

resulting database overload caused the ship's LAN, including 27 dual 200-MHz Pentium Pro miniature remote terminal units, to crash, they said.

The petty officer, who has since left the Navy, fed the bad data into the Remote Data Base Manager, a Standard Monitoring Control System application. SMCS, developed by Canadian Aviation Electronics Inc. of Toronto, allows sailors to monitor the ship's engineering and propulsion plant for potential casualties.

The system provides troubleshooting data and normally indicates whether a valve is open or closed without requiring calibration. But something went wrong.

"There was a problem in that this one valve was closed, but SMCS wasn't indicating it as such," said Cmdr. Eric Sweigard, the Yorktown's commanding officer. "So this petty officer stared playing with the data.

"This was the only time it occurred, and since then there have been some changes made to prevent it from happening again," he said.

SMCS managers are now aware of the problem of entering zero into database fields and are trained to bypass a bad data field and change the value if such a problem were to occur again, Sweigard said.

"Now that we know what can happen, we've realized how to bring the system back quickly," Petty Officer 1st Class Phillip Cramer said. "All we have to do is change the zero to any number, and everything comes right back up."

The Yorktown was not towed into port as a result of this incident, Sweigard said. The ship restored the LAN in about two hours as it made its way to the Naval base at Norfolk, VA., under its own power, he said.

"It's not something that we desire, but ships do go dead in the water," Sweigard said. "People sometimes make mistakes and systems break. The trick is we have trained our crew to react to those situations."

The Office of the Navy's Chief Information Officer is conducting a detailed inquiry of the Yorktown incident, Navy officials said. A report from the Navy CIO is expected later this month, officials said.

POINT OF NO RETURN

Regardless of who or what was at fault for the Yorktown LAN failure, the stakes for the Navy are high. The service plans to install Smart Ship technology on all its cruisers.

The Navy selected NT 4.0 as the standard operating system aboard the Yorktown for its reliability, functionality, low cost and ease of integration, said Lt. Danny Bethel, Yorktown's electronics material officer. NT runs the Yorktown's integrated bridge, engineering, condition assessment and damage control systems.

The Yorktown uses dual 200-MHz Pentium Pro systems from Intergraph Corp. of Huntsville, Ala., to run NT over a fiber-optic, asynchronous transfer mode LAN. Shipboard users can access computers from 15 locations so that the Yorktown can be driven from virtually anywhere on the ship.

The Navy has reduced the Yorktown's crew from about 350 sailors to 307 personnel by adopting new policies and procedures, as well as through the use of commercial products, Sweigard said.

The Navy's Western Hemisphere Group will begin installing Smart Ship technologies aboard the USS Ticonderoga and USS Thomas S. Gates early next year, said Lt. Danny Hernandez, public affairs officer for the group in Mayport, Fla.

Smart Ship was the brainchild of Adm. Jeremy Boorda, the late chief of Naval operations who wanted to save money by reducing personnel aboard Navy ships while maintaining safety.

SENATE COMMITTEE MEETINGS

Title IV of Senate Resolution 4, agreed to by the Senate on February 4, 1977, calls for establishment of a system for a computerized schedule of all meetings and hearings of Senate committees, subcommittees, joint committees, and committees of conference. This title requires all such committees to notify the Office of the Senate Daily Digest—designated by the Rules committee—of the time, place, and purpose of the meetings, when scheduled, and any cancellations or changes in the meetings as they occur.

As an additional procedure along with the computerization of this information, the Office of the Senate Daily Digest will prepare this information for printing in the Extensions of Remarks section of the CONGRESSIONAL RECORD on Monday and Wednesday of each week.

Meetings scheduled for Thursday, April 15, 1999 may be found in the Daily Digest of today's RECORD.

MEETINGS SCHEDULED

APRIL 20

9:30 a.m.

Energy and Natural Resources

To hold hearings on S. 25, to provide Coastal Impact Assistance to State and local governments, to amend the Outer Continental Shelf Lands Act Amendments of 1978, the Land and Water Conservation Fund Act of 1965, the Urban Park and Recreation Recovery Act, and the Federal Aid in Wildlife Restoration Act (commonly referred to as the Pittman-Robertson Act) to establish a fund to meet the outdoor conservation and recreation needs of the American people; S. 446, to provide for the permanent protection of the resources of the United States in the year 2000 and beyond; and S. 532, to provide increased funding for the Land and Water Conservation Fund and Urban Parks and Recreation Recovery Programs, to resume the funding of the State grants program of the Land and Water Conservation Fund, and to provide for the acquisition and development of conservation and recreation facilities and programs in urban areas.

SD-366

Indian Affairs

To hold oversight hearings on the implementation of the Native American Graves Protection and Repatriation Act.

SR-485

Environment and Public Works

To hold hearings on the nomination of George T. Frampton, Jr., of the District of Columbia, to be a Member of the Council on Environmental Quality.

SD-406

Foreign Relations

To hold hearings to examine the current and growing missile threats to the United States.

SD-562

10 a.m.

Judiciary

To hold hearings on S.J. Res. 14, proposing an amendment to the Constitution of the United States authorizing Congress to prohibit the physical desecration of the flag of the United States.

SD-226

10:30 a.m.

Governmental Affairs

To hold hearings on the nominations of Eric T. Washington, to be an Associate Judge of the District of Columbia Court of Appeals; Stephen H. Glickman, to be an Associate Judge of the District of Columbia Court of Appeals; and Hiram E. Puig-Lugo, to be an Associate Judge of the Superior Court of the District of Columbia.

SD-342

2 p.m.

Judiciary

Youth Violence Subcommittee

Technology, Terrorism, and Government Information Subcommittee

To hold joint hearings on domestic preparedness in the next generation.

SD-226

Foreign Relations

To hold hearings to examine NATO's 50th anniversary summit.

SD-562

2:30 p.m.

Armed Services

Emerging Threats and Capabilities Subcommittee

To hold hearings on proposed legislation authorizing funds for fiscal year 2000 for the Department of Defense, focusing on the science and technology program and the Future Years Defense Program.

SR-222

APRIL 21

9:30 a.m.

Indian Affairs

To hold hearings on S. 401, to provide for business development and trade promotion for native Americans, and for other purposes.

SR-485

Energy and Natural Resources

Business meeting to consider pending calendar business.

SD-366

Commerce, Science, and Transportation

To hold hearings on issues relating to telecommunications and internet access.

SR-253

Armed Services

Readiness and Management Support Subcommittee

To hold hearings on the readiness of the United States Navy and Marines operating forces.

SR-222

10 a.m.

Governmental Affairs

To hold hearings on S. 746, to provide for analysis of major rules, to promote the public's right to know the costs and benefits of major rules, and to increase the accountability of quality of Government.

SD-342

Foreign Relations

Business meeting to markup proposed legislation for fiscal year 2000-2001 for foreign assistance programs.

SD-562

1 p.m.
 Judiciary
 Constitution, Federalism, and Property Rights Subcommittee
 Business meeting to consider S.J. Res. 14, proposing an amendment to the Constitution of the United States authorizing Congress to prohibit the physical desecration of the flag of the United States.

SD-226

2 p.m.
 Energy and Natural Resources
 Forests and Public Land Management Subcommittee
 To hold oversight hearings to review the Memorandum of Understanding signed by multiple agencies regarding the Lewis and Clark bicentennial celebration.

SD-366

United States Senate Caucus on International Narcotics Control
 To hold hearings on the threat of corruption to United States Law Enforcement along the Southwest border.

SH-216

Commerce, Science, and Transportation
 Science, Technology, and Space Subcommittee
 To hold hearings on proposed legislation authorizing funds for fiscal year 2000 for Technology Administration, Department of Commerce.

SR-253

APRIL 22

9:30 a.m.
 Commerce, Science, and Transportation
 To hold hearings to examine boxing industry regulations.

SR-253

10 a.m.
 Governmental Affairs
 To hold hearings on S. 59, to provide Government-wide accounting of regulatory costs and benefits, and other regulatory reform legislation.

SD-342

Banking, Housing, and Urban Affairs
 International Trade and Finance Subcommittee
 Economic Policy Subcommittee
 To hold joint hearings on issues relating to the official dollarization in emerging-market countries.

SD-538

2 p.m.
 Energy and Natural Resources
 National Parks, Historic Preservation, and Recreation Subcommittee
 To hold hearings on S. 441, to amend the National Trails System Act to designate the route of the War of 1812 British invasion of Maryland and Washington, District of Columbia, and the route of the American defense, for study for potential addition to the national trails system; S. 548, to establish the Fallen Timbers Battlefield and Fort Miamis National Historical Site in the State of Ohio; S. 581, to protect the Paoli and Brandywine Battlefields in Pennsylvania, to authorize a Valley Forge Museum of the American Revolution at Valley Forge National Historical Park; and S. 700, to amend the National Trails System Act to designate

the Ala Kahakai Trail as a National Historic Trail.

SD-366

APRIL 27

9:30 a.m.
 Energy and Natural Resources
 To resume hearings on S. 25, to provide Coastal Impact Assistance to State and local governments, to amend the Outer Continental Shelf Lands Act Amendments of 1978, the Land and Water Conservation Fund Act of 1965, the Urban Park and Recreation Recovery Act, and the Federal Aid in Wildlife Restoration Act (commonly referred to as the Pittman-Robertson Act) to establish a fund to meet the outdoor conservation and recreation needs of the American people; S. 446, to provide for the permanent protection of the resources of the United States in the year 2000 and beyond; and S. 532, to provide increased funding for the Land and Water Conservation Fund and Urban Parks and Recreation Recovery Programs, to resume the funding of the State grants program of the Land and Water Conservation Fund, and to provide for the acquisition and development of conservation and recreation facilities and programs in urban areas.

SD-366

APRIL 28

9:30 a.m.
 Indian Affairs
 To hold oversight hearings on Bureau of Indian Affairs capacity and mission.

SR-485

2 p.m.
 Energy and Natural Resources
 Forests and Public Land Management Subcommittee
 To hold hearings on S. 415, to protect the permanent trust funds of the State of Arizona from erosion due to inflation and modify the basis on which distributions are made from those funds; and S. 607, reauthorize and amend the National Geologic Mapping Act of 1992.

SD-366

APRIL 29

9:30 a.m.
 Appropriations
 Interior Subcommittee
 Energy and Natural Resources
 National Parks, Historic Preservation, and Recreation Subcommittee
 To hold joint oversight hearings to review the report of the Government Accounting Office on the Everglades National Park Restoration Project.

SD-366

Environment and Public Works
 Transportation and Infrastructure Subcommittee
 To hold hearings on project delivery and streamlining of the Transportation Equity Act for the 21st Century.

SD-406

MAY 4

9:30 a.m.
 Energy and Natural Resources
 To resume hearings on S. 25, to provide Coastal Impact Assistance to State and local governments, to amend the Outer Continental Shelf Lands Act Amendments of 1978, the Land and Water Conservation Fund Act of 1965, the Urban Park and Recreation Recovery Act, and the Federal Aid in Wildlife Restoration Act (commonly referred to as the Pittman-Robertson Act) to establish a fund to meet the outdoor conservation and recreation needs of the American people; S. 446, to provide for the permanent protection of the resources of the United States in the year 2000 and beyond; and S. 532, to provide increased funding for the Land and Water Conservation Fund and Urban Parks and Recreation Recovery Programs, to resume the funding of the State grants program of the Land and Water Conservation Fund, and to provide for the acquisition and development of conservation and recreation facilities and programs in urban areas.

SD-366

Indian Affairs
 To hold oversight hearings on Census 2000, implementation in Indian Country.

SR-485

MAY 5

9:30 a.m.
 Indian Affairs
 To hold oversight hearings on Tribal Priority Allocations and Contract Support Costs Report.

SR-485

MAY 6

9:30 a.m.
 Energy and Natural Resources
 To hold hearings to examine the results of the December 1998 plebiscite on Puerto Rico.

SH-216

MAY 12

9:30 a.m.
 Indian Affairs
 To hold oversight hearings on HUB zones implementation.

SR-485

MAY 19

9:30 a.m.
 Indian Affairs
 To hold hearings on S. 614, to provide for regulatory reform in order to encourage investment, business, and economic development with respect to activities conducted on Indian lands.

SR-485

SEPTEMBER 28

9:30 a.m.
 Veterans' Affairs
 To hold joint hearings with the House Committee on Veterans' Affairs to review the legislative recommendations of the American Legion.

345 Cannon Building