

(The nominations received today are printed at the end of the Senate proceedings.)

REPORT ON AERONAUTICS AND SPACE FOR FISCAL YEAR 1994—MESSAGE FROM THE PRESIDENT—PM 52

The PRESIDING OFFICER laid before the Senate the following message from the President of the United States, together with an accompanying report; which was referred to the Committee on Commerce, Science, and Transportation.

*To the Congress of the United States:*

I am pleased to transmit this report on the Nation's achievements in aeronautics and space during Fiscal Year 1994, as required under section 206 of the National Aeronautics and Space Act of 1958, as amended (42 U.S.C. 2476). Aeronautics and space activities involve 15 contributing departments and agencies of the Federal Government, as this report reflects, and the results of their ongoing research and development affect the Nation as a whole in a variety of ways.

Fiscal Year 1994 featured many important developments and changes in U.S. aeronautics and space efforts. It included 7 Space Shuttle missions successfully completed, 15 Government launches of Expendable Launch Vehicles (ELVs), and 4 commercial launches from Government facilities. Among notable developments in the ELV area were the launch of the Deep Space probe, Clementine, initial use of the Titan IV Centaur upper stage, and the first launch of the Taurus launch vehicle. Highlights of the Shuttle missions included the highly successful servicing mission for the Hubble Space Telescope (HST), which replaced several faulty parts and installed a sophisticated package of corrective optics to compensate for the spherical aberration in HST's primary mirror. Also, the flight of the Space Radar Laboratory began to provide information on environmental change, and a mission with a Russian astronaut, Sergei Krikalev, as a member of the crew signalled the beginning of a three-phased cooperative program in space between Russia and the United States.

In a year of tremendous accomplishments for the international Space Station, National Aeronautics and Space Administration (NASA) developed an initial set of specifications that included Russian elements as part of the design. Russia's agreeing to join the 12 original participating nations as a partner resulted in the expansion of the existing Shuttle/Mir program into Phase I of the international Space Station program, which officially began with Sergei Krikalev's flight on the Shuttle. All of the partners held a successful systems design review in Texas in March, and in June, Russia and the United States signed an interim agreement on the Space Station and a \$400

million contract for Russian space hardware, services, and data. In August, the program completed a vehicle architecture review and in September, the Space Station Control Board ratified the recommendations it included. The redesigned Space Station costs \$5 billion less than Space Station Freedom and still offers increased research capability and user flexibility.

In aeronautics, activities included development of technologies to improve performance, increase safety, reduce engine noise and other environmental degradation, improve air traffic management, lower costs, and help American industry to be more competitive in the world market. For example, high-speed research continued during Fiscal Year 1994 to focus on resolving critical environmental issues and laying the technological foundation for an economical, next generation, High Speed Civil Transport (HSCT). In this connection, the United States reached agreement with Russia to use the Tu-144 supersonic transport as a testbed for HSCT development. In addition, efforts in advanced subsonics focused on reducing aircraft and engine noise levels, on development of wind shear sensing devices, and on creating technologies that will improve general aviation aircraft.

In space science, astronomers using HST's revitalized optics discovered disks of protoplanetary dust orbiting stars in the Orion Nebula, suggesting that the formation of planets in the Milky Way and elsewhere may be relatively common. Also, HST's revelation of helium in distant constellations provides valuable information about the conditions in the universe during its initial evolution. The Spacelab Life Sciences-2, U.S. Microgravity Payload-2, and International Microgravity Laboratory-2 greatly increased our understanding of the role of gravity on biological, physical, and chemical processes. In biology, we learned that gravity affects the function of the neural connections between brain cells; this can have profound implications for rebuilding damaged brain cells due to strokes and disease. In Earth science, the Space Radar Laboratories-1 and -2, plus the Lidar In-Space Technology Experiment payload, used powerful radar and laser technology to penetrate cloud cover and map critical factors on a global scale. Also, the highly successful launch of the Clementine Deep Space Probe tested 23 advanced technologies for high-tech, lightweight missile defense. The relatively inexpensive, rapidly-built spacecraft constituted a major revolution in spacecraft management and design; it also contributed significantly to lunar studies by photographing 1.8 million images of the surface of the Moon.

Additionally, on May 5, 1994, the White House announced that the National Oceanic and Atmospheric Administration (NOAA), the Department of Defense, and NASA were establishing a joint program to effect the

convergence of civil and military polar-orbiting operational environmental satellite systems into a single operational program. Other White House announcements during the year included a policy for licensing U.S. firms by the Secretary of Commerce to operate private remote sensing systems and sell their images to domestic and foreign entities and a national space transportation policy that will sustain and revitalize U.S. space transportation capabilities by providing a coherent strategy for supporting and strengthening U.S. space launch capabilities to meet the growth needs of the civilian and national security sectors.

Thus, Fiscal Year 1994 was a highly successful one for the U.S. aeronautics and space programs. Efforts in both areas have contributed significantly to furthering the Nation's scientific and technical knowledge, international cooperation, a healthier environment, and a more competitive economy.

WILLIAM J. CLINTON.

THE WHITE HOUSE, May 24, 1995.

MESSAGES FROM THE HOUSE

ENROLLED BILL SIGNED

At 11 a.m., a message from the House of Representatives, delivered by Mr. Hays, one of its reading clerks, announced that the Speaker has signed the following enrolled bill:

H.R. 1421. An act to provide that references in the statutes of the United States to any committee or officer of the House of Representatives the name or jurisdiction of which was changed as part of the reorganization of the House of Representatives at the beginning of the One Hundred Fourth Congress shall be treated as referring to the currently applicable committee or officer of the House of Representatives.

The enrolled bill was subsequently signed by the President pro tempore [Mr. THURMOND].

INTRODUCTION OF BILLS AND JOINT RESOLUTIONS

The following bills and joint resolutions were introduced, read the first and second time by unanimous consent, and referred as indicated:

By Mr. SHELBY (for himself, Mr. HEFLIN, Mr. COVERDELL, and Mr. NUNN):

S. 848. A bill to grant the consent of Congress to an amendment of the Historic Chattahoochee Compact between the States of Alabama and Georgia; to the Committee on the Judiciary.

By Mr. D'AMATO:

S. 849. A bill to amend the Age Discrimination in Employment Act of 1967 to protect elected judges against discrimination based on age; to the Committee on Labor and Human Resources.

By Mrs. KASSEBAUM (for herself, Mr. COATS, Mr. JEFFORDS, Mr. KENNEDY, Mr. DODD, and Mr. INOUE):

S. 850. A bill to amend the Child Care and Development Block Grant Act of 1990 to consolidate Federal child care programs, and for other purposes; to the Committee on Labor and Human Resources.