NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
January 7, 1963

CAPE CANAVERAL, Fla. -- A Louisiana company has been given the job of installing and checking out an environmental controls system on NASA's Launch Complex 37.

Systems Engineering Corp. of New Orleans will perform the work at Pad B of the complex from which the Saturn rocket will be fired.

A contract for $67,332 was awarded by the Launch Operations Center's Procurement and Contracts Office for the work under a small business "set-aside."

Twenty-one small business firms were invited to bid on the work.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE

LOC-3-63

SA-4, S-IV EN ROUTE TO CAPE

CAPE CANAVERAL, Fla. - A complete Saturn space vehicle and the second stage of another are en route to Cape Canaveral, each coming by water from two different areas.

The complete Saturn C-1 left the Marshall Space Flight Center at Huntsville, Alabama, to begin the 2,200 mile trip to the Cape. Scheduled to arrive in about 11 days, the 162-foot-tall vehicle will be launched in the Spring.

A Saturn S-IV second stage was shipped from the Douglas Aircraft Company's Santa Monica, California, plant Saturday. It will travel to the Cape by commercial water transportation via the Panama Canal and is scheduled to arrive in about two weeks.

The S-IV will be coupled with a booster to be shipped later from Marshall to ground test the Launch Operations Center's Launch Complex 37.

The launch complex is nearing completion and will be checked out this Spring. The S-IV will be used in the checkout and is not intended for actual launch.

The S-IV, being developed by Douglas for Marshall, is 18 feet in diameter and is about 40 feet long.

Ground tests at Launch Complex 37 utilizing the S-IV will include assembly of the rocket on the new launch pedestal, checks of the propellant loading and other launch facilities, and checks of the vehicle itself.

The fully assembled Saturn - designated SA-4 - was put aboard the barge Promise for the Huntsville-to-Cape Canaveral journey. Its three forerunners made similar trips without major incident and were successfully launched from the Cape.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
January 18, 1963

LOC-4-63

SUSTAINED SUPERIOR PERFORMANCE

CAPE CANAVERAL, Fla. - Mason R. Comer, Jr., chief systems engineer on the National Aeronautics and Space Administration's Delta rocket program at the Atlantic Missile Range, has been given a Sustained Superior Performance award for his work on the program.

Comer, assigned to Goddard Space Flight Center's Field Project Branch at Cape Canaveral, was cited for his work from October, 1961, to October, 1962.

His citation reads, in part:

"The record of the Delta vehicle is the best index to the superior performance of Mr. Comer...The flight hardware that he has certified as qualified has functioned with unusual reliability in achieving a very outstanding rocket firing record."

The Delta has had 14 successes in 15 launches from the Cape.

Comer lives in Eau Gallie, Florida.

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BT
UNCLAS FROM M-LOD-SAI (MTODI). FOR: WX 1083 ATTN PAUL HANEY
THE FOLLOWING IS THE REQUESTED FACT SHEET ON THE NASA LAUNCH OPERATIONS DIRECTORATE:
THE "SHOOTING END" FOR THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AT CAPE CANAVERAL IS HANDLED BY THE LAUNCH OPERAT DIRECTORATE.
THE DIRECTORATE, PART OF THE GEORGE C MARSHALL SPACE FLIGHT CENTER, LAUNCHES OR SUPERVISES THE LAUNCHING OF NASA SPACE VEHI FROM BOTH THE ATLANTIC AND PACIFIC MISSILE RANGES. THE ONLY PROG NOT INCLUDED ARE THE MERCURY-ATLAS (SPACE TASK GROUP) AND DELTA
CFN NR 1083

PAGE TWO MTOR 135
(GODDARD SPACE FLIGHT CENTER).
DR KURT H DEBUS, WHO HAS PARTICIPATED IN MORE THAN 600 MISSILE LAUNCHINGS DURING HIS CAREER, IS LOD DIRECTOR. HIS DEPUT IS DR HANS F GRUENE.
THE LOD ORGANIZATION NOW NUMBERS 510 WITH AN ANTICIPATED INCREASE TO ABOUT 600 BY 1963. THE TOTAL NASA COMPLEMENT STATION AT THE ATLANTIC MISSILE RANGE IS 1,113 TO INCLUDE SPACE TASK GRO GODDARD AND THE NASA/JET PROPULSION LABORATORY.
THE LOD FISCAL 1962 BUDGET (A PART OF THE TOTAL MARSHALL BUDG PROVIDES 6.5 MILLION DOLLARS FOR SALARIES AND EXPENSES, 80 MILLI FOR CONSTRUCTION OF FACILITIES AND 19 MILLION FOR RESEARCH AND DEVELOPMENT. THE APPROXIMATE BUDGET FIGURES SUBMITTED BY LOD FOR FISCAL 1963 INCLUDE 9 MILLION FOR SALARIES AND EXPENSES, 8.5 MIL FOR SUPPORT OF PLANT, 17.2 MILLION FOR OTHER RESEARCH AND DEVELO AND 455 MILLION FOR CONSTRUCTION OF FACILITIES. (THE LATTER FIGURE INCLUDES APPROXIMATELY 246 MILLION DOLLARS FOR THE MANNED LUNAR LANDING PROGRAM.)
THE DIRECTORATE HAS LAUNCHED ALL THE MISSILES DEVELOPED BY DR WERNHER VON BRAUN ROCKET TEAM, DATING BACK TO THE FIRST BALLISTIC MISSILE LAUNCHING FROM THE CAPE, A REDSTONE IN AUGUST,
CFN 510 600 1963 1,113 1962 6.5 80 19 1963 9 8.5 17.2 455
246 1962

SINCE THAT TIME MORE THAN 100 MISSILES AND SPACE VEHICLES HAVE BEEN FIRED BY LOD, INCLUDING REDSTONES, JUPITER IRBM'S JUPITER-C SATELLITE LAUNCHERS, JUNO II'S, PERSHINGS AND THE ATLAS AGENA-B.

HIGHLIGHTS OF THE LOD PROGRAM INCLUDE THE LAUNCHINGS OF THE FIRST UNITED STATES SATELLITE, EXPLORER I; PIONEER IV, THE FIRST U. S. SOLAR SATELLITE AND THE MANNED REDSTONE FLIGHTS OF PROJECT MERCURY ASTRONAUTS ALAN B SHEPARD, JR. AND VIRGIL I GRISSOM.

THE LAUNCH OPERATIONS DIRECTORATE FUNCTIONS AS THE CENTRAL NASA GROUP AT THE ATLANTIC AND PACIFIC MISSILE RANGES FOR ALL MATTERS RELATING TO OVER-ALL VEHICLE LAUNCH OPERATIONS AND ACTS AS THE OFFICIAL NASA CONTACT WITH RANGE COMMANDERS AND THEIR STAFFS.

THE LOD ALSO IS CHARGED WITH LAUNCH OPERATIONS FOR THE 1.5 MILLION POUND THRUST SATURN SPACE BOOSTER AND THE LARGER MULTI-MILLION POUND THRUST SPACE VEHICLES REQUIRED FOR THE MANNED LUNAR LANDING PROGRAM. THE DIRECTORATE CONSOLIDATED MUCH OF THE PLANNING WHICH LED TO THE SELECTION OF A 73,000 ACRE TRACT NORTH AND WEST OF THE PRESENT CAPE CANAVERAL AS THE LAUNCH SITE FOR NEW HIGH THRUST BOOSTERS.

THE DIRECTORATE WAS KNOWN AS THE MISSILE FIRING LABORATORY OF THE DEFENSE OPERATIONS DIVISION OF THE ARMY BALLISTIC MISSILE AGENCY

CFH 100 1.5 73,000

UNTIL THAT ORGANIZATION WAS TRANSFERRED TO NASA IN JULY, 1960.

AT CAPE CANAVERAL, THE DIRECTORATE IS RESPONSIBLE FOR RECEIVING THE ROCKETS FROM HUNTSVILLE AND OTHER POINTS AND PERFORMING AN EXHAUSTIVE SERIES OF TESTS TO ASSURE PROPER OPERATION, FINAL COUNTDOWN, FUELING AND LAUNCHING.

THREE VERTICAL FIRING COMPLEXES PRESENTLY ARE ASSIGNED TO LOD. THESE ARE COMPLEX 26 (TWO REDSTONE PADS), 56 (TWO JUPITER-JUNO PADS) AND 34 (SATURN). COMPLEX 37 (TWO SATURN PADS) AND 36B (CENTAUR) ARE UNDER CONSTRUCTION. IN ADDITION, NASA AND THE AIR FORCE SYSTEMS COMMAND HAVE JOINT USAGE OF PADS 14 (MERCURY-ATLAS), 12 (ATLAS AGENA-B) AND 36A (CENTAUR).

THE LOD OCCUPIES THREE ASSEMBLY AND SHOP BUILDINGS, HANGARS R, D AND AE. AN ADDITIONAL ASSEMBLY BUILDING FOR SATURN IS UNDER CONSTRUCTION. HANGAR S, USED FOR MERCURY ASTRONAUT TRAINING AND SPACECRAFT PRE-LAUNCH CHECKOUT, AND THE MERCURY CONTROL CENTER ARE ASSIGNED TO NASA SPACE TASK GROUP.

KEY PERSONNEL IN THE DIRECTORATE, IN ADDITION TO DRS DEBUS AND GRUENE, INCLUDE:

ALBERT ZEILER, ASSISTANT DIRECTOR FOR FACILITIES, WHO ALSO IS CHIEF OF THE MECHANICAL STRUCTURES AND PROPELLANTS OFFICE; KARL

CFH 1960 26 56 34 37 36B 14 12 36A

SENDLER, ASSISTANT DIRECTOR FOR INSTRUMENTATION, WHO ALSO IS SERVING AS CHIEF OF THE ELECTRONIC ENGINEERING, MEASURING AND TRACKING OFFICE; C C PARKER, ASSISTANT DIRECTOR FOR OPERATIONS; JOHN F ROSENBERRY, CHIEF OF THE OFFICE OF FLIGHT MISSIONS; THEODOR A POPPEL, CHIEF OF THE LAUNCH FACILITIES AND SUPPORT EQUIPMENT OFFICE; AND COLONEL ASA B SIBBS, CHIEF OF THE NASA TEST SUPPORT OFFICE AT PATRICK AIR FORCE BASE.

SIGNED JOHN W KING.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: February 1, 1963, 2:00 p.m.

AGENA AND CENTAUR LAUNCH DIRECTION ASSIGNMENT

Launch responsibility for the National Aeronautics and Space Administration's Agena and Centaur space vehicle programs has been assigned to the Goddard Space Flight Center's Field Projects Branch at Cape Canaveral, Florida.

The launches will be conducted under the technical direction of the Agena and Centaur manager of the Lewis Research Center, Cleveland, Ohio.

The transfer of launch direction of the two projects from the Launch Operations Center to Goddard is in accord with a NASA decision announced last month by Associate Administrator Robert C. Seamans to define areas of responsibility between manned space flight and other NASA missions.

The Goddard Field Projects Branch, headed by Robert Gray, has been responsible for the launching of the highly successful Delta space vehicle at Cape Canaveral. The Delta has provided the boost for 14 successful missions in a row including the Tiros weather satellite, Telstar and Relay communications spacecraft and the Orbiting Solar Observatory.

Last December Dr. Seamans transferred overall project responsibility for the Agena program with its related Atlas and Thor boosters from the Marshall Space Flight Center, Huntsville, Alabama, to the Lewis Center. The Atlas-Centaur project was similarly transferred last October.

The transfer in launch responsibility permits the Launch Operations Center to concentrate its efforts on manned space flight programs, to include Saturn

and the preparation and management of the 87,000 acre Merritt Island Launch Area, launch site for the 7.5 million pound thrust Advanced Saturn booster that will launch a manned Apollo spacecraft to the moon.

The Agena, which provides 15,000 pounds of thrust and a restart capability atop the Atlas booster, has been used for NASA's lunar and planetary program -- the Ranger spacecraft to accomplish hard lunar landings and Mariner II which flew past the planet Venus last December.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: Friday PM's
February 8, 1963

CAPE CANAVERAL, Fla.,-- Dr. Kurt H. Debus, Director of the National Aeronautics and Space Administration's Launch Operations Center, today was named chairman of the annual Brevard County Payroll Savings Bond Drive by the U. S. Treasury Department.

Dr. Debus designated March 18-30 as the dates for the county-wide campaign to boost employee participation in the Payroll Savings Bond Plan. All companies and businesses in the area that participate in Payroll Savings are urged to actively join in the drive.

"Every patriotic citizen should be aware that the Payroll Savings Bond Plan is one of the best ways to insure a strong America because by buying U. S. Savings Bonds we battle the double economic ills of inflation and recession at the same time," Dr. Debus said. "It obviously adds up to personal savings, too."

"Never in our history could this be more important, because we Americans have committed ourselves to be first in defense and first in the exploration of space," he added. "Both of these achievements must be launched from a solid economic structure."

Dr. Debus said all companies in the county will be contacted over the next few weeks to organize for the March 18-30 drive.

(MORE)

"This will be the one savings bond drive in the area this year and I know we all want Brevard County to take the lead as it has in so many other civic and community activities," he said.

Dr. Debus heads the NASA center which is charged with launching the 1.5 million pound thrust Saturn rocket as well as management and development of the 87,000 acre Merritt Island Launch Area. This will be the launch site for the giant Saturn-Apollo space vehicle that will carry astronauts to the moon before the end of the decade.

The Debus team has participated in more than 120 missile and space vehicle launchings from Cape Canaveral since the first ballistic missile firing, a Redstone, in 1953.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: 4:00 PM EST, February 11, 1963

LOC 14-63

MARION TO BUILD NASA CRAWLER

The National Aeronautics and Space Administration today selected the Marion Power and Shovel Company of Marion, Ohio, to design and build a gigantic crawler-transporter vehicle which is to:

- - - Pick up a fully assembled Apollo lunar spacecraft mated to a three stage Saturn V launch vehicle, weighing 500,000 pounds, plus necessary launch equipment, towering 400 feet high and weighing some 12 million pounds;

- - - Haul it a little over two miles, all the while keeping it within about one-tenth of a degree of true level, and deposit it gently on the Merritt Island, Florida launch pad.

What's more, the crawler must be able to perform this feat in winds of at least 45 knots.

The crawler itself will weigh some 5.5 million pounds but it will be able to lift and carry more than twice its weight. The squat 130-foot long, 115-foot wide behemoth, only 20 feet tall, would cover the in-field of a major league baseball diamond.

The crawler is one of the key elements of planning for NASA's Launch Operations Center's Complex 39 from which manned lunar Apollo missions will be launched. The plans call for Apollo Saturn V to be assembled in a 520-foot tall vertical assembly building and transported via crawler to a launch pad for fueling, final tuning up and boarding by astronauts.

Apollo-Saturn V, which must reach a velocity of some 24,000 miles per hour to achieve a lunar mission, will travel its first few miles to the pad at a velocity of not more than one mile an hour. Top speed of the crawler will be two miles an hour.

NASA plans to buy two crawlers to serve the three or more pads that will be built at Complex 39. The vehicles will cost between $4 and $5 million each. The first should be undergoing test runs at the new NASA Merritt Island Launch Area by late 1964.

Here are some of the crawler's vital statistics:

Each of its four crawler trucks, measuring about 24 x 40 feet will feature a pair of steel link belts. There will be electric driving motors driving each of the eight link belts. The motor in turn will be powered by two 2800 horsepower diesel generators. The crawler will shoulder its load at each corner on a unique system of two hydraulic cylinders. The leveling system is to maintain the chassis within one-tenth of one degree of level at all times, even while climbing a five per cent grade.

It will be able to turn at the rate of ten degrees a minute and be operated from cabs at either end by two men.

The Company plans to build the major crawler components at its plant in Marion and transport them by rail to Merritt Island for final assembly.

The Marion Company was one of 22 companies attending a NASA briefing on the crawler request or proposals on December 17, 1962 at Cape Canaveral. Bids were submitted by only two companies on January 15. NASA and Marion will negotiate a cost-plus-incentive-fee type contract.

The contract will be awarded and administered by the Launch Operations Center at Cape Canaveral.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
February 15, 1963

LOC-16-63

SIX CONTRACTS AWARDED BY NASA AND THE CORPS OF ENGINEERS

Two California firms are apparent low bidders in a joint venture proposal to construct primary utilities in NASA's Merritt Island Launch Area (MILA) for $4,454,580.

The two are Paul Hardeman Construction Co. of Stanton, California, and Morrison-Knutsen Co., Inc., Los Angeles. They are also to build NASA's ~~Vertical Assembly~~ Operation & Checkout Building on Merritt Island under another joint venture contract for $7.6 million announced several weeks ago.

Announcement of the apparent low bid on utilities construction was made by the Corps of Engineers who will administer the contract in behalf of NASA. It was the lowest of 11 submitted.

The contract will call for the utilities work to be completed by September 7, 1963. To be constructed are streets, a water distribution system, sewerage system, electrical circuits and a central heating plant, all to serve about 40 buildings which will make up the MILA's industrial complex.

The contractor will be required to schedule work so that it does not interfere with simultaneous construction of an $8 million Manned Spacecraft Operations and Checkout Building. Several buildings to house personnel and equipment will be included in the building program to insure no interference with the construction schedule of the MSC building.

Several other contracts for various work have been awarded by NASA's Launch Operations Center.

American Bosch Arma Corp., Garden City, N. Y., has been awarded a $96,637 contract to conduct a design feasibility study on "solid state circuits" in the Saturn V propellant transfer control system. A "solid state circuit" utilizes transistors, diodes etc. instead of electronic vacuum tubes.

The award is the first part of a two-phase study under which the government has an option to continue the study. If the option is exercised, the contract can be increased by $86,583 for a total of $183,490.

Phase I of the study is to be completed within six months. A six month completion period also is stipulated for Phase II, if the option is exercised.

Another contract awarded by LOC has gone to the Martin Construction Co. of Merritt Island. It is for $99,888 to construct a launch operation support building at Launch Complex 37. It is to be completed in May.

A $33,430 contract has gone to the C. A. Meyer Paving and Construction Co. of Orlando for a NASA parking lot at Cape Canaveral.

Electronics Systems Division of Molecular Research Inc., West Palm Beach; has been awarded a $68,858 contract for a study of closed circuit television and operation intercommunications systems and development of design criteria for the systems.

The Corps of Engineers has announced the award of another NASA contract for $440,310 to the H. J. High Construction Co of Orlando which will build a one-story central telephone building at the MILA.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU [redacted], SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE

NASA LAUNCH OPERATIONS DIRECTORATE

CAPE CANAVERAL, Fla. -- The "shooting end" of the National Aeronautics and Space Administration is handled by the Launch Operations Directorate at Cape Canaveral, Florida.

The Directorate, a part of the George C. Marshall Space Flight Center, launches or supervises the launching of NASA space vehicles from both the Atlantic and Pacific Missile Ranges. The only programs not included are the Mercury Atlas (Manned Spacecraft Center) and Delta (Goddard Space Flight Center).

Dr. Kurt H. Debus is LOD Director. He has participated in more than 600 missile and space vehicle launchings in his remarkable career. His deputy is Dr. Hans F. Gruene.

The Directorate has launched all the missiles developed by Dr. Wernher von Braun's famed rocket team, dating back to the first ballistic missile launching from the Cape, a Redstone in August, 1953.

More than 110 missiles and space boosters have been fired by LOD at the Cape, including Redstones, Jupiter IRBMs, Jupiter-C satellite launchers, Juno II's, Pershings, Atlas Agenas and the giant Saturn.

Highlights of the LOD program are the launching of the first United States satellite, Explorer I; the first U. S. solar satellite, Pioneer IV; monkeys Able and Baker, the first animals launched into space and successfully recovered by the U. S.; the suborbital Mercury Redstone flights of Astronauts Alan B. Shepard, Jr. and Virgil I. Grissom and the completely successful first launching of the 1.5 million pound thrust Saturn booster.

Dr. Debus and his team are charged with launch operations for the powerful Saturn and the larger multi-million pound thrust space vehicles required for the Manned Lunar Landing Program. NASA has a mission of landing three astronauts on the moon in an Apollo spacecraft and returning them to earth before the end of the decade.

LOD consolidated much of the planning that led to the selection and acquisition of an 80,000 acre tract north and west of the present Cape Canaveral as the launch site for the new high thrust boosters required for the manned lunar landing program.

The Directorate was known as the Missile Firing Laboratory of the Army Ballistic Missile Agency until that organization was transferred to NASA in July, 1960.

At Cape Canaveral, the Directorate is responsible for receiving the rockets from Huntsville, the new NASA Michoud facility near New Orleans, and other points, and performing an exhaustive series of tests to assure proper operation, final countdown, fueling and launching. Most of the organization's employees are located at Canaveral permanently.

Teamwork is the keynote of the Directorate. The director and other key personnel constantly stress the "team effort" in the approach to their work.

Dr. Debus persistently declines to single out any member of the launch crew as "the man who pushed the button." He points out instead that each step in a long and complicated operation carries a significant responsibility, and the reliability with which these steps are performed by the team as a whole greatly determines success or failure.

Three launch complexes and associated electronic and optical tracking stations presently are assigned to LOD at the Cape. These are Complex 26 (two Redstone pads), 56 (two Jupiter-Juno pads) and 34 (Saturn). Complex 37 (two Saturn pads) and 36B (Centaur) are under construction. In addition, LOD and the Air Force Systems Command have joint usage of Pads 12 (Atlas Agena-B) and 36 (Centaur).

Key personnel in the Directorate, in addition to Drs. Debus and Gruene, include:

Albert Zeiler, assistant director for facilities, who also is chief of the Mechanical, Structural and Propulsion Office; Karl Sendler, assistant director for Instrumentation, who also is serving as chief of the Electronic Engineering, Measuring and Tracking Office; and C. C. Parker, assistant director for Administration and Services.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
March 16, 1963

COCOA BEACH, Fla. - More than 20 representatives of NASA will participate in the three-day American Institute of Aeronautics and Astronautics' Space Flight Testing Conference which begins Monday on Cocoa Beach.

Among the participants will be Walter C. Williams, Manned Spacecraft Center (MSC) Deputy Director for Mission Requirements and Flight Operations. He will be chairman of a technical discussion on "Experience with Manned Space Vehicle Test Operations." The session will be held at 9:00 a.m. Monday at the Starlight Auditorium.

Participating in the discussion also will be B. P. Brown, D. M. Corcoran and John J. Williams, all of the MSC Pre-flight Operations at Cape Canaveral.

Other participants from NASA's operations in the Cape area include G. Merritt Preston, director of MSC's Pre-flight Operations. He will be chairman of a discussion on "Space Test Operations" set for 2:00 p.m. Monday at the Starlite.

During the discussion, Col. Rocco A. Petrone, chief of the Launch Operations Center's Heavy Space Vehicles Systems Office, will talk on Apollo Launch Operations Plans.

Tuesday, Col. Clarence Bidgood, chief of LOC's Facilities Office, will speak on Advanced Saturn Checkout Facilities in the Merritt Island Launch Area.

(MORE)

Principal speaker at a banquet to be held at the Cape Colony Inn Tuesday at 7:30 p.m. will be Addison M. Rothrock, Associate Director for Space Flight Systems, Office of Plans and Programs, National Aeronautics and Space Administration Headquarters, Washington.

He will speak on "The National Space Program."

Still other NASA participants include:

John Bailey, MSC, Houston; Perry V. Row and Jack Fischell, NASA's J. B. Hammack, W. J. Kapryan Flight Research Center, Edwards AFB, California; J. W. Jackson and R. A. Chapman, Marshall Space Flight Center, Huntsville, Alabama; Walter E. Parson, Harold G. Johnson and Gary J. Woods, MSC Pre-flight Operations.

Don B. Sparks and James F. McGee, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California; J. P. Gorman, Goddard Space Flight Center, Greenbelt, Maryland; R. G. Kelly, NASA Headquarters, Washington.

Toastmaster for the banquet at which Rothrock will speak will be Kurt R. Stehling, Office of Plans and Programs, NASA Headquarters.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
March 19, 1963

CAPE CANAVERAL, Fla., -- The National Aeronautics and Space Administration Group Achievement Award was presented to the Atlantic Missile Range Operations Division of the NASA Manned Spacecraft Center in ceremonies at Cape Canaveral today.

The award, in recognition of the "expert preparation and checkout of the Project Mercury spacecraft flown in the first United States manned space flight missions" was presented by Walter C. Williams, Deputy Director of the Manned Spacecraft Center.

"This award is a reflection of what has been accomplished, the contribution to the technology of manned space flight, and the contribution to history," Williams said. "It is not an award that has been given freely and easily."

Accepting the citation, G. Merritt Preston, Manager of MSC Atlantic Missile Range Operations, expressed his appreciation for the combined efforts of the team that resulted in the award. He presented copies of the citation to the 250 MSC employees at Cape Canaveral.

Stressing the importance of joint effort, Preston recognized the contributions of others to the success of the Mercury project. In addition to the NASA Launch Operations Center, the Department of Defense, the Air Force Systems Command, the Air Force 6555th Test Wing, the Air Force Missile Test Center and its range contractors, Pan American World Airways and RCA; and the Weather Bureau, he expressed appreciation to McDonnell Aircraft, General

(MORE)

Dynamics Astronautics, General Electric, Burroughs, Rocketdyne, Federal Electric, and the Aerospace Corporation as major contributors to Project Mercury.

Closing his remarks, Preston presented a copy of the citation to Williams with an expression of appreciation for his guidance without which, he said, "the award could not have been possible."

Service awards were presented to 18 MSC employees during the ceremony. Twenty-year emblems and certificates were presented to Donald F. Rathburn, Walter E. Butler, and Carl E. Roth. A ten-year service emblem was presented to Harold D. Hampton.

Receiving one-year service pins were Thomas W. Wright, Clarence R. Lasure, Dolores Trovillion, Harold W. Lord, Russell G. Brooks, Harold E. Perry, Mildred L. Guice, George W. Little, Patti K. Konneker, David F. Perreten, Gilbert D. Marlowe, Robert W. Herring, Jr., Roelof L. Schuiling, and Keith V. Kelley.

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241 #3

National Aeronautics and Space Administration
Public Information Office
Launch Operations Center
Cocoa Beach, Florida

FOR RELEASE: IMMEDIATE
March 22, 1963

BIDS SOUGHT ON LAUNCHER-UMBILICAL-TOWERS

COCOA BEACH, Fla. - NASA's Launch Operations Center has issued invitations for bids on three launcher-umbilical-towers--huge structures which are an integral part of this country's manned Lunar Landing Program.

The bids are to be opened May 10 and a contract is expected to be awarded later that month. Seventy-five companies have been invited to submit bids.

The Launcher-umbilical-towers (LUTs) will be used in checking out and launching the Advanced Saturn rocket, which will be used in Project Apollo.

Designed to be moved to the launch pad with a fully-erected Advanced Saturn in an upright position, each LUT will weigh about 6 million pounds and will tower some 426 feet above ground level.

The LUT's base is 135 by 160 feet in size. The base of the tower portion will be 60 by 112 feet. At the top, the towers will be 40 feet square and each will be topped by a hammer-head crane.

All three LUTs are to be completed within 1 1/2 years of the date a contract is awarded.

No announcement of the government's estimated cost of the three LUTs was made.

The Advanced Saturn will be assembled vertically on the LUT in a Vertical Assembly Building at Launch Complex 39, to be constructed in NASA's Merritt Island Launch Area. Then, the

(MORE)

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Launch Operations Center
Public Information Office
Cocoa Beach, Florida

IMMEDIATE RELEASE
March 22, 1963

LOC-26-63

CENTAUR PROGRAM

A Centaur space vehicle is scheduled to arrive here Saturday where it will be mated to an Atlas launch vehicle to undergo an intensive ground test program to pave the way for future Centaur research and development flights.

Though both the Centaur and Atlas vehicles are flight equipped neither is currently scheduled to fly. Upon completion of the test series here both vehicles will be shipped to NASA's Lewis Research Center, Cleveland, Ohio, for a new test program.

Atlas and Centaur vehicles for the next flight scheduled sometime this year are now in production by the contractor General Dynamics/ Astronautics, San Diego, California. These vehicles are scheduled for delivery to the Cape in Mid-Summer.

Centaur which uses liquid hydrogen is being developed for NASA under the direction of the Lewis Research Center. Centaur is scheduled to soft-land the instrumented Surveyor spacecraft on the moon to conduct preliminary studies which will help pave the way for manned lunar landing later in this decade.

The test series at Cape Canaveral will proceed to a point just short of actual engine ignition to prepare the launch facility and crew for the flight program. The tests also will include propellant tankings with both vehicles.

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2A1 #4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: April 2, 1963
2:00 PM EST

LOC-29-63

NASA SIGNED CONTRACT WITH MCDONNELL FOR GEMINI SPACECRAFT

The National Aeronautics and Space Administration has signed a $456,600,000 prime contract for Project Gemini spacecraft with the McDonnell Aircraft Corporation of St. Louis, Missouri.

Development of the two manned Gemini spacecraft began at McDonnell in December 1961 under technical direction of the Manned Spacecraft Center with a preliminary letter contract which amounted to $145,000,000 and is included in the $456.6 million total. Manned Gemini missions, to begin in 1964, will develop docking and rendezvous techniques in space with a previously launched Agena vehicle in preparation for the Apollo lunar mission which will land U. S. Astronauts on the moon. Gemini also will provide experience in manned space flights for as long as two weeks.

Under the contract the firm will provide 13 flight-rated spacecraft. Twelve are to be used for space flights and the 13th is to undergo ground testing. McDonnell also will provide 16 Gemini-Titan II adapter modules and 9 Agena target vehicle docking adapters.

Other equipment to be furnished includes:

- Two mission simulator trainers, one to be located at Cape Canaveral, Florida and the other at MSC, Houston, Texas. Gemini Astronauts will "fly" complete simulated missions in the trainer spacecraft.

(MORE)

- One docking simulator trainer to be located at MSC, Houston, for astronaut docking maneuver practice.

- Five boiler plate spacecraft for parachute, ejection seat and landing impact tests.

- Three "static articles," spacecraft of flight-rated structure, for ground test evaluation of structural loading through vibration and impact test.

The contract also specified terms under which McDonnell is to assist in providing spacecraft prelaunch checkout, servicing, fueling, preflight spacecraft services, trainer maintenance, test programs, spare parts and mission engineering analysis.

McDonnell has approximately 1,500 subcontractors or direct suppliers.

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2A14#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 2, 1963

LOC-29-63

RESULTS OF SA-4 LAUNCH

Following are results of the SA-4 launch, March 28 (values given are approximations):

1. Engines functioned almost precisely as expected. Number 5 engine cut off at 100 seconds after liftoff. The other inboard engines cut off at 113 seconds, and the outboard engines at 120 seconds. Retro rockets fired as scheduled at 125 seconds.

2. Apex altitude was 80 statute miles. The vehicle impacted 232 statute miles down the Atlantic Missile Range. Velocity at final engine cutoff was 3650 miles per hour.

3. The quality of telemetry was excellent. Nearly 99% of data received from 610 flight measurements was usable.

4. Other special aspects of the mission - the test of accelerometers, Q Ball transducer, telemetry test recorder and radar altimeter - were carried out satisfactorily.

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2A1 #4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 3, 1963

LOC-30-63

COCOA BEACH, Fla. - - An Orlando Firm, J. Hilbert Sapp Inc. has submitted an apparent low bid to build a one-story communications repeater building and electrical system in NASA's Merritt Island Launch Area.

The company's bid of $534,796 was the lowest of nine submitted to the Corps of Engineers, which will administer the construction contract for NASA.

The building, of masonry construction, will be air conditioned and will be located on Highway A1A about three miles south of NASA's Industrial Complex on Merritt Island.

An underground electrical system and ducts for later installation of communications cables between the building to the Industrial Area are included in the contract.

The successful bidder is required to complete the project by September 30, 1963.

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2A1 #4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 5, 1963

LOC-32-63

COCOA BEACH, Fla. - Franchi Construction Co. Inc., Newton, Mass., has submitted an apparent low bid of $2,736,328 to build several test buildings in NASA's Merritt Island Launch Area.

The Franchi bid was the lowest of six submitted to the Corps of Engineers which will administer the construction contract for NASA.

The test buildings will be used in both the Gemini and Apollo spacecraft programs. To be constructed are a two-story environmental control building where spacecraft will be checked out before being put into orbit; a two-story hypergolic (fueling) test building; a one-story cryogenic (low temperature research) test building; and a one-story administrative support building.

The cryogenic test building will contain a single 40 by 40 foot-square test chamber, a monorail hoist and all utilities. The hypergolic test building will contain two 40 by 40 foot-square test chambers. The environmental control systems building will contain two test cells, each 60 feet high.

Blast walls of 18-inch reinforced concrete between the spacecraft test chambers and control panels are included in the specifications for the hypergolic test building to protect personnel from explosion hazards.

(MORE)

All the structures will be built in a remote section of the Merritt Island Launch Area.

The successful bidder will be required to complete the construction of the buildings by March 1, 1964.

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2A-#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 5, 1963

LOC-33-63

ARRIVAL - SATURN BOOSTER SA-5D

COCOA BEACH, Fla. - A Saturn booster which will be used to check out NASA's Launch Complex 37 is en route to Cape Canaveral today, on an 11-day journey by barge from North Alabama.

The booster - designated SA-5D - is being shipped to Canaveral from the Marshall Space Flight Center at Huntsville, Ala., where it has undergone dynamic tests. The booster is aboard the barge Promise.

Actual rocket propellants - RP-1, liquid oxygen and liquid hydrogen - will be used in a check of propellant loading equipment on Launch Complex 37.

Simulated manual and remote loading methods will be checked first. Then, NASA personnel will push a button and stand by to watch the entire loading sequence being performed automatically.

The dynamic test booster will be erected on Pad B of Launch Complex 37 as soon as it arrives at Canaveral about April 16. Initial tests are expected to begin April 22.

A Saturn second stage, shipped to Canaveral from California several weeks ago, also will be used in the "wet tests."

Neither of the stages will be flown.

After the tests the SA-5D will be shipped back to Marshall for further dynamic tests.

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2A1#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 9, 1963

LOC-34-63

BARNEY AWARDED SLOAN FELLOWSHIP

COCOA BEACH, Fla. - Walter F. Barney, an executive of NASA's Launch Operations Center, has been awarded an Alfred P. Sloan Fellowship for a year's study at the Massachusetts Institute of Technology.

Barney, chief of the Launch Operation Center's Program Coordination and Management Office, is one of 45 recipients from this country and abroad. He'll begin his studies in management in June.

Sloan Fellowships for participation in the study program are considered among the highest honors which can come to young men during their business careers. The recipients were selected by MIT from a group of exceptionally able executives who were nominated because they showed marked promise of growth for major executive responsibilities.

The year of study will consist of a program of special courses in economics and industrial management with senior members of the MIT faculty, supplemented by a program of field visits and management seminars in which the Sloan Fellows will have an opportunity to meet outstanding leaders in business and government.

Barney, 37, is a native of Washington, D. C. He was graduated from Georgia Institute of Technology in 1948 with a bachelor's degree in Mechanical Engineering and in 1949 with a Master of Science in Industrial Engineering.

(MORE)

A Navy veteran of World War II, Barney entered Federal service in 1950 at the Anniston, Ala., Army Ordnance Depot. In 1956 he transferred to the Army Ballistic Missile Agency at Redstone Arsenal, Ala. He joined the National Aeronautics and Space Administration in 1960.

A bachelor, Barney lives in Cocoa Beach at 906 Santa Cruz Road.

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2A1#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 18, 1963

LOC-36-63

DEANS AND FACULTY MEMBERS VISIT CAPE

Approximately 150 deans and faculty members of various national medical schools will visit NASA facilities at Cape Canaveral today and Friday, while attending the quarterly Bioastronautical Symposium.

The deans and professors represent medical schools affiliated with the Federal Council on Medical Education for National Defense (MEND).

The MEND medical symposia are conducted quarterly by the Navy, Air Force, Army and Public Health Service to educate members of our national medical schools and colleges so that they may better present subjects such as Bioastronautics to their students of medicine.

Two afternoons of tours and briefings are scheduled for the visiting educators, including the Saturn blockhouse, Hangar "S", Mercury Control Center and Complex 14. Briefings at these facilities will include Human Factors in Launch Control, Personal Equipment, Medical Monitoring and Space Launch.

The Bioastronautical Symposium currently being conducted in the Cape Canaveral - Patrick Air Force Base area, was initiated by the Surgeon General, Headquarters, USAF, and General B. A. Schriever, Air Force Systems Command.

The combined tour and briefings will be conducted with the deans and faculty members in groups of approximately 15 to 20. Tours will commence at 1:30 PM and conclude at approximately 4:30 PM.

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2A1#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 18, 1963

LOC-37-63

PROJECT MERCURY MEDICAL MONITOR BRIEFINGS

Project Mercury Medical Monitor briefings will be presented to 25 visiting military doctors at Cape Canaveral Friday by Dr. Charles H. Berry, Chief, Aerospace Medical Operations Office, NASA Manned Spacecraft Center, Houston. Center Medical Operations at the Cape will be the theme of Dr. Berry's presentation.

The Army, Air Force and Navy doctors are assigned to the National Aeronautics and Space Administration by their military services. Following an orientation briefing, the visiting doctors will receive an extensive tour of NASA Launch Operations Center and Manned Spacecraft Center facilities.

Dr. Berry will be joined in his presentations by Dr. Duane Catterson, Houston assistant, and by various MSC and USAF personnel. Special briefings will be given at the Space Medicine Lab, the Mercury Control Center, and the Bioastronautics Operational Support Unit.

Tours will include Hangar "S" Spacecraft Checkout Area, Space Medicine Lab, Mercury Control Center, Complex 14, Pads 34 and 37, Saturn Blockhouse, Pad and Gantry, the Forward Medical Station, and Bioastronautics Operational Support Unit. The tour will conclude with a general sightseeing tour of the remainder of the Cape.

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241 #4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 18, 1963

LOC-38-63

NASA GROUP ACHIEVEMENT AWARDS

COCOA BEACH, Fla. - Three members of the NASA Goddard Space Flight Center's Field Projects Branch at Cape Canaveral are among 60 GSFC personnel being honored today for their work on the Tiros weather satellites.

Robert Gray, Branch Chief; John Neilon, Deputy Branch Chief; and Don Sheppard, Space Engineer; are included in the GSFC personnel to recieve a NASA Group Achievement Award today.

Sheppard is in Greenbelt, Maryland, to accept the award in behalf of himself and his two co-workers in the Field Projects Branch. The award is being presented by Dr. Harry Goett, Director of the Goddard Space Flight Center.

The first Tiros satellite was launched on April 1, 1960.

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2A1#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
April 19, 1963

LOC-39-63

COCOA BEACH, Fla. - A Tampa firm is the apparent low bidder to provide almost 4 million cubic yards of hydraulic fill for NASA's Indian River causeway.

Gahagan Dredging Corp. submitted the lowest of six bids to the Corps of Engineers to fill the four-lane, 7 1/2-mile causeway from Orsino to Addison Point, two miles south of Indian River City.

The Gahagan proposal was for $819,000. Gahagan also provided fill for the Orsino-Cape Canaveral causeway, a 2 1/2-mile road across the Banana River from NASA's Merritt Island Launch Area to the Cape.

The successful bidder on the Indian River causeway will have 283 calendar days to complete the work.

Bids on paving and a bascule bridge over the Indian River channel are to be opened in July.

The Indian River causeway will join the Orsino-Cape causeway at Highway A1A on Merritt Island. When completed, the two causeways will provide a limited access route from the mainland to the Cape by way of the MILA.

In another action by the Corps of Engineers, acting as NASA's agent, a contract was awarded to the Franchi Construction Co., Newton, Mass., for the construction of a fluid test facility for the Manned Spacecraft Center.

The contract was for $2,736,328. The facility will be constructed in the MILA.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
May 10, 1963

COCOA BEACH, Fla. - Some 37 members of the Florida Legistature will tour Cape Canaveral Saturday as guests of NASA's Launch Operations Center and the Air Force Missile Test Center.

The delegation, headed by Senator Wilson Carraway, President of the State Senate; and Representative Mallory Horne, Speaker of the House of Representatives; is scheduled to arrive at Patrick Air Force Base at 9:30 am.

They will be met by Major General Leighton I. Davis, Commander, Air Force Missile Test Center, and Dr. Kurt H. Debus, Director, NASA Launch Operations Center.

The visit of the legislators will begin with general orientation briefings at Patrick Air Force Base. A luncheon for the visitors is scheduled at 11:35 am at the Patrick Air Force Base Officer's Club.

The Cape tour will include visits to Mercury Control Center, Goddard Space Flight Centers Field Projects Branch, Saturn Complex 37, Titan II Complex, Mercury-Atlas Complex 14 and the Minuteman Complex 31.

Briefings will be conducted at the Mercury Control Center, GSFC's Field Projects Branch, Complex 37 and Complex 31.

The delegation is scheduled to depart Cape Canaveral shortly after 4:00 pm.

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(NOTE TO NEWS MEDIA)

Buses for coverage of the tour are scheduled to leave the Carriage House at 12:45 pm. Transportation to cover the arrivals, briefings and luncheon at PAFB is left to the discretion of interested media representatives.

A brief press conference with Senator Carraway and Representative Horne is scheduled just prior to the departure for Tallahassee at the Skid Strip at Cape Canaveral.

The tour by Complex 14 is a "drive by" and there will be no stops for pictures or other detailed coverage.

The legislators will have already visited the Mercury Control Center when the press buses arrive at the Cape.

Photographic and/or tape recording equipment will be limited to that which can be hand held.

Anyone interested in covering the Cape aspects of the tour is asked to register with the Registration Desk, not later than 10:30 am Saturday, so that sufficient transportation can be scheduled.

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Legislators Invited on Tour

Senators:

Wilson Carraway - Tallahassee, Leon Co.
Verle A. Pope - St. Augustine, St. Johns Co.
Ralph J. Blank - W. Palm Beach, Palm Beach Co.
J. A. Boyd - Leesburg, Lake Co.
James E. Conner - Brooksville, Hernando Co.
A. J. Ryan, Jr. - Dania, Broward Co.
Tom Whitaker, Jr. - Tampa, Hillsborough Co.
Bernard Parrish - Titusville, Brevard Co.
Etter Usher - Chiefland, Levy Co.
C. W. (Bill) Young - North Pinellas Park, Pinellas Co.
Warren S. Henderson - Venice, Sarasota Co.
W. C. (Cliff) Herrell - Miami Springs, Dade Co.
John M. Spotswood - Key West, Monroe Co.
D. D. Covington, Jr. - Dade City, Dade Co.
L. P. (Pete) Gibson - Perry, Taylor Co.
John E. Mathrews Jr. - Jacksonville, Duval Co.
George L. Hollahan - So. Miami, Dade Co.

Represenatives:

Chesterfield Smith - Arcadia, DeSoto Co.
C. Fred Arrington - Havana, Gadsden Co.
John L. Ayres - Brooksville, Hernando Co.
John W. Hasson - Sarasota, Sarasota Co.
Richard O. Mitchell - Tallahassee, Leon Co.
Homer T. Putnal - Mayo, Lafayette Co.
A. J. Thomas, Jr. - Starke, Bradford Co.
James H. Wise - Crestview, Okaloosa Co.
George G. Stone - Walnut Hill, Escambia Co.
George Anderson - Monticello, Jefferson Co.
John J. Crews, Jr. - Maclenny, Baker Co.
Benn Hill Griffen, Jr. - Frostproof, Polk Co.
Federick B. Karl - Daytona Beach, Volusia Co.
W. Allen Markham - Okeechobee, Okeechobee Co.
Emmett S. Roberts - Belle Glade, Palm Beach Co.
George B. Stallings, Jr. - Jacksonville, Duval Co.
Ralph D. Turlington - Gainesville, Alachua Co.
James Pruitt - Eau Gallie, Brevard Co.
Lawton Childs, Jr. - Lakeland, Polk Co.
Mallory E. Horne - Tallahassee, Leon Co.

2A1 #4

GDW

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: Thursday, 1:00 PM
May 23, 1963

WASHINGTON, May 22 - The National Aeronautics and Space Administration today announced procurement plans to award contracts in four broad categories for support services at the Launch Operations Center's Merritt Island Launch Area (MILA), Fla.

The plans set up a basic pattern to seek competition from prime contractors for some 25 support functions in the areas of (1) Base Services (2) Launch Support Services (3) Administrative and Management Services and (4) Communications.

An extensive study concluded that such a system would assure the quality and timeliness of response required from service elements in support of the manned lunar landing program at the MILA.

The four prime contractors will be required to subcontract a substantial part of their operations to small business firms which have demonstrated a high capability in special fields.

The Base Services contract will include the functions of security police and guard service, transportation support, janitorial, employee medical service, fire protection and plant maintenance and operations and certain phases of supply support.

In the area of Launch Support Services the functions will include launch complex equipment operation support; propellant services; precision shops, high pressure gas converter and compressor operations; cryogenic equipment cleaning and spacecraft servicing facilities support.

- More -

The Administrative and Management Services contract will provide for certain photographic support operations, field printing plant operations, technical information services and administrative automatic data processing operations.

The Base Communications contract will provide an extensive MILA service to include planning, provision, maintenance and modification of both administrative and technical communications.

A pre-proposal conference on the Communications contract will be conducted by LOC at Cape Canaveral, Fla. on May 27. Thirty-four contractors have been invited to attend. The contract will be awarded by July 15.

LOC will seek competitive proposals for the other three prime contracts shortly after the start of the 1964 fiscal year.

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2A1#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
May 28, 1963

LOC-44-63

COCOA BEACH, Fla. - Problems with two connectors to an electrical amplifier in "Faith 7" forced Astronaut Gordon Cooper to manually fly his spacecraft back to earth.

The two connectors are located in the amp cal (amplifier calibrator) where electrical signals of various spacecraft sensors are converted into commands. These commands cause actuation of the hydrogen peroxide jet thrusters in the automatic control system to maintain proper spacecraft position in relation to the earth. The spacecraft sensors include the gyroscopes and infrared horizon scanners.

First, the appearance of the .05g panel light and later the failure of the AC power from the inverters signaled the problems to Astronaut Cooper.

Careful detailed post flight examination of the spacecraft circuits revealed the following facts:

The inverter trouble was traced to an electrical power connector, which among other functions, passes the AC output from the inverter bus (ASCS) into the amp cal. The insulating qualities of the connector had failed and permitted the AC power line to find a ground, causing a short circuit. The inverters will not operate in the event of such a malfunction in the circuits and the operating characteristics observed in flight were as expected for such an electrical fault. Post flight examination of the inverters showed them to be undamaged.

Corrosion was found in and around another electrical connector through which some of the .05g circuits passed. Presence of the corrosion indicated the possibility that moisture had collected in the area and resistance checks of the ground passing through the connector indicated changing resistance as though the systems were drying out. Later, tests with completely dried circuits and a new power connector showed satisfactory operation of the amp cal, including the .05g circuit. Introduction of small quantities of moisture into the plug resulted in actuation of the .05g circuit as it had done during flight. Thus, it is concluded from these tests that actuation of the .05g cirucit during the MA-9 mission probably resulted from the effects of moisture in the connector.

The inverter and the .05g troubles during the mission were traced to independent electrical connectors that failed at different times during the flight. There is no indication that the failures were connected other than the fact that electrical installation broke down in both cases.

Correction of these problems will include tighter control of moisture within the spacecraft and an increase in the protection of electrical connectors and other components from moisture.

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2A1 #4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
May 31, 1963

LOC-45-63

NASA FEDERAL CREDIT UNION

CAPE CANAVERAL, Fla. - A federal credit union for NASA employees in Florida will begin operation here Monday. Membership will be open to all NASA Civil Service employees working in Florida and immediate members of their families.

An interim board of directors met Monday and elected Samuel Mayo, Satellite Beach, president; Don C. Davidson, Titusville, vice president; Annie Taylor, Cocoa Beach, secretary; and Grogan A. Sewell, Merritt Island, treasurer. Herbert B. Myers, Cocoa Beach, was elected membership officer. Other board members are Leo Cote, Satellite Beach; Leon DuGoff, Merritt Island; Harry C. Shoaf, Melbourne Beach; and Hyman Rosenstein, Merritt Island. All are NASA employees.

Elected to the Credit Committee, the body which will approve loans, were William Darwin, Cocoa Beach, chairman; Conrad Hopton, Mims, secretary; and Arthur H. Moore, Titusville. Appointed by the board to the Credit Union's supervisory committee were Charles I. Longacre, Cocoa Beach; Lewis E. Melton, Melbourne; and Mr. Rosenstein.

R. E. Pontones has been named acting manager, and temporary offices have been established in a trailer in Hangar D at Cape Canaveral.

The NASA-MILA Federal Credit Union was recently chartered by the Bureau of Federal Credit Unions with 113 charter members.

(MORE)

The new organization becomes one of some 40 credit unions in central Florida. There are more than 570 in the state.

A credit union is composed of a group of people with a common bond (in this case employees of NASA) who band together to organize a non-profit and credit organization for service to employees. Credit union services include loans at low interest and savings dividends.

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3A1#4

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: Sunday, AM's
June 2, 1963

LOC-46-63

MINUTEMAN FLAG AWARD

COCOA BEACH, Fla. - The U. S. Treasury Department's coveted Minuteman flag for outstanding participation in the purchase of Savings Bonds will be presented to the Boeing Atlantic Test Center on Tuesday, June 4.

The Boeing personnel showed 97.25 per cent participation in the Savings Bond Drive conducted recently in Brevard County. The drive was headed by Dr. Kurt H. Debus, director of NASA's Launch Operations Center.

Douglas Graves, head of the Boeing operation here, will accept the Minuteman flag and raise it in ceremonies scheduled for 2:00 PM at the Boeing Building on North Atlantic Avenue, Cocoa Beach.

The flag will be presented by Michael J. Mainguth, area manager, U. S. Treasury Department Savings Bonds Division, Tampa.

This will be the third presentation of a Minuteman flag since World War II in Florida. Last year similar flags were given to the Martin Co.'s Cocoa and Orlando Divisions. Thus two of the three treasury flags awarded to Florida based companies will fly within a few hundred yards of each other in Brevard County.

Boeing's participation in the Savings Bond Drive was the highest of 45 aerospace divisions on Cocoa Beach asked to join in the drive.

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2A1 #5

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: Tuesday, P.M.
June 4, 1963

LOC-49-63

PRESIDENT OF INDIA TO TOUR CAPE

COCOA BEACH, Fla. - The President of the Republic of India, Dr. Sarvepalli Radhakrishnan, will tour the National Aeronautics and Space Administration facilities at Cape Canaveral Thursday.

He will be accompanied by the Indian Minister of External Affairs, Madame Lakshmi N. Menon; the Ambassador of India, B. K. Nehru; and 10 members of the Presidential staff.

Dr. Radhakrishnan and his party are scheduled to arrive at Patrick Air Force Base at 7:15 p.m. Wednesday. The President will be greeted by Dr. Kurt H. Debus, Director of NASA's Launch Operations Center; and Brig. Gen. H. J. Sands, Vice-Commander of the Air Force Missile Test Center.

A reception and dinner for Dr. Radhakrishnan will be held at the Cape Colony Inn beginning at 8:30 p.m.

The tour of NASA facilities at Cape Canaveral will begin at 8:40 a.m. Thursday. Dr. Radhakrishnan is scheduled to visit Complex 17 for a briefing on the Delta launch vehicle as his first stop.

En route to Launch Complex 37, the party will drive through Pad 14 where Astronaut Gordon Cooper and his predecessors began their Project Mercury flights.

At Complex 37 the President will be briefed on the Manned Lunar Landing Program and on the Saturn booster. Lt. Col. Rocco A. Petrone, Assistant LOC Director for Plans and Project Management, is scheduled to conduct the briefings.

MORE

A briefing on the Tiros weather satellite will be given Dr. Radhakrishnan at the Goddard Space Flight Center's Field Project's Branch Office.

Final stop on the tour will be Hangar S, where the presidential party will get a briefing on Project Mercury.

Dr. Radhakrishnan is scheduled to depart PAFB at 12:40 p.m. en route to New York.

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2A1#5

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
June 12, 1963

LOC-50-63

HOLMES RETURNS TO INDUSTRY AS MERCURY CONCLUDED

The National Aeronautics and Space Administration announced today that the Mercury Atlas-9 flight of Astronaut Gordon Cooper concludes the Mercury series of space flights.

The Atlas boosters and Mercury spacecraft which were acquired for the back up of Mercury Atlas-9 will be utilized to forward other NASA programs.

The personnel of the Mercury team will be utilized to strengthen the Gemini, Apollo and other NASA programs.

In the realignment of the NASA manned flight programs, the Office of Manned Space Flight, as well as the NASA Centers responsible for parts of the program, will be realigned to permit Mr. Brainerd Holmes, Director of the Office of Manned Space Flight, to return to a position in industry within the period of two years, which was understood to constitute his obligation for government service at the time of his appointment.

With respect to the programs in Space Sciences, Advanced Research and Technology and Applications, the filling of the position of Deputy Associate Administrator for Management of NASA Centers responsible in these areas which was created earlier in the year by the resignation of Mr. Thomas Dixon, will be announced within the next week or two.

The appointment will permit Dr. Robert Seamans, Associate Administrator and General Manager to devote a large share of his time in the period of realignment and readjustment ahead to the establishment of conditions and arrangements necessary to press forward most vigorously and efficiently with

More

the Gemini and Apollo programs, and to properly relate these to all the requirements and opportunities inherent in the Gemini and other manned space flight agreements between NASA and the Department of Defense.

The appointment of Mr. Robert H. Charles as Special Assistant to the Administrator announced today will add strength in the area of Procurement and Industrial Contracts, as the necessary readjustments are made in the NASA industrial contractor team, through which 90% of manned space flight work is done.

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2A1#5

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
June 12, 1963

LOC-51-63

CHARLES NAMED ASSISTANT TO NASA ADMINISTRATOR

The appointment of Robert H. Charles of St. Louis, Missouri, as Special Assistant to the Administrator was announced today by the National Aeronautics and Space Administration. He has served as a Consultant to the Administrator since September 1962 primarily in an evaluation of the Space Agency's Procurement concept and practices.

Mr. Charles' principal assignment in his new capacity will be to support NASA's continuing effort to achieve outstanding performance from its contractors. He will work closely with the Deputy Associate Administrator for Industry Affairs in the development and negotiation of NASA-Industrial contractual relationships.

Mr. Charles, who is 49, was graduated from Yale College in 1935 and from Yale Law School in 1938. He practiced law for several years and then became associated with McDonnell Aircraft Corporation of St. Louis where he served in various capacities including that of Executive Vice President until February 1960. He is married and has five children.

2A1+5

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
June 18, 1963

LOC-52-63

NASA-MILA FEDERAL CREDIT UNION

COCOA BEACH, Fla. - The NASA-MILA (Merritt Island Launch Area) Federal Credit Union opened its Cape Canaveral doors last week and took in more than $3,000 in deposits during its first five days of operation.

Added to the initial deposits from the Credit Union's 113 charter members, the total figure was approximately $3,800 at the close of business Friday.

In addition to the deposits, two loan applications were submitted during the week and one was approved Friday.

Cashier Sandy Arnette of Cocoa Beach reported employee acceptance of the Credit Union was excellent.

"It's going over real well," she said. "We gained about 60 new members last week alone."

Credit Union President Sam Mayo of Eau Gallie said, "We're very pleased with the response. It's gone much better than we had anticipated."

Membership in the Federal Credit Union is open to all NASA employees based in Florida and immediate members of their families.

Membership fee is 25 cents and minimum deposit is $5.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: 1:00 PM EST
June 19, 1963

LOC-53-63

COCOA BEACH, Fla. - A contract for almost $2 million has been awarded by NASA's Launch Operations Center to a San Francisco engineering-construction firm for specialized services in support of launch facilities at both Cape Canaveral and the new Merritt Island Launch Area.

The one-year contract was awarded to Bechtel Corporation after an evaluation of 18 proposals submitted to LOC.

Bechtel will do precision work beyond the scope of routine maintenance, modification and installation.

Invitations to submit proposals were issued to 62 companies.

The contract contains two additional one year options to renew.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: AM's, August 7, 1963

LOC-62-63

COCOA BEACH, Fla. -- A joint-venture contract for almost $2.5 million was awarded Tuesday for the construction of some 14 miles of railroad track within the NASA Merritt Island Launch Area (MILA).

The contract, awarded for NASA by the Corps of Engineers, went to B. B. McCormick and Sons and Bailes-Sey, both of Jacksonville Beach, Fla. The dollar value of the contract was $2,444,449.99.

Under the contract, the two firms will build one spur track from the vicinity of the Wilson community on Merritt Island to the Launch Operations Center's MILA Industrial Area and another to the Vertical Assembly Building at Launch Complex 39.

The spur track will connect with a rail line being constructed by the Florida East Coast Railway across the Indian River into MILA.

Terms of the contract call for the 14 miles of track to be constructed within six months.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 7, 1963

KSC-63-63

Cocoa Beach, Fla. - NASA's Launch Operations Center Exchange Council wants to hire a manager for its operations within the Merritt Island Launch Area.

Ralph Harkness, supervisor-treasurer of the Exchange Council, said the manager must have had specialized experience in large scale construction site vending machine and multi-location food services operations.

He must also be adept at supervision and administration of food services contracts; conduct qualitative analyses of the operation; maintain inventory sales and financial reports and records; carry out planning to improve operations and meet increased requirements.

The manager also should have extensive experience in dealing with construction workers and contractors and be qualified for a fidelity bond, and security clearance up to "Secret."

Harkness said applications for the job are being received until Aug. 25. Selection of manager will be made by Sept. 1. Salary is open, employment will be by written contract and early phases of the position will be on a part-time basis until July 1, 1964.

Applications should be mailed to:

Ralph Harkness
Supervisor-Treasurer
NASA Exchange Council-MILA
Launch Operations Center
Cocoa Beach, Florida

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 7, 1963

LOC-63-64

A complete organization structure has been approved by Director Dr. Kurt H. Debus.

The newly approved organizational elements implement the "first level" structure approved April 24th by NASA Deputy Director Dr. Hugh L. Dryden.

This is the first time LOC has had a firm organizational structure on which to build.

Dr. Debus said "I consider this a major step forward in further establishing the functional responsibilities of each organizational element."

Dr. Debus' approval constitutes a detailed implementation of the basic LOC organizational structure approved in April, and serves to further identify the division of responsibilities between the major organizations previously approved by NASA headquarters.

Under the organizational plan approved last April, staff offices reporting to the Director included Technical Staff, Test Support Office, Public Affairs Office and Safety Office.

Major management and operating elements reporting to the Director include four assistant directors - for Launch Vehicle Operations, Plans and Projects Management, Administration and Instrumentation.

(MORE)

Also included in the major management and operating elements are the Base Operations Division, Launch Support Operations Division, Quality Assurance Office, Launch Support Equipment Engineering Division and Facilities Engineering and Construction Division.

One new organization has been added to the "first level" group - NASA Daytona Beach Operations.

This office will serve as the NASA representative at the General Electric Apollo Support plant site, and will coordinate technical and contractual operations between GE and NASA.

Periodic changes to the overall organization structure are expected. Such changes should be processed and coordinated with LOC procedure 3-7. NASA headquarters approves all first level changes, and Dr. Debus approves any changes other than first level.

At the lower levels of the organization, the functional breakdown is:

NASA Daytona Beach Operation - Control and Reliability Assessment, Programming and Production Control and Administrative Services.

Test Support - Plans, Policies and Procedures, and Administration.

Public Affairs Office - Protocol, Public Information and Community Development.

LOC's Safety Office - Flight Safety Engineering, Explosives Safety Engineering and Industrial Safety Engineering.

Assistant Director for Plans and Projects Management - Plans, Schedules, Saturn I, Saturn V, Reliability, Special Projects, Resources and Program Support.

(MORE)

Assistant Director for Administration - Security, Chief Counsel, Management Analysis, Industrial Relations, Personnel, Procurement and Contracts, Technical Information, Supply Policy, Financial Management, Administrative Services and Traffic Management and Policy.

Assistant Director for Launch Vehicle Operations - Technical Planning and Liaison, Mechanical and Propulsion Systems, Electrical Engineering Guidance and Control Systems and Electronic Engineering and Instrumentation Systems.

Assistant Director for Instrumentation - Planning and Resources, Data Acquisition and Systems Analysis, Engineering Support and Radio Frequency and Telemetry.

Base Operations Division - Administrative, Plans and Programs, Transportation, Supply, Communications, Security Operation and Medical.

Launch Support Operations Division - Contract Surveillance, Administration and Planning, Launch Complex Operations, Technical Support, and Propellants and Ordnance Operations.

Quality Assurance Office - Administrative Support, Receiving Inspection and Technical Support.

Launch Support Equipment Engineering Division - Planning and Programming, AMR Installation and Launch Systems Reliability.

Facilities Engineering and Construction Division - Advanced Studies, Liaison, Administrative, Drafting and Drawing Files, Facilities Programming, Planning and Coordination and Master Planning and Real Estate.

Brochures listing all organizational elements and including supervisor names will soon be issued to all employees.

(MORE)

Spaceport News will also follow up periodically with articles on individual organizations.

The Personnel Office will initiate action to reassign all LOC employees to their newly created organizations.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 8, 1963

LOC-63-65

The National Aeronautics and Space Administration will soon ask for new proposals on the operation of its communications system in the Merritt Island Launch Area (MILA) near Cape Canaveral, in support of NASA's manned space flight program.

Earlier communications proposals were submitted by industrial concerns to cover both conventional business telephone service within MILA and operational circuits concerned with launch and test activities. Firms which submitted proposals were notified June 18 that their proposals were being held unopened pending a decision by NASA to resolve questions concerning the interconnection of the MILA system with the Southern Bell Telephone Co. operating as a common carrier under established tariffs.

The proposals received will be returned and a revised statement of work requirements will be issued in the near future. New submissions from interested companies will be required within 21 calendar days.

This agreement is in line with the services the telephone company normally provides all civilian agencies of the Federal government.

The new statement of work is based on a decision to have the conventional, business type telephone service and the dial telephone switching exchange within MILA installed, operated and maintained by the Southern Bell Telephone Co.

(MORE)

NASA will retain control of the technical operational circuits, including the Department of Defense's total communication requirements to connect range instrumentation sites within MILA with the Air Force Missile Test Center. Operation and maintenance of these circuits will be performed by the successful bidder.

NASA's Launch Operations Center will also retain installation and operational control of Southern Bell-owned telephone equipment in hazardous or inaccessible areas determined to be "operationally critical." In addition to the installation and maintenance of this equipment, the successful bidder will also be required to operate and maintain the complete cable distribution system and all other communications equipment.

In some respects, the scope of work will be broader than in the original request for proposals. For instance, communications companies now are being asked to submit proposals to include support for master planning for future expansion of the MILA communications system.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 14, 1963

LOC-66-63

CONTRACT AWARD

COCOA BEACH, Fla. - A $2 million contract was awarded today to a Merritt Island construction company to build a central telemetry facility and a cable storage and maintenance building in the NASA Launch Operations Center's Merritt Island Launch Area (MILA).

The contract - for $2,097,022 - was awarded to the Martin Construction Co. by the Corps of Engineers, acting as NASA's agent.

Terms of the contract call for the two buildings to be completed by May, 1964.

The central telemetry facility, a two-story, 25,000 square-foot structure, will be built on the west bank of the Banana River about four miles south of MILA's Industrial Area. The cable storage building, a one-story, 29,000 square-foot structure, will be within the Industrial Area.

The telemetry facility will be a part of the instrumentation provided on the Atlantic Missile Range by the Air Force Missile Test Center.

The Martin Company was one of three bidders who offered proposals on the two buildings.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 14, 1963

LOC-67-63

NEW NASA LOC FACILITIES DIRECTOR

Colonel Aldo H. Bagnulo has been appointed Director, Facilities and Engineering and Construction Division, NASA Launch Operations Center, effective August 22.

Colonel Bagnulo will assume the position now held by Colonel Clarence Bidgood, who after 28 years of service with the U.S. Army Corps of Engineers, will retire this fall. Colonel Bidgood has been on-loan to NASA from the Corp, since November 1961.

As Director of the Facilities Division, Colonel Bagnulo will have management responsibilities for design and construction of all NASA facilities at Merritt Island Launch Area and Cape Canaveral. He also will be concerned with land acquisition, development of new construction methods, and planning of future facilities.

Among projects to be administered by Bagnulo, are about 50 buildings in NASA's Industrial Area at Merritt Island and numerous facilities at Launch Complex 39.

The biggest task, in terms of sheer massiveness is the huge Vertical Assembly Building, where the Saturn V/Apollo will be prepared for manned flights to the moon.

As District Engineer of East Ocean District from 1955 to 1958, Colonel Bagnulo was responsible for projects ranging from the Arctic to the Azores.

(MORE)

Notable among these were the design and construction of the structural portion of the Ballistic Missile Early Warning Station at Thule, Greenland, and the U.S. scientific rocket launching site at Fort Churchill, Canada.

After first conducting feasibility studies, Bagnulo directed the design and building of structures on the Greenland ice cap to house radar stations - the only known permanent construction accomplished on any ice cap.

After receiving an engineering degree from the Massachusetts Institute of Technology - he worked his way through as a barber, and later gained a masters degree at M.I.T. - Bagnulo was awarded a commission in the Corp of Engineers, Regular Army, as a result of competitive professional examinations.

In 1939, he was transferred to the Caribbean and placed in charge of several successful major projects.

As Area Engineer at Antigua in 1940, because little fresh water was available, he used salt water in building concrete runways. This was probably the first extensive use of this technique.

During and after World War II, Colonel (at age 30) Bagnulo commanded an engineering regiment which saw combat and accomplished a wide variety of military construction tasks with the 7th Army in Europe. After transfer to the Pacific, his regiment continued construction duties in Okinawa and in Korea.

Colonel Bagnulo is married to the former Helen Montesinos, the daughter of a retired Colonel (US Army).

They live in Satellite Beach and have four sons, Michael, Robert, John, and Joseph. Michael 18, will enter V.M.I. next month.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 21, 1963

LOC-68-63

COCOA BEACH, Fla.--The King and Queen of Afghanistan are scheduled to visit National Aeronautics and Space Administration facilities at Cape Canaveral next month.

King Mohammed Zaher (Moh-hahm-med Zah-hehr) and Queen Homaira (Hoh-may-rah) will be hosted on their visit by Dr. Kurt H. Debus, director of NASA's Launch Operations Center.

Scheduled to visit Sept. 7-9, the king and queen will be accompanied by their daughter, Princess Bilquis (Bill-kees), members of the Afghan government, and United States officials.

Among the members of the Afghan government will be Ali Mohammed (Ah-lee Moh-hahm-med), Minister of Court; Abdullah Malikyar (Ahb-due-lah Mah-lik-yar), First Deputy Prime Minister; Dr. Abdul Majid (Ahb-dool Mah-jid), the Ambassador of Afghanistan; and others.

The American group accompanying the Afghan royal couple will include Angier Biddle Duke, Chief of Protocol of the United States.

During their visit the king and queen will be briefed on NASA activities at Cape Canaveral and will be briefed on the United States' space programs.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 21, 1963

LOC-69-63

CONTRACT AWARD

COCOA BEACH, Fla.--A contract for almost $5 million was awarded today to a Jacksonville construction company for a seven-mile roadway from the NASA Launch Operations Center's Merritt Island Launch Area (MILA) across the Indian River to Addison Point.

The contract--for $4,999,276.69--was awarded by the Corps of Engineers, acting as NASA's agent, to the Houdaille-Duval Co.

Terms of the contract call for the roadway to be completed by Sept., 1964.

The four-lane roadway will extend some 3.5 miles over the Indian River, and about the same distance into the MILA Industrial Area. It will terminate on the mainland at Addison Point on U. S. Highway 1, south of Indian River City.

Included in the contract is the construction of a twin, double-leaf bascule bridge over the channel of the Indian River.

The Jacksonville company, which holds a $2.3 million contract for similar work on the MILA causeway to Cape Canaveral over the Banana River, was one of four companies which bid on the project.

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2 Aug 63

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
August 21, 1963

LOC-70-63

COCOA BEACH, Fla.--The barge Promise docked at Cape Canaveral today with the booster of the Saturn 1 rocket which will be launched later this year for the first time with a "live" second stage.

The docking at 10 a.m. marked the end of a 2,000-mile journey by water from the National Aeronautics and Space Administration's Marshall Space Flight Center at Huntsville, Alabama.

To be launched from Complex 37, this will be the fifth flight of the largest rocket developed by the United States. It will carry a fuelled S-IV liquid hydrogen/liquid oxygen second stage, the first flight of a live second stage.

The launch also will be the first from the Launch Operations Center's Complex 37. Four previous firings have been from Launch Complex 34.

The 1.5 million-pound-thrust Saturn 1 will attempt to put into orbit some 33,000 pounds on its fifth flight and on its sixth will orbit a "boilerplate" version of the Apollo spacecraft designed to carry three American astronauts to the moon by 1970.

Saturn 1 is the forerunner of the Saturn V, the 7.5 million-pound-thrust rocket, which will make the lunar flight.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE

COCOA BEACH, Fla.--A full scale Area Wage Survey, to be conducted in this locality, was announced on Tuesday, September 24, 1963. This will be a joint effort by the National Aeronautics and Space Administration and the Army-Air Force Wage Board to establish prevailing rates for the crafts and trades in this area.

New pay schedules for local Federal Wage Board personnel, including those assigned to the Launch Operations Center, will be effected within 45 working days after the announcement.

The survey has no effect upon the salaries of Class Act employees who are paid under the General Schedule.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: Immediate
September 12, 1963

LOC-71-63

COCOA BEACH, Fla. -- Bids are scheduled to be opened within the next two months on an estimated $84 million worth of construction work in the NASA launch Operations Center's Merritt Island Launch Area (MILA).

The bids will be on such projects as Pad A, Launch Complex 39; construction of the huge Vertical Assembly Building (VAB) where Saturn V/ Apollo rockets will be assembled; a headquarters building for the Launch Operations Center; and bridge cranes for rocket assembly work within the VAB.

Proposals for general work on the VAB are scheduled to be opened in Jacksonville Nov. 19. Estimated cost of putting up the walls, doors and roof of the 52-story building is about $55 million.

Bids for construction of Pad A, Complex 39, are scheduled for opening on Oct. 23, also in Jacksonville. Construction of the concrete and steel, one-quarter square-mile, launch pad is expected to cost about $20 million. The 48-foot-high pad is destined to be the launch site for moon-bound American astronauts.

Launch Operations Center headquarters building proposals are scheduled to be opened Oct. 6 in Jacksonville. The building will be three stories tall and will contain about 320,000 square feet of space. The space will be used for administrative offices, a cafeteria, mail unit, reproduction, and engineering facilities. Estimated cost is $7 million.

MORE

Bids for three bridge cranes will be opened Sept. 19. Proposals are being sought on two cranes of 250-ton capacity and one of 175 tons. They are expected to cost about $2 million.

All bids will be opened by the U. S. Army Corps of Engineers, NASA's agent for construction of the Merritt Island Launch Area.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
October 3, 1963

COCOA BEACH, Fla.--Haile Selassie I, Emperor of Ethiopia, will visit facilities of the National Aeronautics and Space Administration at Cape Canaveral Sunday.

The Emperor, in this country on a state visit, is scheduled to arrive at Patrick Air Force Base at 5:15 p.m. Saturday. He will be greeted by Dr. Kurt H. Debus, Director of NASA's Launch Operations Center and Maj. Gen. Leighton I. Davis, commanding general of the Air Force Missile Test Center.

Saturday evening Dr. and Mrs. Debus and Gen. and Mrs. Davis will host a reception for the Emperor at the Patrick Air Force Base Officers Club.

The Emperor's tour of NASA/Cape facilities will begin at 8:30 a.m. Sunday. His Imperial Majesty will visit Complex 36 for a briefing on the Centaur launch vehicle; Hanger AE for a briefing by Goddard Space Flight Center personnel on scientific satellites; Hanger AF, for a briefing on Project Gemini; and Launch Complex 37, where he will be briefed on the Saturn rocket and this country's Manned Lunar Landing Program.

The Emperor is scheduled to be accompanied by a party of 10, including his granddaughter, Princess Ruth Desta.

The visitors are scheduled to leave Patrick AFB at 7:15 a.m. Monday en route to Ottawa, Canada.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: October 4, 1963
4:00 PM EST

LOC 74-63

THREE CONTRACTORS SELECTED FOR MILA COMMUNICATIONS NEGOTIATION

The National Aeronautics and Space Administration today announced the selection of three companies for negotiations leading to the selection of a contractor for the operation of a technical communications system within NASA's Merritt Island Launch Area (MILA).

This is the site now under construction where American astronauts will be launched in manned space flight missions including the Manned Lunar Landing Program.

The three firms are: Bendix Field Engineering Corporation, Owings Mills, Maryland; IT & T Federal Electric Corporation, Paramus, New Jersey; and the RCA Service Company, Camden, New Jersey.

The contract will be on a cost plus incentive fee basis for three years with provision for annual review. Cost over the three year period is expected to exceed $4 million dollars. Under the terms of the contract, the selected firms will install, operate and maintain technical operational circuits within MILA.

In addition, the contractor will be responsible for the operation of telephone equipment in hazardous or inexcessible areas determined to be operationally critical and under the immediate discipline and control of launching teams.

(MORE)

The contractor also will be asked to support master planning for further expansion of the MILA communications system.

A further responsibility will be the operation of a complete cable distribution system and all other communication equipment with the exception of conventional business telephone service and a dial telephone exchange. The latter will be installed, operated and maintained by Southern Bell Telephone Company.

The three firms were selected from a total of 14 companies which submitted proposals. Initially, 48 companies were provided with requests for proposals.

The MILA is operated by NASA's Launch Operations Center. It encompasses approximately 87,000 acres adjacent to Cape Canaveral. Ultimately, the MILA communications system will link a total industrial area of some 50 buildings, including Launch Complex 39, where the Saturn V will be launched.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
October 9, 1963

LOC-75-63

NASA ANNOUNCES REORGANIZATION

WASHINGTON, D. C.--Moves to improve even further a performance record that saw the success ration of NASA's space flights climb from 36 per cent to 83 per cent in its first five years were announced today by James E. Webb, Agency Administrator.

Organizational changes designed to meet the increasing demands of advanced space programs by strengthening lines of authority and responsibility between NASA Headquarters and its field installations become effective November 1.

The actions involve:

1. Consolidating authority and responsibility for both the management of major programs and director of the development and research centers primarily required to carry out these same programs.

2. Realigning certain Headquarters organizational elements responsible for Agency-wide supporting services.

Responsibility for overall management of NASA's major programs as well as the research and development centers will be assigned three officials. All will report to Dr. Robert Seamans, Associate Administrator - NASA's General Manager.

(MORE)

Under the organizational structure now in effect center directors receive project or mission management direction from one or more Headquarters program directors, while direction for general operation of the centers comes from the Associate Administrator - Dr. Seamans.

The new structure merges these lines of authority and responsibility so that each center director will have a single contact at Headquarters for all center matters. This will assure integration of both technical and management activities at a single point short of the General Manager. This will speed decision making.

Dr. George Mueller will be Associate Administrator for Manned Space Flight. He will direct this program and the management affairs of the three centers primarily involved in the Manned Space Flight Program - the George C. Marshall Space Flight Center, Huntsville, Alabama; the Manned Spacecraft Center, Houston, Texas; and the Launch Operations Center, Cape Canaveral, Florida. He is now Deputy Associate Administrator for Manned Space Flight Centers and Director of the Office of Manned Space Flight.

Dr. Raymond Bisplinghoff, Director of the Office of Advanced Research and Technology becomes Associate Administrator for Advanced Research and Technology. This is the program which provides technical knowledge essential to advancing aeronautical and space missions. He will also direct the efforts of four NASA research centers primarily involved in the Agency's advanced research program--Ames Research Center, Moffett Field, California; Flight Research Center, Edwards, California; Langley Research Center, Langley Field, Virginia; and the Lewis Research Center, Cleveland, Ohio.

Dr. Homer Newell presently Director of the Office of Space Sciences becomes Associate Administrator for Space Sciences and Applications. He will be responsible for scientific explorations of space and for communications, weather and related

(MORE)

peaceful applications. He will also direct management of the Goddard Space Flight Center, Greenbelt, Maryland; Wallops Station, Wallops Island, Virginia; Pacific Launch Operations Office, Point Mugu, California and administer NASA's contract with the California Institute of Technology for operation of the Jet Propulsion Laboratory, Pasadena, California. Under the new organization, Robert Garbarini, Director of the Office of Applications becomes Director of Applications and reports to Dr. Newell.

Consolidation of Space Sciences and Applications will simplify management since both programs work with the same centers and use essentially the same launch system.

The Office of Tracking and Data Acquisition, headed by Edmond C. Buckley will continue to provide the focal point for obtaining integration in these services and facilities within NASA and with agencies of the Department of Defense.

The reorganization will relieve Dr. Seamans as Associate Administrator and "General Manager" of direct responsibility for the overall management of centers and significantly reduce the number of individuals now reporting directly to him. This will allow him as General Manager to devote additional time in concert with the Administrator and Deputy Administrator to broad Agency matters.

Several officials reporting directly to the Administrator and responsible for Agency-wide support functions will become Assistant Administrators.

Functions of some of these offices have been realigned. Julian Scheer will become Assistant Administrator for Public Affairs responsible directly to the Administrator for the duties he now performs as Deputy to Dr. George Simpson, Assistant Administrator for Technology Utilization and Policy Planning.

In addition to retaining his present reponsibilities as Assistant Administrator for Technology Utilization and Policy Planning, Simpson will assume a second title as Associate Deputy Administrator of the Agency. In the latter capacity,

Dr. Simpson will coordinate work of staff members reporting directly to the Administrator and the Deputy Administrator - Dr. Hugh L. Dryden.

Richard Callaghan, a Special Assistant to the Administrator will become Assistant Administrator for Legislative Affairs. Paul G. Dembling, Director of that office will become Executive Director of the newly-created Policy Planning Board. This Board will review, re-formulate and evaluate for completeness and effectiveness policies embracing the full scope of NASA activities.

Arnold Frutkin, Director of the Office of International Programs retains that responsibility as Assistant Administrator for International Programs.

The title and function of John A. Johnson as the Agency's General Counsel is unchanged.

As Associate Administrator and General Manager, Seamans will have a staff of five persons headed by Walter L. Lingle as Deputy.

In addition and reporting directly to Seamans, Earl D. Hilburn now Deputy Associate Administrator for other than Manned Space Flight Centers assumes Lingle's present responsibilities as Deputy Associate Administrator for Industry Affairs. He will also assume, in addition to varied allied duties, responsibility from the Office of Programs for directing Quality Assurance and Reliability activities.

John Young, Director of the Office of Administration retains that function as Deputy Associate Administrator for Administration.

D. D. Wyatt, Director of the Office of Programs continues a similar function as Deputy Associate Administrator for Programming.

Adm. Walter Fredrick Boone (USN Ret) continues as Deputy Associate Administrator for Defense Affairs.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
October 30, 1963

LOC-63-77

NASA Announces Changes in Saturn Missions

The National Aeronautics and Space Administration today announced a re-phasing of manned flight missions among the three Saturn class vehicles: The Saturn I, the Saturn 1-B, and the Saturn V.

Principal changes in planned manned flight missions include acceleration of the critical Saturn 1B/Apollo spacecraft phase and deletion of four previously scheduled Saturn I/Apollo spacecraft flights.

Engineering design and development effort related to the Saturn I manned flight program will be redirected to the Saturn I-B and Saturn V programs. Concentration of effort and resources on these phases of the manned lunar landing program is expected to increase the assurance of meeting vital Saturn I-B and Saturn V - based Apollo spacecraft milestones by taking advantage of the larger payload capability of the Saturn I-B making an earlier launch of an all systems lunar orbit configuration---command module, service module, and LEM. In addition, it is now planned to begin Apollo manned flights using this secure configuration from the start thereby providing greater assurance of astronaut safety and successful completion of the manned orbital phase of the lunar landing mission.

The program of two Saturn vehicles, Saturn I/I-B and Saturn V, is based on the maximum use of common stages. The Saturn I, a two stage vehicle, capable of placing 10 tons in earth orbit, was to be used to test Apollo command and

More

service modules. The Saturn I-B is an up-rated version of the Saturn I vehicle capable of placing 16 tons in earth orbit and will be used to test the complete lunar orbit configuration of Apollo-the command module, service module and lunar excursion module (LEM). The Saturn I-B uses the same first stage as Saturn I. Its second stage, the S-IVB, which replaces the 15,000 pound thrust engine on the S-1V with a 200,000 pound thrust engine, is also the third stage of the Saturn V, the vehicle which will carry the astronauts on their lunar mission.

The decision to rephase the Saturn based manned flight missions, based on studies initiated several months ago, was made possible by the success of the four Saturn I R & D launchings, the successful ground tests of the liquid hydrogen stages and the J-2 engine. The decision also permits the introduction of a flight test concept designed to result in an otherwise time saving--the so called concept of "all up testing". In this approach launch vehicle stages and spacecraft modules are tested in the final configuration of each flight. Previous planning had called for a gradual build up of sub systems, systems stages and module in successive flight tests. Experience in other missile and space programs have demonstrated that "all up-testing" is the quickest way of reaching final mission objectives. The six remaining Saturn I development flights will be carried out to provide vehicle development data essential to the Saturn I-B and Saturn V programs as well as to take important information on micro meteoroids.

Although the cancellation of Saturn I based manned Apollo flights results in a later (9 months) first flight of a manned orbital Apollo, the on going Gemini program will provide the astronauts with the flight operations experience that otherwise would have been gained from the Apollo/Saturn I mission.

More

Moreover, deletion of the Apollo/Saturn I manned flights saves ~~$~~ 50 million dollars and is a step which helps NASA to stay within the $5.35 billion authorized for Fiscal Year 1964.

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NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
2:30 PM, October 30, 1963

LOC-63-78

WASHINGTON, D. C. - The Air Force developed Thrust Augmented Thor will be added to the national launch vehicle program as the booster for both the Agena and Delta vehicles in accord with an agreement between DOD and NASA.

In the new Thor configuration, three solid propellant rockets are strapped around the Thor booster. They ignite at launch along with the Thor stage engine to produce a total liftoff thrust of more 330,000 pounds.

The solid strap-ons are Thiokol Chemical Company XM-33 rockets, each 31 inches in diameter and producing 54 thousand pounds of thrust. This rocket is the second stage of the all-solid propellant Scout vehicle.

After burning about 40 seconds the solid strap-ons are dropped off the third stage from 40-65 seconds after liftoff depending on range safety requirements, while the Thor engine conducts powered flights.

The Air Force developed the Thrust Augmented Thor system and has flight tested it in boosting Thor Agena vehicles.

Thrust Augmented Thor in Delta (TAD) will achieve a 20-30 percent increase in capability of the Delta which is NASA's most reliable launch vehicle with 19 straight successful out of 20 missions. For instance TAD will be able to put about one thousand pounds into earth orbit compared to 800 pounds for Delta depending on specific trajectory and other mission requirements. TAD is expected to make its first NASA flight in 1964. NASA will continue to use the Delta vehicle without thrust augmentation.

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE

COCOA BEACH, Fla.--The Launch Operations Center of the National Aeronautics and Space Administration has awarded a $2,221,083 extension to an existing contract with the Crysler Corp. for engineering services supporting launch operations of the Saturn rocket.

The six-month extension brings to $10,255,599 and total amount awarded to Chrsyler under the contract original issued in 1961.

Chrysler, under the terms of the contract, provides engineering, design, fabrication and testing services in support of the launch phase of the Saturn program.

These services are performed at Detroit, Huntsville, Ala., and in the Cape Kennedy area.

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2A1-6

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: December 12, 1963
5:00 PM EST

LOC-84-63

SATURN LAUNCH POSTPONED

The launch of the fifth Saturn I space vehicle has been postponed due to technical difficulties, the National Aeronautics and Space Administration announced today.

Pre-launch checkout revealed cracks resulting from stress corrosion in critical pneumatic lines in the first stage.

The launch date is estimated in late January.

2A146

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

LOC-85-63

FOR RELEASE: For Simultaneous Release
in Washington and Cocoa Beach
3 PM EST
December 13, 1963

NASA SELECTS PROPELLANT LOADING SYSTEM INSTALLATION MANAGER

The Catalytic Construction Co. of Philadelphia, Pa., today was selected for negotiation on a contract to manage the installation of a propellant loading system on Launch Complex 39, near Cape Kennedy, Florida.

The contractor will manage and supervise fabrication and installation by subcontractors of the propellant loading complex. The systems include facilities for liquid hydrogen and liquid oxygen, liquid nitrogen, RP-1 (kerosene), a high pressure gas and environmental control.

Responsibilities also will include coordination of subcontractor efforts, quality control, reporting, on-site inspection and overall timely completion of the system in accordance with specifications provided by NASA.

The contract will be a cost plus fixed fee type and its estimated cost is approximately $800,000. Cost of the work the contractor will manage is estimated at $13-15 million dollars, all of which will be accomplished by fixed price subcontracts.

Catalytic Construction was selected from 11 companies who submitted proposals.

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2 A I H G

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: IMMEDIATE
December 12, 1963, 5:00 PM EST

NASA Headquarters 63-270

LING-TEMCO-VOUGHT TO PROVIDE ADMINISTRATIVE SERVICES AT MERRITT ISLAND

Ling-Temco-Vought, Incorporated, Dallas, Texas, was selected today for final negotiation on a cost type contract with incentive fee provisions for Administrative and Management Services at the National Aeronautics and Space Administration's Merritt Island Launch Area near Cape Kennedy, Florida.

Ling-Temco-Vought will provide services in the areas of automatic data processing, technical information, photographic operations, and field printing plant operations.

The contract will be for three years divided into yearly phases. It is expected to exceed $2.5 million dollars for the initial one-year period. The estimated cost and award fee provisions for each of the remaining two phases will be negotiated prior to the commencement of each phase.

Ling-Temco-Vought was selected from 23 companies which submitted proposals. These were narrowed last month to three companies with which competitive negotiations were conducted in a two-step selection process.

Administrative and Management Services is one of four major support services under which the NASA Merritt Island Launch Area will be operated. The other three are: Communications, Base Operations, and Launch Support Services. RCA Service Co., Camden, N. J. previously had been awarded the Communications contract. Contractors still are to be selected for the latter two services.

RA-11-0

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

FOR RELEASE: December 26, 1963
3:00 PM EST

NASA Headquarters 63-286

NASA TO EXTEND CONTRACT WITH CONTROL DATA CORPORATION

The National Aeronautics and Space Administration will negotiate with the Control Data Corporation, Minneapolis, for an extension to an existing fixed-price contract to cover procurement of computers and associated communication and peripheral equipment for nine pre-flight acceptance checkout equipment (PACE) stations for the Apollo spacecraft.

Initial procurement under the extension will be for equipment for two PACE stations estimated to exceed $6 million in cost. Cost of this equipment for the nine stations is estimated to exceed $25 million.

General Electric Company, which has systems integration and checkout responsibilities for Project Apollo, will receive these items as government furnished equipment. The first two PACE systems will be delivered to North American Aviation, Inc., Downey, California, for checkout of the Apollo command and service modules.

In addition, four systems will be installed at the John F. Kennedy Space Center, NASA, Cocoa Beach, Florida; two at the Grumman Aircraft Engineering Corporation, Bethpage, New York; and one at the Manned Spacecraft Center, Houston, Texas. Initial PACE delivery to NAA is scheduled in May 1964.

NEWS RELEASE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Public Information Office, Cocoa Beach, Florida
Phones: SU 3-7781 & SU 3-7782

NASA Headquarters

FOR RELEASE: Tuesday AM's
December 31, 1963

NASA APPOINTS GENERAL PHILLIPS TO ASSIST IN APOLLO PROGRAM MANAGEMENT

The National Aeronautics and Space Administration today announced the appointment of Air Force Brig. Gen. Samuel C. Phillips, as Deputy Director of the Apollo Program in the Office of Manned Space Flight, effective January 15.

General Phillips, now Vice Commander of the Air Force Ballistic Systems Division, will join some 200 other military officers serving in key posts with NASA.

He will work with Dr. George E. Mueller, Associate Administrator for Manned Space Flight, who is Director of the Apollo Program. General Phillips will carry the major responsibility for the management and administration of the U. S. Manned Lunar Landing Program. Dr. Mueller will continue to have the major responsibility for technical direction of Apollo in addition to his other duties as head of the Office of Manned Space Flight.

In announcing General Phillips' appointment, Dr. Mueller said, "General Phillips' experience in managing the Minuteman Program for the Air Force where he met or exceeded all program objectives including schedules and costs, brings to NASA the high qualifications necessary for carrying out the large and complex Apollo Program. We are happy to have found someone with his unique qualifications after an intensive search within government and industry."

(MORE)

The Apollo Program Office at NASA Headquarters has the complete responsibility and authority to carry out all aspects of the Apollo mission including overall responsibility for the spacecraft, Saturn V and Saturn I vehicles and their test and assembly.

Apollo activities are being carried out by the headquarters office and the three NASA field centers concerned with manned space flight - the Manned Spacecraft Center, Houston, Texas; the Marshall Space Flight Center, Huntsville, Alabama; and the John F. Kennedy Space Center, NASA, Cocoa Beach, Florida.

General Phillips has been Vice Commander of Ballistic Systems Division since August 16, 1963. Prior to that he was Director of the Minuteman Systems Program, Headquarters Ballistic Systems Division, Air Force Systems Command, Los Angeles, since August 1959. He was Chief of Logistics for the Strategic Air Command's Seventh Air Division based in England from June 1956 until August 1959.

He entered pilot training after graduating from the University of Wyoming in 1942 and served in England with the Eighth Air Force during World War II. He received the Distinguished Flying Cross and oak leaf cluster, Air Medal with seven oak leaf clusters, and the Croix de Guerre. In 1950 he received his Masters Degree in Electrical Engineering from the University of Michigan where he specialized in Electronics.

He joined the Engineering Division of Air Materiel Command at Wright-Patterson AFB and remained there for six years in Research and Development work with the exception of three months at Eniwetok as Electronics Officer on Project Greenhouse and three months at the Air Command and Staff School, Maxwell AFB. While at AMC he served as director of operations at the Armored Laboratory, B-52 Project Officer and chief of the air defense missiles.

(MORE)

General Phillips was born February 19, 1921 in Springerville, Arizona. He lists Cheyenne, Wyoming as his home town. He is married to the former Betty Anne Brown of Cheyenne and they have three daughters.

General Phillips is a member of Kappa Sigma Fraternity, and the Institute of Electrical and Electronics Engineers.