

78-4

NASA News

DND
#109A

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867 2468

Dick Young
305 867-2468

For Release:
January 2, 1976
KSC 1-76

KSC TOUR OPERATION HAS THIRD BUSIEST YEAR

KENNEDY SPACE CENTER, Fla.--Heavy patronage of the guided bus tours of the nation's Spaceport during December brought the total for 1975 to 1,168,189, marking the third busiest year since the public tours were initiated in 1966.

The 1975 tour total is exceeded only by the 1,389,042 recorded in 1972 - the record year - and the 1,264,321 logged in 1973.

It reflects an increase of 32.9 percent over the 878,746 visitors recorded in 1974 when tourism slumped badly throughout Florida as a result of the energy crisis and the gasoline shortage.

December's tour patronage reached 114,017, an increase of 16.6 percent over the 97,748 taking the tours of KSC and adjacent Cape Canaveral Air Force Station in December, 1974.

Post-Christmas operations by NASA-TWA Tours were exceptionally heavy. During 1974, there was only one day of the six between Christmas and New Year's Day on which attendance exceeded 10,000. During the similar six-day period in 1975, there were four such days.

Sixty tour buses were in service during this period, enabling KSC to accommodate 11,902 visitors on December 29 and 11,567 on December 30, the two peak days.

P. A. Fagnant, Chief of KSC's Visitors Services Branch, predicted that the 1972 record of 1,389,042 will fall during the coming year, the 200th anniversary of the nation's birth.

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NASA News

BX 3
#109A

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

January 6, 1976
KSC 2-76

NOTICE TO EDITORS/NEWS DIRECTORS

HELIOS-B LAUNCH SCHEDULED JANUARY 15

KENNEDY SPACE CENTER, Fla.--Launch of Helios-B the second of two German-built spacecraft designed to orbit near the sun to obtain data on solar winds and other solar phenomena, is scheduled for January 15 launch from Complex 41, Cape Canaveral, on a Titan-Centaur booster. The launch window extends from 12:34 to 1:34 a.m. EST.

A prelaunch news conference on the Helios mission is scheduled January 13. News media representatives desiring to cover the news conference should arrive at the Kennedy Space Center Public Information Office, Headquarters Building, by 11:00 a.m.

Transportation to Press Site 3 for coverage of the launch January 15 will be provided. A bus for newspeople will depart the Ramada Inn, Cocoa Beach, at 11 p.m. January 14.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468



Hugh Harris
305 867-2468

For Release:
January 7, 1976
KSC 3-76

CTS LAUNCH POSTPONED

KENNEDY SPACE CENTER, Fla.--The launch of the joint Canadian - U. S. Communications Technology Satellite (CTS) has been postponed from January 13 to no earlier than January 19.

George F. Page, Director of Unmanned Launch Operations for KSC said the decision was made to postpone the launch to allow time to verify that some capacitive components in the guidance computer and IMU of the Delta launch vehicle are suitable for flight.

Suspicion was cast on these components by a failure of identical parts during recent testing concerned with another launch vehicle.

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NASA News

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#109A

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Iris Sullivan
305 867-2468

January 8, 1976
KSC 4-76

TITUSVILLE FIRM AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a contract for \$939,800 to the Holloway Corporation, Route 2, Titusville, Fla.

The contract is for the architectural, mechanical and electrical modifications required to prepare the Launch Control Center at Complex 39 for the installation of the Space Shuttle Launch Processing System.

The work is being concentrated on the second floor and in Firing Rooms 1, 2 and 4 on the Launch Control Center's third floor.

Completion of the fixed price contract - one set aside for small business firms - is scheduled within 310 calendar days.

The modifications include the installation of fire protection and emergency power systems.

The new contract is the latest step in reshaping Saturn/Apollo Launch Complex 39 for the Space Shuttle era.

The Launch Processing System now under development by KSC will control and perform much of the Space Shuttle vehicle checkout automatically while the vehicle components are being processed for launch. It will also provide the capability for work order control and scheduling, and conduct countdown and launch operations.

Launch of the Space Shuttle on its first orbital flight from KSC is scheduled for 1979.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Iris Sullivan
305 867-2468

January 9, 1976
KSC 5-76

CONTRACT AWARDED FOR EXPEDITION DOME FOUNDATIONS

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded an \$89,695.00 contract to David A. Boland, Titusville, Fla. to construct foundations for geodesic domes that will house displays at the Bicentennial Exposition on Science and Technology.

The 1976 Bicentennial Exposition, which runs from Memorial Day through Labor Day, will feature exhibits showing how technology and science will be used to improve the standard of living in the United States during the next two hundred years.

Between one and two million visitors are expected to view exhibits displayed by the Department of Agriculture, American Revolution Bicentennial Administration, Department of Defense, Environmental Protection Agency, Energy Research and Development Administration, Department of Health, Education and Welfare, Department of Housing and Urban Development, Department of the Interior, Department of Transportation, General Services Administration, National Science Foundation, the Smithsonian Institution, Department of the Treasury, NASA, Community Services Administration, and the National Endowment for the Arts.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
January 13, 1976
KSC 6-75

NOTICE TO EDITORS/NEWS DIRECTORS

NASA'S BRIEFING ON PRESIDENT'S BUDGET SCHEDULED

KENNEDY SPACE CENTER,, Fla.--NASA's briefing for newspeople on President Gerald R. Ford's FY 1977 budget is scheduled at 4 p.m. EST Tuesday, January 20 in Washington.

A live one-way audio feed of the briefing will be available to newspeople at the KSC Public Information Office, Room 1207, Headquarters Building.

Information presented in the briefing will be temporarily embargoed and will not be subject to release by news media until President Ford's State of the Union Message to the Congress, scheduled at 10:30 a.m. EST January 21.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

TXS
#107A

For Release:

A. H. Lavender
305 867-2468

January 12, 1976
KSC 7-76

NOTICE TO EDITORS/NEWS DIRECTORS

RESCHEDULING OF CTS LAUNCH

KENNEDY SPACE CENTER, Fla.--The launch of a Communications Technology Satellite, originally scheduled on January 13, has been postponed.

The launch may be rescheduled for the latter part of the week of January 11, thus if you have not received a definite schedule it is suggested that you telephone the Public Information Office, 867-2468, for information on the schedule for the CTS prelaunch press conference and the launch.

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10-7

NASA News

1/13
#109A

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release
January 13, 1976
KSC 8-76

DRIVE-THRU OF KSC AND CAPE TO RESUME SUNDAY

KENNEDY SPACE CENTER, Fla.--Public drive-through tours of the Kennedy Space Center and Cape Canaveral Air Force Station will be resumed Sunday, January 18.

Resumption of the Sunday Drive-Through tours follows discontinuing of picketing KSC's Gate 2.

Access will be available through Gate 1, the south entrance to Cape Canaveral AFS; Gate 2, the south KSC entrance via State Road 3 from Merritt Island; and Gate 3, the west KSC entrance via State Road 405.

The drive-through tour route takes visitors through KSC's Complex 39, site of the launch of astronauts to the Moon; the KSC Industrial Area, Cape Canaveral's active and historic launch sites and the Air Force Space Museum.

Gates will be open from 9 a.m. to 3 p.m.

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78-41

NASA News

BYS
#187A

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

January 13, 1976
KSC 9-76

NOTICE TO EDITORS/NEWS DIRECTORS

CTS LAUNCH RESCHEDULED ON JANUARY 16

KENNEDY SPACE CENTER, Fla.--Launch of a Communications Technology Satellite (CTS) from Complex 17, Cape Canaveral, has been rescheduled on Friday, January 16. The launch window extends from 6:21 to 7:15 p.m. EST.

A prelaunch news conference on the CTS mission is scheduled Thursday, January 15. Media representatives desiring to cover the news conference will be provided transportation from the KSC Public Information Office, Headquarters Building, departing at 1:30 p.m.

News media representatives desiring to cover the launch will be provided transportation from the Ramada Inn, Cocoa Beach. The bus will depart the Ramada Inn at 5 p.m. January 16, with a stop at Cape Canaveral AFS Gate 1 at 5:15 p.m.

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78-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

January 16, 1976
KSC 12-76.

CONTRACTS AWARDED FOR EXPOSITION CONSTRUCTION

KENNEDY SPACE CENTER, Fla.--TWA Services, Inc., the Kennedy Space Center's contractor for operation of NASA Tours and the Visitors Information Center, has awarded two contracts for construction of facilities for the Bicentennial Exposition on Science and Technology.

A \$146,300 contract for outfitting of the pavilions that will house exhibits in the Vehicle Assembly Building area, including electrical systems and pavilion doorways, was awarded to K & S Electric, Inc., Titusville, Fla.

A \$254,350 contract for construction of a 10,000-square foot exhibit building at the Visitors Information Center was awarded to Marinoff Construction Co., Cocoa Beach, Fla. The new building, to be located north of the west wing of the Visitors Information Center, will become a permanent center exhibit building at the end of the exposition.

The exposition is scheduled from Memorial Day through Labor Day.

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78-4

NASA News

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#109A

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

January 20, 1976
KSC 13-76

EXPOSITION EMPHASIS SHIFTS TO KSC

KENNEDY SPACE CENTER, Fla.--Having moved from the conceptual phase through planning and on to construction, emphasis on the Bicentennial Exposition on Science and Technology is shifting from Washington to the Kennedy Space Center.

Under the direction of General Manager Ed Simmons, what was just an idea a few months ago is now a firm plan with site construction already underway at the Spaceport.

Simmons is now returning to the Department of Commerce, where he was on loan to NASA to pull together the many elements of Government and industry needed to make the Exposition a reality.

"We now have an operational plan and are moving forward, confident that we will have a successful Exposition, thanks in large measure to the contributions of Mr. Simmons and his staff," NASA Administrator James Fletcher pointed out in a recent letter to Rogers Morton who had arranged for Simmons' temporary assignment to the Exposition.

"Our site plan calls for 15 geodesic domes which will house Government and industry exhibits," KSC Director Lee Scherer told Dr. Fletcher during a tour of the Exposition site last week.

The Exposition is scheduled to open on Memorial Day and close Labor Day. Visitors to the Center will be afforded the opportunity to tour the Cape in addition to visiting the Exposition which will be located next to the Vehicle Assembly Building. Portions of the VAB and adjacent Launch Control Center will be open to Exposition visitors.

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78-4

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

January 22, 1976
KSC 14-76

NOTICE TO EDITORS/NEWS DIRECTORS

LAUNCH OF INTELSAT IV-A F-2 SCHEDULED JANUARY 29

KENNEDY SPACE CENTER, Fla.--Launch of INTELSAT IV-A F-2, the second of the International Telecommunications Organization's new series of communications satellites, is scheduled Thursday, January 29. The launch window extends from 6:38 to 7:23 p.m. EST.

A prelaunch news conference on the INTELSAT IV-A F-2 mission is scheduled Wednesday, January 28. News media representatives desiring to attend the conference should be at the KSC Public Information Office by 10:30 a.m.

Media representatives desiring to cover the launch from Press Site 1 will be provided transportation from the Ramada Inn, Cocoa Beach. The bus will depart the Ramada Inn at 5 p.m. January 29, with a stop at the Cape Canaveral Air Force Station Gate 1 Pass and Identification Office at 5:15 p.m.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

January 29, 1976
KSC 32-76

NOTICE TO EDITORS/NEWS DIRECTORS

GOVERNOR MILTON J. SHAPP TO VISIT KSC

KENNEDY SPACE CENTER, Fla.--We understand from the campaign manager for Governor Milton J. Shapp of Pennsylvania, a candidate for the Democratic Presidential nomination, that the Governor will visit the Kennedy Space Center, Tuesday, February 3.

News media representatives desiring to cover Governor Shapp's visit and accompany him on a tour of the Center will be badged at Gate 2B, the KSC temporary gate on the NASA Parkway to the west of the Headquarters Building. All should arrive at the KSC Public Information Office, Headquarters Building, prior to 8:30 a.m.

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NASA News

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#109B

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

February 2, 1976
KSC 38-76

JANUARY NASA TOURS VOLUME SETS RECORD

KENNEDY SPACE CENTER, Fla.--NASA Tours volume in January was at a record high level as 82,494 patrons purchased tickets for tours of the Spaceport and adjacent Cape Canaveral Air Force Station.

The month's total exceeded that of January, 1975, by 8,255, an increase of 11.1 percent. January, 1975, volume of 74,239 was a record for the first month of a year.

Expansion of Visitors Information Center facilities is underway to accommodate increasing numbers of tourists visiting the attraction and in preparation for the estimated one million who will visit the Spaceport during the Bicentennial Exposition on Science and Technology, scheduled from Memorial Day through Labor Day.

Work is almost complete on a new food services facility and a contract for construction of an additional 10,000-square foot exhibit building, to be completed prior to opening of the exposition, was awarded in January.

Visitor center attractions include displays and exhibits explaining the nation's space program, space science lectures and motion picture showings.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
February 11, 1976
KSC 39-76

KENNEDY SPACE CENTER EXTENDS BOEING SUPPORT CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded the Boeing Company a \$6,855,000 extension to its current contract for support services at the Center.

The cost plus fixed fee contract extension brings the total contract amount to an estimated \$126,530,452 since the contract became effective March 1, 1971. The extension covers the period from February 1 through May 31, 1976.

Under terms of the extension the Boeing Company will provide test support management, plant engineering and maintenance, supply and transportation operations, documentation, fire prevention, protection and rescue services, quality assurance and training support, and security services.

The Kennedy Space Center is the major launch site for United States space vehicles, with facilities for manned launch operations at its Complex 39 and facilities for unmanned launches at Cape Canaveral and the Western Test Range, Lompoc, Calif.

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78-4

NASA News

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#109B

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

February 11, 1976
KSC 40-76

EXPEDIENT SERVICES AWARDED SPACEPORT CONTRACT EXTENSION

KENNEDY SPACE CENTER, Fla.--A one-year extension of a contract for custodial services at NASA's John F. Kennedy Space Center has been awarded to Expedient Services Inc., Titusville, Fla.

The \$1,974,951 award covers the period from February 1, 1976 through January 31, 1977, and brings the cumulative value of the parent contract to \$5,527,197.

The cost plus fixed fee contract is a small business award set aside for disadvantaged firms. The contract was awarded by the Small Business Administration in Atlanta, Ga., on behalf of KSC.

NASA actively pursues efforts to increase participation of small business concerns in its procurement program.

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78-4

NASA News

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1/10/76

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

February 11, 1976
KSC 55-76

KSC EMPLOYEES RECEIVE NASA AWARDS FOR ROLES IN DELTA PROGRAM

KENNEDY SPACE CENTER, Fla.--Eight members of the Kennedy Space Center's Delta launch team were awarded medals by NASA Administrator Dr. James C. Fletcher and the KSC Delta Government-contractor team received the NASA Group Achievement Award in a ceremony at the Goddard Space Flight Center in Greenbelt, Maryland, today.

Receiving NASA's highest award, the Distinguished Service Medal, was John J. Neilon, Cocoa Beach, Director, Unmanned Launch Operations, from 1970 to 1975, and now Deputy Director of Technical Support.

A citation accompanying the medal stated, "Under his expert technical and managerial guidance, the directorate achieved some of its most challenging successes."

Wayne L. McCall, Titusville, Delta Launch Operations Division, Unmanned Launch Operations, was awarded NASA's Exceptional Service Medal. McCall was cited as "the top launch readiness expert and technical authority for Delta vehicle electrical, electronic, propulsion and mechanical systems. He has recently made particular contributions in the implementation of Delta pad modifications to accommodate the Straight Eight extended tank and the new Castor IV engine configuration."

An Exceptional Service Medal was awarded to Arthur J. Mackey, Jr., Cocoa Beach, Unmanned Launch Operations Project Engineering Office, who is responsible for operation of data laboratories, the Mission Director's Center and related systems that support prelaunch tests and launch operations. His citation stated that "he was a driving force in the development, installation and operation of much of the telemetry equipment used on the Delta program."

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A citation accompanying an Exceptional Service Medal presented to Mason R. Comer, Indian Harbor Beach, Special Assistant to the Director of Unmanned Launch Operations, stated he "is responsible for providing authoritative advisory services in connection with technical operations systems and equipment such as engine configurations, routing of harnesses, umbilical rigging, propellant loading systems, fairing integrity and failure analysis. His ability to recognize potential problem areas and recommend corrective action has been instrumental in the success of the Delta program."

James E. Towles, Titusville, Project Engineering Office, Unmanned Launch Operations, who received an Exceptional Service Medal, was recognized for serving "as project engineer during identification and implementation of all facility modifications and additions required for all Delta launches, thus contributing toward the success of Delta launches."

James C. Sweat, Merritt Island, Chief, Range Operations Branch, Unmanned Launch Operations, received an Exceptional Service Medal and a citation stating that he "forcefully applied his wealth of knowledge and experience in the development, direction and management of a responsive operations safety program for Delta activities at KSC. He has been particularly effective in providing direction to launch team members and obtaining concurrence of the Air Force Eastern Test Range Safety Staff in areas requiring interpretation of Air Force and NASA safety regulations. Mr. Sweat's dedication and leadership in the operations safety aspects of launches have resulted in minimizing or eliminating the cost in time and money impact of safety constraints, and have been an essential element contributing substantially to the success of the Delta program."

Henry J. Van Goey, Lompoc, California, Chief, Western Launch Operations Division, Unmanned Launch Operations, received an Exceptional Service Medal accompanied by a citation stating that "Mr. Van Goey is the prime representative for NASA and KSC at Vandenberg AFB. He has demonstrated an uncommon ability to organize, manage and coordinate an outstanding NASA-contractor team which has launched 30 Delta vehicles. He has proved particularly adept in negotiating interservice agreements with the Air Force for range support at the Western Test Range."

Page 3
KSC 55-76

Richard B. Umlauf, Satellite Beach, Chief, Resources Requirements Branch, Technical Support, received an Exceptional Service Medal, with a citation recognizing "his contribution in the development of a cost structure for reimbursement of Department of Defense support to both commercial and U. S. Government satellites launched on Delta vehicles."

Accepting the Group Achievement Award for the Delta team was Mrs. Reggie Vietor, Titusville, secretary to the Chief, Unmanned Launch Operations.

The citation on the award stated that "this Government-industry team has compiled an enviable record of achievement, launching 120 Delta vehicles since 1960. The team concluded 1975 with a 100 percent success rate despite many obstacles brought about by design changes and short turnaround times between launches."

During the ceremony a NASA Exceptional Service Medal was presented to Robert Montgomery of the Air Force Eastern Test Range Range Safety Staff and a NASA Public Service Award to Dale Steffey, McDonnell Douglas Aircraft Co., for their roles in the Delta program.

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Youngstown / Janet / ...

NASA News

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#109A*

National Aeronautics and
Space Administration

Washington, D.C. 20546
AC 202 755-8370

For Release:

F. Dennis Williams
Headquarters, Washington, D.C.
(Phone: 202/755-3897)

IMMEDIATE

Peter Waller
Ames Research Center, Mountain View, Calif.
(Phone: 415/965-5091)

RELEASE NO: 76-28

SATELLITE SYSTEM TO WARN OF FOREST FIRE DANGER

Those who fight to prevent and control forest fires will get an assist from space this year as a new satellite-linked monitoring system begins a constant watch on thousands of square miles of precious California forests.

Some 23 NASA-designed ground stations will monitor forest conditions throughout California's important Region One forest area, providing data every three hours to foresters in Sacramento through a geostationary weather satellite.

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The Region One forest area, which contains most of California's redwood forest and a large part of the state's timber resources, extends from the Oregon border to San Francisco Bay and from the Pacific Ocean inland to the Coast Range mountains.

NASA's Ames Research Center in Mountain View, Calif., developed the compact, self-powered stations in cooperation with the State of California's Division of Forestry (CDF). Part of the network will be operating during the 1976 forest fire season; the remainder will be completed in time for the 1977 season.

The 90-kilogram (200-pound) ground stations, powered by solar and wind energy combined with storage batteries, will provide continuous reports on wind speed and direction, air temperature, net solar radiation, relative humidity and the moisture content of such flammable forest litter as pine needles and grass.

Sensors to measure rainfall and air pollution -- including particulate matter and ozone concentrations -- may also be added to the forest monitors.

Once every three hours, data from the automatic stations will be relayed through Synchronous Meteorological Satellite-2 (SMS-2), which is in constant view of the area from its vantage point over the equator.

The satellite, operated by the National Oceanic and Atmospheric Administration (NOAA), sends the data to a NOAA receiving station at Wallops, Va., which automatically relays data to NOAA computers at Suitland, Md. The NOAA computers process the data and forward it to the U.S. Geological Survey (USGS) computer facility in Reston, Va., which sends it overland to USGS offices in California. Ames Research and the California Division of Forestry obtain access to the data from the nearby USGS facilities.

Once the system is in operation, the complex processing and relay of the data will require less than 90 minutes from the time the automatic monitors record information on conditions in remote forest areas until foresters receive the data in Sacramento.

The new system is an experiment that may help reduce losses from forest fires in California and it may also help lower the cost of fighting fires in the state.

Foresters will use continuous data on weather conditions to identify areas where fire hazard is greatest, deploy fire-fighting teams to counteract the threat and plan strategy to battle any fires that do develop.

Experts say that knowing where fires are probable and how they might act is almost as important as having men and equipment to fight them.

Two prototype monitoring stations, designed and developed by Ames on the recommendations of the CDF, have been operating successfully at Sunol and Mount Zion, Calif., during a two-year test of their performance and accuracy.

The new monitoring stations are low in cost, easy to assemble and require little maintenance. Three people can transport the stations to the most remote forest areas and only an hour is required to set them up. The stations are expected to operate for one year without maintenance and designers are working on improvements that would permit two years of maintenance-free operation.



February 13, 1976

78-4 - -

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

February 12, 1976
KSC 56-76

NOTICE TO EDITORS/NEWS DIRECTORS

MARISAT-A LAUNCH SCHEDULED FEBRUARY 19

KENNEDY SPACE CENTER, Fla.--Marisat-A, the first of a new series of maritime communications satellites to be launched by NASA for Comsat General Corp., is scheduled for launch Thursday, February 19.

The spacecraft will be launched on a Delta booster from Complex 17, Cape Canaveral, during one of three launch windows, the first extending from 5:32 to 6:37 P.M., the second from 7:17 to 7:38 P.M. and the third from 8:16:40 to 8:17:20 P.M.

A news conference on the Marisat-A mission is scheduled Wednesday, February 18. Media representatives desiring to attend the news conference should arrive at the KSC Public Information Office by 11:30 A.M.

Those desiring to cover the February 19 Marisat-A launch from Press Site 1 will be provided transportation from the Ramada Inn, Cocoa Beach. The bus will depart the Ramada at 4 P.M., with a stop at the Cape Canaveral AFS Gate 1 Pass and Identification Building at 4:15 P.M.

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78-4

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

February 27, 1976
KSC 81-76

KSC SUPPORT CONTRACTS TO BE EXTENDED

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center will extend for an indefinite period a number of its major support contracts which are to expire in the near future.

The contracts to be extended are those of the Federal Electric Corporation for instrumentation and communications support, the Bendix Corporation for launch support, and the Boeing Company for installation support.

The Federal Electric and Bendix contracts are due to expire February 29 and the expiration date for the Boeing contract is May 31.

Studies are now underway to determine the requirements for Space Shuttle program launch and supporting activities with a view toward more economical and efficient mission and completion-type contracts where feasible.

While no specific dates for new contracts have been set, it is expected that it will take the better part of this year and probably into 1977 to complete the necessary planning and selection of contractors.

In the interim, only minor adjustments in employment are expected.

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78-4

NASA News

BKS
#109B

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
March 1, 1976
KSC 83-76

FEBRUARY NASA TOURS VOLUME SET RECORD

KENNEDY SPACE CENTER, Fla.--More than 112,000 visitors took guided bus tours of the Spaceport in February, marking the second consecutive month that patronage exceeded the 1975 level.

Tour patronage of 112,157 in February compares with 102,217 during February, 1975.

January tour patronage of 82,494 was also a record, and tour volume for the first two months of 1976 was over 10 percent above that for the first two months of 1975. January, 1975, volume was 176,456.

Tours of the Spaceport and adjacent Cape Canaveral Air Force Station originate at the Visitors Information Center. The visitor center is accessible from U. S. 1, south of Titusville, via State Road 405 and the NASA Parkway, and from Merritt Island via State Road 3 and the NASA Parkway.

Visitors Information Center attractions--available at no cost to the public--include exhibits, displays, motion pictures and space science lectures explaining the nation's space program.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

March 4, 1976
KSC 82-76

PAN AMERICAN MEDICAL SUPPORT CONTRACT EXTENDED

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a seven-month \$784,000 contract extension to the Aerospace Services Division, Pan American World Airways, Cocoa Beach, Fla.

The extension covers the period from March 1, 1976 through September 30, 1976, and brings the total value of the contract since 1971 to \$6,802,225.

Under terms of the contract, Pan American provides occupational medicine and environmental health services for civil service, military and contractor personnel. These services are performed by physicians, nurses and medical technicians at the Kennedy Space Center and adjacent Cape Canaveral Air Force Station.

The Kennedy Space Center will be the launch and landing site for the Space Shuttle, the nation's new space transportation system, with the first launch scheduled in 1979.

The Center also launches a variety of expendable scientific, weather, earth observation and communications satellites and spacecraft from facilities at Cape Canaveral Air Force Station and the Western Test Range, Lompoc, Calif.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

1275
#1050

For Release:

A. H. Lavender
305 867-2468

February 26, 1976
KSC 78-76

Also Released by NASA Headquarters

NOTICE TO EDITORS/NEWS DIRECTORS

VIKING MARS MISSION NEWS BRIEFING TO BE HELD IN MIAMI

KENNEDY SPACE CENTER, Fla.--There will be a news briefing on the NASA Viking mission to Mars in Miami, Fla., Thursday, March 11. The briefing will be held at 10:30 a.m., EST, at the Miami Airport Inn, N.W. LeJeune Road (42nd Avenue), one-half mile south of the Miami Airport terminal entrance.

Present at the briefing will be Dr. Gerald Soffen, Viking Project Scientist; William Boyer, Viking Project Office; and Maurice Parker, Viking Project Public Affairs Officer, NASA Langley Research Center, Hampton, Va.

The Viking information team will have press packets, including visuals, and film clips.

Viking-1 Mars Orbit insertion is scheduled for June 19 with the Lander descent scheduled for July 4.

One-on-one interviews with Dr. Soffen and Mr. Boyer will be available after the briefing and Q & A period, time permitting.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

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1/10/76*

For Release:

Karl Kristofferson
305 867-2468

March 1, 1976
KSC 84-76

KSC DIRECTOR TO HEAD BREVARD BOND DRIVE

KENNEDY SPACE CENTER, Fla.--Kennedy Space Center Director Lee R. Scherer has been appointed Chairman of the 1976 Brevard County "Take Stock in America" savings bond campaign.

His appointment was announced recently by George H. Gage, president of the General Telephone Company of Florida and volunteer state chairman for the Savings Bond Program.

Scherer will direct the activities of volunteers who will encourage Brevard County residents to join payroll savings or bond-a-month plans, to increase their allotments if they already participate in bond programs or to buy additional savings bonds as gifts.

"Today, Series E Bonds are more attractive than ever," Scherer said. "They pay six percent interest compounded semi-annually when held to maturity -- and they mature in just five years.

"When you consider ease of purchase, security, safety and certain tax advantages, the Series E Bond is hard to beat as a savings instrument.

"I am delighted to join the Savings Bond family of volunteers, and to have the opportunity to urge our friends in Brevard County to buy bonds regularly, for their own financial security and that of our country."

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

March 4, 1976
KSC 95-76

SPACE CENTER OPENS SAVINGS BOND CAMPAIGN

KENNEDY SPACE CENTER, Fla.--March 1 marked the beginning of the 1976 U. S. Savings Bond Campaign at the Kennedy Space Center.

Center Director Lee R. Scherer is chairman of the Brevard County "Take Stock in America" Savings Bond Campaign which covers private industries and companies in the county. Joseph Malaga, Director of Administration, is chairman of the KSC federal campaign.

As the campaign got underway, KSC was the leading major NASA center with 87.8 percent participation. "This is a reduction from last year's closeout of 90 percent," Scherer noted, "so our goal at KSC is to regain our percentage loss and insure our lead through the close of the campaign on April 2.

"The Minuteman flag with a gold star and three white stars, signifying eight years of 90 percent or more participation, has become a proud fixture at KSC," said Scherer as he encouraged employees to do their part to add another star during the Bicentennial year.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Dick Young
305 867-2468

For Release:
March 9, 1976
KSC 96-76

BICENTENNIAL EXPOSITION GIVEN DISTINCTIVE SYMBOL

KENNEDY SPACE CENTER, Fla.--The Bicentennial Exposition on Science and Technology - "Third Century America" - has been given a distinctive symbol or "logo" as preparations are being pushed ahead for its opening on May 30.

The fifth of 15 geodesic exhibit domes going up in the shadow of the Vehicle Assembly Building where Saturn V/ Apollo space vehicles were groomed for voyages to the Moon was erected recently and the domes' distinctive shape is an integral part of the logo.

The logo - to be used on all exposition facilities and publicity material - depicts a person with outstretched arms reaching and looking into the future. The lines in the bottom half represent a vision stretching into infinity. At the top is the geodesic dome structure created by the joining of triangles.

In the full color version, the outline of the person is in red and the lines to infinity are in red and blue. The triangles forming the dome are in blue. The background is white.

"Third Century America", the only exposition to be sponsored by the United States government during the Bicentennial Year, will be held at the Kennedy Space Center from May 30 through Labor Day.

Participating to give visitors a glimpse into the future through the exhibits to be housed in and around the domes will be fifteen Federal agencies and approximately a dozen industrial firms.

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Agencies participating include the Department of Health, Education and Welfare; Treasury Department; Energy Research and Development Administration; American Revolution Bicentennial Administration; Environmental Protection Agency; National Endowment for the Arts; Department of Defense; Department of Housing and Urban Development; Department of Interior; National Science Foundation; Community Services Administration; Department of Agriculture; Department of Commerce; the U.S. Postal Service and the Department of Transportation.

NASA's John F. Kennedy Space Center, located midway down the east coast of Florida, will play host to "Third Century America" and offer a wide variety of exhibits on the nation's space program.

Some of the nation's most prestigious industrial firms with wide credits in aerospace and other highly technical fields will be among the exhibitors.

The geodesic domes in which the exhibits will be housed are located to the south of the Vehicle Assembly Building at KSC's Launch Complex 39. Five of the domes - 120 feet in diameter and 30 feet high in the center - have already been erected. The remainder will be in place by mid-April.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Iris Sullivan
305 867-2468

March 18, 1976
KSC 97-76

BUILDING A CRADLE FOR THE SATURN V

KENNEDY SPACE CENTER, Fla.--If you see a large steel monster coming down the street in Titusville March 22, don't worry. A five-ton, forty-foot long, eighteen-foot wide cradle will be delivered on a flat bed truck to KSC, one of a series of cradles to support an Apollo/Saturn V which will be displayed in the Bicentennial Exposition on Science and Technology. It is the first of four deliveries to be made.

The Industrial Steel Co. of Mims was awarded a \$35,629 contract on January 30, 1976, to fabricate the cradles.

The company is a family affair. The president is Fred Wilson. His son, Fred Jr., works in the office and son Dennis works in the shop. Most of the employees belong to a skydiving club and they enjoy family picnics and fish frys together. Wilson moved to Florida from Chicago when he was working with Transco, subcontractor to Morrison and Knudsen, one of the contractors responsible for general construction of the VAB. He then started his own business here in 1965.

"The company seems to specialize in out of the ordinary jobs," Wilson says. "Among the more interesting were building the steel frames for the Disney General Electric Theater and the steel Dispatch Tunnel for Space Mountain, erecting the steel for the Disney monorail station, building and installing the ferry boat landings, steel fabrication and erection at the new Cocoa High School, structural steel erection of Merritt Square Shopping Center, and erecting the steel for Cape Canaveral Hospital."

They also worked on a \$500,000 project for the Florida Power and Light Company nuclear power plant at Hutchinson Island, Florida.

Wilson commented, "Our operation is unique because we use unusual equipment. We have an automatic beamline that punches holes into beams up to 36 inches by means of a digital readout. We also have an automated saw, a 400-ton pressbrake, and a half-inch by 12-foot shear.

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"Our business is confined to the central part of the state. It ranges from Ft. Pierce to Daytona to the west coast."

The Saturn V cradles have yet to be sandblasted, and they will be painted blue for the Bicentennial.

The cradle which will support the command/service module will be the first one delivered, on March 22. On March 24 two cradles to support the Saturn V third stage will be delivered, followed on April 9 by one of the cradles to support the second stage. The second cradle for the second stage will be delivered April 16.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

March 18, 1976
KSC 105-76

HEADQUARTERS BUILDING PAINTING CONTRACT AWARDED

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a contract to Henry Angelo and Sons, Coral Gables, Florida, for painting of the KSC Headquarters Building.

The \$43,200 contract, a set-aside for a small business firm, provides for calking and sealing, in addition to painting of the building. Completion of the project is to be within 120 calendar days after the contractor receives notice to proceed with the work.

Construction of the Headquarters Building was completed in 1965 and east and west wings were added in 1968. The building was last painted at the time of addition of the two wings.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
March 19, 1976
KSC 106-76

A. H. Lavender
305 867-2468

NOTICE TO EDITORS/NEWS DIRECTORS

ASTRONAUT JOHN YOUNG TO VISIT ORLANDO ON MARCH 26

KENNEDY SPACE CENTER, Fla.--During a visit of astronaut John Young to Orlando on Friday, March 26, he will be available for interviews with news media representatives between 2:30 and 4:30 p.m.

Should you desire to schedule an interview, please telephone the KSC Public Information Office, (305) 867-2468, at your earliest convenience.

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NASA News

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#1056

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
March 23, 1976
KSC 109-76

VIRGINIA COMPANY SELECTED FOR CONTRACT NEGOTIATIONS

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has selected the Bionetics Corporation, 18 Research Drive, Hampton, Va., for negotiations leading to a contract to provide standards and calibration support services over a three-year period.

The standards and calibration support contract, a small business set-aside, is for services now provided under the Center's contract with the Federal Electric Corporation for launch communications and instrumentation. Amount of the contract will be in excess of \$500,000 annually.

The Bionetics Corporation was one of ten companies submitting proposals in response to a Request for Proposal released August 20, 1975. The other companies were Atlantic Technical Services Corp., Casselberry, Fla.; CommTech Services, Inc., Tampa, Fla.; NEMCO, Inc., Kensington, Md.; New World Services, Inc., Titusville, Fla.; A. C. Notary Co., Titusville, Fla.; Precision Fabricating and Cleaning, Inc., Sharpes, Fla.; Rothe Development, Inc., San Antonio, Tex.; Symetrics Industries, Inc., Indian Harbor Beach, Fla.; and Texas Aerospace Services, Inc., Abilene, Tex.

The Kennedy Space Center is the nation's primary launch organization for manned and unmanned space missions. Launch operations for unmanned space missions are conducted at Cape Canaveral Air Force Station in Florida and the Western Test Range in California. The Center's Complex 39, launch site of Apollo manned lunar landing, Skylab and Apollo Soyuz Test Project missions, is now undergoing modifications in preparation for Space Shuttle launch and landing operations, with the first Space Shuttle launch scheduled in 1979.

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NASA News

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#1096

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
March 25, 1976
KSC 110-76

TWA SERVICES AWARDED BICENTENNIAL EXPOSITION CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$1,848,265 contract to TWA Services, Inc., to manage the Center's construction program in preparation for the Bicentennial Exposition on Science and Technology.

The cost plus fixed fee contract also provides for possible additional construction commitments of \$148,735, and other options, if required, totaling \$495,000.

Under terms of the contract, TWA Services will award sub-contracts and manage site preparation, construction of buildings, parking areas and other facilities; installation of utilities and dismantling of facilities at the end of the exposition.

The contract action definitizes a letter contract initiated on January 12, 1976 with TWA Services, the Center's concessionaire for operation of NASA Tours and the Visitors Information Center.

The Kennedy Space Center is host to the Government-sponsored Bicentennial Exposition, which will be open daily from May 30 through Labor Day.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

KSC 104-76
March 18, 1976

NOTICE TO EDITORS/NEWS DIRECTORS

LAUNCH OF RCA SATCOM-B SCHEDULED MARCH 25

KENNEDY SPACE CENTER, Fla.--The launch of RCA SATCOM-B, second of a new series of domestic communications satellites to be launched by NASA for RCA Corp., is scheduled March 25. A launch window extends from 5:48 to 6:08 P.M. EST.

A prelaunch news conference on the RCA SATCOM-B mission is scheduled March 24. News media representatives desiring to attend the News Conference will be provided transportation from the KSC Public Information Office, departing at 10:30 A.M.

News media representatives are invited to cover the launch from Press Site 1. No government transportation will be provided. Privately owned vehicles will be authorized to travel in convoy under escort to the press site. The convoy will depart the Ramada Inn at 4:15 p.m. March 25. Others may join the convoy at the Cape Canaveral Air Force Station Pass and Identification Building at 4:30 P.M.

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NOTE TO RADIO NEWS DIRECTORS:

Radio stations desiring to provide coverage of the launch, but unable to have a reporter at the Press Site, may obtain a live feed by telephoning the KSC Operator, 867-7110, and requesting connection with the V-2 circuit. Commentary is provided frequently from approximately T-1 hour and continuously from T-5 minutes through second stage engine cutoff.

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

BYD
#1090

For Release:

Darlene Hunt
305 867-2468

March 20, 1976
KSC 100-76

BREVARD COUNTY BOND DRIVE KICKOFF BREAKFAST TO BE HELD AT KSC

KENNEDY SPACE CENTER, Fla.--A kickoff breakfast will be held for the 1976 Brevard County "Take Stock in America" Savings Bond Campaign at KSC on Tuesday March 23. The breakfast will begin at 7:30 a.m. at the Launch Control Center (LCC) at Launch Complex 39.

Approximately 100 community leaders have been invited by Lee R. Scherer, Center Director and Chairman for the 1976 Brevard County Savings Bond Drive.

Among the guests expected for the event are: Pat Blumer, the 1976 Brevard County Volunteer Chairman for the U. S. Savings Bond Drive; Keith Williams and Jane Willoughby, State Director and Orlando Area Manager, respectively, of the U. S. Savings Bond Division, Department of the Treasury.

The purpose of the breakfast is to inform community leaders what the bond campaign is all about and to solicit support from the community.

Guests will be given a briefing on the U. S. Bicentennial Exposition to be held at KSC this summer, and will experience the simulated launch of an Apollo mission being prepared for the Bicentennial Exposition.

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78-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
March 30, 1976
KSC 111-76

MC GREGOR & WERNER AWARDED TWO-MONTH CONTRACT EXTENSION

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a two-month, \$246,696 extension of a contract for reproduction services to McGregor & Werner, Inc., 5411 Chillum Place NW, Washington, D. C.

The extension covers the period April 1, 1976 through May 31, 1976. This is the second extension to the basic contract, which was awarded on April 1, 1974, and brings the total value of the contract to \$3,474,247.

The contract is for printing, reproduction and microfilming/documentation services. The contract is a set-aside for small business concerns.

The Kennedy Space Center will be the site of Space Shuttle launches and landings, with the first launch scheduled in 1979.

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#105D

NASA Fact Sheet

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release
April 1, 1976
KSC 99-76

FUTURE NASA LAUNCHES

The Kennedy Space Center will launch an approximate average of 18 space missions per year through 1980, according to projected launch schedules.

Between April 1, 1976, and December 31, 1980, 83 launches are planned, including several as yet undesignated missions.

Seventy-two will be unmanned missions from NASA complexes at Cape Canaveral and the Western Test Range in California. Eleven will be manned orbital Space Shuttle missions launched from the Center's Launch Complex 39.

Delta rockets will launch 38 spacecraft from Cape Canaveral and 5 from the Western Test Range. Atlas-Centaur launch vehicles are scheduled for 21 missions and Titan-Centaur for two, all from Cape Canaveral complexes. Atlas-F rockets will launch six missions from the Western Test Range.

Over three-fourths of the unmanned launches will be on a reimbursable basis, with NASA being paid for the cost of the launch vehicles and associated launch activities. Such launches are conducted for private business, other Federal agencies, other governments and international agencies.

Countries and international agencies involved in cooperative space projects are Brazil, Canada, Japan, Indonesia, Italy, France, Germany, NATO, the European Space Agency and the International Telecommunications Organization.

Major programs of the 1976-80 period are listed below, indicating the launch sites and rockets to be employed (not included are those launches which have been approved but whose specific missions will not be determined until a later date).

-more-

57 1/2
83
57
26

NATO III--The third and fourth in a series of North Atlantic Treaty Organization advanced communications satellites will be launched in 1976.

WESTAR--The third in the series of spacecraft in a U.S. domestic communications satellite system will be launched in 1977.

ESA/GEOS--One Geodynamic Experimental Ocean Satellite for the European Space Agency, to demonstrate applicability of new instrumentation, will be launched in early 1977.

PALAPA--Two domestic communications satellites for Indonesia will be launched, with one scheduled in 1976, and one in 1977.

SIRIO--One communications research satellite for Italy will be launched in early 1977.

ESA/METEOSAT--One meteorology satellite for the European Space Agency will be launched in 1977.

ESA/OTS--An Orbital Test Satellite will be launched for the European Space Agency in 1977.

IUE--An International Ultraviolet Explorer, designed to obtain high-resolution ultraviolet data on spectra of many types and classes of astronomical data, will be launched in 1977.

SCATHA--An experimental Air Force satellite, referred to as Spacecraft Charging At High Altitudes, will be launched in 1978.

ISEE--Two International Sun-Earth Explorers will investigate, among other things, the solar-terrestrial relationships of the outermost boundaries of the Earth's magnetosphere. One is scheduled in 1977, one in 1978.

ESA/MAROTS--A Maritime Communications Satellite will be launched for the European Space Agency in 1977.

JAPAN GMS--A Japanese geostationary meteorology satellite will be launched in 1977.

JAPAN CSE--A Japanese communications satellite will be launched in 1977.

TELESAT--The fourth in a series of Canadian Domestic Communications Satellites will be launched in 1978.

78-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Samuel F. Hayes
305 867-2468

For Release:
April 2, 1976
KSC 113-76

CASSELBERRY FIRM AWARDED KSC CONTRACT EXTENSION

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a one-year, \$516,971 contract extension to Atlantic Technical Services Corp., 290 Iris Road, Casselberry, Fla., for mail and distribution support services.

The contract extension, for the period April 1, 1976 through March 31, 1977, is the second extension to the basic contract, which was awarded on January 1, 1975, bringing the total value of the contract to \$1,107,950. The earlier extension was for the period from April 1, 1975 through March 31, 1976.

The contract was set aside for a small business concern.

The Kennedy Space Center will be the site of Space Shuttle launches and landings, with the first launch scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

April 2, 1976
KSC 114-76

NASA TOURS VOLUME REMAINED HIGH IN MARCH

KENNEDY SPACE CENTER, Fla.--Excursions through the Spaceport and adjacent Cape Canaveral Air Force Station remained one of Florida's most popular tourist attractions in March as more than 118,000 visitors purchased NASA Tours tickets.

March volume of 118,211 brought the 1976 three-month total to 312,862, approximately 10,000 less than the record first three months of 1975. During March, 1975, a record month, 146,940 purchased tour tickets. The 1975 three-month total was 323,396.

"March, 1976, volume was considerably lower than last year's, but the March, 1975, record was achieved as a result of Easter vacation visitors. Easter is in mid-April this year, thus April visitor volume should be high and I anticipate 1976 totals for the first four months of the year will approach or exceed our all-time record," said P. A. Fagnant, Chief of KSC's Visitor Services Branch.

Easter was on March 31 in 1975 and will occur on April 18 this year.

Tours originate at the Spaceport's Visitors Information Center, where space vehicle hardware, exhibits, displays, movies and science lectures explaining the U. S. space program are provided at no cost to the public.

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78-4

NASA News

BKS
#1090

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
April 2, 1976
KSC 116-76

KENNEDY HONORS EIGHTY-TWO

KENNEDY SPACE CENTER, Fla.--Eighty-two Kennedy Space Center employees and four groups were honored today as they were presented awards at the Center's Awards Ceremony in the Training Auditorium.

Center Director Lee R. Scherer and Deputy Director Miles Ross, who announced the award recipients, commended the employees on the honors they received. James S. Martin, Viking Project Manager, Langley Research Center, specifically recognized awardees who participated in the launches of two Vikings to Mars in 1975.

Receiving the KSC Certificate of Commendation, an honorary award granted for an exceptionally high level of performance and the Center's highest award were William A. Berndt, Indian Harbour Beach; Mary Sue Carpenter, Cape Canaveral; John D. Gossett, Chester R. Norris, John R. Zeman and Harold Zweigbaum, Cocoa Beach; William F. Huseonica, Rockledge; Joseph C. Hand, Jr., Jack F. Baltar and John B. Parks, Merritt Island; and Creighton A. Terhune and James L. Womack, Titusville.

Superior Achievement Awards were received by William S. Brosier, Cocoa Beach, and Richard J. Mazurkiewicz, Satellite Beach.

A Group Certificate of Appreciation presented to the Bendix Launch Support Division was accepted by Dr. H. P. Bruckner, Cocoa Beach, General Manager. An individual Certificate of Appreciation was presented to Sellard D. Wellman, Merritt Island, Technicolor Graphic Services.

Group Achievement Awards were presented to three organizations. Elliott Zimmerman, Cocoa, accepted a group award to the Federal Electric Corporation Main Telemetry Branch; John Gossett, Cocoa Beach, accepted an award to the Expendable Vehicle Directorate's Viking Launch Operations Team; and Wilfred G. Jelen, Cocoa, accepted an award to the Information Systems Directorate's Operations and Data Management Team.

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Ramon L. Babb, Merritt Island, was the recipient of a Sustained Superior Performance Award.

Quality Step Increase awards were presented to Floyd A. Curington, Titusville; Elgin L. Kirkland, Merritt Island; Herbert D. McDilda and Douglas N. McLain, Merritt Island; and James E. Weir, Satellite Beach.

Billy M. Coble, Mims, and Frank C. Howard, Satellite Beach, were co-winners of awards as Cost Reduction Employee of the Year. Co-runners-up for Cost Reduction Employee of the Year awards were Charles C. Clift, Indialantic, and William R. Harris, Satellite Beach.

Directorate Cost Reduction certificates were presented to Ronald C. Meeker, Orlando; Clarence J. Crawl, Grover Haile and George E. Harrington, Cocoa Beach; George L. Walters, Enock L. Moser, Arthur E. Hubbard and Billy Childers, Merritt Island; Clifford Dillon and Earl W. Reinhart, Jr., Cocoa; and Virgil Anderson and Alex Welhan, Titusville. Welhan also received a letter from President Gerald R. Ford recognizing his outstanding cost reduction achievements.

Recipients of two new Center awards were Joe Richardson, Titusville, who was presented the KSC Equal Opportunity Award, and Linda Conway, Cape Canaveral, who was honored as KSC's Federal Woman of the Year.

Honored in recognition of completion of 40 years was Archie F. Young, Merritt Island.

Thirty-five year service awards were presented to John J. Avery, Jr., and Kenneth R. Behl, Merritt Island; Joseph M. Bobik, Mims; Victor E. Christensen, Samuel C. Grimbly, Benjamin W. Hursey and Vernon L. Jansen, Titusville; George E. Gogel, Indian Harbour Beach; George E. Harrington, Claude E. Leslie, Jr., William D. Lutz and John B. Moore, Cocoa Beach; and Joseph L. Stoeckl, Orlando.

Receiving 30-year service awards were Frederick N. Bailey, Donald D. Buchanan, Crayton Garrett, Willard L. Halcomb, Clarence C. Lambert, Arthur H. Moore, Isom A. Rigell, Noah L. Smalley, Edward F. Smith, William M. Thompson, Regina "Reggie" Vietor and Chester T. Wasileski, Titusville; Frank M. Childers, George R. Hall, John W. Fike, Truett C. Smith and Reuben L. Wilkinson, Cocoa; Benn Cowan and James E. Keck, Melbourne; Ramon L. Babb, Milton A. Cunningham and Mario Tomasetti, Merrit Island; Leo P. Davis, Mims; Sherman J. Evans, Wylma E. Green and Joe P. Robertson,

Jr., Indian Harbour Beach; Marvin H. Heckendorf, Satellite Beach; John C. Leeds, Jr., Richard H. Mundy, Parry W. Owens and James M. Scrivener, Cocoa Beach; Rosette H. Tucker, Melbourne Beach; Kennedy W. Smith, Winter Park; Henry W. Thayer, Sanford; and Kay Fidler and Charles Hines, Lompoc, California.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Samuel F. Hayes
305 867-2468

For Release:
April 6, 1976
KSC 117-76

KSC EXTENDS LIBRARY CONTRACT TO NEW WORLD SERVICES

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a one-year, \$235,000 contract extension to New World Services, Inc., 3910 South Washington Avenue, Titusville, Florida.

The contract extension is for continuation of library support services. New World Services operates Kennedy Space Center's Technical Library located in the Headquarters Building.

The fixed price contract extension covers the period April 1, 1976 through March 31, 1977, and brings the contract's total value to \$620,453. This is the second extension to the basic contract awarded on April 1, 1974. The first extension, awarded on April 1, 1975, was for \$205,185.

New World Services, which employs 15 people, was the first minority firm to graduate to regular Small Business status at the Kennedy Space Center.

This contract is one that is set aside for a small business firm.

The Kennedy Space Center will be the launch and landing site for the reusable Space Shuttle, which will begin flights in 1979.

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78-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Samuel F. Hayes
305 867-2468

For Release:
April 12, 1976
KSC 118-76

INDIAN HARBOUR BEACH FIRMS AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a ten-month, \$860,800 contract to Fulford Construction, Inc./Associated National Construction, Inc., a joint venture, 22 Tomahawk Drive, Indian Harbour Beach, Florida.

The fixed-price contract, set aside for a small business firm, is for hypergol maintenance facility modifications in five buildings in the Center's Fluid Test Complex area, in the KSC Industrial Area.

The buildings, originally used for processing Gemini modules, will serve as processing and storing units for the Space Shuttle Orbiter's Aft Propulsion and Forward Reaction Control Systems.

The contract, covering the period April 1, 1976 through February 1, 1977, provides for refurbishing the five buildings, modification of test cells, and the building of ground support equipment pads and work stands.

The Kennedy Space Center will be the launch and landing site for the reuseable Space Shuttle, with the first mission scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Darlene Hunt
305 867-2468

April 12, 1976
KSC 119-76

LOHSE TO MODERATE PANEL AT COST ACCOUNTING WORKSHOP

KENNEDY SPACE CENTER, Fla.--William M. Lohse, Director, Procurement Supply and Transportation, will moderate a panel on Indirect Cost Allocations, Standards 403 and 410, at a Cost Accounting Standards Workshop to be held on April 22. Registration for the workshop will be held between 8:00-8:30 a.m. in the Gleason Auditorium at the Florida Institute of Technology in Melbourne. The fee is \$20 per person, which includes lunch.

Other panel moderators include Dr. H. H. Conner, Jr., Director of Operations Analysis, Harris Corporation; and Ed LeHanka, Department Chief, Government and Industry Relations and Contract Review, Western Electric.

Bernard B. Lynn, Director of the Defense Contract Audit Agency will give the keynote address. The luncheon speaker will be Roger N. Boyd, partner in the law firm of Jones, Day, Reavis, and Pogue, Washington, D. C.

The purpose of the workshop is to bring government and contractor personnel who work in procurement or financial management areas up to date on the latest standards published by the Cost Accounting Standards Board. The Board, established by Public Law 91-379, is responsible for promulgating uniform cost accounting standards for use in connection with certain negotiated government contracts and subcontracts.

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BY
2/10/76

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NASA News

BXS
#1090

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release:
April 13, 1976
KSC 121-76

NOTICE TO EDITORS/NEWS DIRECTORS

NATO-III-A LAUNCH SCHEDULED APRIL 22

KENNEDY SPACE CENTER, Fla.--The launch of NATO-III-A, a North Atlantic Treaty Organization communications satellite, is scheduled April 22, 1976. Launch of the spacecraft atop a Delta booster from Complex 17, Cape Canaveral, is scheduled during a window extending from 3:46 to 4:43 p.m. EST

A prelaunch news conference on the NATO-III-A mission is scheduled Wednesday, April 21. Media representatives desiring to attend the news conference will be provided transportation from the KSC Public Information Office, Headquarters Building, departing at 10:30 a.m.

News media representatives are invited to cover the launch from Press Site 1. Bus transportation from Frank Wolfe's Beachside Motel, formerly the Ramada Inn, Cocoa Beach, will be provided. The bus will depart the Beachside Motel at 2:15 p.m., with a stop at the Cape Canaveral AFS Gate 1 Pass and Identification Building at 2:30 p.m.

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NASA News

National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

OKS
#109D

For Release:

A. H. Lavender
305 867-2468

April 21, 1976
KSC 127-76

ROSS AND CHAMBERS OUTLINE KSC EXPOSITION, VISITOR ACTIVITIES

KENNEDY SPACE CENTER, Fla.--More than a million visitors are expected to attend the Bicentennial Exposition on Science and Technology this summer, Kennedy Space Center Deputy Director Miles Ross told a breakfast meeting of the Cocoa Beach Chamber of Commerce today.

The breakfast meeting introduced chamber members to the KSC Visitor Center's new carousel cafeteria. TWA Services, Inc., a wholly-owned subsidiary of Canteen Corp. of America, KSC's concessionaire for operation of the Visitors Information Center, NASA Tours and the exposition, hosted the meeting.

Using a table model, Ross indicated locations of exposition exhibits in geodesic domes near the Vehicle Assembly Building and within the mammoth building, and discussed exposition planning.

The new fast food service facility and other improvements at the visitor center were explained by Harry B. Chambers, General Manager, TWA Services, Inc.

"The new carousel cafeteria will enable us to feed up to 1,300 persons an hour during peak days," Chambers said. "It is a customer convenience that will enable our visitors to stay longer and have more time to gain a better understanding of the space program."

Other visitor center improvements recently completed or underway were outlined, including a new array of flags overlooking the lake in front of the complex, construction of a new hall of history and addition of 1,000 parking spaces to bring the total to 3,000.

Total TWA Services expenditures for NASA Tours and visitor center operations totaled almost \$5 million in 1975, Chambers said. Salaries were \$1.6 million and purchases of food, souvenirs and other items totaled \$3.3 million.

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As the Kennedy Space Center's manager for construction of "Third Century America" facilities, TWA Services has awarded contracts totaling \$2.2 million of which approximately \$1.4 million went to Brevard County firms.

Cocoa Beach chamber president Jansen Davis, who presided at the meeting, introduced Ross and Chambers.

The Spaceport will host the Bicentennial Exposition, scheduled from May 30 through September 7.

Exhibits by 16 federal agencies and 10 leading U. S. industrial firms will provide visitors with a glimpse of "Third Century America," emphasizing ways the nation's achievements in science and technology will improve our lifestyle in the next 100 years.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

BXS
#109#

For Release:

Dick Young
305 867-2468

April 21, 1976
KSC 128-76

SPACELAB MODIFICATION CONTRACT AWARDED TO PAN AMERICAN

KENNEDY SPACE CENTER, Fla.--The first contract for the modification of KSC facilities to process the European-built Spacelab has been awarded to Pan American Technical Services Inc., Cocoa Beach, Fla.

The contract is for \$129,627 and covers architect/engineer services for the design of modifications to the Operations and Checkout Building which will convert it for Spacelab processing as part of the Space Shuttle program.

Spacelab, to be carried in the Space Shuttle Orbiter, has two elements - a pressurized manned laboratory module permitting scientists and engineers to work in a normal shirt-sleeve environment, and an instrument platform to support telescopes, antennae and other equipment requiring direct space exposure.

It is being designed, developed and built by nine member nations of the European Space Agency at a cost of \$300 to \$400 million. Like the Space Shuttle Orbiter, it is being designed for maximum reusability.

Spacelab will be carried into space for missions lasting up to 30 days. At the end of each flight, the Orbiter will make a runway landing and the Spacelab will be removed and prepared for its next mission.

The Spacelab engineering model to be used for facilities and Orbiter checkout is to arrive at KSC in July, 1978, and the first flight model should be received here in June, 1979.

The modifications for the Operations and Checkout Building include changes in utilities (gaseous nitrogen, helium, high pressure air, water, air-conditioning) and adaptation of the Apollo Acceptance Checkout Equipment rooms to make them compatible with ESA-furnished ground support equipment for automated Spacelab testing.

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KSC has been designated the prime launch and recovery site of the reusable Space Shuttle with launch of the first earth orbital mission scheduled for 1979.

The Spacelab is to be flown on its first mission in 1980.

The Operations and Checkout Building is located in the KSC Industrial Area. It was used for the assembly and checkout of Apollo spacecraft during the Apollo and Skylab Programs and the Apollo Soyuz Test Project, the joint manned mission with the Soviet Union successfully flown in July, 1975.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Samuel F. Hayes
305 867-2468

April 28, 1976
KSC 139-76

CALIFORNIA FIRM AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a three-month, \$219,500 contract to the Stevens Company, Lancaster, Calif.

Stevens Company, under the fixed price contract, will modify and remodel an existing hangar and annex at the North Base of Edwards Air Force Base.

The hangar and annex will be modified and remodeled into the Approach and Landing Test Office Complex, which will serve as a support unit for the Space Shuttle Orbiter's Approach and Landing Tests, scheduled to begin in 1977.

The modified Boeing 747 will carry the Orbiter to an altitude of 25,000 feet. The Orbiter will then separate from the Boeing 747 and the Orbiter's crew will glide it to a landing.

The contract was one set aside for a small business concern.

The first launch of the Space Shuttle will be from the Kennedy Space Center in 1979.

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NASA News

National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

BXS
#109E

Samuel F. Hayes
305 867-2468

For Release:
April 28, 1976
KSC 140-76

COCOA BEACH FIRM AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$42,917 contract to Pan American Technical Services, Inc., Cocoa Beach, Fla.

The fixed price contract is for architectural and engineering services during construction of the Fluid Test Complex modifications for the Space Shuttle.

Pan American Technical Services, Inc., under a \$331,389 contract awarded for the period January 15, 1975 to December 8, 1975, designed the modifications for the Fluid Test Complex. The 11-month, follow-on agreement for architectural and engineering services, brings the total contract value to \$374,306.

Pan American Technical Services will review and give advice on shop drawings, interpret modifying specifications, and assess construction contractor's value engineering proposals during modification of the Fluid Test Complex.

The first launch of the Space Shuttle, from the Kennedy Space Center's Launch Pad 39-A, is scheduled in 1979.

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78-4

NASA News

11/10
#109E

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Samuel F. Hayes
305 867-2468

May 4, 1976
KSC 163-76

COCOA BEACH COMPANY AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$51,878 contract to Speegle Construction Company, Cocoa Beach, Florida.

Under the fixed price contract, Speegle Construction Company will modify the existing fire water system and install a new fire and fog/deluge system at Delta Complex 17-A on Cape Canaveral Air Force Station. The systems are used to water down the launch pad after a rocket liftoff. The deluge system is capable of flooding the launch pad before a launch in case of fire, without causing damage to electrical wirings.

Complex 17-A, one of two Delta Complexes, is used to launch a variety of scientific and applications spacecraft.

Speegle will remove, relocate and refurbish portions of the piping, fittings and nozzles of the existing water system and install a new fire and fog/deluge system consisting of new piping, fittings, valves and fog spray nozzles.

The contract was one set aside for a small business concern and is scheduled for completion within 45 days.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Samuel F. Hayes
305 867-2468

For Release:
May 4, 1976
KSC 164-76

JACKSONVILLE FIRM AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$150,000 contract to Sverdrup & Parcel and Associates, Inc., Consulting Engineers, Jacksonville.

The 6-month, fixed-price award is for design of modifications to the Vehicle Assembly Building for Space Shuttle solid rocket booster refurbishment, paint and insulation facilities.

Two solid rocket boosters, the Orbiter's engines and a large external fuel tank makeup the Space Shuttle's main propulsion system.

The solid rocket boosters and the Orbiter will fire in parallel at lift-off. At an altitude of about 31 miles, the solid rocket boosters will separate from the Orbiter and external tank, descend by parachutes and land in the Atlantic Ocean about 170 miles from the launch site.

The solid rocket boosters will then be recovered by a ship and returned to the Kennedy Space Center for refurbishment and re-use.

Small elements of the solid rocket boosters will be refurbished at the Kennedy Space Center. Major elements will be shipped to the Thiokol Chemical Corporation, Brigham City, Utah, for refurbishment.

The first Space Shuttle will be launched from Kennedy Space Center in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AG 305 867-2468

For Release:

Dick Young
305 867-2468

May 6, 1976
KSC 167-76

ALABAMA FIRM SELECTED FOR CONTRACT NEGOTIATIONS

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has selected Management Services Inc., Huntsville, Ala., for negotiations leading to the award of a contract for component refurbishment and chemical analysis support services for a three-year period.

The component refurbishment and chemical analysis support contract, one set aside for small business, is for services now provided under the Center's support contract with the Bendix Corporation.

The amount of the contract will be in excess of \$1 million annually.

Management Services, Inc., was one of nine companies submitting proposals in response to a Request for Proposal released September 25, 1975.

Other firms responding included A. C. Notary, Titusville, Fla.; The Bionetics Corporation, Hampton, Va.; Di-Jay Inc., Seabrook, Texas; Mercury, Anaheim, California; Norton Engineering Inc., Oviedo, Fla.; Precision Fabricating & Cleaning Inc., Sharpes, Fla.; Technical Micronics Control Inc., Huntsville, Ala., and Wiltech of Florida Corp. Inc., Titusville, Fla.

The Kennedy Space Center is the nation's prime launch organization for manned and unmanned space missions with operational sites at KSC and the adjacent Cape Canaveral Air Force Station in Florida and the Western Test Range in Lompoc, California.

KSC has been designated the prime launch and recovery site of the reusable Space Shuttle, scheduled for its first orbital mission in 1979.

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78-4

NASA News

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#1098

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

May 6, 1976
KSC 155-76

NOTICE TO EDITORS/NEWS DIRECTORS

LAUNCH OF COMSTAR D-1 SCHEDULED MAY 13

KENNEDY SPACE CENTER, Fla.--The launch of COMSTAR D-1, first of a new series of domestic communications satellites developed by Comsat General Corporation, is scheduled May 13. A launch window extends from 6:00 to 7:08 p.m. EDT.

A prelaunch news conference on the COMSTAR D-1 mission is scheduled May 12. News media representatives desiring to attend the conference will be provided transportation from the KSC Public Information Office, Headquarters Building, departing at 10:30 a.m.

Media representatives are invited to cover the launch from Press Site 1. No government transportation will be provided. Privately owned vehicles will be authorized to travel in convoy under escort to the press site. The convoy will depart Frank Wolfe's Beachside Motel, formerly the Ramada Inn, Cocoa Beach, at 4:30 p.m. May 13. Others may join the convoy at the Cape Canaveral Air Force Station Pass and Identification Building at 4:45 p.m.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

May 12, 1976
KSC 169-76

TWA SERVICES CONTRACT MODIFIED FOR EXPOSITION OPERATION

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has expanded its concession agreement with TWA Services, Inc., Kennedy Space Center, Fla., to include operation of the Bicentennial Exposition on Science and Technology - 3rd Century America, which will be held at KSC from May 30, 1976 through September 7, 1976.

TWA Services will sell tickets, food and souvenirs, and will provide security, custodial, hospitality and parking services to accommodate crowds at the Exposition.

TWA Services, under its present concession agreement, operates KSC's Visitors Information Center and provides escorted bus tours of the Spaceport and adjacent Cape Canaveral Air Force Station. These services will continue during the exposition.

Sixteen federal agencies and many leading U. S. industrial firms will sponsor exhibits at the 3rd Century America Exposition, the only Government-sponsored exposition during the Bicentennial Year.

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NASA News

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11/10/76

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Samuel F. Hayes
305 867-2468

For Release:
May 18, 1976
KSC 174-76

KENNEDY INC., AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a contract for \$65,989 to Frank A. Kennedy Inc., Cocoa Beach, Florida.

The fixed price contract provides that the company supply the material and labor required to modify the Ordnance Storage Facility in the Kennedy Space Center's Industrial Area. The Space Shuttle's radioisotope thermal generation motors will be stored in the facility.

The work includes partitioning rooms in the main storage area; modifying the existing air conditioner, ventilation and interior and exterior lighting systems; construction of a security fence; and installation of new exhaust fans and filters.

The 108-day contract is a set aside for a small business firm.

The first launch of the reuseable Space Shuttle is scheduled from the Kennedy Space Center in 1979.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Samuel F. Hayes
305 867-2468

For Release:

May 18, 1976
KSC 175-76

JACKSONVILLE FIRM AWARDED KSC CONTRACT MODIFICATION

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$295,000 contract to Sverdrup & Parcel and Associates, Inc., Consulting Engineers, Jacksonville, Florida.

The fixed price contract is awarded as a modification to a previous award to modify the Vehicle Assembly Building for refurbishment of the Space Shuttle's solid rocket boosters.

The contract is for architectural and engineering services for designing modification to Hangar AF and the area north of the Saturn I dock area at Cape Canaveral Air Force Station. Hangar AF and the area north of the Saturn I dock area will be adapted to off-loading and disassembly facilities for the Space Shuttle's spent solid rocket boosters.

The 233-day contract brings the total basic contract value to \$445,000.

The first Space Shuttle will be launched from the Kennedy Space Center in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

FXS
#1096

Samuel Hayes
305 867-2468

For Release:
May 24, 1976
KSC 179-76

CONTRACT EXTENSION AWARDED TO PAN AMERICAN

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$74,313 contract extension to Pan American Technical Services, Inc., Cocoa Beach, Florida.

The contract extension is for architectural and engineering services for additional designs for the Hypergolic Maintenance Facility at the Kennedy Space Center's Fluid Test Complex area.

The Hypergolic Maintenance Facility will be used to process the hypergolic modules of the reusable Space Shuttle Orbiter. The rest of the Orbiter will be processed in the Orbiter Processing Facility now under construction.

Under the fixed price contract extension Pan American will design propellant and gas piping, cables, power supply circuit, platform flip-ups, cable trays, and miscellaneous hangars and support equipment for the Hypergolic Maintenance Facility.

This 124-day extension brings the total value of the contract to \$450,254. The basic contract, awarded January 15, 1975, for design modifications to the Fluid Test Complex area and the Launch Control Center for the Space Shuttle Program, totaled \$375,941.

The first Space Shuttle launch is scheduled from the Kennedy Space Center in 1979.

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78-4

NASA NEWS

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

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For Release:

Darleen Hunt
305 867-2468

May 27, 1976
188-76

SUNDAY DRIVE-THROUGH TOURS OF KSC SUSPENDED DURING SUMMER

KENNEDY SPACE CENTER, Fla.--Sunday drive-through tours of the Kennedy Space Center will be suspended for the summer effective, Sunday, May 30.

The public will be permitted direct access to the U. S. Bicentennial Exposition site in the Launch Complex 39 area, but all other areas will be off limits for the duration of the Exposition which runs through September 7.

Drive-through tours of the Cape Canaveral Air Force Station and access to the Air Force Space Museum via Gate 1, will also be suspended May 30 but will resume June 6 and continue through the summer.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

June 1, 1976
KSC 193-76

TOURS INCREASE WITH OPENING OF "3RD CENTURY AMERICA"

KENNEDY SPACE CENTER, Fla.--Guided bus tour patronage of the Kennedy Space Center and Cape Canaveral Air Force Station reached 61,788 during May, bringing the total for 1976 to 482,190.

This compares with 64,419 for May, 1975, a percentage drop of 4.1 percent. Cumulative patronage thus far in 1976 compares with 489,154 for the first five months of 1975, down 1.4 percent.

A significant upswing in tour patronage took place on May 30 and May 31 with the opening of 3rd Century America, the U. S. Bicentennial Exposition on Science and Technology, to the public.

The tours figure for May 30 was 2,608 and that for May 31 was 2,383, up 48.7 and 30.2 percent, respectively, over the corresponding dates in 1975.

"A very large percentage - about 70 percent - of those buying tour tickets are opting for the combination packages which include admission to 3rd Century America," said P. A. Fagnant, Chief of KSC's Visitors Services Branch.

During the Bicentennial Exposition, the tours will not include Complex 39 but will embrace KSC's Industrial Area with its lunar diorama and the historically significant launch complexes on Cape Canaveral Air Force Station.

"The combination package includes both the tour and 3rd Century America," said Fagnant. "It would be very difficult for anyone to see both the Exposition and take in the tours in a single day unless you come early. Exposition admissions bought as part of the tour package will be valid through September 7."

Nearly 10 million visitors have taken guided bus tours of the Brevard aerospace complex since they were initiated in 1966. The 10 millionth patron is expected sometime in July.

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Guided bus tours originate from KSC's Visitors Information Center, which is accessible from U. S. Route 1 two miles south of Titusville or State Road 3 on Merritt Island.

The Visitors Information Center offers a wide variety of dynamic and static exhibits on space applications and techniques as well as space movies and science lectures and demonstrations.

Guided bus tours of KSC and Cape Canaveral Air Force Station are operated every day of the year with the exception of Christmas.

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78-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Dick Young
305 867-2468

For Release:
June 2, 1976
KSC 201-76

NOTICE TO EDITORS/NEWS DIRECTORS

LAUNCH OF MARISAT-B SCHEDULED JUNE 9

KENNEDY SPACE CENTER, Fla.--The launch of Marisat-B, second in a series of commercial maritime communications satellites, is scheduled for June 9. The first launch window extends from 7:10 - 7:26 p.m. EDT. A second launch window is available from 8:02 through 8:52 p.m. EDT.

A prelaunch news conference on the Marisat-B mission will be held on June 8 at 11 a.m. News media representatives desiring to attend the conference will be provided transportation from the KSC Public Information Office, KSC Headquarters Building, leaving at 10:30 a.m.

Media representatives are invited to cover the launch from Press Site 1 at Cape Canaveral Air Force Station. No government transportation will be provided. Privately owned vehicles will be authorized to travel in convoy under escort to the press site. The convoy will leave Frank Wolfe's Beachside Motel (formerly the Ramada Inn) in Cocoa Beach at 5:40 p.m. on June 9. Others may join the convoy at the Cape Canaveral Air Force Station Pass and Identification Building at 5:55 p.m.

Marisat-B is to be launched aboard Delta 124 from Pad A at Complex 17 by KSC's Expendable Vehicles Directorate. The Marisat maritime communications satellites are owned by the Comsat General Corp.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

June 3, 1976
KSC 201-76

SPACEPORT CONTRACT AWARDED TO MANAGEMENT SERVICES INCORPORATED

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$1,105,930 contract to Management Services Incorporated, Huntsville, Ala., for operation of component refurbishment and chemical laboratories.

The one-year cost-plus-award fee contract, extending from June 1, 1976, through May 31, 1977, provides for the Huntsville, Ala., firm to provide qualified technical and administrative personnel on a specified level of effort basis to operate the laboratories.

The Kennedy Space Center conducts unmanned science and applications launches from complexes at Cape Canaveral Air Force Station and the Western Test Range, Lompoc, California, and is modifying Spaceport facilities for Shuttle launch and landing operations. The first Space Shuttle launch is scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

June 3, 1976
KSC 202-76

KENNEDY SPACE CENTER EXTENDS BOEING CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$14,944,594 contract extension to the Boeing Company's Field Operations and Support Division for continuance of support of NASA operations at the Spaceport and Cape Canaveral Air Force Station.

The cost plus fixed fee contract extension, for the period from June 1, 1976 through January 31, 1977, provides for Boeing support in the areas of test support management, plant engineering and maintenance, supply and transportation operations, documentation, fire prevention and protection, rescue services, quality assurance, security and training. The extension brings the total value of the Boeing contract for the period March 1, 1971, through January 31, 1977, to \$145,568,963.

The contract also provides for one-month extension options for February, March, and April, 1977, in the maximum amount of \$5,902,714.

The Kennedy Space Center launches unmanned scientific and applications space vehicles from complexes at Cape Canaveral and the Western Test Range, Lompoc, Calif., and is modifying facilities at the Spaceport for Space Shuttle launch and landing operations. The first Space Shuttle launch is scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

June 3, 1976
KSC 202-76

SECOND PHASE CONTRACT FOR ORBITER PROCESSING FACILITY AWARDED
TO NEW JERSEY COMPANY

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a contract for \$3,926,600 to Frank Briscoe Company, Inc., East Orange, N. J., for construction of the second phase of the Space Shuttle Orbiter Processing Facility.

The New Jersey firm was awarded a contract for \$8,733,300 for the first phase of the construction in July, 1975.

The Kennedy Space Center has been designated the prime launch and recovery site for the reusable Space Shuttle, scheduled for its first manned orbital launch from here in early 1979.

The Orbiter Processing Facility is being built west of the Vehicle Assembly Building at Launch Complex 39. It is in the OPF that shuttle orbiters will be safed, serviced and maintained after returning from flights into space and prepared for their next mission.

The Orbiter Processing Facility will consist of a low bay area measuring 290 feet long, 97 feet wide and 25 feet high. On each side of the low bay will be a high bay area 95 feet high. These bays - 200 feet long and 150 wide - will meet "clean room" conditions.

The Phase I work now well underway includes a building with 55,000 square feet of floor space - 30,000 in the high bay area, 23,000 in the low bay and 2,000 in a mezzanine.

The second phase of work included in the new award consists of building the second high bay, site preparation for the Orbiter Towway apron and the completion and connection of support and utility systems.

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Page 2
KSC 202-76

The new award covers the period May 26, 1976, through August 25, 1977.

The reshaping of KSC's Complex 39 for its new role in the Space Shuttle era is well underway. Construction of the 15,000-foot-long, 300-foot-wide landing facility to the northwest of the VAB has been completed.

The VAB, Mobile Launchers and Complex 39's Pad A as well as other facilities are also being modified for new roles in the Space Shuttle era. Adapting existing structures for use in the Space Shuttle program helps keep costs for shuttle-related facilities to a minimum.

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8-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867 2468

For Release:

Samuel F. Hayes
305 867-2468

June 4, 1976
KSC 198-76

KENTUCKY STATE UNIVERSITY AWARDED KSC GRANT EXTENSION

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$40,214 12-month extension of a grant to Kentucky State University, Frankfort, Kentucky, to continue study of the effects of various oxygen atmospheres on animals.

The vinegar fly, *drosophila melanogaster*, which has been grown and tested under 5%, 20% and 60% oxygen concentration, is the animal under study. The normal oxygen content of the earth's atmosphere is 21%.

Over the past two years Kentucky State studies have shown that for up to 20 days the vinegar flies living in a 60% oxygen environment had a survival rate similar to the vinegar flies living in 20% oxygen. After 20 days the vinegar flies exposed to a 60% oxygen atmosphere died.

At the 5% and 20% oxygen content levels, the survival rates of the initial generation of the vinegar flies were the same. Tissue studies of the vinegar flies indicated that exposure to a 60% oxygen environment caused physical changes, including accelerated aging and nervous system problems.

Under this extension the researchers will concentrate their studies on the mortality, fertility and gene frequencies of the vinegar fly over 10 or more generations.

Additional data on survival rates, reproductive potential and genetic changes of the vinegar fly may aid in establishment of improved oxygen content in manned spacecraft atmospheres during future manned missions, and in the selection of humans to participate in manned space missions and deep-sea dives.

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Page 2
KSC 198-76

This extension, awarded May 1, 1976, brings the total grant value to \$98,940. The basic grant, awarded May 1, 1974, was for \$37,210, and the first extension, awarded May 1, 1975, was for \$21,516.

The launch of the first reusable Space Shuttle, the next U. S. manned space flight, is scheduled in 1979. The Kennedy Space Center will be the primary launch and landing site for the Space Shuttle.

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78-4

NASA News

BOS
#1096

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

Dick Young
305 867-2468

For Release:
June 10, 1976
KSC 222-76

SHARPES COMPANY AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$339,640 contract to Precision Fabrication and Cleaning, Inc., Sharpes, Florida.

The cost-plus-fixed-price contract provides for testing, refurbishing and modifying the Kennedy Space Center's compressed gas trailers. There is a fleet of 64 compressed gas trailers at the Kennedy Space Center.

The trailers are used to provide mobile distribution of high pressure helium, nitrogen, oxygen, hydrogen and air in support of the Space Shuttle, expendable launch vehicles and institutional projects at the Center.

This one-year contract is one set-aside for a small business concern.

The Kennedy Space Center will be the main launch and landing site for the reusable Space Shuttle. The first launch of the Space Shuttle will be in 1979.

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78-4

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#1096

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Mark Hess
867-3200

June 10, 1976
KSC 223-76

TITUSVILLE COMPANY AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$139,000 contract to K & K Electric, Inc., Titusville, Fla.

The fixed price contract provides for the installation of additional sensors and controls, air conditioning power, instrumentation and control wiring to the present utility control system in Kennedy Space Center's industrial area.

The additional controls will simplify and extend present monitoring capabilities of the heating, ventilating, air conditioning and hot water systems in the Central Instrumentation Facility, Operations and Checkout Building, Flight Crew Training Building, Communications Distribution and Switching Center, and CIFA Building.

The 240-day contract is one set aside for small business concerns.

The Kennedy Space Center is the nation's prime launch organization for manned and unmanned space missions with operational sites at KSC and the adjacent Cape Canaveral Air Force Station in Florida and the Western Test Range in Lompoc, California.

KSC has been designated the prime launch and recovery site of the reusable Space Shuttle, scheduled for its first orbital mission in 1979.

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NASA News

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#109F

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867 2468

A. H. Lavender
305 867-2468

For Release:
June 22, 1976
KSC 267-76

KENNEDY SPACE CENTER EXTENDS DESIGN ENGINEERING CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$19,464,511 contract extension for engineering support services to Planning Research Corporation, McLean, Va.

The 12-month cost plus award fee contract extension provides for Planning Research to continue design engineering support services for the Space Shuttle program and other engineering activities for which KSC's Design Engineering Directorate has design responsibility from May 20, 1976 through May 19, 1977.

Work is performed at the Kennedy Space Center and Cape Canaveral Air Force Station, Florida, Dryden Flight Research Center, Edwards AFB, Calif., and KSC's Western Launch Operations Division, Vandenberg AFB, Calif.

The contract extension brings total amount of the contract, originally awarded on May 20, 1974, to \$44,533,777. The first year's contract was for \$8,872,730 and the second year's for \$16,196,536. The company employs approximately 900.

The Kennedy Space Center is modifying Apollo/Saturn facilities and constructing new installations for Space Shuttle processing.

The Center will be the launch site for Space Shuttle vehicles and the primary landing site for Orbiters upon completion of their missions. The original Space Shuttle launch is scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

BFS
E109K

For Release:

A. H. Lavender
305 867-2468

June 25, 1976
KSC 280-76

SPACEPORT DRAFTING SYSTEM CONTRACT TO BURLINGTON FIRM

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$402,146 contract to Applicon Incorporated, 154 Middlesex Turnpike, Burlington, Mass., to furnish equipment for modification and reconfiguration of the Center's automated drafting system.

The contract also provides for Applicon to furnish parts and maintenance for the system during the period April 1, 1976 through March 31, 1977:

The automated drafting system is used for production of engineering drawings of Space Shuttle facilities and ground support equipment.

The Kennedy Space Center is modifying Apollo/Saturn launch facilities and constructing new installations for Space Shuttle launch operations and Shuttle Orbiter landings.

The first launch of the Space Shuttle, with reusable solid rocket boosters and an Orbiter that will reenter the atmosphere upon completion of a mission and land on a runway at the Center, is scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Iris Sullivan
305 867-2468

June 25, 1976
KSC 281-76

NEW WORLD SERVICES CONTRACT EXTENDED

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$211,382 five and one-half month contract extension to New World Services, Titusville, Fla. for automatic data processing keypunch services.

The extension for the period June 15, 1976 through November 30, 1976 brings the total contract value to \$2,245,544.

The contract award was the result of a set-aside for small business and disadvantaged firms. NASA is actively pursuing efforts to increase participation of minority business firms in its procurement program by assisting and fostering qualified firms in achieving productive and economic stability in a competitive business environment.

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78-4

BYS
#1096

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

June 30, 1976
KSC 310-76

NOTICE TO EDITORS/NEWS DIRECTORS

LAUNCH OF PALAPA-A SCHEDULED FOR JULY 8

KENNEDY SPACE CENTER, Fla.--The launch of Palapa-A, first of two Indonesian domestic communications satellites, will be launched by KSC aboard a Delta rocket from Complex 17 at Cape Canaveral Air Force Station no earlier than Thursday, July 8.

The July 8 launch window extends from 7:31 to 8:28 p.m. EDT.

A prelaunch news conference on the Palapa-A mission is to be held at 11 a.m. on Wednesday, July 7. News media representatives desiring to attend the conference should be at the News Center, Room 1207, KSC Headquarters Building, by 10:30 a.m.

Transportation will be provided to and from the press conference.

Members of the media may cover the launch from Press Site 1 at Cape Canaveral Air Force Station. A press bus will leave from Frank Wolfe's Beachside Motel - formerly the Ramada Inn - on Cocoa Beach at 6 p.m. A stop will be made at the Cape Canaveral Air Force Station Pass and Identification Building at 6:15 p.m.

Media representatives who wish to travel to and from Press Site 1 in their own automobiles may join the convoy at Cocoa Beach or at its stop at Cape Canaveral Air Force Station.

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12-3
#1096

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

July 8, 1976
KSC 317-76

3RD CENTURY AMERICA EXHIBIT DEPICTS VIKING LANDING ON MARS

KENNEDY SPACE CENTER, Fla.--The first of two Viking spacecraft has ended a 10-month, 400-million mile journey to Mars and is now in orbit around the red planet scouting out its landing site.

The lander could be detached for the descent to the Martian surface in the northwest portion of the Chryse region as early as 6 a.m. EDT on Saturday, July 17.

For those who wish to follow this intense scientific drama, there's no better place than 3rd Century America, the U. S. Bicentennial Exposition of Science and Technology underway at NASA's John F. Kennedy Space Center through September 7.

A test cell in the Vehicle Assembly Building low bay has been transformed into a realistic Mars-scape with a full-scale engineering model of the Viking landers which will probe the secrets of the fourth planet from the Sun.

The exhibit explains the missions of the two Viking spacecraft launched by KSC in 1975 to explore the planet. The Mars-scape, painted by eminent Virginia artist Barkley Sheaks, surrounds a surface of red astroturf, bringing stark realism to the exhibit area.

The full-scale operating model of the Viking lander is located on a red, sandy surface, its soil sampler moving on command to stimulate the extraction of Martian surface materials and their placement in the spacecraft's "laboratory" for an analysis which may give scientists clues as to the present or past existence of life on the small, red planet.

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Near the lander portion of the exhibit, visitors look upward to view a scale model of a Viking orbiter positioned as it has been to focus its electronic gaze on the Martian surface since going into orbit on June 19.

A large detailed map of Mars as photographed by Mariner is located on the south wall, its features explained by slides and a taped narration.

The exhibit points out what we know about Mars and what we hope to learn from Viking.

The exhibit will offer another feature beginning with landing of the first Viking. "Live" mission status reports and mission photography relayed from the Jet Propulsion Laboratory in Pasadena, California, will be made available in the exhibit area.

The twin Vikings were launched by KSC from Complex 41 at Cape Canaveral Air Force Station aboard Titan/Centaur rockets in 1975. Viking 1 was launched on August 20 and Viking 2 followed on September 9.

Both spacecraft were placed on long, looping trajectories carrying them out from the Earth's orbit to intercept the orbit of Mars.

The twin Vikings will photograph Mars from orbit and on the surface and conduct a detailed scientific examination of the planet, including a search for life.

Viking 1 went into Mars orbit on June 19. Data from the orbiter indicated the original landing site on Chryse was too perilous to commit the lander to descent and touchdown, leading to selection of an alternate site 188 miles to the northwest.

Inspection of the new site remains in progress while mission controllers conduct a number of orbital trim maneuvers to bring Viking 1 into the correct position to descend to the new site.

Viking 2 is approaching the planet at the rate of 250,000 miles per day and should go into orbit on August 7. The second Viking is tentatively scheduled to detach its lander for the descent to the Martian surface on September 4.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

BYS
#1096

For Release:

Hugh Harris
305 867-2468

July 8, 1976
KSC 321-76

NOTICE TO EDITORS/NEWS DIRECTORS

SAUDI ARABIAN PRINCE TO VISIT SPACEPORT

KENNEDY SPACE CENTER, Fla.--His Royal Highness, Prince Abdallah bin Abd al-Aziz Al-Sa'ud of Saudi Arabia will visit the Kennedy Space Center Monday, July 12 as part of an official visit to this country at the invitation of the Honorable Donald Rumsfeld, Secretary of Defense.

The Prince is Second Deputy Prime Minister of Saudi Arabia, Commander of the National Guard and third in succession to the throne.

The Department of Defense is assisting Saudi Arabia in its program to modernize several units of the National Guard. The Prince began his visit to this country with meetings with President Gerald R. Ford, Vice President Nelson Rockefeller, Secretary Henry Kissinger and Secretary Rumsfeld. He is presently touring various military installations and locations of interest in other parts of the country.

The Prince's visit is primarily a photo opportunity, and news people are invited to cover it. No interviews will be given and it is not expected that any official statements will be made by the Prince's party.

News people desiring to cover his arrival and tour of 3rd Century America should be at the 3rd Century America news center at 12:15 p.m. Monday. If you have any questions please call the regular Information Office at 867-2468 or the news center at 867-3200. The news center is open from 9:30 to 6:00 p.m., seven days a week.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Iris Sullivan
305 867-2468

July 12, 1976
KSC 329-76

MIAMI FIRM AWARDED KSC CONTRACT

KENNEDY SPACE CENTER, Fla.--The John F. Kennedy Space Center has awarded a \$116,000 fixed price contract to Sanders and Thomas Inc. of Miami, Florida to design the modifications of the parachute facility at KSC to be used for Shuttle Program use.

The parachute facility, located south of the Operations and Checkout Building was originally built as a parachute/paraglider facility for the Gemini Program. It has also been used as a public affairs news center.

The building will be used to refurbish the Solid Rocket Booster parachutes. They will be retrieved in the ocean, put on reels, brought on cables by truck to the building where they will be washed, dried, refurbished, and repacked.

Construction will be finished in July 1978. The design of the modifications are supposed to be completed by November 30, 1976. The building will first be used in 1977 when the shuttle is tested.

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78-4

NASA News

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#1096

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Al Lavender
305 867-2468

July 14, 1976
KSC 333-76

ORBITER FUEL CELL SERVICING SYSTEM CONTRACT TO BEECH AIRCRAFT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a \$2,250,000 contract for development of a Space Shuttle Orbiter fuel cell servicing system to the Beech Aircraft Corporation, Boulder, Colorado.

The contract provides for Beech Aircraft to design, fabricate, test and deliver the complete cryogenic, remotely controlled unit that will provide liquid hydrogen and liquid oxygen for Orbiter fuel cells. Delivery of the system to the Kennedy Space Center is to be completed by December 1, 1977.

An Orbiter will receive electrical power from three fuel cells that use cryogenically stored hydrogen and oxygen. Each fuel cell will be connected to a separate power bus. During periods of peak or average power loads all three fuel cells will be used, while only two will be used during minimum power loads.

The Kennedy Space Center is modifying Apollo/Saturn facilities and constructing new processing facilities for Space Shuttle operations, with the first launch scheduled in 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

July 15, 1976
KSC 337-76

NOTICE TO EDITORS/NEWS DIRECTORS

COMSTAR LAUNCH SCHEDULED JULY 22

KENNEDY SPACE CENTER, Fla.--The launch of Comstar D-2, the second in a series of domestic communications satellites of COMSAT General Corporation, will be launched July 22.

Comstar D-2 will be launched on an Atlas-Centaur booster from Complex 36, Cape Canaveral, during a window extending from 6:04 to 7:13 p.m. EDT.

A prelaunch news conference on the Comstar D-2 mission is scheduled July 21. Media representatives desiring to attend should arrive at the Public Information Office, Headquarters Building, by 10:30 a.m. Transportation to the news conference will be provided.

Those desiring to cover the launch from Press Site 1 on July 22 will be badged at Frank Wolfe's Beachside Motel (formerly the Ramada Inn), Cocoa Beach. No government transportation will be provided. Privately owned vehicles will travel to the Press Site in convoy under escort. The convoy will depart Frank Wolfe's at 4:30 p.m. Others may join the convoy at 4:45 p.m. at the Gate 1 Pass and Identification Building, Cape Canaveral Air Force Station.

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78-4

NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender, KSC 305 867-2468
Curtis Hunt, MSFC 205 453-0034

July 19, 1976
KSC 341-76

MARSHALL AND KENNEDY CENTERS TESTING BOOSTER MATERIALS

KENNEDY SPACE CENTER, Fla.--Two NASA centers have completed successfully the first phase of a test program to determine the effects of salty and brackish water on materials being considered for use in the Space Shuttle.

The Marshall Space Flight Center and the Kennedy Space Center are testing materials being considered for use in the Solid Rocket Booster (SRB). The Shuttle is a reusable launch vehicle being developed by NASA for use in the 1980s.

Information of the effects of salty and brackish waters, water-borne contaminants and marine growth on the material is needed because the recovery of two SRBs after each launch will involve towing the boosters in the salty Atlantic Ocean and in the brackish waters of the Banana river.

The SRB recovery sequence involves separating and parachuting the used boosters into the Atlantic Ocean, from which they are captured by an ocean tug and towed back to KSC, including passage in the Banana River.

The tests were conducted using the SRB Structures Integrated Test Bed (ITB) which is 2.7 meters (eight feet) long and three meters (10 feet) in diameter. The ITB was constructed from the same materials and protected from corrosion with the same sealants and paints as planned for flight SRBs.

Also, attached to the ITB were samples of electronic boxes, electrical connectors and hydraulic systems which are under consideration for SRB use.

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The test bed was then shipped to KSC where it was placed in the ocean for seven days and the Banana River for three days. The depth of the test item in the water, 80 per cent submerged, was very closely controlled to simulate actual booster recovery conditions.

The ITB has now been returned to the Marshall Center where engineers and technicians are examining it to determine the effects of the ocean and river environments. Inspections are for such things as corrosion and marine biological growth.

With the completion of this study, the second phase of the test program will start, probably in September, with the refurbished ITB being placed in the ocean by KSC personnel.

The Marshall Center is responsible for development of the SRB and for the Space Shuttle Main Engine, three of which will provide sustaining power for the Shuttle, and for the External Tank, which will carry the liquid propellants for the main engines.

The Orbiter, which will carry the crew and payload, is being developed under direction of the Johnson Space Center.

The Kennedy Space Center will be the launch site of the Space Shuttle vehicles and the primary Orbiter landing site. The Center is responsible for Space Shuttle assembly, checkout and launch and refurbishment of Orbiters upon completion of their missions.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
305 867-2468

For Release:

Dick Young
305 867-2468

July 20, 1976
KSC 347-76

CHICAGO FIRM AWARDED SPACE SHUTTLE FACILITIES CONTRACT

KENNEDY SPACE CENTER, Fla.--NASA's John F. Kennedy Space Center has awarded a contract for \$3,452,000 to the Mayfair Construction Co., Chicago, Ill.

The contract is for installation of an Orbiter Processing Workstand, high pressure gas and cryogenic fluid piping and electrical cable systems in the Orbiter Processing Facility now under construction at the Kennedy Space Center.

The Kennedy Space Center has been selected as the prime launch and recovery area for the reusable Space Shuttle which will make its first flight in 1979.

The Space Shuttle Orbiter will be launched like a rocket, operate in orbit like a spacecraft and then land like an aircraft at the conclusion of its mission in space.

After landing at a 15,000-foot-long, 300-foot-wide landing strip near the Vehicle Assembly Building, it will be moved into the Orbiter Processing Facility for servicing and preparation for its next mission.

Mayfair's work in the Orbiter Processing Facility is to begin on July 19, 1976, and should be completed by August 1, 1977.

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78-4

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
305 867-2468

For Release:

Iris Sullivan
867-2468

July 22, 1976
KSC 350-76

SHUTTLE LANDING FACILITY RECEIVES FAA APPROVAL

KENNEDY SPACE CENTER, Fla.--The landing facility here for the Space Shuttle orbiter on its return from missions in space has been granted a Limited Airport Operating Certificate by the Federal Aviation Agency.

The certificate was presented to KSC Director Lee R. Scherer Thursday afternoon by William E. Eckenrod, Federal Aviation Administration Airport Certification Division, Atlanta, Ga.

Eckenrod made an onsite inspection of the 15,000-foot-long, 300-foot-wide Orbiter Landing Facility prior to the presentation.

It was considered appropriate that Scherer receive the certificate because he made the first official landing on the runway in May.

The certificate permits certified air carriers to make nonscheduled flights to and from the Orbiter Landing Facility. The runway will remain partially restricted in that it will not be fully operational to commercial traffic and will be used on a limited basis.

The runway at KSC's Orbiter Landing Facility is among the world's most impressive in terms of length and width and includes a 1,000-foot overrun at each end of the 15,000-foot-long strip.

A paved runway at the Dryden Flight Research Center at Edwards AFB, California, matches the orbiter runway in length and width and has an overrun of 1,800 feet extending into a dry lake bed.

In general terms, the KSC runway is roughly twice as long and twice as wide as the average commercial landing facilities. The only commercial airport with a runway comparable in length is JFK International in New York where the longest runway is 14,572 feet. That strip's width, however, is only 150 feet.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Darleen Hunt
305 867-2468

July 26, 1976
KSC 353-76

KSC TO OBSERVE FEDERAL WOMEN'S WEEK AUGUST 2-6

KENNEDY SPACE CENTER, Fla.--KSC will observe its second annual Federal Women's Week August 2-6 with workshops and guest speakers scheduled in the KSC Training Auditorium on Monday, Wednesday and Friday.

The theme of the week's activities, "Women -- Third Century," will emphasize the equality of opportunity for women and men to compete and advance in all career fields, eliminating or reducing the practice of stereotyping women and men according to roles and images, and developing educational, promotional, and training opportunities for all employees.

After an official welcome by Center Director Lee R. Scherer, the Honorable Elizabeth Athanasakos will deliver a presentation "...To Form A More Perfect Union..." on Monday morning.

Athanasakos was recently appointed by President Ford as the presiding officer of the International Women's Year Commission. She is currently the president of the Florida Association of Women Lawyers and the second vice president of the Florida Federation of Business and Professional Women's Clubs. She has a private law practice in Ft. Lauderdale and was formerly a municipal judge, an attorney for the Broward County supervisor of elections, and an assistant attorney for the Port Everglades Authority.

She is active in a number of political organizations, and has received many awards and honors. She is presently a delegate to the Hemispheric Conference for Women '76, serving on the Florida Regional Committee of the U. S. Commission of Cooperation which convenes in Miami, on August 5-8.

On Wednesday morning a panel discussion entitled "Women -- Employment, Education, Politics and the Law" will be presented by Diane Carter, U. S. Department of Labor; Kay Elledge, BCC; Representative Jane Robinson, Florida State Legislator; and Pearl Smith, Attorney at Law, Cocoa.

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Friday will feature an address by Miles Ross, KSC deputy director, followed by a presentation by the Honorable Virginia R. Allan, Deputy Assistant Secretary of State for Public Affairs, U. S. Department of State. "The Year That Became A Decade" is the title of her speech. Her responsibilities include development of new and improved working relationships between the Department of State and local, regional and national non-governmental organizations representing the range of public interests in U. S. foreign relations. Allan chaired the working group which established the U. S. Center for International Women's Year and served as co-chairperson of the organization of Economic Cooperation and Development Meeting on the Role of Women in the Economy. She was named by the President as chairperson of the Task Force on Women's Rights & Responsibilities and is a member of the Citizens Advisory Council on the Status of Women.

Nine workshop programs are scheduled and are certain to be successful. Through pre-registration, all were filled a week in advance. The workshops include:

- * "Psychological Aspects that Influence of Attitudes and Beliefs" -- Dr. Hal W. Hendrick, Defense Race Relations Institute, PAFB.
- * "Transactional Analysis" -- Jeryn Freeman, Pat Lampert, and Marilyn VanderLugt, BCC WENDI Program.
- * "Classification, The New Factor Evaluation System" -- Richard E. Uhrmann and Jack Scarborough, KSC Personnel.
- * "Your SF 171 and How To Move Up Without Moving Out" -- Ocie Hall, NASA Federal Women's Program Coordinator, and Dr. Charlotte Silbaugh, NASA Headquarters.
- * "EEO and How To Use the Regulations" -- Nathaniel Pilate and Clifton Barnett, Equal Opportunity Office, KSC.
- * "Feminism" -- Federal Women's Working Group members, Marilyn Thedy, Edna Hooper and Pat Lowry.
- * "The NASA Competitive Placement Plan (The new NASA Merit Promotion Plan)" -- Mary King, Personnel Office, KSC.
- * "Financial Management -- To be announced.
- * "Management Communications" -- Dr. Eugene Davis, Defense Race Relations Institute, PAFB.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center

Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

August 3, 1976
KSC 388-76

SPACEPORT TOUR VOLUME REMAINS HIGH

KENNEDY SPACE CENTER, Fla.--A total of 153,243 visitors enjoyed guided bus tours of the Kennedy Space Center and Cape Canaveral Air Force Station during July.

July's volume raised patronage for the first seven months of 1976 to 749,651, a decline of 5.1 percent compared with the 790,455 who toured the Spaceport in the first seven months of 1975.

During July, 160,880 purchased tickets to 3rd Century America, the Bicentennial Exposition on Science and Technology. Total patronage for the two attractions was 314,292.

The Visitors Information Center, open daily throughout the year, provides a wide variety of exhibits on space exploration and daily programs of space movies and space science lectures and demonstrations.

Another attraction is the visitor center's Hall of History where the wide variety of the nation's manned and unmanned space programs of the past are outlined.

Bus tours are offered for a nominal fee and combination tickets, including the tour and admission to 3rd Century America, are also available.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

August 4, 1976

A. H. Lavender
305 867-2468

RELEASE NO: 391-76

INDIANA RESIDENT HONORED AS 10-MILLIONTH NASA TOURS PATRON

KENNEDY SPACE CENTER, Fla.--Hanover, Indiana, resident David Perry became the 10-millionth visitor to purchase a ticket for a guided bus tour of the Spaceport today.

Vacationing in Florida with his wife and children, Rick, 16, and Gwen, 10, Perry was greeted at the Kennedy Space Center's Visitors Information Center by NASA and TWA Services, Inc., officials. TWA Services, a subsidiary of the Canteen Corp., is the Center's concessionaire for operation of the visitor center and NASA Tours.

Escorted to the KSC Headquarters Building by Robert Newman, NASA Assistant Administrator for Public Affairs and KSC public affairs chief Charles T. Hollinshead, Perry and his family were welcomed by Center Director Lee R. Scherer, who presented them an autographed space center photo and tickets to 3rd Century America, the nation's Bicentennial Exposition on Science and Technology, hosted throughout this summer by the Kennedy Space Center.

Following a VIP tour of the Spaceport and adjacent Cape Canaveral Air Force Station, the Perrys spent the night at a Cocoa Beach motel, compliments of TWA Services.

Tomorrow's schedule includes a visit to 3rd Century America and a dinner at a Cocoa Beach restaurant hosted by Harry B. Chambers, general manager of TWA Services' Kennedy Space Center Tours, honoring the Perrys and eight TWA employees who have completed 10 years of service with the company.

Perry, whose address is Route 2, Hanover, Indiana, is a welder at the Rex Nord Factory, Madison, Ind. Mrs. Perry is a secretary at the Production Credit Association, Madison.

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NASA Tours registered the 10-millionth patron little more than 10 years after the visitor program was established. The tour program was initiated July 22, 1966.

The Visitors Information Center, featuring displays and exhibits on space exploration, aeronautical and space science lectures/demonstrations, and showings of space movies, was opened August 1, 1967. A new Hall of History, adjacent to the visitor center, where exhibits and space vehicle models outline the accomplishments of the nation's space program since the launch of the first U. S. spacecraft, Explorer I, on January 31, 1968, was opened in June.

The 10-million bus tour patrons are only a portion of the KSC visitor influx. Frequent surveys of visitors at the VIC indicate that approximately one-fourth of those who enjoy the space exhibits, movies and lectures do not take a tour. Thus, the number of visitors since 1966 actually exceeds 12 million.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Darleen Hunt
305 867-2468

September 8, 1976

RELEASE NO. 436-76

KSC OBSERVES NATIONAL HISPANIC HERITAGE WEEK SEPTEMBER 12 - 18

KENNEDY SPACE CENTER, Fla.--Men and women of Hispanic origin-- Mexican, Puerto Rican, Cuban and other Spanish speaking Americans-- have contributed significantly to the growth of America.

In honor of this heritage, President Ford proclaimed the week of September 12 as National Hispanic Heritage Week. This would be the time set aside to acknowledge the importance of contributions to our land from the Hispanic civilization as well as from the millions of Americans of that origin who enrich our land.

Dr. James Fletcher, who heads NASA, joined the President in calling for observance of this week with appropriate ceremonies and activities.

Americans of Spanish origin are the second largest minority group in this country, and Florida ranks fifth in the number of Spanish-surnamed Americans in all the fifty states.

At KSC, a Spanish Speaking Working Group, comprised of six Spanish-surnamed employees, was formed a year ago to provide assistance to the Spanish Speaking Program Coordinator and to the KSC Equal Opportunity Office in order that the problems in respect to local Federal employment of Spanish-speaking persons are made known. This group has assembled a program and invited guest speakers to address KSC personnel on topics related to the Spanish Speaking Program and to the Hispanic influence in Florida.

Special guest speakers making presentation on Monday, September 13 starting at 1:00 p.m. are:

Frederick P. Heath, area manager of the U. S. Civil Service Commission, Orlando.

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Hermilio Gloria, director of internal programs, Office of Equal Opportunity Programs, NASA Headquarters. He has had 27 years experience with NASA and its predecessor agency, NACA. Gloria has worked in high-speed aerodynamics, materials engineering, chemistry, space sciences, and earth resources studies. During his latest years with NASA he has served as a minority recruiting specialist, a regional equal opportunity representative and a deputy EEO officer. Gloria has also been active in community organizations including the Mexican-American Citizens League of Santa Clara County, Advocates for Responsible Employment, FEW, IMAGE, LULAC and other ethnic organizations. He presently resides in Alexandria, Va.

Dr. Manolo Reyes, WTVJ Latin news director, Miami, began in broadcasting at a Havana radio station as a 13-year old singing in a talent contest. He continued working with radio as a news director, station director, producer, and branched into television as a panel moderator of debates on legal and moral matters. He studied law at the University of Havana and graduated with a degree in Diplomatic Law. He received his Law Degree and was admitted to the Havana Bar Association in 1949.

In 1960 he moved his family to Miami and began to work at WTVJ, initiating the first Spanish language daily news telecast in the nation. Dr. Reyes has been an extremely active member of the Latin community. He was a founder of the Cuban Sertoma Club of Miami, founder of the YMCA International Jose Marti, the Latin branch of Dade Business and Professional Women's Club, Inc. and the V.F.W. Post Jose Marti, and he is involved in a number of other community activities.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
September 10, 1976

Karl Kristofferson
305 867-2468

RELEASE NO: KSC 438-76

KSC CEREMONY KICKS OFF ANNUAL CFC DRIVE

KENNEDY SPACE CENTER, Fla.--The Kennedy Space Center marked the beginning of its 1977 Combined Federal Campaign fund drive with an opening ceremony Thursday afternoon attended by center directors, supervisors, volunteer workers and representatives of the participating charitable agencies.

The ceremony, held at 1 p.m. in the KSC Training Auditorium, officially kicked off the KSC portion of the annual drive which will run September 10 through September 24.

KSC Director Lee R. Scherer was the principal speaker at the ceremony. He was introduced by Robert Browne, KSC's CFC chairman, who served as master of ceremonies. Browne also addressed the gathering and introduced non-center guests who included representatives from United Way of Brevard County, the National Health Agencies serving Brevard County and the International Service Agencies. The three charitable organizations will share the funds collected during the CFC campaign.

A highlight of the ceremony was a special showing of the film, "Double Life." Afterwards, a training session was conducted by KSC's CFC Organization and Training Committee chairman, Ernie Spivey.

The Kennedy Space Center's 1977 CFC goal is \$90,000, the same as 1976's goal. Last year KSC civil service employees exceeded the goal, contributing at total of \$102,338. Speakers at Thursday's opening ceremony expressed the hope that last year's figure would be equaled or exceeded.

The Air Force Eastern Test Range, Brevard County's second largest federal employer, held opening ceremonies at Patrick Air Force Base on Wednesday afternoon. The AFETR goal is \$53,000.

78-4

NASA News

National Aeronautics and
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John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305*867-2468

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9-10-76

NAS 10-0945-

For Release:

Dick Young
867-2468

September 23, 1976

RELEASE NO.: 441-76

JACKSONVILLE FIRM RECEIVES KSC SHUTTLE CONTRACT

KENNEDY SPACE CENTER, FLA.--NASA's John F. Kennedy Space Center has awarded a fixed price contract for \$200,000 to Reynolds, Smith & Hills, a Jacksonville, Fla., architectural, engineering and planning firm.

The contract is for architect-engineering services for design modifications to Saturn V/Apollo Mobile Launcher 2.

Each of KSC's three existing Mobile Launchers will undergo major changes to adapt them for the Space Shuttle, which will begin orbital flights from here in 1979.

The most striking visual changes will be the removal of the launch tower and the jib crane at the top of the tower. A permanent launch tower will be installed at each of KSC's Complex 39 launch pads, eliminating the need for towers on the modified mobile launchers.

The single opening in the center of the Mobile Launcher Platform-- as the launchers will be designated for the Space Shuttle program -- will be replaced by three openings to allow hot exhaust gases from the Orbiter's main engines and its two solid rocket motors to escape during liftoff.

Space Shuttle flight vehicles will be assembled atop the Mobile Launcher Platforms in the Vehicle Assembly Building and moved to the pad for final checkout and launch.

Mobile Launcher 2 is the second structure of its kind to undergo modification. Work on the first platform to be modified is in an advanced stage.

Work under the Reynolds, Smith & Hills award is to be completed by February 1, 1977.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
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9-17-76

NAS 10 0943

For Release:

Dick Young
305-867-2468

September 23, 1976

RELEASE NO: 442-76

CHRYSLER AWARDED SPACEPORT SHUTTLE CONTRACT

KENNEDY SPACE CENTER, FLA.--NASA's John F. Kennedy Space Center has awarded a contract for \$1,199,610 to the Chrysler Corporation Space Division, New Orleans, Louisiana.

The fixed price contract is for 21 pneumatic regulation and control panels to be used in connection with Space Shuttle operations at the Kennedy Space Center, primary launch and recovery site for the reusable Space Shuttle.

The regulation and control panels are required for control of nitrogen, helium, oxygen and hydrogen flow to the shuttle vehicle and ground support systems. They will be required in the Vehicle Assembly Buildings, the Orbiter Processing Facility, launch pads and the mobile launcher platforms from which shuttle vehicles will be launched.

Work on the contract is to extend from September 17, 1976, through June 1, 1977, and be performed at the NASA George C. Marshall Space Flight Center's Michoud Assembly Facility, New Orleans, Louisiana.

Launch of the first Space Shuttle on an earth orbit mission from KSC is scheduled for the spring of 1979.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305-867-2468

September 30, 1976

RELEASE NO: KSC-447-76

NOTICE TO EDITORS/NEWS DIRECTORS

KENNEDY SPACE CENTER TO HOST PRESS FOR SHUTTLE BRIEFINGS/TOUR

KENNEDY SPACE CENTER, FLA.--The Space Shuttle is the key element of the space transportation system which will open a new era of routine and economical access to space.

The opening of that new era is imminent.

The first of the Space Shuttle Orbiters - the "Enterprise" - was recently rolled out of the Rockwell International Plant at Palmdale, California, and will begin flight testing in the coming year at NASA's Dryden Flight Research Center, Edwards AFB, California.

The second orbiter - as yet unnamed - is now undergoing assembly and is to be delivered to the Kennedy Space Center in the summer of 1978.

Its first manned orbital flight is scheduled for launch from KSC in the spring of 1979.

The Space Shuttle and the transportation system of which it is an integral part, as well as Shuttle operations at KSC, will be outlined in a comprehensive press briefing and tour to be held here on Thursday, October 14.

The briefings by key KSC personnel will be held in the Fourth Floor Conference Room in the KSC Headquarters Building from 9 a.m. until noon. After lunch, members of the press will be taken on a tour of the Complex 39 and Industrial Area facilities being reshaped for their roles in the Shuttle Era.

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The briefings and tour have been scheduled to coincide with the launch of Marisat-C on the same day. The day's activities will be concluded at 3:30 p.m. to give the press the opportunity to cover the Marisat launch during a window which opens at 6:33 p.m. EDT.

Briefing topics include a Shuttle program overview, KSC Shuttle operations, KSC Shuttle facilities, the Launch Processing System and the Spacelab being built by the European Space Agency for flight aboard the Shuttle orbiter.

The briefings will be accompanied by short films demonstrating the steep orbiter landing profile, Spacelab operations and the rollout of the first orbiter at Palmdale on September 17.

The afternoon tour will include the Orbiter Landing Facility, the Orbiter Processing Facility, the Vehicle Assembly Building and Launch Control Center, a Mobile Launcher Platform and Complex 39's Pad A in the Shuttle launch configuration.

There will also be demonstrations of the sophisticated new Launch Processing System which will be used to permit Space Shuttle launches as often as every two weeks.

The briefings and tour will be invaluable for any member of the media seriously planning to cover Space Shuttle operations at Kennedy Space Center. Reference material will be distributed which the press should find extremely useful in their shuttle coverage as we get closer to the beginning of operations.

KSC access on October 14 may be obtained by the following methods:

1. Members of the media may pick up bus transportation to KSC at Frank Wolfe's Beachside Motel in Cocoa Beach no later than 8:15 a.m. EDT. They will be returned there after the day's activities in ample time to make contact with Air Force Eastern Test Range personnel and obtain credentials to cover the Marisat-C launch.

2. Clearance to the Headquarters Building may be obtained at Pass and Identification Gate 3 on the NASA Causeway just off U. S. Route 1 two miles south of Titusville. News personnel who plan to enter by this method should report to the Pass and Identification Building no later than 8:30 a.m. in order that they may reach the KSC News Center at Room 1207 in the Headquarters Building no later than 8:50 a.m.

3. News personnel with permanent press badges may proceed directly to the Headquarters Building News Center.

In order that we may make plans to accommodate all who wish to attend this event, please return the enclosed Response Form to Public Information Office, John F. Kennedy Space Center, NASA, Kennedy Space Center, Fla. 32899, Mail Code: PA-PIB.

News organizations are not limited in the number of persons they wish to accredit but should list the names of those they expect to attend on the enclosed Response Form.

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RESPONSE FORM

SPACE SHUTTLE PRESS BRIEFING AND TOUR

KENNEDY SPACE CENTER, FLA.

October 14, 1976

Please put us down to attend. Our organization, _____
_____, will be sending the following personnel to
attend this event.

We will (cover) (not cover) the launch of Marisat-C. (Please check one)

- We will: Meet the bus at Cocoa Beach.
 Obtain credentials at Gate 3 and drive to the
Headquarters Building News Center.

Title

NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
October 1, 1976

A. H. Lavender
305 867-2468

RELEASE NO: KSC 444-76

NOTICE TO EDITORS/NEWS DIRECTORS

MARISAT-C LAUNCH SCHEDULED OCTOBER 14

KENNEDY SPACE CENTER, Fla.--The launch of Marisat-C, third of a series of maritime communications satellites to be launched by the Kennedy Space Center for Comsat General Corporation, is scheduled Thursday, October 14. Launch from Complex 17-A, Cape Canaveral Air Force Station, is scheduled during one of three windows, the first extending from 6:33 to 7:25 p.m., the second from 8:05 to 8:20 p.m. and the third from 9:01 to 9:25 p.m. EDT.

A prelaunch news briefing on the Marisat-C launch and mission is scheduled Wednesday, September 13. News media representatives desiring to attend should arrive at the KSC Public Information Office, Headquarters Building, by 10:30 a.m. Bus transportation to the briefing will be provided.

Those desiring to cover the launch should obtain badges from an Air Force representative in the lobby of Frank Wolfe's Beachside Motel (formerly Ramada Inn), Cocoa Beach, prior to 5 p.m., October 14. News media representatives will travel in their own vehicles under escort, departing the Beachside Motel at 5 p.m. Others may join the convoy at the Gate 1 Pass and Identification Building, Cape Canaveral Air Force Station, at 5:15 p.m.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

A. H. Lavender
305 867-2468

October 1, 1976

RELEASE NO: KSC 448-76

SPACEPORT TOURS INCREASE IN SEPTEMBER

KENNEDY SPACE CENTER, FLA.--Guided bus tours of NASA's Spaceport and adjacent Cape Canaveral Air Force Station were taken by 42,734 visitors during September, an increase of 20.8 percent over the 35,382 taking the tours during the same month in 1975.

The September patronage brought the tour totals for the first nine months of 1975 to 935,550, 2.7 percent below the cumulative total of 961,811 for the same period one year ago.

The tour total for the year appears certain to reach the 1 million mark.

Public bus tours of KSC were initiated in 1966 and have surpassed one million every year since 1968 with the exception of 1974, when patronage slumped to 878,746 as a result of the energy crisis and the gasoline shortage.

The record attendance of 1,389,042 was recorded in 1972 and the second highest mark was 1,264,321 in 1973. The 1975 tour total of 1,168,189 was the third highest on record.

The 10 millionth visitor since tours were initiated in 1966 was logged in August.

Guided bus tours are operated every day of the year with the exception of Christmas and originate at the Visitors Center which is accessible via the NASA Causeway from U. S. Route 1 two miles south of Titusville and State Road 3 on Merritt Island.

The Visitors Center is open without charge and provides a wide variety of exhibits on space exploration, and daily programs of space movies and space science lectures and demonstrations.

A new attraction at the Visitors Center is the Hall of History with its vast array of exhibits on manned and unmanned space programs of the past.

Bus tours are offered for a nominal fee.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

October 1, 1976

RELEASE NO: 449-76

VAB MODIFICATION CONTRACT AWARDED TO NEW JERSEY FIRM

KENNEDY SPACE CENTER, FLA.--NASA's John F. Kennedy Space Center has awarded a fixed price contract for \$2,537,000 to the Frank Briscoe Co., Inc., East Orange, New Jersey.

The contract is for modifications to the 525-foot-tall Vehicle Assembly Building - the world's second largest structure - to prepare it for use in the Space Shuttle Program.

The Kennedy Space Center is the prime launch and recovery site for the reusable Space Shuttle, scheduled for launch on its first manned mission in Earth orbit in the spring of 1979.

The contract calls for construction of External Tank Processing Support Systems in the VAB's High Bay 4 and construction of a Solid Rocket Booster Processing and Storage Facility in the VAB's High Bays 2 and 4.

Work on both aspects of the contract is scheduled for completion during the latter half of 1977.

The Space Shuttle is to be launched like a rocket, maneuver in orbit like a spacecraft and land like an airplane.

Main propulsion is provided by twin solid rocket boosters and three engines on the Orbiter fed by liquid propellants from a large, external belly tank.

The Orbiter, Solid Rocket Boosters and External Tank will be assembled on a Mobile Launcher Platform in the VAB prior to movement to Complex 39'3 Pad A for launch.

The Space Shuttle and the space transportation system of which it is a part are designed to provide routine, economical access to space in the coming decades.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:
November 1, 1976

A. H. Lavender
305 867-2468

RELEASE NO: KSC 482-76

OCTOBER NASA TOURS VOLUME EXCEEDS 1975 LEVEL

KENNEDY SPACE CENTER, FL.--NASA Tours volume in October was 50,840, a 16.4 percent gain over patronage during the corresponding month of 1975. The October, 1975, total was 43,674.

The 1976 ten-month total was 986,390, approximately two percent below the 1975 ten-month total of 1,005,485.

"Although volume thus far in 1976 is about 19,000 below that of the first ten months of 1975, patronage has exceeded that of a year ago during the past four months and if the trend continues I expect the 1976 NASA Tours total to be above the 1,168,189 who toured the Spaceport in 1975," said P. A. Fagnant, KSC's chief of visitor services.

The escorted tours of the Spaceport originate at the Kennedy Visitors Center, located six miles east of U. S. 1, south of Titusville.

The visitors center, featuring exhibits explaining the nation's space program, many flight models of launch vehicles and manned spacecraft, movies and space science lectures and demonstrations, is open without charge to the public daily throughout the year, with the exception of Christmas Day.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

For Release:

Dick Young
305 867-2468

November 4, 1976

RELEASE NO: KSC 488-76

KSC CHRISTMAS TOURS TO OFFER DRAMATIC ATTRACTIONS

KENNEDY SPACE CENTER, FLA.--A new and dramatically enhanced tour of the nation's Spaceport will be offered to the public during the annual Christmas rush here from mid-December through early January.

The new KSC tour will include several of the most popular and dramatic attractions at 3rd Century America, the U. S. Bicentennial Exposition on Science and Technology held from May 31 through September 7.

Now to be offered as part of the public tour of KSC will be the spectacular Apollo 11 launch simulation in the Launch Control Center Firing Room, the lunar diorama in the Flight Crew Training Building and the chance to inspect a full-scale Apollo/Saturn V space vehicle.

A unique shuttle bus arrangement will permit visitors to enjoy the attractions in the Vehicle Assembly Building/Launch Control Center area at Launch Complex 39 at their own leisure.

Two of the 120-foot diameter geodesic domes housing exhibits at 3rd Century America are being retained near the horizontally-displayed Saturn V/Apollo in the shadow of the VAB. These will be used as shelter and rest areas and a staging point for the shuttle buses carrying visitors to the viewing area in the VAB and the Launch Control Center for the Apollo launch simulation.

The new attractions are in addition to a vastly expanded array of exhibits and audio visual programs at the Visitors Center, departure point for the tours and the free focal point of any visit to KSC.

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"The new KSC tour," explained P. A. Fagnant, Chief of KSC's Visitor's Services Branch, "is part of a long-range plan to enhance our program and accommodate the public more effectively. The Christmas season is one of our three peak periods each year and we're inaugurating the new tour on an experimental basis."

The new and improved tour is being offered at no increase in fares: \$2.50 for adults, \$1.25 for youths from 13 to 18 years and 50 cents for children from 3-12 years.

Tour buses will leave the Visitors Center beginning at 8 a.m. each day except Christmas and will proceed through the KSC Industrial Area to the Flight Crew Training Building where astronauts trained for their journeys to the Moon. The last bus will leave shortly after dark to accommodate late arriving visitors.

The Flight Crew Training Building stop will include demonstrations of the sophisticated simulators and other training devices used in preparations for the lunar exploration missions of Project Apollo. Also a part of this major tour stop is a full-scale Apollo spacecraft.

The Lunar Diorama also in this building includes the only remaining Lunar Module capable of flight. It serves as the "star" in a light and sound show tracing the nation's six successful missions to the lunar surface.

The diorama is a realistic recreation of the Apollo temporary lunar bases and includes "astronauts", a Lunar Roving Vehicle and an Apollo Lunar Surface Experiments Package (ALSEP) left behind as a scientific station on the Moon's cratered surface.

In the past, the Flight Crew Training Building was capable of handling only two busloads of visitors simultaneously. When the new tours begin in December, the building will be capable of handling eight busloads simultaneously and all tour patrons will now be able to view this major KSC attraction.

The tour buses will carry visitors to the Saturn V/Apollo display adjacent to the VAB. Tour patrons can enjoy the attractions in the Launch Complex 39 area at their own pace before reboarding shuttle buses for the return trip to the Visitors Center.

The Launch Control Center simulation is a dramatic but technically accurate re-creation of the launch of Apollo 11 on July 16, 1969.

This realistic, multimedia presentation blends motion pictures and slides on four large firing room screens with the taped voices of the KSC launch team, the astronauts and Mission Control to recreate the drama of man's first journey to the Moon.

Firing Room 3's hundreds of consoles wink and blink with cascading lights as the countdown clocks tick inexorably down to ignition and liftoff.

In adjacent Firing Room 4, KSC Director Lee R. Scherer outlines the Center's ongoing unmanned launch programs and discusses the Space Shuttle program in a slide show with taped narration which serves as a prelude to the Firing Room 3 show.

Darkness comes early during the winter months but the installation of lights in the Saturn V display area near the VAB will permit tour operations after dark.

"Even though we have adequate lighting," said Fagnant, "we would suggest that people come early in the day to make sure they have adequate time to enjoy all our attractions to the fullest."

The Visitors Center - accessible from the NASA Causeway off U. S. Route 1 two miles south of Titusville and via State Road 3 on Merritt Island - remains open without charge.

This large public-use complex includes a new Hall of History in addition to the older structures and exhibits which have made it such a popular destination point for Florida tourists.

The KSC Visitors Center attracts more than a million visitors a year with peak visitations occurring during the Christmas, Easter and summer school vacation periods when family groups are free to travel.

The new tour will be in operation on a trial basis from December 20 through January 2.

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NASA News

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National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
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Darleen Hunt
305 867-2468

For Release:
November 10, 1976

RELEASE NO: KSC 491-76

NASA TOUR VOLUME REACHES ONE-MILLION FOR 1976

KENNEDY SPACE CENTER, Fla.--The one-millionth 1976 NASA tour patron purchased a ticket for an escorted bus tour of the Spaceport and adjacent Cape Canaveral Air Force Station today, marking the seventh time that the million patronage mark was passed in eight years.

This year's millionth ticket was purchased by James Price of Elmhurst, Illinois, who was accompanied by his wife and three daughters.

The tours originated in July 1966 and to date over 10 million visitors have purchased tickets for tours of the space center. Surveys indicated that an additional 25 percent of visitors to the Center do not take the tour, but remain at the Visitors Center where exhibits, lectures and movies are available at no charge.

Two new facilities added to the Visitors Center this year are a carousel cafeteria, a modern fast food service center, and the Hall of History, an exhibit area with memorabilia of the exploration of space.

The Hall of History features a number of space items, including a 1/10th scale model of a Saturn V launch vehicle, astronaut spacesuits, an astronaut transfer van, a lunar rover, an actual command module from the Apollo Soyuz mission and a scale model of the Skylab Multiple Docking Adapter.

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NASA News

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 305 867-2468

A. H. Lavender
305 867-2468

For Release
November 17, 1976

Special to the Bicentennial Times

RELEASE NO: KSC 493-76

MORE THAN 600,000 ATTENDED 3RD CENTURY AMERICA

KENNEDY SPACE CENTER, Fla.--More than 600,000 viewed exhibits and demonstrations of the roles of science and technology in improving the quality of life in 3rd Century America as NASA's John F. Kennedy Space Center hosted the Bicentennial Exposition on Science and Technology throughout the summer.

Designated by President Gerald R. Ford as the only government-sponsored exposition of the Bicentennial Year, 3rd Century America featured exhibits by 16 federal agencies, 10 industrial firms and a number of universities and colleges.

In announcing the exposition, President Ford emphasized the opportunity it would offer Americans for a glimpse of their "prospects for a better life in 1976 and the next 100 years thereafter."

Exhibits were housed in 14 large geodesic domes, the space center's mammoth Vehicle Assembly Building where Apollo Saturn space vehicles were prepared for men's missions to the Moon, and the adjacent Launch Control Center from which Apollo launches were controlled. Another geodesic dome served as a theater, with entertainment, science lectures and demonstrations presented daily.