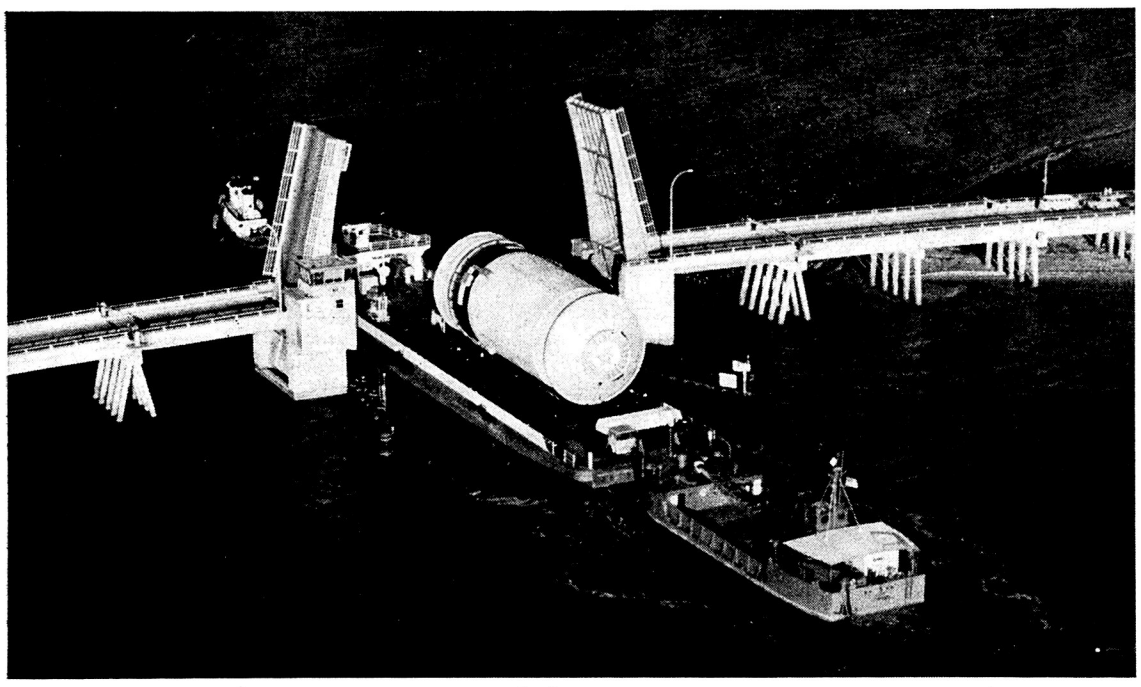
SPACE DIVISION
Skywriter
NORTH AMERICAN ROCKWELL CORPORATION
VOL. XXIX, No. 3 (Aerospace and Systems Group) JANUARY 17, 1969



JOURNEY'S END — Fifth Saturn S-II flight stage passes through NASA Kennedy Space Center's raised Banana River Bridge enroute to Launch Complex 39 assembly area where it will be mated with other stages of Saturn V launch vehicle for Apollo 10 mission. S-II-5 stage was transported from NASA's Mississippi Test Facility by ocean-going barge, then by shuttle barge from Port Canaveral for journey to KSC's Vehicle Assembly Bldg. for mating with other stages.

Executives Honored for Lunar Mission

Atwood, Bergen and Hoffman Receive NASA Public Service Award in Houston

Three executives of North American Rockwell were honored for significant contributions to the success of the Apollo 8 lunar orbit flight during special ceremonies at Houston, Monday, at the National Aeronautics and Space Administration's Manned Spacecraft Center.

The NASA Public Service Award — the highest honor which the space agency presents to an individual not employed by the Federal government — was awarded to J. L. Atwood, president and chief executive officer of North American Rockwell; William B. Bergen, president of the Space Division and Samuel K. Hoffman, president of Rocketdyne Division.

The wording of the award, calling out each individual honored, noted that he had been given the NASA Public Service Award "for his outstanding contribution as a key leader on the Government-Industry team which made possible the exceptional success of Apollo 8, the first manned lunar orbit mission."

Dr. Thomas O. Paine, acting administrator of NASA, presented the awards. A group of NASA employees received Distinguished Service Medals and Exceptional Service Medals for their contributions to the flight.

"I am deeply honored to receive this award," said Bergen. "But I want to point out that I was merely the one who was here — it really belongs to the thousands of Space Division employees who are doing such outstanding work on our Apollo spacecraft and Saturn S-II programs."

The NASA Public Service Award is granted to non-Federal government-employed individuals whose meritorious contributions have produced tangible results which measurably improve, expedite or clarify manufacturing techniques, scientific progress, work methods or other efforts related to the ac-

(Continued on Page 2, Column 5)

APOLLO 8 NAMED TOP NEWS STORY

The Apollo 8 flight has been chosen 1968's top news story by the nation's newspaper editors.

The space achievement moved to first place on all ballots in polls made by both the Associated Press and United Press International, the two wire services reported at year-end. It was similarly ranked by Canadian editors in a poll by the Canadian Press.

DEPUTY DIRECTOR

Borman Named to Flight Crew Operations Post

Astronaut Frank Borman, commander of the Apollo 8 moon-orbiting flight, has been promoted to the post of deputy director of Flight Crew Operations at NASA's Manned Spacecraft Center.

In his new assignment he will have responsibilities involving the Astronaut Office, and Flight Crew Support Division. Director of Flight Crew Operations is Donald Slayton.

"Frank has a tremendous background in engineering, flight test and as an instructor," said Slayton. "He will be of enormous help to us in assuring

(Continued on Page 3, Column 3)

Apollo 9 Flight Seen as Dress Rehearsal for Lunar Landing

The Apollo 9 flight, scheduled for launch in February, will be a key dress rehearsal in Earth orbit of many of the operations astronaut crewmen will perform during the forthcoming lunar landing mission.

Planned for lift-off aboard a Saturn V from NASA's Kennedy Space Center on Feb. 28, the 10-day flight will be the first manned mission for the lunar module which later will carry two astronauts to the surface of the moon. Crewmen for the flight are Jim McDivitt, commander; Dave Scott, command module pilot, and Russell Schweickart, lunar module pilot.

Principal goal of the mission will be to evaluate performance of the Grumman-built lunar module's systems in space. The flight also will include about two hours of extra-vehicular activities by Schweickart — the first in the Apollo program, and rendezvous and docking between the command/service modules craft and the lunar module.

Highlights of the 10-day mission announced by NASA included:

On lift-off, the Apollo spacecraft will be inserted into a slightly elliptical 125 by 129 statute mile Earth orbit. The crew will perform a simulated translunar injection with a preprogrammed restart of the third stage engine. The command service modules craft will separate, turn around and then dock with the lunar module while it is still attached to the third stage.

The command/service modules will pull the lunar module free of the third stage, and a

(Continued on Page 2, Column 4)

Spacecraft 107 Delivered to NASA at Downey; Prepared for Shipment

Apollo Spacecraft 107, planned for use in the Apollo 11 mission, was delivered to NASA at Downey on Tuesday.

Al Kehlet, Apollo assistant program manager for the spacecraft, said Spacecraft 107 is being prepared for shipment to NASA's Kennedy Space Center early next week. The spacecraft is scheduled for launch in July.

In announcing the crew for the flight last week, NASA said Apollo 11 is considered the earliest possible mission in which a lunar landing will be attempted. Success of the Apollo 9 and Apollo 10 flights will be the determining factor.

Commander for Apollo 11 will be astronaut Neil Armstrong, a veteran of NASA's X-15 flight test program. Mike Collins will be command module pilot, and Ed Aldrin will be lunar module pilot.

In the lunar mission, Armstrong and Aldrin would man the lunar module when it descends to the moon's surface and would be the first Americans to set foot on another space body. Collins would remain in the command/service modules craft as it orbits the moon.

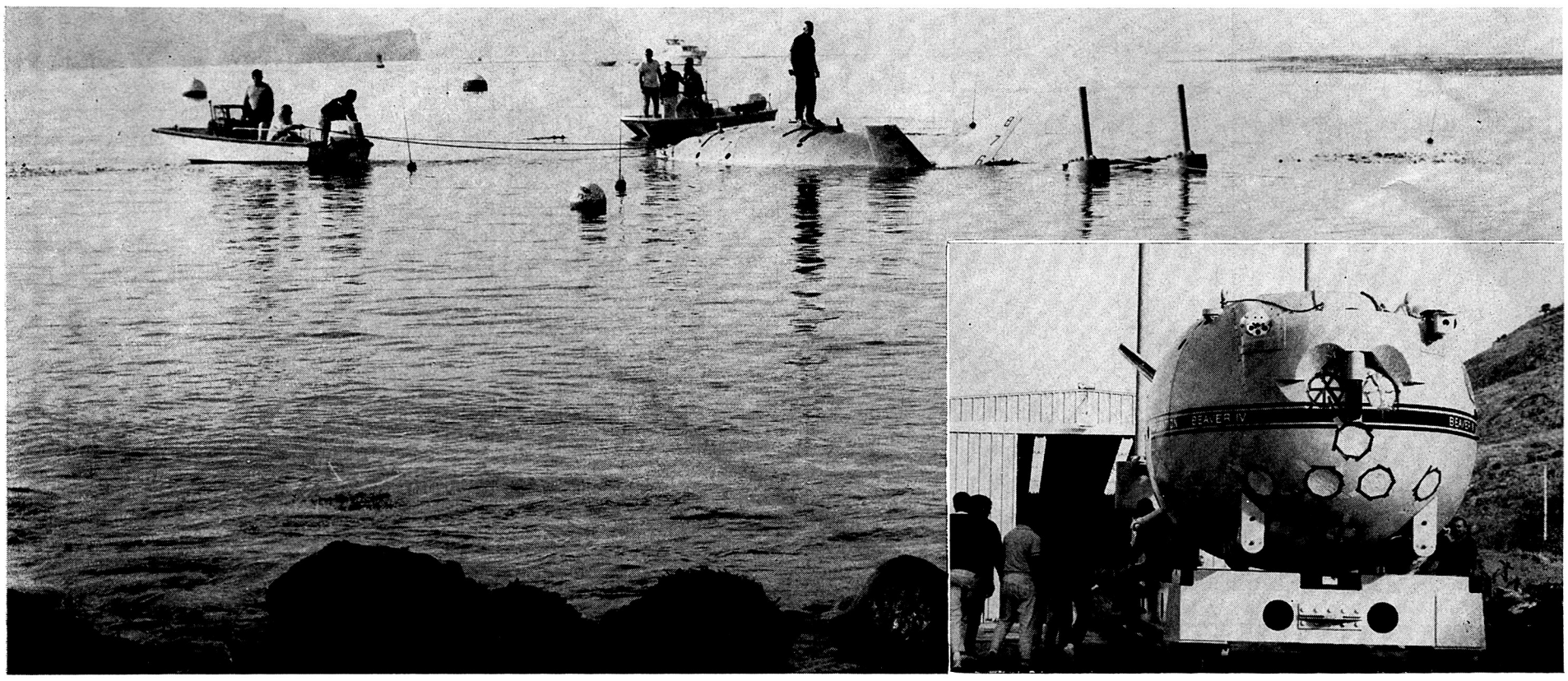
All of the crewmen are space flight veterans and were closely associated with the Apollo 8 flight. Collins was a member of the prime crew until he had to be withdrawn from flight status to undergo surgery to remove a bone spur growth from his spine. Armstrong and Aldrin were commander and command module pilot, respectively, on the Apollo 8 backup crew.

Armstrong was command pilot of the Gemini 8 mission in March, 1966, in which the first successful docking of two spacecraft in orbit was accomplished. Aldrin completed five and a half hours of extravehicular activities during the Gemini 12 flight in November, 1966.

Collins flew with John Young in the Gemini 10 mission, which included rendezvous and docking with a separately launched Agena target vehicle, a change of orbit and then rendezvous with a second, passive, Agena. In one of his two periods of extra-vehicular activity during the flight, Collins recovered a micrometeorite detection experiment from the passive Agena.

(Continued on Page 3, Column 4)

APOLLO 9 CREW — Astronauts Dave Scott, left, Jim McDivitt and Russell Schweickart, crewmen for Apollo 9, are shown prior to start of water recovery test that was part of training for mission. Apollo 9 is undergoing pre-launch checkout at Kennedy Space Center for Feb. 28 lift-off.



DOWN TO THE SEA — Ocean Systems' Beaver Mark IV "Roughneck," on its railroad transporter, inset, is readied for its first test ride to Fisherman's Cove in Catalina Island. The tethered Beaver, center, is immersed for an early trial in salt water. Initial testing is scheduled to begin next week.

'ROUGHNECK' IS VERSATILE UNDERWATER CRAFT

Beaver Mark IV Prepared for Initial Sea Test Off Catalina

The Beaver Mark IV, destined to be a workhorse for future underwater commercial operations, today had its first immersion in salt water and is ready for extensive sea trials at Catalina Island's Fisherman's Cove.

Christened late last year at launching ceremonies as the "Roughneck," the Beaver was designed and built by the Ocean Systems Operations. The 25-foot submersible is scheduled to commence sea trials next week, which will conclude this spring in test dives to depths of 2,000 feet.

The "Roughneck" is a versatile manned underwater craft capable of performing a wide range of industrial, research and military operations. A principal capability is the use of remote-controlled manipulator arms for underwater work which previously has not been possible.

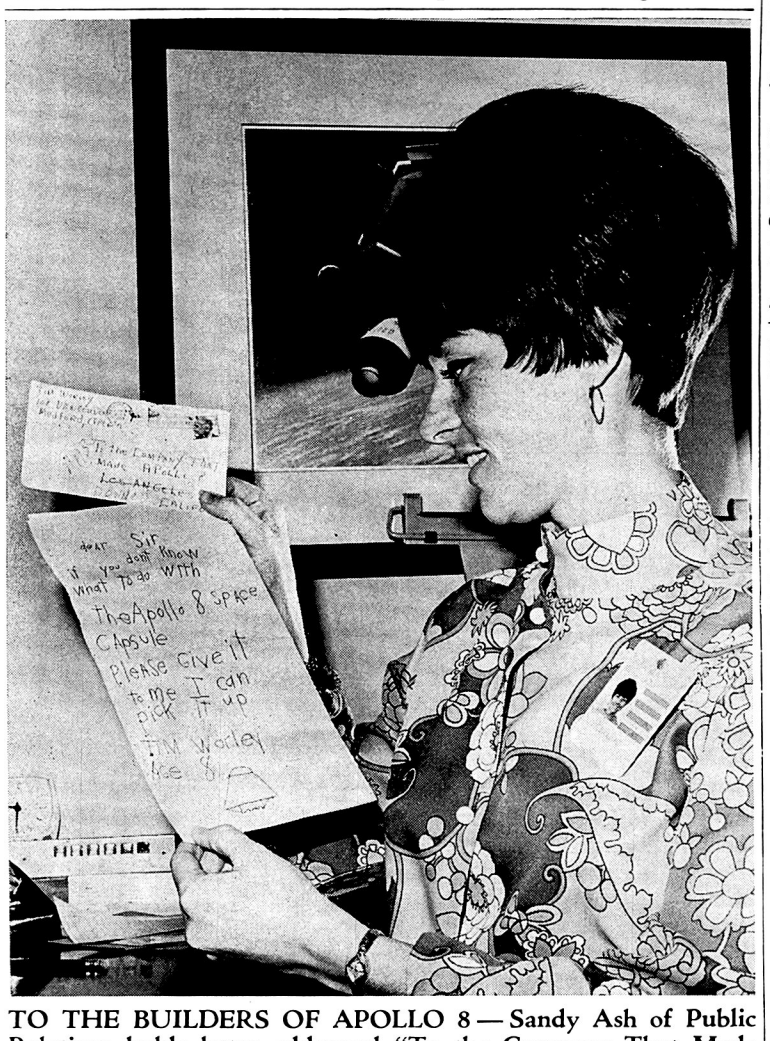
The Beaver was assembled at the Compton facility and late last week was transported to the Catalina test site.

Initial testing next week will verify the engine propulsion system in sea water conditions along with a thorough checkout of the ballast tank system.

Weighing approximately 27,000 pounds, the Beaver is 8½ feet in height and measures 9½ feet in width. Its interior structure — a pair of steel pressure spheres connected by a narrow trunk — is encapsulated by an external flooded hull. At submerged levels, the Beaver has a cruising speed of 2½ knots and has the capability of hovering.

George Tuttle, program manager of the Beaver, will have overall supervision of the test sea trials with Bill Callaway as project engineer. Tony Anstead is test conductor and Joe Thompson, Ed Cargile, and Ed Krueger are the Beaver pilots assigned to the testing phases.

The Fisherman's Cove facility, shared under joint agreement with the University of Southern California, is located on the Channel side of Catalina just south of the Isthmus. Wes Wright is the division's base administrator at the site.



TO THE BUILDERS OF APOLLO 8 — Sandy Ash of Public Relations holds letter addressed "To the Company That Made Apollo 8," which was forwarded to company from eight-year-old Tim Worley of Medford, Ore. Tim wrote, "dear Sir, if you don't know what to do with the Apollo 8 space Capsule Please Give it to Me I can pick it up." Young Tim's letter is one of hundreds written to company since flight, requesting photographs, information — and other things, on the Apollo/Saturn program.

Borman Named . . .

(Continued from Page 1, Column 1)

proper pilot training in the critical months ahead."

Talking with newsmen last week, Borman said he had talked with NASA officials prior to Apollo 8 and told them that the flight would likely be his last space mission. But making the Apollo 8 flight, he emphasized, had been one of his deepest personal ambitions because of his association with the improvements in the Block II Apollo command and service modules.

Borman leaves behind him a number of space "firsts" as he steps out of manned space flight operations. In addition to commanding the historic Apollo 8 flight, he also is co-holder of the record for the longest manned space flight (330 hours, 35 minutes), and participated in the first rendezvous of two manned maneuverable spacecraft as Gemini 7 was joined in orbit by Gemini 6 during the famed December, 1965, flight.

Joe Cuzzupoli Named Director of AAP Program Manufacturing

Joe Cuzzupoli, formerly Apollo assistant program manager for Spacecraft 103, has been named director of Apollo Applications Program Manufacturing, according to John Healey, vice president of Manufacturing and Facilities.

Cuzzupoli served as assistant program manager on the Apollo 8 spacecraft for almost a year prior to assuming his new duties. Earlier, he held the same post for Spacecraft 020, which was the payload for the successful Apollo 6 unmanned test of April, 1968.

He joined Space Division in 1963 as manager of spacecraft checkout in Apollo Test Operations. Cuzzupoli was appointed manager of Manufacturing and Test Support in Apollo Engineering in August, 1967, and to his post on Spacecraft 020 in October of the same year.

Cuzzupoli was with General Dynamics Astronautics for two years before coming to Downey, serving as responsible engineer for Air Force training on the Atlas missile program at Vandenburg Air Force Base. Before that time he was a sales engineer for the Sperry Rand Corp.

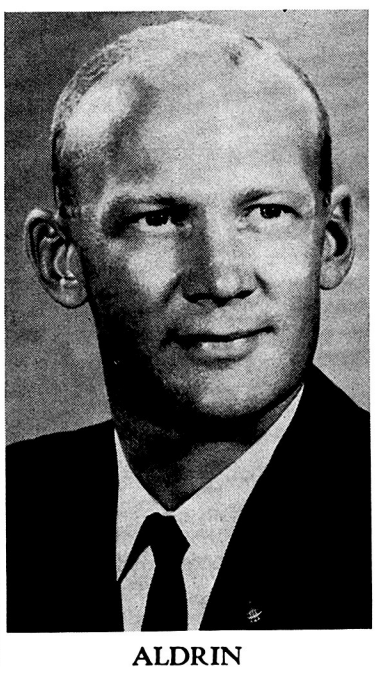
Spacecraft 107 . . .

(Continued from Page 1, Column 2)

Backup crewmen for Apollo 11 are Jim Lovell and Bill Anders, who were members of the Apollo 8 prime crew, and Fred Haise, who has not made a space flight.

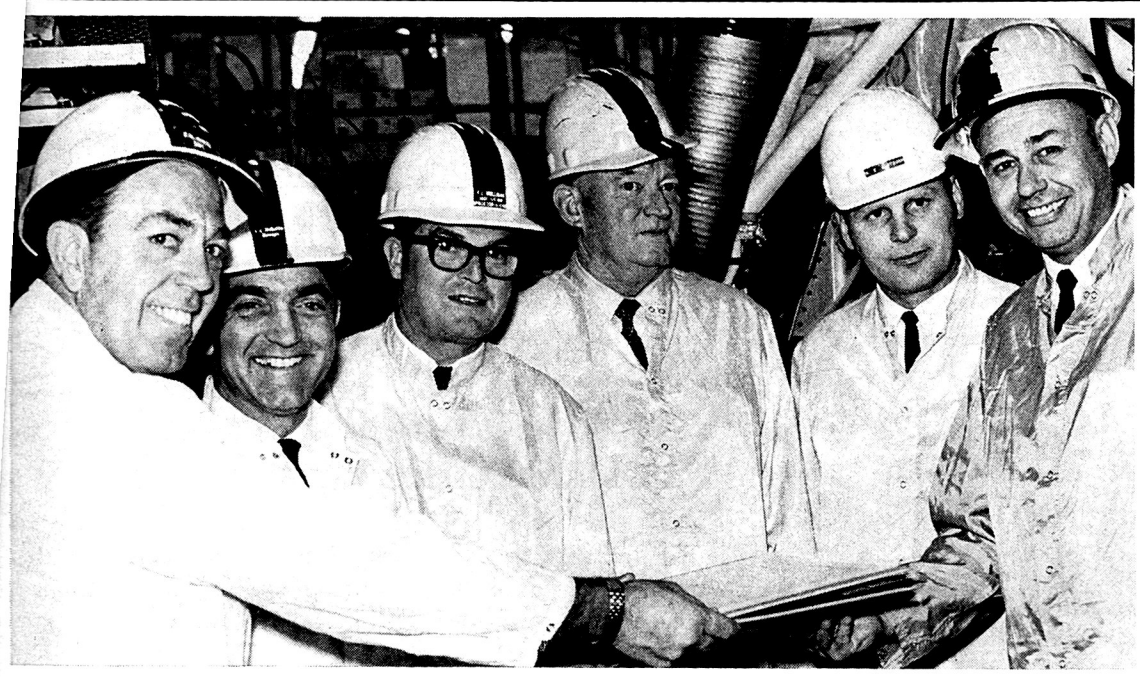
Astronauts John Swigert, Ronald Evans and William Pogue are the flight crew support team. Swigert worked for the Space Division as a Paraglider program test pilot prior to being selected as an astronaut.

ARMSTRONG



ALDRIN

COLLINS



TURNOVER — Turnover of Apollo Spacecraft 109 from Manufacturing to Apollo Test Operations for start of systems testing was highlight for members of team working on spacecraft. From left are Bob Hansen, Bill McQuillin, J. F. Mulligan, George Brooks, Bill Eastburn, Jack Schneider.

Satisfaction Expressed Over Saturn V Dec. 21 Launch Role

The Saturn V launch vehicle's role in December's Apollo 8 mission was a very successful performance by one of mankind's most complex machines, according to engineers at NASA's Marshall Space Flight Center.

Dr. Wernher von Braun, MSFC director, said he was "completely satisfied with the superb operation" of the big Saturn V on which his organization and many others have spent most of their efforts for the past six years. "The rocket was magnificent, but no more so than the thousands of people who have made this hour possible," he added.

In a post-flight report made by MSFC, it was noted that the five Rocketdyne-built J-2 engines of the division's Saturn S-II second stage were started at 155.2 seconds into the flight and that engine cutoff came six minutes and nine seconds later. Over-all propulsion performance was normal, said NASA.

The flight also proved that modifications made as a result of problems experienced during the second flight of the Saturn V are altogether adequate, NASA said. Essentially, these were improvements in ignition lines on the J-2 engines used on the upper stages, and a modification to change thrust impulses on the powerful first stage engines.

BLOOD BANK CARDS DUE BY WEDNESDAY

Donor cards for the Downey facility's first Blood Bank of the year were put in the mail this week to first-shift employees.

Those interested in contributing to the Blood Bank should fill out their cards and return them to Recreation and Welfare no later than next Wednesday. The Blood Bank will be held Feb. 4 and 5 in the Bldg. 1 Assembly Room.

Quality Control Experts to Meet Feb. 21 in L.A.

The Tenth Annual West Coast Reliability Symposium, sponsored by the Los Angeles Section, American Society for Quality Control, will be held at the Century Plaza Hotel, Los Angeles, Friday, Feb. 21, from 8 a.m. to 5 p.m.

Theme of the one-day program is "Systems Reliability and Effectiveness" and papers will cover such topics as Systems Reliability, Modeling, Systems Effectiveness, Cost Effectiveness, Systems Availability, Systems Maintainability and Systems Safety.

Keynote speaker will be Charles O. Miller, director, Bureau of Aviation Safety, Washington, D.C. Luncheon speaker will be Gen. L. L. Wilson, Jr., vice commander, SAMSO, who will be introduced by J. W. Young, A&SG vice president, Quality and Logistics.

Pre-registration fee is $15.00 and includes luncheon and proceedings. Further information and pre-registration is available by contacting the Symposium Chairman, Ralph L. Schonau, Autonetics division, Casnet 252-5313.

Speakers Needed to Give Talks on Lunar Landing

The success of Apollo 8 has resulted in an unprecedented deluge of requests for talks on the Lunar Landing Program. The division Speaker's Bureau, administered by Public Relations, this week issued a call for Space Division employees interested in presenting such talks.

Interested employees should contact Gordon Gray, Ext. 5335 or 5411. Speakers selected will be given a basic briefing on a talk entitled "Apollo-Up To Date" and, when used to fill an engagement, will be provided the necessary slides and film to accomplish the task properly.

Before contacting Public Relations, would-be speakers are asked to obtain the permission of their immediate supervision. Many of the talks are of the luncheon club variety and would require some absence from work during the noon period.

Five Division Employees Named to College Advisory Committee

Five division employees, all members of the Youth Incentive Through Motivation (YITM) organization, have been named to the Cerritos College district Mexican-American advisory committee.

Committee members include Ernestine Hernandez and Joseph Gomez of Laboratories and Test; Manual Alvarez of AAP Engineering; Ted Garcia, Saturn S-II Engineering, and Robert Loya, Apollo Engneering. Also on the committee is Anthony Moreno of Autonetics.

The company employees played a major role in the establishment of the committee. Goal of the group is to aid the college staff in communicating to Spanish-speaking residents of the district the many opportunities provided by Cerritos, and to aid the staff in devising means of serving residents.

YITM is an organization of Mexican-American professional people who are devoted to assisting youngsters, primarily those of Mexican descent. The organization has been actively involved in working with high school students throughout the Cerritos College disrtict.

Dress Rehearsal . . .

(Continued from Page 1, Column 3)

burn of the service module propulsion engine will put the combined craft into an orbit of about 131 by 151 miles. This will be followed by two firings of the third stage engine, the second of which will power the S-IVB to Earth-escape velocity.

Three spacecraft service propulsion engine burns are planned during the second day of the flight to obtain proper rendezvous conditions later in the mission. Apollo 9 will be in an elliptical 130 by 311-mile orbit after the third firing.

McDivitt and Schweickart will enter the lunar module on the third day of the flight, power up the craft and conduct a three-hour check of its systems while it is still docked with the command/service modules. After the systems evaluation, the lunar module's descent propulsion system will be fired for about 367 seconds to test attitude control capability and manual throttling of the engine.

The two astronauts will power down the lunar module and return to the command module. The service module's engine then will be fired to put the craft into a circular orbit about 153 miles above the Earth.

On the fourth day, McDivitt and Schweickart will reenter the lunar module and prepare for an extra-vehicular return to the command module. Schweickart will don the extra-vehicular maneuvering unit and perform about a two-hour space walk.

The EVA will include transfers between the lunar and command modules, collection of thermal samples, evaluations of EVA lighting provisions and the maneuvering unit, and selected photography and television operations.

Evening Classes in Business to Begin on Feb. 3 at Downey

A series of evening courses in selected business subjects will be presented at the Downey facility by Cerritos College beginning in early February.

Manpower Development said the courses will begin Feb. 3 and will be presented in Bldg. 5 from 5:30 p.m. to either 7:30 or 8:30 p.m. Included in the course schedule are Fundamentals of Accounting, Fundamentals of Business, Business Law, Business Mathematics, Personal Finance, Fundamentals of Data Processing, Personnel Relations, Managerial Office Systems, and Human Relations in Business.

The courses lead to certificate/degree programs in the specialty fields of management and supervision, accounting, business administration, secretary, administrative secretary, and business administration.

All courses will earn credit towards an associate in arts degree and various certificates of proficiency offered by Cerritos College. In addition, credits earned may be transferred to other junior colleges in California for application to AA degree requirements.

Cost to students will be for text, supplies, and a student body registration fee of $3. Full information may be obtained by calling Barbara Martin or Jack Rush on Downey Ext. 3078-9.

Spring Semester Registration Open for Computer Program

Spring semester registrations are being accepted in the company-sponsored Scientific Digital Computer Design-Programming Certificate Program, Harold Hill, manager of Manpower Development, announced this week.

Presentation of all courses in the program is dependent on having sufficient enrollment, said Hill.

Courses planned at Compton College are Digital Computer Concepts, Digital Mathematics, Digital Computer Design Techniques, Basic Transistors, Transistor Circuit Analysis, and Scientific Programming Systems.

Registrations will be accepted in the college gymnasium, 1111 E. Artesia, Compton, from 6 to 8 p.m. Feb. 3, 4 and 5. Telephone at the college is 635-8081.

Registrations for the course on Introduction to Computer Logic for Computer Maintenance and Repair will be accepted daily beginning Feb. 3 at El Camino College, Artesia and Crenshaw in Torrance.

Interested persons may preenroll by calling Manpower Development, Downey Ext. 1165-6. Full information on the Certificate Program and other courses may be obtained by calling Art D'Braunstein at the same extensions.

FEDERAL W-2 TAX FORM TO BE MAILED SOON

The 1968 Annual Wage and Tax statements — Federal Form W-2 — will be mailed to employees within the next few days. Any employee not receiving his 1968 W-2 Form by Feb. 15 should contact his division Payroll department and request issuance of a duplicate.

Ralph McCleary Receives New Appointment

Ralph McCleary's appointment as Advanced Programs Manufacturing representative has been announced by John Healey, vice president of Manufacturing and Facilities.

A 26-year company veteran, McCleary served as assistant to the vice-president of Manufacturing and Facilities for almost six years before assuming his new duties. He has been in manufacturing-connected assignments throughout his company career, with the exception of working in Engineering for two years on the B-70 program at the Los Angeles Division.

McCleary will be responsible for providing interface between Manufacturing and Advanced Programs on Manufacturing capability and requirements relating to the advanced design of division products.

Executives Honored . . .

(Continued from Page 1, Column 5)

complishments of the mission of NASA. (Bergen received the same award for his contributions to the Gemini program.)

Among the special guests at the ceremonies were astronauts Frank Borman, James Lovell and William Anders, the crew of the Apollo 8 spacecraft. Apollo 8 was launched on its historic 537,000-mile journey to the moon from Cape Kennedy on Dec. 21, orbited the moon 10 times on Dec. 24, and accomplished a pinpoint landing in the Pacific Ocean on Dec. 27.

MTF CHAMPS—Dick Werth, right, and Harry Knapton, center, members of division "Has Beens" bowling team, are congratulated by Bill Anderson on their team's victory in Mississippi Test Facility Recreation Assn.-sponsored bowling league Championship Roll Off. Division's Bill Anderson is MTFRA officer.

Ken Holland Earns Eagle Scout Rank

Kenneth Holland, the son of Space Division's Tom Holland, has earned the rank of Eagle Scout.

Tom is a computer room engineer in Apollo Test Operations. In addition to the Eagle award, young Ken recently was elected chief of the Downey Council of the Order of the Arrow and to the honorary society of the Boy Scouts.

SPACE DIVISION Skywriter

J. S. Elliott
Editor, *Skywriter*
Judy R. Brown
Assistant Editor

Space Division
Tony Longo, Ext. 6468

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JUNIOR ACHIEVERS — Division President William Bergen buys first stock certificate in Grafco, Junior Achievement company sponsored by the Division. Capital raised through stock sales financed the production of Noel candles. From left, are Jane Wimmer, Grafco secretary; Don Armbruster, president of Grafco, Bergen, Clint Randolph, treasurer of JA Company.

Reservations for Exec. Night Now Available

Reservations for the annual Executive Night, sponsored by the Stellar Chapter, National Secretaries Assn., will be available through Jan. 29.

Open to all division secretaries and their bosses, the event will be held at the Los Coyotes Country Club in Buena Park on Feb. 17. Theme this year is "Executives in Review."

Highlight of the night will be the announcement of Stellar Chapter's "Boss of the Year" award recipient. Reservation information may be obtained by calling Avis Brown, Downey Ext. 3737 or 3115.

5.5% DIVIDENDS PAID ON SHARES

The board of directors of NAA Employees Federal Credit Union has announced that a dividend of 5½ percent per annum was declared on share balances as of Dec. 31, 1968. This semiannual dividend was in excess of $650,000 and was distributed to members' share accounts as of Jan. 1, 1969.

The board of directors also approved the adoption of a quarterly dividend program starting in 1969.

The credit union members are reminded that the quarterly statements, which are now being mailed, will show the total amount of dividends applied to their accounts in 1968.

EKG Is a Record, Not Cure for Ailments of The Heart

by
Richard H. Morrison, M.D.
Space Division Medical Director

One of the ironies of modern medicine is that we sometimes know more about the treatment of a problem than about diagnosing it with certainty. This is doubly unfortunate when it leads the public to view the diagnostic method with unwarranted suspicion.

I'm concerned that such suspicion may have arisen around one of our most useful diagnostic tools — the electrocardiogram.

The electrocardiogram is the most effective means known to medicine for diagnosing heart trouble. EKG (or ECG) has become virtually a household word in the last decade, and perhaps eight of ten laymen know what the EKG is.

The EKG is nothing more or less than a laboratory test — a graphic record of the electrical impulses associated with the heartbeat. Since these impulses are affected by abnormal conditions of the heart, the tracing reflects those abnormalities.

Properly interpreted, an EKG can tell the doctor a great deal about an individual's heart. For example, if the heart muscle is not receiving a sufficient supply of blood — hence, oxygen — the EKG can indicate it; if the heart has been damaged by an attack in the past, the EKG can reveal it.

But not invariably. Like any test, the EKG is not infallible.

It's possible for a person with coronary insufficiency or one who has had a heart attack to have a normal EKG. Conversely, an individual with a perfectly healthy heart may have an EKG showing abnormalities.

This is why the EKG must be interpreted in conjunction with other clinical findings: the patient's medical history, cholesterol level, thyroid function, etc. Even then, the doctor cannot say with certainty that the person is not vulnerable to heart attack.

Classified Advertising

FOR SALE

AUTOS

'66 Cadillac Coupe de Ville, air, full power, 17,000 miles, $3,900. Call R. Sprague, 647-5730, days.
'67 Jaguar, Yel./Blk, 865-0016.
'62 Porsche "S" Cpe., $2500, 213/866-5495.
'67 VW Fastback, AM/FM Radio, $1775, 213/323-8089.
'64 Triumph, 714/JE 7-3845.
'67 Datsun, 2000 Rdstr., 336-2436.
'62 Falcon, 6 cyl., 213/428-3052.
'62 Galaxie 500XL Convert., $375, 544-8326.
'57 Ford Wagon, $150, 213/423-0512.
'61 Comet Sta. Wag., 213/861-6484.
'63 T-Bird Landau, $1200, 635-0406.
'65 Fairlane Ford R/H, W/W, 213/927-7178.
'62 Chev. II Sta. Wgn., $700, 714/549-1672.

FOR SALE

AUTOS

'66 Fairlane 500XL, 714/527-5252.
'59 Corvette, $125, 213/695-6119.
'63 Chevy Biscayne, $400, 635-7688.
'67 Corvair Conv., 213/923-2573.
'63 Dodge ½ Ton, $700,826-6692.
'67 Dodge Coronet RT, $2250, 322-2226.
'55 Plymouth, 6 cyl, 213/566-4689.
'56 De Soto, $125, 714/JE 4-2975.
'58 Opel, $239, 714/535-0511.
'67 Opel Rallye, R/H, Tach., 644-3873.
'58 Buick, A/C, 943-5792.
'64 Grand Prix, 213/634-7693.
'68 Tempest Safari, T.O.P., 536-6312.
'58 Ford truck cab over camper, $875. Costs (D), 644-6627.

MOTORCYCLES

'66 Triumph 650cc, 213/869-7463.
'68 Honda 160, 633-3226.

FOR SALE

HOMES

3 br., 2 bath, North Downey, 213/927-9630.
Horse Ranch, GI, $21,000, 213/336-2436.

BOATS

23' Cabin Cruiser, 714/772-3411.
S.K. Boat, Olds Engine, $3200, 376-8153.

PETS

AKC Dalmatian Pups, M/F, 442-5457.
Siamese Cat, $20, 425-3021.
AKC Male Poodle, $35, 892-9437.
AKC Silky Terrier Pups, 213/596-3897.
Geese, gray Toulose, best offer. Costa 644-6627.

MISCELLANEOUS

Bike, Boy's 24" Sting Ray, 370-5136.
Telescope, 8" Reflector, 213/867-8076.
Tape Recorder, Portable Mercury, 213/421-2935.
Bike, Schwinn, 3 spd., 861-1028.
Bike, Boy's/Girl's 20", 564-8583.
Tires, Used, 8x14, 213/427-5262.
Snow Tires, 2, 750x14, $35, 714/944-5793.
Chest Freezer, $100, 838-1816.
Tape, tuner, Amp. stereo system, 523-1942.
Massage Chair, Niagara Cyclo, $350, 213/862-5489.
Camera, 35 mm Yashica L5000 telewide angles lenses $50. 790-2143.
Schwinn Girls Bike, 26", 714-544-7517.
Half-top for Scout, 714-968-4356.

WANTED TO BUY

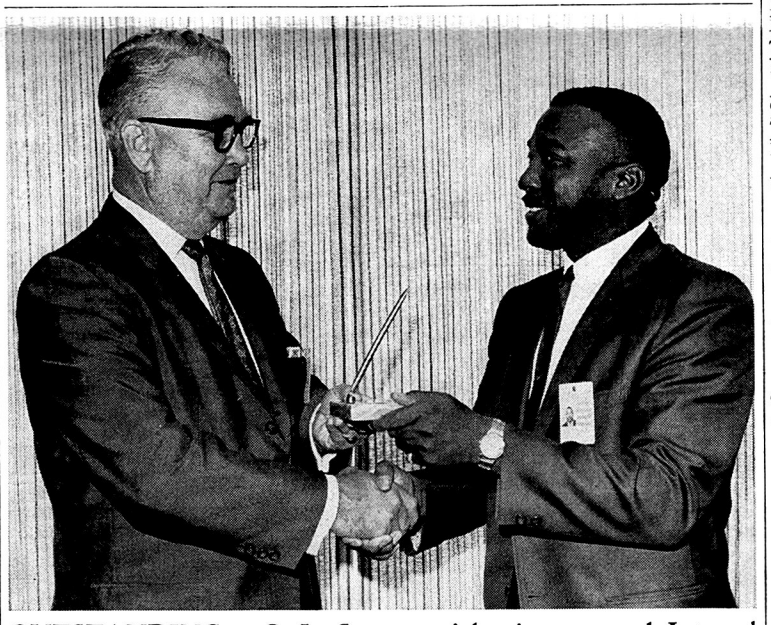
13' Boston Whaler & Motor, 714/828-2076.
Luggage Trailer, One Wheel, 213/633-4112.
Camper, 8' w/accessories, 327-1292.

ODDS AND ENDS

600 Electric Lift Gate, OX 6-4712.
Chrys, Crown Marine Eng, 714/772-3411.
Golf Clubs for Starters, 968-2867.
9'2" Ole Surfboard, JA 7-5055.
Child's Ski Boots, Size 4&6, 213/861-1028.
LOST, Gold-Jade Ring, Reward, 714/892-9834.

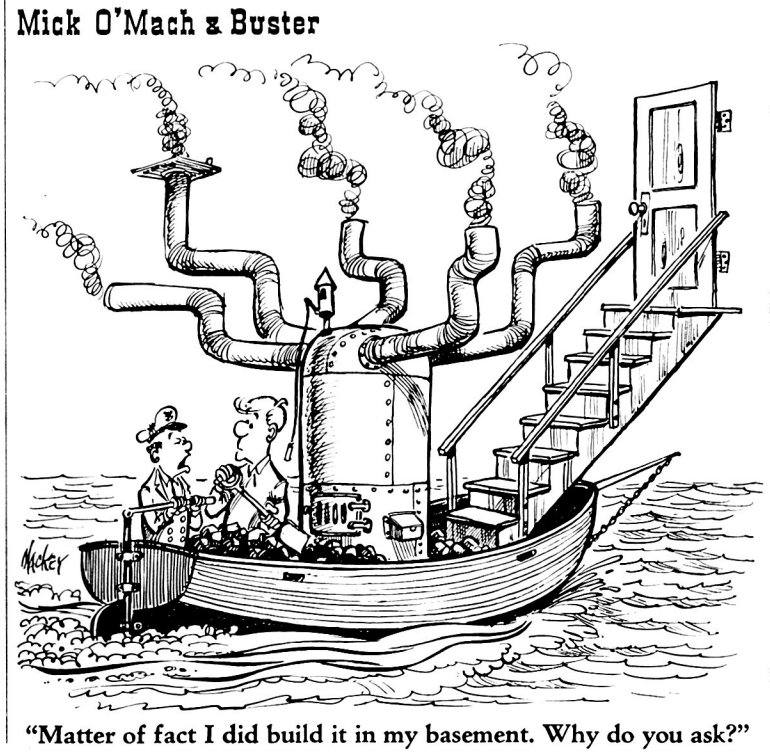
FOR RENT

House, Lakewood, Covered Patio, 213/826-8948.
3 br., 2 baths, 213/861-5050.
3 br., 2 bath, Covered Patio, 714/534-4118.
Cabin, Big Bear, $15/day, 430-3066.



OUTSTANDING — C. L. Stewart, right, is presented Internal Audit's quarterly PRIDE award by Manager Troy Smith. Stewart was commended for job professionalism and outstanding work.

Mick O'Mach & Buster



"Matter of fact I did build it in my basement. Why do you ask?"

Local Newspaper Features Bob Greer as 'Chef of the Week'

Bob Greer, vice president and Saturn S-II program manager, was featured last week in the "Chef of the Week" series published in the Long Beach *Independent Press-Telegram.*

The articles, written by Food Editor Mildred Flanary, are personality sketches on Long Beach-area residents. The story featured Greer's family as well as his military and division background, and his duties as S-II program manager.

Also noted in the article were Greer's hobbies, which vary from time to time. He is interested in refinishing furniture, is an avid reader, and enjoys fishing and golfing when he can find the time. One of his favorite recipies, when he dons the chef's attire, is chicken in wine, which was printed in the article.

Memory of Astronauts Will Live Many Years in Holland

"Personal" memories of the Apollo 8 astronauts will live on for many years in Holland.

A son, born to Mrs. Anne Hopmans in Holland on Dec. 24 was named William James Frank Noel Hopmans. As well as taking in Christmas, he bears the first names of Apollo 8 crewmen William Anders, James Lovell and Frank Borman.

PRIDE IN PERFORMANCE