

PEOPLE *on the* **MOVE****Key Management Assignments**

Tommy Holloway was named manager, International Space Station Program Office.

Ron Dittmore was named manager, Space Shuttle Program Office.

Charles Price was named branch chief of the Special Projects Office, Automation, Robotics, and Simulation Division, Engineering Directorate.

Bill Bastedo was named deputy manager of the Mission Integration Office, International Space Station Program Office.

Dane Russo was named chief, Crew Station Branch, Flight Crew Support Division, Space and Life Sciences Directorate.

Linda Bromley was selected as chief, Avionics Test and Analysis Branch, Avionics Systems Division, Engineering Directorate.

Vanessa Ellerbee was selected as flight manager, Space Shuttle Program Integration, Space Shuttle Program Office.

Natalie Saiz was named chief, Human Resources Management Branch, Human Resources Office.

Gerald Esquivel was selected as lead for payloads software and avionics integration, Hardware and Software Engineering Integration, International Space Station Program Office.

Additions to the Workforce

Andrew Nash joins the Aircraft Maintenance and Engineering Branch, Aircraft Operations Division, Flight Crew Operations Directorate, as flight systems engineer.

Terry Hill joins the Guidance, Navigation, and Control Development and Test Branch, Aeroscience and Flight Mechanics Division, Engineering Directorate, as a test engineer.

Clinton Baggerman joins the Electronic Design and Development Branch, Avionics Systems Division, Engineering Directorate, as an electronics engineer.

Jim Locke joins the Medical Operations Branch, Medical Sciences Division, Space and Life Sciences Directorate, as a medical officer.

Craig Fischer joins the Space and Life Sciences Directorate as assistant to the director for space medicine.

Promotions

Mirella Barron was selected as an office support specialist in the Aircraft Systems Quality Assurance Branch, Aircraft Operations Division, Flight Crew Operations Directorate.

Nancy Hutchins was selected as a records management specialist in the Information Science Branch, Information Products and Services Division, Information Systems Directorate.

Ginger Milligan was selected as a security assistant in the Security Branch, Support Operations Division, Center Operations Directorate.

Libby Salas was selected as a secretary in the Logistics Division, Center Operations Directorate.

Arlene Bell was selected as a secretary in the Avionics Office, International Space Station Program Office.

Carmen Hollins was selected as a computer assistant in the Medical Sciences Division, Space and Life Sciences Directorate.

Reassignments Between Directorates

Yvette Damien moves from the Space and Life Sciences Directorate to the Public Affairs Office.

Mike Conley moves from the International Space Station Program Office to the Engineering Directorate.

Charles Crews moves from the International Space Station Program Office to the Engineering Directorate.

Jo Hinson moves from the International Space Station Program Office to the Engineering Directorate.

Elvia Ortiz moves from the Mission Operations Directorate to the Engineering Directorate.

Linda Watters-Garcia moves from the International Space Station Program Office to the Office of the Chief Financial Officer.

John Kennedy moves from the Engineering Directorate to the Space Shuttle Program Office.

Mary Plaza moves from the Mission Operations Directorate to the Space Shuttle Program Office.

Mark Falls moves from the Engineering Directorate to the International Space Station Program Office.

Ed Shumilak moves from the Information Systems Directorate to the International Space Station Program Office.

Chuck Lloyd moves from the International Space Station Program Office to the Space and Life Sciences Directorate.

Steve Doering moves from the Mission Operations Directorate to the EVA Project Office.

Retirements

Peggy Nelson of the Mission Operations Directorate.

David Dittmar of the Engineering Directorate.

Ron Gerlach of the Engineering Directorate.

Resignations

Randy Brinkley of the International Space Station Program Office.

Melissa Bodeau of the Mission Operations Directorate.

Katie Chimenti of the Office of the Chief Financial Officer.

DATES & DATA**May 11**

NCMA meets: The National Contract Management Association will hold its education symposium at the University of Houston - Clear Lake May 11. For details, contact Marianne Ruiz at x38528.

May 12

IAAP meets: The Clear Lake/NASA Chapter of the International Association of Administrative Professionals (formerly Professional Secretaries International) will meet at 5:30 p.m. May 12 at Bay Oaks Country Club. Cost is \$16. For details and reservations, call Tami Barbour at 281-488-0055, x238.

Astronomy seminar: The JSC Astronomy Seminar will meet at noon May 12 and 19 in Bldg. 31, Rm. 248A. For more information, call Al Jackson at x35037.

Spaceland Toastmasters meet: The Spaceland Toastmasters will meet at 7 a.m. May 12 and 19 at the House of Prayer Lutheran Church. For details, call George Salazar at x30162.

Communicators meet: The Clear Lake Communicators, a Toastmasters club, will meet at 11:30 a.m. May 12 and 19 at Lockheed Martin, 555 Forge River Rd. For more information, call Allen Prescott at 281-282-3281 or Mark Caronna at 281-282-4306.

Spaceteam Toastmasters meet: The Spaceteam Toastmasters will meet at 11:30 a.m. May 12 and 19 at United Space Alliance, 600 Gemini. For details, call Patricia Blackwell at 281-282-4302.

May 13

MAES meets: The Society of Mexican-American Engineers and Scientists will meet at 11:30 a.m. May 13 in Bldg. 16, Rm. 111. For details, call George Salazar at x30162.

Airplane club meets: The Radio Control Airplane Club will meet at 7 p.m. May 13 at the Clear Lake Park building. For more information, call Bill Langdoc at x35970.

May 14

Astronomers meet: The JSC Astronomical Society will meet at 7:30 p.m. May 14 at the Center for Advanced Space Studies, 3600 Bay Area Blvd. For details, call Chuck Shaw at x35416.

May 19

Scuba club meets: The Lunarfans will meet at 7:30 p.m. May 19. For details, call Mike Manering at x32618.

May 20

Directors meet: The Space Family Education board of directors will meet at 11:30 a.m. May 20 in Bldg. 45, Rm. 712D. For details on this open meeting, call Gretchen Thomas at x37664.

May 24

Alzheimer's support group meets: The Clear Lake Alzheimer's Caregiver Support Group will meet from 7:30 p.m. to 9 p.m. May 24 in the first floor conference room in St. John Hospital, West Building, in Nassau Bay. For more information, call Nancy Malley 281-480-8917 or John Gouveia 281-280-8517.

May 27

National Space Society: The National Space Society will hold the 18th annual International Space Development Conference May 27-31, 1999, at the Hobby Airport Radisson Hotel, 9100 Gulf Freeway. Call 1-800-333-3333 by May 12 for reservations at the \$75 rate.

NASA BRIEFS**ASTRONOMERS DISCOVER 'MIDDLEWEIGHT' BLACK HOLES**

The field of black holes, formerly dominated by heavyweights packing the gravitational punch of a billion Suns and lightweights just a few times heavier than our Sun, now has a new contender — a just-discovered mysterious class of "middleweight" black holes, weighing in at 100 to 10,000 Suns.

Astronomers at NASA and Carnegie Mellon University have independently found evidence for the new type of black holes in spiral-shaped galaxies throughout the universe. The newfound black holes, formed by an unknown process, are 100 to 10,000 times as massive as the Sun, yet each occupies less space than the Moon.

A black hole is a region of space where the force of gravity is so powerful that nothing, not even light, can escape its pull. Until now, scientists knew about two types of black holes: stellar and supermassive. Stellar black holes are the remains of dead stars several times heavier than the Sun, compressed to a diameter of a few miles or less. Supermassive black holes have mind-boggling masses of one million to one billion Suns and may have formed in the early universe from giant gas clouds or from the collapse of clusters of immense numbers of stars.

NASA, USGS RELEASE FIRST LANDSAT 7 IMAGE

For Earth Day, NASA and the U.S. Geological Survey (USGS) unveiled the first image from the Landsat 7 satellite — a view of South Dakota, home of the USGS's data center for Landsat imagery. The resolution of the new image is twice as good as previous Landsat images, distinctly highlighting airport runways, dams, cities, rivers and highways.

Landsat 7 was launched April 15. The satellite is gathering data from Earth's land surface and surrounding coastal regions. Analysis of the data will provide scientists with new information on deforestation, receding glaciers and crop monitoring. After on-orbit testing, NASA will turn the satellite over to USGS to manage.

HUBBLE WATCHES IO, CAPTURES 'SNOW' VOLCANO

While hunting for volcanic plumes on Io, NASA's Hubble Space Telescope captured dramatic images of the volatile moon sweeping across the giant face of Jupiter. Only a few weeks before those images were taken, the orbiting telescope snapped a portrait of one of Io's volcanoes spewing sulfur dioxide "snow."

"Other observations have inferred sulfur dioxide 'snow' in Io's plumes, but this image offers direct observational evidence for sulfur dioxide 'snow' in an Io plume," explains John R. Spencer of Lowell Observatory in Flagstaff, Ariz.



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