



National Aeronautics and Space Administration
Goddard Space Flight Center

Wallops Flight Facility, Wallops Island, Virginia

Inside Wallops

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NASA Achieves ISO 9001 Registration at all Sites

As of Sept. 17, all NASA centers, NASA Headquarters, the Jet Propulsion Laboratory and all of NASA's government operated facilities have achieved ISO 9001 registration or been recommended for registration.

With this accomplishment, NASA became the world's first federal or state agency with multiple sites to have all its sites under ISO 9001 registration.

NASA Headquarters is among the first corporate headquarters offices in the world to achieve its ISO 9001 registration.

Administrator Daniel S. Goldin challenged NASA in November 1996 to have all the agency's facilities certified by September 1999.

"We are leaders in the world of science and technology. We must also be leaders in the world of quality. I am requiring that the Agency be third-party certified in our key processes, by an internationally recognized registrar, to ISO 9001. This commitment applies to all centers and headquarters," said Goldin.

The ISO 9001 standard is an internationally accepted set of topics comprising the basic items needed to define and implement a "Quality Management System" for an organization.

An impartial auditor evaluates the effectiveness and completeness of the quality management system before recommending registration.



**Create Hope and Opportunity
Reach Out for Love**

**1999 Combined Federal Campaign
Oct. 1 - 31, 1999**

**Kick-off Meeting
10:30 a.m. - noon
Sept. 29
Bldg. F-6, Rm 213**

NASA Technology May Help Victims Of Diabetes

Some American diabetics may soon be using NASA virtual-reality technology to peer inside the human body and manage the effects of the disease.

Preliminary observations show that artificial-vision technology, used to help pilots train to fly in poor visibility, helps diabetics at risk for nerve damage visualize and control blood flow to the arms and legs.

In studies this fall, patients will use "biofeedback"—self-control techniques, including changes in breathing and muscle flexing—to increase their blood flow, which will be measured through sensors attached to their fingertips.

The system will use skin-surface pulse and temperature measurements to create a computer-generated image of what is actually happening to blood vessels under the skin. Just as pilots use artificial vision to "see" into bad weather, patients will use this virtual reality device to "see" beneath their skin.

The graphics technologies used in the study have been used in cockpit artificial-vision systems to help pilots see in low- or no-visibility situations and to help designers study air-flow patterns around new aircraft shapes. In this fall's studies, diabetes patients will wear a 3-D virtual-reality headset to "see" the contraction and expansion of their own blood vessels.

Norfolk, VA. "What we have here is an immediate and direct, real-time visual appreciation of what's happening with blood flow," said Dr. Aaron Vinik, professor of internal medicine and director of research at the Strelitz Institutes.

Studies also will begin this fall in the Behavioral Medicine Center at the University of Virginia Health Sciences Center, Charlottesville, VA, to evaluate the technology for the treatment of other blood-flow disorders.

"If tests are successful, this technology may also be used to help sufferers of migraine headaches and other chronic blood-flow disorders," said NASA researcher Alan Pope. Pope and Kurt Severance, of NASA's Langley Research Center are the inventors of the virtual-reality device.

Wallops Shorts..... Balloon Launch

A NASA scientific balloon was successfully launched from Ft. Sumner, N.M. on Sept. 20. The 39.57 million cubic foot balloon carried a cosmic and heliospheric physics experiment. The flight was conducted as a system performance demonstration prior to flying the experiment on a long duration balloon. Dr. Dietrich Muller of the University of Chicago was the Principal Investigator.

Wallops Fire Department

Fire Department personnel responded to the scene of a vehicle fire in front of the NASA Visitor Center on Sept. 18.

At the request of Accomack County 911, Fire Department Emergency Medical Technicians responded to the scene of a motor vehicle accident on Fleming Road on Sept. 22. One victim was transported to Peninsula Regional Medical Center.

Underwood Named Chief

Effective Sept. 12, Bruce Underwood was selected as Chief of the Policy and Business Relations Office, Suborbital and Special Orbital Projects Directorate.



The above exhibit, "100 Years on Wallops Island" received an "Outstanding Exhibit" award at the Virginia State Fair. The exhibit was in the Regional Showcase Building on Sept. 25 and 26 when the Eastern Shore Region was featured.

PAO Digital Photo

The studies will be conducted by the Strelitz Diabetes Research Institutes of the Eastern Virginia Medical School,

Wallops Island Open for Recreational Use

by Caroline Massey

The north and south ends of Wallops Island are open to pedestrian use only. These areas had previously been closed as part of the NASA Wallops continuing cooperation with the U.S. Fish and Wildlife Service to protect the piping plover. Wallops Island provides good nesting and foraging habitat and is considered a prime pre-migratory staging area for the endangered plover.

The recreational use area is to the north and south of the launch pads. Pedestrian access points are by way of the dune-crossing to the east of the old helicopter pad and by way of the dune-crossing to the east of Camera Station 15 on the north end of Wallops.

Use of the recreational beach area is during non-operational hours between sunrise and sunset. Non-operational hours are normally weekends and holidays and before 7:30 a.m. and after 4:30 p.m. on weekdays. Launch activities during non-operational hours may require closure of the recreational areas.

All recreational beach users should be aware that:

-- Recreational areas are open from sunrise to sunset during non-operational hours (except during launch activity).

-- Launch areas are never open for recreational use.

-- Everyone should maintain the natural state of the Island and properly dispose of all trash.

-- Open fires, pets and weapons are not allowed.

For further information, call Caroline Massey, x1959.



During the recent Beach Clean-up on Wallops Island, 37 volunteers picked up 1.01 tons of trash. Thanks to everyone who came out and helped.

Mark Your Calendar

Semi-Annual Navy Family Housing Yard Sale

Saturday, October 30
7:30 a.m. to 1:30 p.m.



The History of Oktoberfest

The first Oktoberfest was held in 1810 celebrating the marriage of Crown Prince Ludwig, later to become King Ludwig I, to Princess Therese of Saxony-Hildburghausen on Oct. 12.

The citizens of Munich were invited to attend the festivities held on the fields in front of the city gates to celebrate the happy royal event.

The Wallops Exchange and Morale Association (WEMA) and Morale Activities Association (MAC) would like to invite you to the Wallops version of --

OKTOBERFEST (FREE)

October 23
Noon to 5 p.m.

at the Wallops
ball field

German food
and beverages

Children's activities
festive music



Contact Bev Hall, x1714 or Gerry McIntire, x1889 for more information.

Pre-SAT Testing to be Held at Wallops

Pre-SAT testing will be held at Wallops on Oct. 2 from 10 a.m. to 1 p.m. in Building E-2.

For more information contact Dave Smith, x1316. Sponsored by the Wallops Black History Club and Morale Activities Committee.

Fiscal New Year's Party With Bennett Street Blues Band

October 1
8:30 p.m. to 12:30 a.m.
Bldg. F-3

Call Sandy Gunter, x1454 or Pam Milbourne, x2020 for tickets.

For Sale

1992 Toyota Camry - AC, power locks, cruise control, moonroof, AM/FM cassette, 61,000 miles, asking \$9,000
Call 824-4437

Dare IV Fireplace Insert - Wood Stove
Asking \$100. Call 665-6220

From FedWeek Sept. 29 Issue

Health Insurance Rates Jump

Premiums under the Federal Employees Health Benefits program will rise an average 9.3% in January. That's the third year in a row that premiums have risen, a trend the Office of Personnel Management is pledging to reverse. The average enrollee with self-only coverage will pay \$33.04 biweekly -- \$2.94 more than in 1999. An enrollee with family coverage will pay \$71.76, or \$7.09 more. Most federal employees have Blue Cross/Blue Shield coverage. OPM said the biweekly "standard" coverage premium for individuals will rise by \$2.22 to \$30.04 next year. For families, the standard coverage premium will rise \$4.46, to \$66.78. Biweekly premiums of Kaiser Permanente, another popular choice, also will go up by \$1.67 to \$23.50 next year. Family coverage will increase by \$2.83 to \$58.10.

Visit FedWeek's website (<http://www.fedweek.com>) to view the 2000 Federal Employees Health Benefits premium rates and the changes from 1999.

FEHB Open Season Dates

The 2000 open enrollment period for the Federal Employees Health Benefits program runs from November 8 to December 13. Eligible federal and postal employees and retirees can stay with their current health plan or select a new plan during that period



Thank You

I would like to take this time to thank everyone for the cards, visits, phone calls and prayers sent my way during my illness. The Lord was with me all the time. I went to the doctor yesterday, and he informed me that I DO NOT need a heart transplant. "Thanks be to God, He is good all the time". Keep praying for me and my family, and my the Lord bless each of you.

Vernon Bailey

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