NASAs moving forward with station redesign

Goldin seeks tools to revamp with minimal disruption to employees

Spaceweek nears

A week of activities commemorating the first lunar landing 24 years ago is coming up. Story on Page 3.

Touch up

JSC's Tracking Laboratory dome, which watched Apollo spacecraft on their way to the Moon, gets a paint job. Photo on Page 4.

Space News Roundup

Vol. 32  No. 27

July 12, 1993

NASAs moving forward with station redesign

Goldin seeks tools to revamp with minimal disruption to employees

Working under a Sept. 7 White House deadline, NASAs top management is moving ahead with plans to redesign the space station and the agencys management structure.

While this will require some fundamental changes in the way things are staffed and run, NASAs Goldin already has received orders from the White House to put together an implementation plan that includes a final design for the redesigned space station.

The plan calls for minimizing disruption to its people, design for the redesigned space station structure, and cost and time milestones, a plan for revised space station management and a plan for continuing and possibly expanding international participation in the station program.

Among the big changes in store for the station are the just about anything the agency are a move to assign responsibility for program system engineering and integration, as well as design and development of station flight hardware and software, to a single prime contractor accountable to a single program manager at a single "foot" center.

No decisions have yet been made relative to the prime contractor for the redesigned station, or the NASA management team or host center for the program. The decisions will be made based on guidance from the White House, Congressional activity over the summer and the ongoing followup work by the Space Station Redesign Team.

This is expected to result in a reduction of at least 30 percent of the civil service and contractor employees assigned to the space station program.

All reductions in contract and management layers needed to accomplish these recommendations will not be easy, but must be undertaken and implemented in an expeditious and orderly manner to com-

Please see COHEN, Page 4

Hutchinson vows to fight for space

By Kelly Humphries

U.S. Sen. Kay Bailey Hutchison told employees JSC Wednesday that she will fight for the space program and the space station because she thinks they are important to Americas leadership of the world and to the well-being of its children.

"This (the space program) is something that I think we cannot back away from," the recently elected senator said. "The United States used to spend over 5 percent of our federal budget and our federal assets on research. Today it is 1.7 percent. I think that is just as low as we could ever go as the leading nation in the world."

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Hutchinson, who grew up in Laplace, and reported on the early space efforts in the New Orleans Press, said she will serve on the Senate Committee on Commerce, Science and Transportation Committees and that she will be a member of the latter Sciences Subcommittee, which oversees NASA.

"You are not going to have

Please see HUTCHISON, Page 4

Nassau Bay, Star City to be sister cities

The base-home of the Russian space program and a Clear Lake community that has been home to many JSC astronauts, employees and contractors will become sister cities at a special ceremony to be held at Star City Houston this Thursday evening.

The signing of a Sister City agreement between Nassau Bay, Texas, and Zvezdny Gorodok, also known as Star City, Russia, will be an integral part of the Sister Cities International Annual Conference being held in Houston from July 14-17. More than 1,200 Sister City delegates, including 300 international guests, will be on hand when Nassau Bay Mayor Gerald Allen and General Pyatom Klimuk, chief of the Yuri A. Gagarin Cosmonaut Training Center, formally sign the Sister City agreement promoting friendship, cultural exchanges and joint ventures.

"We have been working toward the Sister City arrangement since August 1992, and we were told it couldn't be done," said David Stall, city manager of Nassau Bay. "Star City really isn't a city. It has no mayor or city council as do other cities in the program. It is more like an Edwards Air Force Base. Naturally, our long association with Johnson Space Center is at the heart of our similarity with Zvezdny.

Although establishing a Sister City normally takes up to two years, the agreement between Zvezdny Gorodok and Nassau Bay was completed in just five weeks through the efforts of Sister Cities International in Virginia and Two Cities International Association in Moscow. In addition, Valentina Tereshkova, the first woman in space, provided strong support.

"Having our JSC neighbor, Nassau Bay and Zvezdny Gorodok, the home of the Russian cosmonauts, joining as Sister Cities

Please see NASSAU, Page 4

Extra

On days orbit couldn't erase smile

It took teamwork and coordination to accomplish the varied objectives of STS-57, the crew bid well-wishers goodbye at Ellington Field for homecoming ceremonies about 10 hours after landing at Kennedy Space Center.

Employees will receive a full briefing in Teague Auditorium at 10 a.m. Friday, and employees and their families will be invited to plan the public for a follow-up talk at Space Center Houston at 3 p.m. Civil service and contractor employees will be allowed to enter Space Center Houston by showing their STS-57 clearance badges.

"This flight involved a little bit of everything we do in space," said Commander Ron Grabe. "It was a real treat to be on it, but because it was so diverse it required the support of so many programs -- I mean down to the little things which are just as important today -- and we owe them a huge debt of gratitude. It was just a real great example of the way the

NASA family operates and the tremendous teamwork we can pull together to bring off a flight like this.

It really showed what a fantastic machine the orbiter is. It allowed us to go retrieve a payload from space, to work with international partners, we had a chance to fly the first commercial drug, do a lot of good science and at the same time we had a chance to do an EVA," said Mission Specialist Jeff Wisoff. "The mission really had everything in it and we really owe it to you guys for training us, getting us up, getting the teamwork together.

Mission Specialist Janice Voss said one of her most vivid memories from the flight was during retrieval of the European Retrievable Carrier satellite. She was in the Spaciboard module by herself, with the lights out and the right vision system on, and could follow the progress of the flight only by

Please see STS-57, Page 4

Discovery, crew set for Saturday

STS-57 should produce an abundance of exciting downlink television that will show Americans and their international space partners the important accomplishments of Discovery's next mission, crew members said Tuesday.

Discovery is scheduled for launch at 8:22 a.m. CDT Saturday from Kennedy Space Center's Launch Pad 39A on a 10-day mission to deploy both the Advanced Communications Technology Satellite and the Orbiting Solar Observatory Ultraviolet Satellite. Also sched-

Please see STS-57, Page 4
Ticket Window

The following discount tickets are available for purchases in the Bldg. 11 Exchange Gift Store from 10 a.m. to 3 p.m. Monday-Thursday and 9 a.m. to 3 p.m. Friday. For more information, call x3550 or x3090.

Boring
- Oregon State Farmers Market, 3 a.m. to 6 p.m. Monday-Friday and 8 a.m. to 1 p.m. Saturday. Discount tickets, buy one get one free.
- Dorton Arena, 5 p.m. to 9 p.m. Monday-Friday. Discount tickets, buy one get one free.
- Humble High School, 4 p.m. to 7 p.m. Monday-Friday. Discount tickets, buy one get one free.
- Oregon State Fair, 10 a.m. to 9 p.m. Monday-Saturday and 10 a.m. to 5 p.m. Sunday. Discount tickets, buy one get one free.
- Oregon State University, 8 a.m. to 5 p.m. Monday-Friday. Discount tickets, buy one get one free.
- Portland Art Museum, 10 a.m. to 5 p.m. Monday-Saturday and 1 p.m. to 5 p.m. Sunday. Discount tickets, buy one get one free.
- Portland Saturday Market, 9 a.m. to 2 p.m. Saturday. Discount tickets, buy one get one free.
- Portland Zoo, 9 a.m. to 5 p.m. Monday-Saturday and 9 a.m. to 4 p.m. Sunday. Discount tickets, buy one get one free.
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WV
- West Virginia Fair, 10 a.m. to 5 p.m. Monday-Saturday and 10 a.m. to 4 p.m. Sunday. Discount tickets, buy one get one free.
- West Virginia University, 8 a.m. to 5 p.m. Monday-Friday. Discount tickets, buy one get one free.
- West Virginia State Fair, 9 a.m. to 9 p.m. Monday-Saturday and 9 a.m. to 5 p.m. Sunday. Discount tickets, buy one get one free.
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Today's Sports News meet The Clear Lake Area Chapter of the Houston Livestock Show and Rodeo will be held Saturday, July 7 at 12 noon at Freeman Coliseum. For more information, call x3090.

Cafe menu
- Special Italian cuisine in a relaxed atmosphere, includes veal, pasta, chicken, and fish. Open for lunch and dinner, 11 a.m. to 9 p.m. Monday-Saturday, 11 a.m. to 7 p.m. Sunday. Discount tickets, buy one get one free.

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Our History, Our Destiny

Spaceweek celebrates a proud chapter in human achievement, looks at future of exploration in a world without Cold War.

NASA Administrator Daniel S. Goldin will join Clear Lake Spaceport Director Joe S. Poteat to kick off Spaceweek, an international public forum on the future of space. Spaceweek, held July 16-24 each year, celebrates the anniversary of the Apollo 11 first lunar landing in 1969. The international observance also honors the first international docking between Apollo and Soyuz spacecraft in 1975 and the landing of Viking, the first unmanned U.S. probe on Mars in 1976.

Goldin will speak at the Spaceweek 1993 National Gala at 8 p.m. Friday at Space Center Houston. Other dignitaries scheduled to attend include Rep. Jack Brooks; Alan Shepard, first American in space and Apollo 14 moon walker; Apollo 17 moon walker Eugene Cernan; and General Pryor Kilmuk, chief of the Yuri A. Gagarin Training Center in Russia. Organizations said Spaceweek not only reverses the past, but serves as a vehicle to look at the future of the world’s space programs and international cooperation in support for space endeavors.

“Space needs an annual show of public enthusiasm and a time to focus widespread attention to its benefits. Spaceweek is a forum which encourages the public to learn, think and talk about our future in space. Space affects everyone’s future, but its full potential can only be realized if space programs earn broad public support,” said Dennis Stone, volunteer president of Spaceweek National Headquarters in Houston.

Many of the Spaceweek programs are organized around this year’s theme, “Space After the Cold War,” which involves issues of economic competitiveness, international cooperation, environmental protection and advancement of science education.

“In 1993, few space issues are more fundamental than the question of how the Cold War’s end affects ‘why’ and ‘how’ we go into space. National leadership no longer seems to be a sufficient reason for space funding. Indeed, the fundamental strategic framework for space programs has suddenly changed. Long-range space goals must be revisited in light of these changes,” said Stone, who works in JSC’s Assured Crew Return Vehicle Project Office.

Major Spaceweek programs are planned in 27 states. In addition, international programs are scheduled in Argentina, Italy, Greece, Finland, Sweden and Spain.

Spaceweek National Headquarters was started by JSC and contractor employees in 1981 in an effort to better inform Americans about the importance of space exploration.

Today, organizations across the country and around the world participate through various activities to demonstrate grassroots public support for space. NASA centers, aerospace companies, libraries, museums, universities, schools and space enthusiasts sponsor public programs about the space program during the annual celebration.

Spaceweek, Inc., a non-profit, tax-exempt organization governed by a 26-member board of directors including space leaders from the public and private sector. The organization, run by volunteers, takes no specific position on issues, rather it serves as a forum for discussion of issues facing the space program now and in the future.

“The near-term goal of the organization is to actively involve more than two million people in Spaceweek activities annually beginning in the year 1994, the 25th anniversary of the historic Apollo 11 mission to the moon. The long-term goal of the organization is the continued growth of space exploration and the development of programs in support for space endeavors.”

For more information about Spaceweek, contact Spaceweek National Headquarters at 333-3627.

This year’s Spaceweek activities in the Clear Lake area are expected to include the following highlights:

**July 16**

The annual Spaceweek National Gala will feature remarks by NASA Administrator Daniel S. Goldin and JSC Director Aaron Cohen. The gala begins at 8 p.m. Friday at Space Center Houston. Guests will tour the center and enjoy desserts, coffees and a cash bar. The 18-piece Ronni Barrow Big Band will perform. Tickets are $25 per person and may be purchased in the 9th Floor Exchange Store and at Spacecenter National Headquarters. 1111 NASA Road 1, Suite 336-367.

“Setting Mars” will be the topic of Dr. Robert 20th Floor, Martin Marietta scientist, beginning at 7:30 p.m. Friday in the Trasco Tower, third floor auditorium. The discussion, sponsored by the Houston Space Society, is free and open to the public. For more information, call 485-7132.

**July 17**

The Houston Rocket Club will hold a demonstration launch of more than 100 model rockets from 4 to 6 p.m. Saturday in the field next to Rocket Park. Arthur Nino, a space station safety expert, said between 400 and 1,000 people have come out for the annual Spaceweek blastoff in the past. Model rocketeers are invited to bring out their own rockets and to launch them following safety guidelines by a club member. Call 922-7803 for details.

The 15th annual Lunar Space Run will begin at 8 a.m. Saturday at the Gilruth Center with the wheelchair start at 7:55 a.m. The 5-kilometer run and 2-mile family walk, organized by the Bay Area Running Club, is expected to have marathon and half-marathon events. Participants will be awarded and all entrants will receive space run T-shirts. For more information contact Brenda Sanzarro at 469-0257.

More than 50 boats will sail from Clear Lake into Galveston Bay for the annual Lunar Rendezvous Boat Parade. The boat parade will be held Saturday evening for the first time this year and will be viewed from Clear Lake banks or waterfowl restaurants. Call the Lunar Rendezvous headquarters at 532-1254 for additional information.

**July 18**

An interdimensional Sunrise Service on the Bay will begin at 6:45 p.m. Sunday at Camp Casa Mar, 4810 Todville Road in Seabrook. Jim Bland, pastor of the Bay Area Presbyterian Church will lead the service. For more information call the Houston Space Academy at 532-1254.

**July 19**

The 15th annual Lunar Rendezvous Golf Tournament will tee off at 8 a.m. and 1 p.m. Monday at the Bay Oaks Country Club. Following the tournament, a silent auction, awards ceremony, barbecue dinner and dance will be featured. Entry fees are $100 for morning and $125 for afternoon tee times. For more information contact Sandy Sausley 334-1113.

**July 19-21**

The Junior Astronaut Corps of America will sponsor rocket launches and space rides as part of Junior Astronauts Camp at the San Jacinto College Central Campus in Pasadena. Would-be astronauts of all ages can experience what moving in space is like “On the Space Ball Side,” which mimics a multi-axis simulator. Saturday 2-4 p.m. Monday. A model rocket launch will be held from 9:30 a.m. to noon Wednesday. Both events are free and open to the public. The Junior Astronaut Corps is a non-profit group dedicated to stimulating children’s interest in science and math by using the excitement of space exploration. The group holds children’s space activities each summer at the San Jacinto College central campus. For more information, call 486-4446.

**July 19-23**

Boeing Aerospace Operations Co. will offer public open house tours of the Boeing Flight Equipment Processing Facility from 2-3 p.m. Monday through Friday. For more information, call Karl Thornton at 380-2828.

**July 19-25**

Children will learn about science and astronomy as a part of Student Starship at the University of Houston-Clear Lake. The science program includes a visit by the Clear Creek Independent School District’s “Clear Kids” will study amateur astronomy through the use of telescopes and stars. Advanced registration is required. Call Sharon Pennington at 283-3529 for schedule and registration information.

**July 22-24**

The Lunar Rendezvous Antique Show returns to John Ward Elementary School with more than 30 dealers offering antiques and collectibles. The show runs daily from 10 a.m. - 7 p.m., except July 24 when it closes at 6 p.m. A three-day ticket may be purchased for $4 at the door. For more information call the Bay Area Museum, 532-1254.

**July 23**

The Houston Space Academy and North Shore High School will host a model rocket launch and demonstration at JSC at 2 p.m. Friday. For more information, contact Ron Monroe at 511-947.

A Lunar Rendezvous Casino Night will be from 7:30-10:30 p.m. Friday at the Nassau Bay Hilton. Guests will receive $15,000 of “play” money for $15. Call 332-1254 for more information.

**July 24**

The Lunar Rendezvous Festival Family Fun Fair will be held at the Landolf Pavilion in Clear Lake Park beginning at 10 a.m. Saturday. Carnival rides, contests, arts and crafts, music, game booths, sculling demonstrations and a soft-serve ice cream will highlight the annual family outing. For more information, call the Bay Area Museum 532-1254.

**July 25**

Fiction’s most enchanting science teacher “Mr. Frizzle” will step out of the pages of children’s literature and meet her many young fans from noon-5 p.m. Sunday at Jeremy’s Bookshelf, 2441 Bay Area Blvd. In honor of the “Magic School Bus,” which transports Ms Frizzle and her students on exciting literary adventures, what moving in space is like “On the Space Ball Side,” which mimics a multi-axis simulator. Saturday 2-4 p.m. Monday. A model rocket launch will be held from 9:30 a.m. to noon Wednesday. Both events are free and open to the public. The Junior Astronaut Corps is a non-profit group dedicated to stimulating children’s interest in science and math by using the excitement of space exploration. The group holds children’s space activities each summer at the San Jacinto College central campus. For more information, call 486-4446.

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