
President's Information Technology Advisory Committee

Digital Libraries Panel

**Bob Kahn
for David Nagel, Chair**

May 18, 2000

Digital Libraries Panel Briefing Outline

- **Members**
- **Panel Charter**
- **February 24, 2000 meeting**
- **May 17, 2000 meeting**
- **Draft findings and recommendations**
- **Next steps**

Digital Libraries Panel Members

- **Chair**
 - **Dave Nagel**
- **PITAC Members**
 - **Eric Benhamou**
 - **Ching-chih Chen**
 - **Hector Garcia-Molina**
 - **Jim Gray**
 - **Bob Kahn**
 - **Raj Reddy**

Digital Libraries Panel Charter

- **Digital libraries are fundamental enabling technologies for all 10 "critical National Challenge Transformations" described in the PITAC's February 1999 report.**
- **The goal of this panel is to develop a technology research agenda and rationale for the digital libraries R&D that must be conducted in order to realize these transformations.**

February 24, 2000 Digital Libraries Briefings

- **Intellectual Property Rights** Alan Inouye, CSTB
- **Federal Statistics** Katherine Wallman, OMB
- **Digital Library for Science and Engineering Education** James Lightbourne, NSF/EHR/DUE
- **Geo-spatial Data** Barbara Ryan, USGS
- **Biomedical Research and Health Care Applications** Milton Corn, NIH/NLM
- **Metadata Issues** Clifford Lynch, CNI
- **Digital Libraries R&D at NSF** Michael Lesk, NSF/CISE/IIS

May 17, 2000 Digital Libraries Briefings

- **DL R&D at NOAA** **Bill Turnbull**
- **DL R&D at NASA** **Milt Halem**
- **The Interagency DL Initiative** **Steve Griffin, NSF**
- **DL for Humanities** **George Farr, NEH**
- **Publishing Paper Archives on the Web** **Yann LeCun, AT&T Labs**
- **Language and Information Processing** **Alexa McCray, NIH/NLM**

Draft Digital Libraries Panel Findings

- 1. The full potential of the Internet is not being exploited.**
- 2. The appeal of the World Wide Web is clear and its use is growing.**
- 3. Technological progress in digital libraries raises issues on which producers and consumers can work together effectively.**
- 4. Libraries, museums, and other collection holders do not have adequate resources to migrate their holdings to the digital medium.**
- 5. Many intellectual property rights holders have not agreed on how to make their materials available on the Internet, if at all.**
- 6. Unauthorized challenges to rights holders are increasing.**

Draft Digital Libraries Panel Recommendations

1. Support research on a wide variety of topics including:

Archival storage and preservation

Human use

Intellectual property

Interoperability

Metadata & metadata use

Privacy & security

Scale

2. Provide the necessary resources to make all Federal material persistently available in digital form on the Internet.

3. Establish large scale testbeds.

4. Outreach to other Federal agencies

Next Steps for Digital Libraries Panel

- **Finalize findings and recommendations and write report (summer 2000)**
- **Brief final report at at September 21, 2000 PITAC meeting**