

PEOPLE on the **MOVE****Human Resources reports the following personnel changes:****Key Personnel Assignments**

Allen Flynt was named Manager, EVA Project Office.

Steve Doering was named Deputy Manager, EVA Project Office.

Jonathan Clark was named Manager, Medical Operations, Space Medicine and Health Care Systems Office, Space and Life Sciences Directorate.

Additions to the Workforce

Sarah Shull joins the Cargo Integration and Operations Branch, Operations Division, Mission Operations Directorate, as a Flight Controller.

John Melcher joins the Mechanics, Booster and Maintenance Systems Branch, Systems Division, Mission Operations Directorate, as a Flight Controller.

Jennifer Scott joins the Communications and Data Systems Branch, Systems Division, Mission Operations Directorate, as a Flight Controller.

Jeremy Rea joins the Advanced Mission Design Branch, Aerospace and Flight Mechanics Division, Engineering Directorate, as an Aerospace Engineer.

Christopher Tracy joins the EVA and Spacesuit Systems Branch, Crew and Thermal Systems Division, Engineering Directorate, as an Aerospace Engineer.

Jacob Collins joins the Energy Systems Test Branch, Energy Systems Division, Engineering Directorate, as an Aerospace Engineer.

Leonard Yowell joins the Materials and Processes Branch, Structural Engineering Division, Engineering Directorate, as a Materials Engineer.

Ansley Collins joins the Systems and Applications Branch, Information Technology Division, Information Systems Directorate, as a Computer Engineer.

Linda Kruest joins the Office of the Chief Financial Officer, as a Program Analyst.

Jody Herst joins the Space Shuttle Resources Office, Office of the Chief Financial Officer, as a Program Analyst.

Margarita Sampson joins the ESA and NASDA Integration Office, Program Integration Office, International Space Station Program, as the Columbus Launch Package Manager.

Raymond Hagan joins the Human Adaptation and Countermeasures Office, Space and Life Sciences Directorate, as an Exercise Research and Rehabilitation Specialist.

Reassignments to Other Centers

Keith Albyn moves to the Marshall Space Flight Center.

Retirements

Mary Dunseith of the Public Affairs Office.

Wanda Brown of the Office of Procurement.

Sam Hardee of the Space Shuttle Program.

James Ellis of the Space and Life Sciences Directorate.

Resignations

K. P. McClung of the Space Shuttle Program.

DATES & DATA**American Society for Quality**

First Tuesday of the month 6 p.m., Franco's.
Contact: Ann Dorris at x38620.

Bay Area Aero Club

Second Tuesday of the month 7 p.m., Houston Gulf Airport clubhouse, 2750 FM 1266, League City
Contact: Larry Hendrickson at x32050
Web site www.bayareaaeroclub.org

Clear Lake Communicators, Toastmasters International Club

Thursdays 11:30, Wyle Laboratories, 1100 Hercules, Suite 305. Contact: Allen Prescott at (281) 282-3281 or Richard Lehman at (281) 280-6557.

Clear Lake Area chapter of the National Space Society

First Monday of every month Parker Williams Branch of the Harris County Library at 10851 Scarsdale Blvd.
Contact: Murray Clark at (281) 367-2227.

JSC National Management Association

Visit: www.jsc.nasa.gov/nma/

JSC Amateur Radio Club

Last Thursday of the month 6:30 p.m., Piccadilly, 2465 Bay Area Blvd. Contact: Larry Dietrich at x39198.

JSC Astronomical Society

Second Friday of month 7:30 p.m., Center for Advanced Space Studies, 3600 Bay Area Blvd Contact: Chuck Shaw at x35416 Website www.ghg.net/cbr/jscas/

Lunarfins

Third Wednesday of the month 7:30 p.m.
Contact: Mike Manering at x32618.
www4.jsc.nasa.gov/ah/ExecAF/leisure/Lunarfins/default.htm

National Society of Black Engineers

First Monday of the month 6:30 p.m., Texas Southern University, School of Technology, 1st floor. Contact: Kimberly Topps at (281) 280-2917.

Radio Control Airplane Club

Second Thursday of the month 7 p.m., Clear Lake Park building Contact: Bill Langdoc at x35970.

Society of Mexican-American Engineers and Scientists (MAES)

Second Wednesday of month 11:30 a.m., Bldg. 16, Rm. 111. Contact: Margaret C. Delgado at (713) 643-6097 or mcdelgad@aol.com.

Space City Chess Club

Friday evenings 5:30 p.m. until 9 p.m., Clear Lake United Methodist Church, 16335 El Camino Real, room 423
All skill levels are welcome. Contact: James Mulberry at x39287 or James Termini at x32639.

Spaceland Toastmasters

• Wednesday mornings at 7 a.m. USA Space Alliance Building 600 Gemini. Contact: Ava Sloan at (713) 768-6336 or asloan@hal-pc.org

• Wednesday mornings at 11:30 a.m. United Space Alliance, 600 Gemini. Contact: Patricia Blackwell at (281) 280-6863.

For additional JSC news, please visit the *Cyberspace Roundup*:

<http://www.jsc.nasa.gov/pao/roundup/>

NASA BRIEFS**DUST FROM AFRICA LEADS TO LARGE TOXIC ALGAE BLOOMS IN GULF OF MEXICO, STUDY FINDS**

Saharan dust clouds travel thousands of miles and fertilize the water off the West Florida coast with iron, which kicks off blooms of toxic algae, according to a new study. The research was partially funded by a NASA grant as part of ECOHAB: Florida (Ecology and Oceanography of Harmful Algal Blooms), a multi-disciplinary research project designed to study harmful algae.

Toxic algal blooms, sometimes called red tides, have in the past killed huge numbers of fish, shellfish, marine mammals, birds, and can cause skin and respiratory problems in humans.

Each year iron from Saharan dust clouds is deposited in the waters off the West Florida coast. Once there, plant-like bacteria use the iron to set the stage for red tides. When iron levels go up, this bacteria, called *Trichodesmium*, 'fixes' nitrogen in the water, converting it to a form usable by other marine life. The addition of biologically usable nitrogen in the water makes the Gulf of Mexico a more likely environment for toxic algae to bloom.

"This is one of the first studies that quantitatively measured iron from the dust and tied it to red tides through *Trichodesmium*," said Jason Lenes, a graduate student at University of South Florida's College of Marine Science, and the lead author in the study. Lenes works under John J. Walsh, one of the principal investigators for ECOHAB, and one of the paper's coauthors. The research appears in the September issue of the scientific journal, *Limnology and Oceanography*.

Humans who swim in the Gulf can experience respiratory problems by breathing toxins from red algae that get in the air. Also, eating shellfish poisoned by red tides can lead to paralysis and memory problems. Around the Gulf of Mexico, scientists and others have recorded fish kills totaling in the millions and manatee deaths in the hundreds resulting from a single red tide bloom.

NASA COMES TO THE AID OF AIRCRAFT-NOISE SUFFERERS

Residents of communities near airports may someday breathe an audible sigh of relief as a result of NASA tests using one of the world's largest wind tunnels to evaluate a variety of 'quiet' aircraft technologies.

Aircraft are at their 'loudest' when landing gear, wing flaps and slats are deployed, creating large amounts of wind turbulence and generating lots of noise. Engineers at NASA Ames Research Center, in California's Silicon Valley, with support from NASA Langley Research Center, Hampton, Va., will use Ames' 40 x 80-foot (12.2 x 24.4-meter) subsonic wind tunnel to test design modifications that reduce aircraft noise on a 26 percent-scale model of a Boeing 777 aircraft.

SPACE CENTER **Roundup**

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