8 mission.

Lindbergh Attends Apollo 8 Launching

The launch of Apollo 8 brought more than a thousand leading citizens to the Kennedy Space Center. Notable among them was Charles Lindbergh, who electrified the world in 1927 by making the first solo flight across the Atlantic Ocean.

Division President William Bergen recalled that as a boy he saw Lindbergh take off on his historic flight from New York to Paris. "It was witnessing this takeoff which turned my mind toward aviation and space," Bergen said.

A host of State Governors and U. S. Congressmen, including Sen. Edward Kennedy, were on hand for the momentous occasion. Other especially invited guests included civic and industrial leaders from throughout the United States.



APOLLO 8 LOOK — Apollo 8 astronauts Jim Lovell, left, Bill Anders and Frank Borman chat informally with members of crew of recovery carrier USS Yorktown, after they had their first look at command module in which they traveled to moon and back. In photo at right, part of group of more than



70,000 division employees and their families are shown as they had their first opportunity to see moon-orbiting command module during special exhibit at Downey last week. Command module now is in extensive post-flight testing period in which spacecraft and all its systems will be thoroughly checked.

Classified Advertising



SECRETARIAL WORKSHOP—Space Division and Rocketdyne secretaries at NASA's Mississippi Test Facility recently attended a secretarial workshop. Shown from left are: Juanita Lawrence, Joanne Benjamin (instructor), Carolyn Powers and Avis Berridge.

- FOR SALE**
- AUTOS**
- '61 Chevy Van, OX. 5-8355.
 - '64 Corvette Fastback, 4 spd., 213/695-6119.
 - '65 Chrysler, A/C, 928-2129.
 - '65 Valiant, 6 cyl., 2 dr., \$695, 869-2901.
 - '68 Opel, R/H, WSW, \$1695, 714/847-1655.
 - '58 Olds. Dynam. 88, \$200, 639-5552.
 - '59 Metro, 867-2657.
 - '59 Sprite, 867-2657.
 - '67 Cadillac Eldorado, \$5,000, 714/527-1173.
 - '69 VW, \$1800, FR. 5-5646.
 - '64 VW w/sunroof, \$950. TO 6-8133.
 - '65 Mustang, 714/897-4942.
 - '60 Comet, \$125, 213/377-7169.
 - '66 Galaxie, 213/941-7062.
 - '65 Ford Fairlane, 2 dr., 927-7178.
 - '63 Ford Sta., OD, R/H, V8, A/C, \$785. 348-3373.
 - '57 Ford, PL 4-7030.
 - Willys Jeep, new motor, TO 9-3864.
 - '58 Volvo, 531-6289.
 - '65 Buick, Spt. Wgn., A/C, F/P, \$1995. 328-1998.
 - '53 Chevy Wagn., Auto., 869-9943.
 - '67 El Camino, \$1995, 871-8649.
 - '65 Galaxie, 4 dr., pow., p/auto., \$850. 376-1181.
 - '61 Continental, \$950. 714/642-3939.

- FOR SALE**
- MOTORCYCLES**
- '65 Honda S90, 213/421-2935.
 - '66 Triumph TR6, 650cc, 213/869-7463.
 - '68 BSA 650cc, Firebird Scrambler, \$975. UN 3-5232.
 - '66 Triumph 650cc. 869-7463.
- HOMES**
- 3 br., 2½ bath, Whittier, WH 1-7469.
 - Home with pool, \$28,000. 527-5015.
 - 3 bd., Gardena, \$25,000. 865-0016.
- APPLIANCES**
- Maytag washer, \$65. 714/826-1396.
 - Frigidaire Flair Elect. Range. TO 2-1384.
- BOATS**
- Regatta Ski Boat, 110 HP, 213/867-4202.
- REAL ESTATE**
- 60'x130' Thousand Oaks lot, \$8000. 633-5021.
 - 30 Acres, Sierras. 943-7006.
- PETS**
- English Bulldog Pups, AKC, 282-9276.
- MISCELLANEOUS**
- Child's desk, rolltop, 421-1640.
 - 35 mm Pentax camera with 3 lenses, 421-2935.
 - Long Hospital Bed, 421-2935.
 - Portable Tape Recorder, 421-2935.
 - Practice piano, 213/537-0586.
 - Fottron Automatic Camera, \$100. 594-3833.
 - '54 thru '64 Proof Sets. 714/879-7897.
 - Camera 35 mm, Yashica \$50. 790-2143.
 - "Shopsmith". TO 9-6005.
 - Aquarium complete w/fish. 634-3171.
 - Citizen Band, mobile, bass. 634-3171.
 - Gretch Drums, 10 piece set. TO 6-8827.
 - Clarinet with case, \$60. 862-7254.
 - Baldwin Bass Amp. TO 9-3864.
 - Lionel Trains, w/equip. 714/826-1396.
 - Reward of \$5. for a lead to buy #135 Melody Toy Player piano made by J. Chein of Burlington, New Jersey. Kaup (R). 3903 W. 64th St., L.A.
 - '56 VW Engine, 714-847-5756.
 - Western Saddle/Tack, Blk., 438-5622.
 - Drum Set, 6 piece, \$150, 862-7254.
 - Office Desk w/accessories, \$30, 213-865-6420.
 - Voigtlander Camera, 35mm, 714-826-6455.
 - Hair Dryer, \$15, 374-5200.

- FOR SALE**
- ODDS AND ENDS**
- 5-6 Ply Truck Tire 7-17-5, \$45, 213/428-1518.
 - "Arcadia" Sliding Glass Dr. 714/524-2558.
 - Antique Leaded Glass Windows, 213/421-1640.
 - Western saddle and bridle. 213/537-0586.
- WANTED TO BUY**
- Young St. Bernard m/f. 805/495-5865.
- FOR RENT**
- Bach. to share Downey house, 213/633-5021.
 - 3 hr., 2 bath, Anaheim, \$250. 714/534-4118.

Loh Dedicates New Volumes to Late President

"Re-entry and Planetary Entry Physics and Technology," a two-volume technical work authored and edited by Dr. W. H. T. Loh, manager of Science and Technology, will be published this month by Springer-Verlag, Inc.

Both volumes of the book are printed as part of the "Applied Physics and Engineering" International series. Volume 1 is subtitled, "Dynamics, Physics, Radiation, Heat Transfer and Ablation," and Volume 2 is "Advanced Concepts, Experiments, Guidance-Control and Technology."

The volumes are intended for use as texts for universities, as well as reference books for industries in the areas of re-entry physics and technology.

Loh said the two volumes are dedicated to President John F. Kennedy "for his decision to land man on the moon in this decade, and to former NASA Administrator James E. Webb for his achievements in carrying out our national goal in space." Co-authors include Dr. Joseph Shea, former Apollo program manager for NASA's Manned Spacecraft Center, and Dr. John F. McCarthy, Jr., vice president of Research and Engineering for the company's North American Aviation Divisions office (NAAD).

Bridge Club to Meet Tuesdays

With the start of the new year, the division Bridge Club has announced a change in meeting nights to Tuesdays at 7:30 at the Recreation Center.

Current activities include a series of classes and weekly master-point games for both beginning and advanced players. The classes are headed by Space Division's Jean Dryer, 1965 National Industrial Recreation Assn. duplicate bridge champ, and are \$7.50 for 10 lessons. Master point play is \$1 a night.

Full information on club activities and membership may be obtained by contacting the Downey Recreation Center, Ext. 6094, after 1 p.m.

Howard Moore Installed

Howard C. Moore, a manufacturing analyst in Apollo Cost Analysis and former employee of the Los Angeles Division, has been installed as president of the Los Angeles Division Trailer Club for 1969.

Lacrosse Players Sought

The Southern California Lacrosse Association is seeking new players for its winter league which opens Feb. 15. There will be practice and exhibition games during January. Further information may be obtained from John Stuart, Ext. 4508-9.

Mick O'Mach & Buster



"Hey . . . watch it doc! That's my sore knee!!"



GOLD AND SILVER — Central Manufacturing received the gold plaque and the Engineering Model Shop a silver plaque for "outstanding support" of the division's Technology Utilization Program during October. From left are Bill Green, TU engineer for Central Manufacturing; Doug Chidley, head, Model Shop; Fred Burry, director, Central Manufacturing; Roy Petersen, manager, Central Manufacturing, and John Healey, vice president, Manufacturing and Facilities. Chidley's group won the silver plaque in the program for the third successive month.

AIAA Space Simulation Conference Slated for Los Angeles Sept. 8-10

The American Institute of Aeronautics and Astronautics has announced a Space Simulation Conference, to be held in Los Angeles Sept. 8-10.

Abstracts of 500 to 1,000 words should be submitted in triplicate no later than March 24 to John P. Mugler, Jr., assistant head, Space En-

vironment Branch, NASA Langley Research Center, Mail Stop 231, Langley Station, Hampton, Va. 23365.

Purpose of the conference is to provide a forum for presentation of new information on the technology of space simulation. This technology area encompasses all aspects of simulating and determining effects of the many environmental features of space. These environmental features include vacuum, solar radiation, particle radiation, meteoroids, zero gravity, magnetic fields, temperature extremes and planetary atmospheres.

A major segment of the 1969 meeting will be devoted to the challenges posed by the more complex, long-duration near-Earth missions, and the interplanetary flyby and landing mission being considered.

...and How are Your Bulbs?

In a nationwide motor vehicle safety check, lights, both front and rear, were found to be the most defective equipment, says the Greater Los Angeles Chapter of the National Safety Council.

SPACE DIVISION

Skywriter

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ANNUAL REPORTS NOW AVAILABLE

Copies of North American Rockwell Corporation's 1968 Annual Report are continuing to come out of the bindery for mailing to shareowners.

Employees who would like copies should print their names and addresses on the request form below and send the form to corporate Public Relations.

No postage is required if company mail distribution is used to forward the form.

The 54-page report contains information about the major products and programs of each of the corporation's divisions as well as the corporation's overall financial results. Illustrated with 40 full color photographs, the annual statement also has 10 graphs that highlight significant financial strengths.

As previously reported in *Skywriter*, the printed annual statement shows that the company earned \$73,750,000, equal to \$2.83 per common share, on \$2,639,784,000 sales in the fiscal year ended Sept. 30, 1968. This compared with \$71,799,000, or \$2.75 per common share, earned on \$2,516,438,000 sales in fiscal 1967.

EMPLOYEE ANNUAL REPORT REQUEST FORM

To obtain a copy of North American Rockwell's 1968 Annual Report, provide the information requested below (please PRINT), and send this form to:

Corporate Public Relations
General Offices
North American Rockwell Corporation
2300 East Imperial Highway
El Segundo, California 90245

(Name) _____

(Home Street Address) _____

(City) _____ (State) _____ (Zip Code) _____