

KSC Director
Roy Bridges

“Liftoff at the Kennedy Space Center!”

We recently heard these words for the first time this year for a Shuttle mission, and they were inspirational.

STS-96 is now a part of history, having landed safely early last Sunday morning. The crew gracefully docked with our new International Space Station and did a great job supplying, outfitting and making repairs on the station.

They made it look easy, but it takes months of hard work to achieve that perception of effortlessness.

We all know it begins with a great ship. KSC gave the crew a spaceship that worked well from the beginning of the countdown to an on-time launch to wheel stop on the runway. Like the crew, you also put in a lot of time and hard work to assure that our first mission after a long break would be trouble-free. A lot of people have thanked me for KSC's efforts, and I want you to know they appreciate your skill and dedication, as well as the results of your work.

As we prepare for our upcoming Super Safety and Health Day on June 17, we can take a few lessons from

(See Principles, Page 7)

Spaceport News

America's gateway to the universe. Leading the world in preparing and launching missions to Earth and beyond.

John F. Kennedy Space Center

Safety and health our top priorities

On June 17, Kennedy Space Center will for the second time dedicate an entire day to safety and health. All normal work activities, with the exception of mandatory services — such as fire, security, cafeterias and buses — will be suspended to allow all possible personnel to attend Super Safety and Health Day activities.

The theme of the day, “Safety and Health Go Hand in Hand,” calls to our attention that safety and health are united — as are we in our ongoing commitment to place the safety and health of the public, astronauts, employees and space-related resources first and foremost.

This issue of *Spaceport News* includes a listing of awards, panelists, vendor locations and other safety-related information. Use the issue to plan activities on Super Safety and Health Day that will benefit you and your organization the most.

Events at the KSC Training Auditorium on June 17 will be carried to all locations on KSC via internal KSC TV. Events on that day will open at 8 a.m. with introductory remarks by KSC Director Roy Bridges, who will introduce keynote speaker Captain



Dennis Fitch, a ‘volunteer crew member’ on United Airlines Flight 232 on July 19, 1989 (see story, page 5).

All morning activities will be broadcast centerwide on NASA TV. After Fitch's address, there will be a 10-minute break before the panel session begins. Each panelist will

provide a brief commentary on safety or health as it concerns his or her area and KSC's mission as a whole.

Then a question-and-answer period will follow, where employees will have their questions

(See Safety, Page 5)

Launch manifest changes for STS-93 and ELVs

Due to recent anomalies involving expendable vehicles not associated with NASA launches, there is a schedule impact on the near-term NASA manifest.

NASA is a participant in the failure investigations and is reviewing the readiness of its missions based on an understanding of the failures and the proposed corrective actions.

The following is a list of upcoming NASA flights with their currently planned launch timeframes.

The launch of QuikSCAT for NASA and the Jet Propulsion

Laboratory aboard a Titan II rocket from Vandenberg Air Force Base in California is now scheduled for June 18 with a launch window of 7:15 to 7:25 p.m. PDT.

The launch of FUSE for NASA and Johns Hopkins University from Pad 17-A at Cape Canaveral Air Station (CCAS) is now scheduled for no earlier than June 23 between 11:39 a.m. and 12:56 p.m. EDT.

As of press time, the launch of GOES-L for NASA and the National Oceanic and Atmospheric Administration (NOAA) aboard an Atlas IIA rocket from Pad 36-A at CCAS was to be determined.

Also at press time, the STS-93 launch was targeted for the third week of July.

These dates should be considered for planning purposes until firm launch dates are established.

KSC is the lead center for acquisition and management of Expendable Launch Vehicle launch services. The Expendable Launch Vehicle Program Office at Kennedy Space Center provides NASA and its customers early mission feasibility studies/analysis, spacecraft to launch vehicle integration services, flight assurance and management of the launch.

NASA Accident Prevention Awards presented at KSC

As part of Super Safety and Health Day, NASA will present Accident Prevention Awards for the second time to 23 government and contractor organizations in recognition of exemplary safety and health performance at KSC. The following groups will be honored with special recognition, plaques and certificates acknowledging their safety records:

For exemplary safety records for no lost time accidents for fiscal years 1996, 1997 and 1998:

- Lockheed Martin Michoud Space Systems, last lost time case 01/81
- Dynamac Corporation, no lost time cases
- Creative Management Technology, last lost time case 01/93
- Wang Government Services, last lost time case 04/89
- Rocketdyne Division, the Boeing Company, last lost time case, 03/95
- Thiokol Propulsion, Space Operations, KSC-LSS, last lost time case 04/94
- Government Services Administration, no lost time cases
- KSC Executive Staff, no lost time cases
- Public Affairs Office, no lost time cases
- Chief Counsel Office, no lost time cases
- Payload Processing Directorate, no lost time cases
- Biomedical Office, no lost time cases
- Administration Office, no lost time cases
- Florida East Coast Railroad, last lost time case 07/95
- Shuttle Processing Directorate, last lost time case 08/95
- Allied Signal Technical Services, no lost time cases



For exemplary safety records for no lost time accidents:

- Checkout and Launch Control System Office, fiscal years 1997 and 1998
- Space Station Hardware Integration Office, fiscal years 1997 and 1998
- Troutman Technical Services, no lost time cases fiscal years 1997 and 1998
- Beacon Automotive Parts, no lost time cases fiscal year 1998
- Bionetics Corporation, no lost time cases fiscal year 1998
- EG&G Florida, last lost time case fiscal year 1998
- Wiltech, no lost time cases fiscal year '98

Chandra booster arrives at KSC for processing

On June 1, the Inertial Upper Stage (IUS) booster for the Chandra X-ray Observatory arrived at Kennedy Space Center's Vertical Processing Facility (VPF), where it was installed into the VPF west test cell.

The next day, Chandra was hoisted from its location in front of the east test cell and mated onto the two-stage IUS.

On June 3, electrical connections between Chandra and the IUS were established and the Cargo Integrated Test Equipment, an orbiter avionics simulator, was connected to the payload stack.

By week's end, the two-day interface verification test was commenced, validating the IUS/Chandra connections and checking the orbiter avionics interfaces.

On Monday, June 7, the end-to-end test was conducted, verifying the communications path to Chandra — commanding it as if it were in space.

Participating in the test was Chandra's operations control center located in Cambridge, Mass.; Mission Control at the Johnson Space Center in Houston; and the communications assets of both the Deep Space Network and the Tracking and Data Relay Satellite system.

During Chandra's recent dwell period in the VPF, while awaiting the arrival of the IUS, the command paths to be used during these upcoming activities were established and thoroughly tested.

Upon successfully completing all of these tests, the IUS/Chandra payload



The Inertial Upper Stage (IUS) booster was moved toward a workstand in Kennedy Space Center's Vertical Processing Facility. The IUS was then mated with the Chandra X-ray Observatory and underwent testing to validate the IUS/Chandra connections and check the orbiter avionics interfaces. With the world's most powerful X-ray telescope, Chandra will allow scientists from around the world to see previously invisible black holes and high-temperature gas clouds, giving the observatory the potential to rewrite the books on the structure and evolution of our universe. Chandra is scheduled for launch during the third week of July aboard Shuttle Columbia on STS-93.

separation ordnance are to be installed and payload closeouts will be performed in preparation for making the transition to Launch Pad 39B.

The Chandra/IUS combination is scheduled to be hoisted into the payload canister on June 18 and transported to the pad's payload changeout room on June 19.

Chandra is currently planned to be installed into Columbia's payload bay on June 24.

The STS-93 launch is currently targeted for the third week in July.

STS-93 will be the first Shuttle mission commanded by a woman, Eileen Collins.

Robotic arm arrives



The Canadian Space Agency's first contribution to the International Space Station (ISS), the Space Station Remote Manipulator System arrived at KSC May 16 to begin pre-launch processing activities. The 56-foot robotic arm is the primary means of transferring payloads between the orbiter payload bay and the ISS for assembly. The arm has three segments comprising two 12-foot booms joined by a hinge, with seven joints on the arm that allow for highly flexible and precise movement. Cameras on the booms will permit the astronauts maximum visibility for operations and maintenance tasks on the ISS. The robotic arm is scheduled for launch in July 2000 on STS-100.

Dynacs Digital Media Lab wins award

The Dynacs Digital Media Lab captured the Florida Motion Picture & Television Association (FMPTA) regional Crystal Reel Award for Best Corporate Video. The winning video, *Technology Transfer at KSC: Success Stories '98*, showcases companies that have successfully commercialized technologies developed in partnership with Kennedy Space Center.

Now in its 25th year, FMPTA is dedicated to promoting the motion picture, television and recording industries in Florida.

FMPTA hosts the annual Crystal Reel Awards both at the regional and state levels to honor outstanding achievement in the Florida market.

Judging is based on resourcefulness, originality, entertainment and production quality, without regard to the subject matter.

The Crystal award is given to the first place winner, a silver is awarded for second place and a bronze award for third place in each category.

The KSC Digital Media lab is an interactive design group located at KSC. It is part of the Engineering Development Contract operated by Dynacs Engineering, Inc.

Their services include video, sound, and music production, 3-D modeling and animation, web site and web application development and CD-ROM authoring.

The video is now eligible for the state-level competition in the Fall.

Will you be safe and sound during hurricane season?

Hurricane season began June 1 and will run through Nov. 30.

KSC Emergency Preparedness Planning Officer Wayne Kee asks that all employees ensure that outside area trash, scrap and debris are cleaned up or secured for the duration of the season. Material and equipment such as aircraft stands, platforms and other items that can be destroyed or damaged in high winds should be moved inside during this period.

Famed predictor of hurricanes, William Gray of Colorado State University, has predicted 14 named storms — nine of which will be named hurricanes, with four predicted as intense.

Additionally, he predicts 65 storm days, 40 hurricane days and 10 intense hurricane days.

Intense means threatened landfall somewhere or category 3 condition or higher in strength.

Remember that a hurricane warning means that hurricane conditions are a real possibility, so make sure you know the hurricane conditions and what to do in the event of each condition.

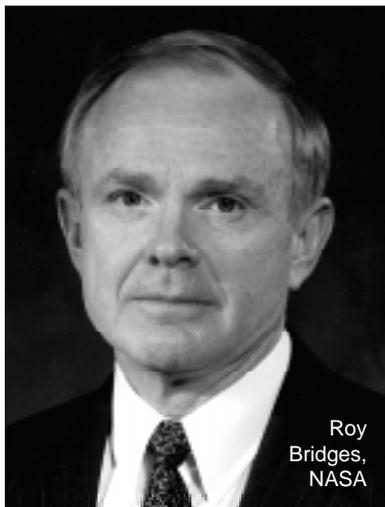
Condition	Hours from area
4 (storm warning)	72
3 (hurricane alert)	48
2 (hurricane warning)	24
1 (final warning)	12



Hurricane Fran approached Florida on Sept. 4, 1996, necessitating the rollback of Shuttle Atlantis from KSC's Launch Pad 39A to the Vehicle Assembly Building, where it remained for a day. Atlantis launched Sept. 16 on STS-79.

Talking about safety and health with panel executives

On the morning of June 17, NASA and contractor senior staff from Kennedy Space Center and NASA programs and the head of the 45th Space Wing will discuss safety- and health- related concerns that unite us all across America's spaceport. Staff from Patrick Air Force Base to Cape Canaveral Air Station and around Kennedy Space Center will listen as these leaders define the safety- and health-related needs and responsibilities that shape our lives at work and at home on Super Safety and Health Day and every day. They will also address questions and comments related to safety and health from space center workers. Here are a few of the leaders that will be on the panel.



Roy Bridges, NASA

As KSC director, Roy Bridges is responsible for managing NASA's only site for processing and launch of the Space Shuttle vehicle; processing the payloads flown on both the Shuttle and expendable launch vehicles; and overseeing expendable vehicle launches carrying NASA payloads. Bridges is a retired U.S. Air Force Major General who served as the director of requirements, Headquarters Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio, from June 1993 until his retirement from the Air Force July 1, 1996. Bridges also served as a NASA astronaut, piloting the Shuttle Challenger on mission STS-51 F in July and August 1985.

"This year we added health to our agenda for Super Safety and Health Day, which follows our guiding principle at KSC: Safety and Health First. This is not a principle in word only, but in deed. We dedicated a greatly expanded and modernized fitness center for our employees this year. Also, under KSC leadership, we inaugurated a significantly enhanced occupational health program for the Agency in 1999. As the starting point for all U.S. human space flights, we have a highly visible and exciting mission that draws worldwide attention. So it is incumbent upon us to assure the safety of the public, astronauts, employees, and equipment and facilities. We must live by our principles in order to achieve our goals. KSC will be the premier spaceport for launch and processing activities if we are the world's best in safety and health."
— Roy Bridges



Brig. Gen. F. Randall Starbuck, USAF

Brigadier General F. Randall Starbuck is commander of the 45th Space Wing and director of the Eastern Range at Patrick Air Force Base, Fla. He is also deputy Department of Defense manager for Manned Space Flight Support. As 45th Space Wing commander, the general oversees the preparation and launch of U.S. government and commercial satellites from Cape Canaveral Air Station, Fla. Brigadier General Starbuck entered the Air Force in 1972 as a distinguished graduate of Southwest Texas State University's Reserve Officer Training Corps program. He has flown C-141 missions around the world in a number of contingencies and has commanded a flying training operations group. Prior to his assignment at Cape Canaveral, he was chief of operations, Headquarters 14th Air Force, Vandenberg Air Force Base, Calif.

"Cape Canaveral Air Station is the historic base for man's quest of spaceflight. It was from the Cape that Alan Shepard, John Glenn and many other space pioneers first rocketed into the unknown. We must honor our heritage and future generations as well by making our efforts the safest they can be in the present day."
— Brig. Gen. Randall Starbuck



Ed Adamek, United Space Alliance

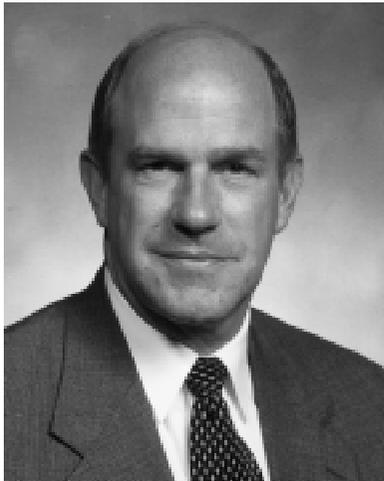
As United Space Alliance (USA) vice president and associate program manager for Ground Operations at KSC, Ed Adamek is responsible for directing the integration of all processing activities associated with the Space Shuttle program to ensure safe and successful fulfillment of all company contractual commitments to NASA. This includes the operation of all facilities and some 3,800 personnel presently required to process the Space Shuttle, from landing and worldwide recovery to launch. Adamek worked for Lockheed Martin Corporation for 34 years, hiring on with Lockheed Missiles and Space Company in Sunnyvale, Calif., as a sheet metal worker in 1962. He later completed a two-year management development program after which he progressed through positions of increasing responsibility. He joined Lockheed Martin Space Operations (LMSO) as director of reliability and quality assurance in 1985. He was later promoted to director of that organization in 1989. In 1996, he was named vice president and deputy director of Launch Site Operations for LMSO. Later that year, he was selected to serve as vice president and Ground Operations Group technical manager for USA and held this post until assuming his present position.

"United Space Alliance is committed to ensuring the safety of the NASA astronauts, protection of hardware, and safety of our workforce. To satisfy this commitment USA maintains a rigorous safety program in which all risks are identified, documented and controlled. USA's Safety Program is based on the belief that employees and management share equal responsibility for safety and that all mishaps are preventable — not inevitable. Our foundation is the steadfast belief that safety is our number one priority."
— Ed Adamek



Irene Long, M.D., NASA

As director of KSC's Biomedical Office, Irene Long, M.D., oversees the center's aerospace and occupational medicine program, life sciences research, environmental health programs and life sciences support facilities. The directorate provides and coordinates medical, environmental health and ecological monitoring support to launch and landing activities and day-to-day institutional functions. Dr. Long previously was chief of the Medical and Environmental Health Office in KSC's Biomedical Office.



William Hickman, SGS

William Hickman is the program manager for Space Gateway Support, Joint Base Operations and Support Contract at Kennedy Space Center and Cape Canaveral Air Station, Fla.

Prior to this appointment, he was project director for Computer Sciences Raytheon, Range Technical Services Contract at Patrick Air Force Base.

Before moving to Florida, Hickman directed the Flight Test Support Center Contract at Edwards Air Force Base, Calif.

Ron Dittmore (photo unavailable) is manager of the Space Shuttle Program at Johnson Space Center in Houston, where he is responsible for the overall management, integration and operations of the Space Shuttle Program. This includes development and operations of all Space Shuttle elements, including the orbiter, external tank, solid rocket boosters and Space Shuttle main engines, as well as the facilities required to support ground processing and flight operations.

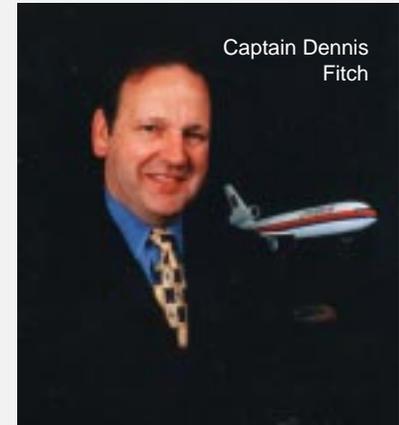
Prior to this assignment, Dittmore was manager of the Space Shuttle Vehicle Engineering Office, responsible for primary equipment, design, development, certification and operation of the Space Shuttle, remote manipulator system, Shuttle flight software and flight crew equipment.

He joined NASA in 1977 as a propulsion systems engineer on the Space Shuttle and served in the Mission Control Center as a propulsion systems flight control officer from STS-1 through STS-51C.

Colonel William S. Swindling (photo unavailable) is commander, 45th Medical Group at Patrick Air Force Base, Fla. He is responsible for coordinating comprehensive healthcare services for more than 45,000 military beneficiaries in central and southern Florida. As assistant for bioastronautics, Department of Defense Manned Space Flight Support Office, he plans and coordinates medical support for all Space Shuttle contingency operations. He is also responsible for overseeing occupational health and bioenvironmental risk assessment actions both at Patrick Air Force Base and Cape Canaveral Air Station.

Upon entering the Air Force, Colonel Swindling established the Air Force's prototype program for distributing medications to hospitalized patients in single dose packaging. He was also a pioneer in the development of continuous flow feeding bags used for enteral nutrition throughout the world today.

Reaching new heights in teamwork



Captain Dennis Fitch

On July 19, 1989, Dennis Fitch was a passenger on United Airlines Flight 232, returning home after a week at his job as a pilot instructor in Denver, enjoying the ride at 37,000 feet.

Then, a catastrophic failure in one of the engines cut all hydraulic controls in the airplane, a problem previously so unthinkable that there was no procedure for dealing with it. Fitch volunteered his assistance to the airplane's captain, Al Haynes, and the rest of the crew — assisting them in guiding the plane to Sioux City, Iowa.

While 112 people perished in the terrifying crash landing, 184 people survived because of the incredible teamwork and leadership of the men in the cockpit and control tower. Without the use of any of the systems required to control the plane, Captain Fitch and his colleagues missed being completely successful by only a matter of inches.

He and the crew hold the distinguished record of the longest time aloft without flight controls who lived to tell about it.

Fitch was commended by then President George Bush and in Senate Resolution 174 of the 101st Congress for his outstanding effort, poise and courage in assisting the crew in attempting a difficult landing at Sioux City.

He was a safety consultant to NASA as a member of the Aerospace Safety Advisory Panel, and Captain Fitch was inducted into the Aviation Hall of Fame at the Smithsonian National Air and Space Museum.

Although the nerve injuries Fitch suffered in the crash threatened to end his career, he strived through rehabilitation to work for United Airlines. He is now president of D.E. Fitch and Associates, Ltd., an aviation consulting firm specializing in cockpit resource management and human factors. He has accumulated more than 18,000 hours of flight time and is a Federal Aviation Administration check pilot designee.

Safety ...

(Continued from Page 1)

answered by key executives from NASA, Air Force and contractor groups.

You may call in with questions for the panel on Super Safety Day by dialing 867-0500.

The morning session will conclude around 11:30 a.m., when participants may break for lunch or visit vendor displays.

Starting at 1 p.m., individual organizations will hold their own

meetings.

Vendor displays will remain open until 5 p.m. NASA, Air Force and contractor groups from Kennedy Space Center, Cape Canaveral Air Station and Patrick Air Force Base will all meet in their respective areas to receive training in safety-related topics specific to their own needs.

Second- and third-shift personnel will watch videos of the morning's activities and receive additional instruction from their management.

Places to go and people to see on Super Safety and Health Day

Do you know all you should about firearm safety? Are there household chemicals in your kitchen or bathroom?

Do you ride a motorcycle?

Do you recycle?

If you thought safety was limited to training tapes and tethering, think again.

Safety and health are a way of life — both on

and off the job.

The following list (subject to change) includes vendors that will be available on June 17 from 10:30 a.m. to 5:30 p.m. around KSC.

From Adventure Cycles to Zee Medical Service, everything you always wanted to know about safety (but didn't know whom to ask) will be on center this one day only.

Find out about fire safety, discover defensive driving, learn about locks, try on safety shoes, consider chemicals, examine the environment, figure out fitness, rediscover recycling.

Feel free to visit any of the vendors for information or questions you may have.

Your supervisor will provide you with the schedule for the day for your work group.

Headquarters Building

A&A Shutters (hurricane shutters, fences)
 A Counseling Center (personal counseling)
 Alzheimer's Association and Project Relief (Alzheimer's Disease information)
 Brevard Co. Emergency Planning
 CCAS/KSC/Fire Services (EVAC chair demonstration at 11 a.m.)
 CCAS/KSC/Fire Services inspection, prevention (fire-related information)
 Choice Behavioral Health Partnership (behavioral health information)
 Diversified Research (Alpha II Radion detector)

Haz. Waste (home chemicals safety)
 Health First Hospital (health info)
 International Source for Ergonomics, BWG Association & Am Business Interiors
 Leukemia Association (leukemia info)
 NASA Inspector General
 Occupational Health and EAP (blood pressure and employee assistance)
 Safety Products Inc. (heat stress and safety glasses)
 Space Coast Friend of the NRA (gun safety)
 Weusthoff Hospital (health information)

Operations Support Building

American Airlines (safety)
 American Cancer Society (cancer info)
 Apex Environmental
 Bullard (head protection)
 CCAS/KSC/Fire Services (EVAC chair demonstration at 11 a.m.)
 Dept. of Transportation (truck safety)
 Health First
 Hy-Safe Tec (fall protection)
 Kimberly Clark (protective garments)
 O'Hearn (fall and eye protection)
 Safeco (industrial safety equipment)
 KSC Sanitation Office

Launch Control Center

Biosystems (gas monitoring)
 Bird-X (bird repellers)
 Brevard Co. Health (health info)
 Brevard Co. Solid Waste (recycling)
 Cameron & Barkley (confined space)
 Clinic Studies of Melbourne (medication education)
 Dalloz Safety (personal protective equipment)
 Dawson Association (industrial hygiene)
 Dupont Tyvek (protective clothing)
 East Central Fla. Regional Planning Council
 FPL (electricity information)
 Health First (health information)
 Hilti (power tools)
 JDF Associates (Rose & Ergodyne products)
 KSC Fitness Center
 Ladd (fall protection)
 National Technology Transfer (safety education materials)
 No. Am. Safety Products (hand cream)
 Orange County Sheriff's Office (child safety seat information)
 Perfect Fit Glove (work gloves)
 Rush Construction (home safety, tools)
 Safety Equipment (gas detection)
 Safety Mkt. (fall protection, gas detectors)
 SF Travis (abrasives, wrenches, protective equipment)

Operations and Checkout Building

Athletic Training (health information)
 Charter Behavior Health Systems (health information)
 Craft Association (gas detection, radiation)
 EIF Memory Disorder Clinic
 Healing Touch Therapy (massage and colonhydrotherapy literature)
 Health First (health info)
 Health South Sea Pines Hospital (health information)
 March of Dimes (health information)
 Mothers Against Drunk Driving (literature)
 Whitehall-Robbins (nutrition counseling)
 O&C Fitness and Wellness Center

Space Station Processing Facility

Aearo (eye and ear safety equipment)
 Allegro Industries (ergonomics, respirators, ventilation)
 American Lung Association (health information)
 Brevard Public Health (health aids)
 ERIF Sales (gas detection)
 Fall Tech. (fall protection)
 Florida Poison Information Center
 Health Physics
 National Safety Council (safety-related information)
 Projecta (fall equipment)
 Ritz Safety (general safety equipment)
 Sensidyne (gilian pumps and gastec detection)

Cape Canaveral Air Station

CCAS/KSC/Fire Services inspection, prevention (fire-related info)
 Fall Tech (fall protection)
 Herman Miller (office environment equipment)
 Health South Sea Pines Hospital (health information)
 Industrial Hygiene (industrial safety and health information)
 BWG Association (ergonomics information)
 Kimberly Clark (protective garments)
 Lift All (lifting slings)
 Safeco (industrial safety equipment)
 Sensidyne (gilian pumps)
 Weusthoff Hospital

KSC Press Site auditorium dedicated to memory of John Holliman

KSC's Press Site auditorium was named the John Holliman Auditorium on May 27 in honor of the late CNN national correspondent for his enthusiastic coverage of the space program. Holliman died in an automobile accident late last summer. NASA Administrator Daniel Goldin formally dedicated the auditorium in Holliman's memory at a ceremony at the auditorium following the launch of STS-96. Also participating in the dedication was Holliman's widow, Diane, and Tom Johnson, CNN news group chairman, president and CEO.

"John Holliman was excited about the space program, and he easily conveyed that excitement to his viewers," Goldin said. "He held us accountable when we had

problems, but he also understood the importance of overcoming obstacles and discovering the unknown."

"I know that John would be absolutely delighted with having the Kennedy Space Center's press auditorium named after him, given his passion for covering the U.S. space program and his dedication to journalism," Johnson said. "I can think of no one else more deserving of this honor. John's energy and curiosity made him a first-rate reporter, and his love for his work was matched only by his unending love and loyalty to his family."

The auditorium was built in 1980 and since then has been the focal point for news coverage of Space Shuttle launches.



NASA Administrator Daniel Goldin (far left) presented the late John Holliman's son, Jay, with a small astronaut suit at the dedication ceremony naming KSC's Press Site auditorium the John Holliman Auditorium. Holliman's wife, Diane, looked on as her son held up the suit for participants in the ceremony. John Holliman was a CNN national correspondent who covered the space program for many years.

Savings Bond Drive kicked off June 1

Kennedy Space Center's 1999 Federal Savings Bonds Campaign is now in full swing and will run through June 18. Center Director Roy Bridges is chairman of this year's campaign and officially kicked off the event on June 1 at KSC's Training Auditorium.

"The Savings Bond Drive has been a source of great pride at KSC," Bridges told employees. "For each of the past 32 years, we have led the Agency in participation, and I am confident we will do so again in 1999."

In 1997, 71 percent of NASA at KSC participated in the bond drive, increasing to

72 percent in 1998.

"The 1999 Agency goals are to increase the new participation rate by at least five percent," Bridges noted, "and achieve a 10 percent overall participation by encouraging present buyers to increase their allotment through the Payroll Deduction Program."

U.S. Savings Bonds are one of the safest and most widely held securities in the world.

"As federal employees, U.S. Savings Bonds are an investment in our own security as well as our country," Bridges added. "If you do not currently participate in the Savings Bond program, now is the time to

start. If you already participate, I urge you to increase your allotment. These are our goals for this year's campaign. I know we can achieve them."

Center Director Roy Bridges kicked off the 1999 Federal Savings Bond Campaign on June 1 with the KSC Spaceman.



Principles ...

(Continued from Page 1)

STS-96. First, when trouble strikes, like a hail storm, we did the right thing. Without hesitation, the decision was made to roll back and fix the tank. There were thousands of other not-so-visible decisions where our guiding principle, Safety and Health First, was the bottom line. Thank you for that!

On Super Safety and Health Day, please join me in reflecting on our lessons learned and new ideas that

can help us all be more alert and proactive. Our behavior on an individual level is the heart of our efforts to have an injury-free and mishap-free workplace and home.

As we pause from our activities June 17, please make a personal effort to listen well, ask questions, visit displays and raise your awareness of safety and health issues and initiatives. With your full attention and commitment to safer behavior at work and home, we can achieve our goals of zero injuries and zero mishaps at KSC.

June employees of the month



June employees of the month are, from left to right, Jenny Lyons, Business Innovation Group; Brian Beaver, ELV and Payload Carriers Program; Tom Schehl, Logistics Operations; Ben Jimenea, Space Station Hardware Integration Office; Claudette Beggs, Space Station and Shuttle Payloads; Steve Robling, Shuttle Processing; Nathan Taylor, Checkout and Launch Control System Office; Art Beller, Office of the Chief Information Officer; and Herb Peete, Installation Operations. Not shown are William Johnson, Public Affairs Office; Linda Mullen, Safety and Mission Assurance; and Priscilla Stanley, Engineering Development.

STS-96 — the first mission of 1999; the first docking with the ISS



STS-96 1999-05-29 08:50:34

Three of Discovery's seven crew members (above) take a break from activity on May 29, the mission's fourth day in space. From the left are Pilot Rick Husband, Mission Specialist Tamara Jernigan and Commander Kent Rominger. Below, Jernigan totes part of a Russian-built crane called Strela (a Russian word meaning "arrow") while on orbit May 30. Astronauts Jernigan and Daniel Barry spent seven hours and 55 minutes on the space walk — the second longest space walk in Shuttle history. (The longest space walk was during STS-49 and lasted eight hours and 29 minutes.) This was the 45th space walk in Shuttle history and the fourth of the International Space Station era. Jernigan and Barry transferred and installed two cranes from the Shuttle's payload bay to locations on the outside of the station. They also installed two new portable foot restraints that will fit both American and Russian space boots and attached three bags filled with tools and handrails for use during future assembly operations.



Discovery and its multinational crew of seven astronauts blasted off May 27 from KSC's Launch Pad 39B, lighting up the early morning skies as they sped to orbit on the first Shuttle mission of the year for the first Shuttle docking to the International Space Station. Commander Kent Rominger, Pilot Rick Husband and Mission Specialists Tammy Jernigan, Ellen Ochoa, Dan Barry, Julie Payette and Valery Tokarev lifted off at 6:49 a.m. following a flawless countdown. Fewer than nine minutes later, they reached orbit to begin their pursuit of the station.



STS-96 1999-05-30 06:38:22

With its drag chute fully deployed, the orbiter Discovery lands on KSC's brightly lit Shuttle Landing Facility runway 15, completing the nearly 10-day STS-96 mission. Main gear touchdown was at 2:02 a.m. EDT June 6, landing on orbit 154 of the mission. This was the 94th flight in the Space Shuttle program and the 26th for Discovery, also marking the 47th landing at KSC, the 24th in the last 25 missions, 11th at night and the 18th consecutive landing in Florida.





John F. Kennedy Space Center

Spaceport News

Spaceport News is an official publication of the Kennedy Space Center and is published on alternate Fridays by the Public Affairs Office in the interest of KSC civil service and contractor employees.

Contributions are welcome and should be submitted two weeks before publication to the Media Services Branch, AB-F1. E-mail submissions can be sent to Susan.Maurer-1@ksc.nasa.gov

Managing editor. Bruce Buckingham
 Editor. Susan Maurer

Editorial support provided by Information Dynamics Inc. Writers Group.
 NASA at KSC is on the Internet at <http://www.ksc.nasa.gov>

USGPO: 733-112/80033