

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

John Beall was named chief financial officer.

Linda Massey was selected as the chief, Logistics Division, Center Operations Directorate.

Al Wetterstroem was named manager, Biomedical Hardware Development and Engineering Office, Engineering Directorate.

Rhonda Moore was selected as chief, Manufacturing Services Branch, Manufacturing, Materials, and Process Technology Division, Engineering Directorate.

Larry Sweet was named chief, Information Products and Services Division, Information Systems Directorate.

Peggy Wooten was named chief, Information Science Branch, Information Products and Services Division, Information Systems Directorate.

Chris Ortiz was selected as chief, Systems and Applications Branch, Information Technology Division, Information Systems Directorate.

John Symes was named chief, Customer Support Office, Information Systems Directorate.

Lynn Buquo was named assistant chief, Customer Support Office, Information Systems Directorate.

Promotions

Carolyn Woolverton was selected as an administrative officer in the Astronaut Office, Flight Crew Operations Directorate.

Juanita Gibson was selected as a management assistant in the International Space Station Program Office.

Reassignments Between Directorates

Tom Ohnesorge moves from the Information Systems Directorate to the Mission Operations Directorate.

Chris Culbert moves from the Information Systems Directorate to the Engineering Directorate.

Mike Brieden moves from the Engineering Directorate to the Space Shuttle Program Office.

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

Butch Hosler moves from the International Space Station Program Office to the Engineering Directorate.

Kevin Watson moves from the International Space Station Program Office to the Engineering Directorate.

Honey Hyman moves from the Space Shuttle Program Office to the ISO 9000 Office.

Ken Lassmann moves from the Business Management Directorate to the Technology Transfer and Commercialization Office.

Christopher Counts moves from the Mission Operations Directorate to the Safety, Reliability, and Quality Assurance Office.

Dave Greenthaner moves from the Engineering Directorate to the International Space Station Program Office.

David Jackson moves from the EVA Project Office to the International Space Station Program Office.

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

George Nield moves from the Space Shuttle Program Office to the International Space Station Program Office.

Karen Peterson moves from the Mission Operations Directorate to the International Space Station Program Office.

Ron Spencer moves from the Mission Operations Directorate to the International Space Station Program Office.

Reassignments Between Centers

Bill Ramage moves to Marshall Space Flight Center.

Irene Bibyk moves to Goddard Space Flight Center.

Retirements

Manuel Avila of the Engineering Directorate.

John Hooper of the Engineering Directorate.

Mary Mechelay of the International Space Station Program Office.

Resignations

James McKinnie of the Mission Operations Directorate.

Jessica Cordero of the Mission Operations Directorate.

Debbie Webber of the International Space Station Program Office.

DATES & DATA**April 9**

Astronomers meet: The JSC Astronomical Society will meet at 7:30 p.m. April 9 at the Center for Advanced Space Studies, 3600 Bay Area Blvd. For details, call Chuck Shaw at x35416.

April 14

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. April 14 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 April 14, 21 and 28 and May 5 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. April 14, 21 and 28 and May 5 at the House of Prayer Lutheran Church. For more information, call George Salazar at x30162.

Communicators meet: The Clear Lake Communicators, a Toastmasters club, will meet at 11:30 a.m. April 14, 21 and 28 and May 5 at Lockheed Martin, 555 Forge River Rd. For details, call Allen Prescott at 282-3281 or Mark Caronna at 282-4306.

Spaceteam Toastmasters meet: The Spaceteam Toastmasters will meet at 11:30 a.m. April 14, 21 and 28 and May 5

at United Space Alliance, 600 Gemini. For details, call Patricia Blackwell at (281) 282-4302 or Brian Collins at x35190.

April 15

Directors meet: The Space Family Education board of directors will meet at 11:30 a.m. April 15 in Bldg. 45, Rm. 712D. For more information on this open meeting, call Gretchen Thomas at x37664.

JSC NMA meets: The JSC National Management Association will meet at 7:30 a.m. April 15 at the Gilruth Center.

April 21

Scuba club meets: The Lunarins will meet at 7:30 p.m. April 21. For details, call Mike Manering at x32618.

April 26

Alzheimer's support group meets: The Clear Lake Alzheimer's Caregiver Support Group will meet from 7:30 p.m. to 9 p.m. April 26 in the first floor conference room in St. John Hospital, West Building, in Nassau Bay. For details, call Nancy Malley (281-480-8917) or John Gouveia (281-280-8517).

April 29

Radio Club meets: The JSC Amateur Radio Club will meet at 6:30 p.m. April 29 at the Piccadilly, 2465 Bay Area Blvd. For details, call Larry Dietrich at x39198.

NASA BRIEFS**SPACE-AGE TECHNOLOGY PEEKS AT AMERICAN HISTORY**

A team of NASA scientists working at the request of the National Archives has proved that the containers preserving several pages of the U.S. Constitution are still safely sealed.

Scientists from Langley Research Center adapted a laser system from an atmospheric research program to peer into the encasements protecting three of the five pages of the Constitution. By analyzing how the laser was affected by water vapor within the cases, the scientists determined the two middle pages of the Constitution and the transmittal page are still protected by their half-century-old helium and water vapor atmosphere.

"This was a once-in-a-lifetime opportunity," said Dr. Joel S. Levine, the scientist who managed the project. "The U.S. Constitution is one of the most important documents in the history of the world. It was an honor and a privilege to be asked to perform this research."

In the early 1950s, the Declaration of Independence, the Constitution and the Bill of Rights, collectively known as the Charters of Freedom, were sealed in specially prepared containers.

The cases were filled with humidified helium to protect the documents. When scientists beamed the laser into the cases, the water vapor inside partially absorbed the beam. By analyzing the absorption pattern, the scientists determined that the atmosphere had not changed.

ALLIEDSIGNAL WINS WHITE SANDS CONTRACT

JSC has awarded a contract to AlliedSignal Technical Services Corp., Columbia, MD, for testing, evaluation and maintenance services for the center's White Sands Test Facility. Major subcontractors to AlliedSignal are L&M Technologies, Inc. and Lynx, Ltd.

The potential value of the contract, including award fees based on performance, is estimated at \$324 million. The contract effort will be divided into a two-year base period and three options for additional one-, two- and two-year periods sequentially.

SPACE RESEARCH MAY LEAD TO NEW FLU-FIGHTING DRUG

A NASA-industry team has used the results of space shuttle experiments to develop a new flu drug that may decrease the length and severity of the illness and even prevent the development of symptoms in those exposed to the virus.

"With NASA support for space- and ground-based research, we successfully mapped the molecular structure of the influenza virus," said Dr. Larry DeLucas, director of the Center for Macromolecular Crystallography at the University of Alabama at Birmingham. "The mapping exposed the virus' weaknesses in greater detail and our industrial partners were able to develop a drug that exploits those weaknesses."

Dr. Ming Luo, a professor at the Center for Macromolecular Crystallography, and an international team of crystallographers developed the "molecular map" of the flu virus from space grown protein crystals. The map was used to design drugs that block the undesirable characteristics of the virus.



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