

The NRL Digital Library

*American Chemical Society's Library Advisory Group
November 27, 2000*

R. James King
JamesK@library.nrl.navy.mil
Specialist in Library Information Technology
Naval Research Laboratory

Outline

- About NRL
- Brief History of NRL Digital Library
- Describing the NRL Digital Library
 - InfoWeb
 - TORPEDO *Ultra*
 - ISI Web of Science
- Future Directions

The Navy's Corporate Research Facility

Main Campus - Washington, D.C.

3,000 Federal Employees [1,500 Scientists & Engineers]

1,000 On-site contractors

130-acre Campus 116 Buildings

Subject Focus

Physics, Chemistry, Electronics, Space Sciences

Other Locations

NRL - Stennis, MS

NRL - Monterey, CA

Parent Organization

Office of Naval Research, Arlington, VA

Our Vision

In an increasingly digital environment, the Ruth H. Hooker Research Library will enable the NRL and ONR research community to meet its information needs conveniently, consistently, and cost-effectively, anywhere and at any time.

History of the NRL Digital Library

- 1989 Prototype Research Reports Imaging System
- 1992 InfoNet Campus-wide Information System
- 1993 STILAS -- Third-generation Library Catalog
- 1995 TORPEDO for APS journals and NRL reports
- 1996 Web access to catalog, databases. TORPEDO
Contents-to-Go e-mail alerts introduced
- 1997 Science Citation Index mounted locally
All InfoNet resources migrated to Web
- 2000 TORPEDO upgraded to TORPEDO *Ultra*

InfoWeb's Role

- InfoWeb is the Library's "public" face
- InfoWeb provides NRL with desktop access to digital services and enhanced user support
- InfoWeb encompasses, cuts across, supplements, and advances all traditional library service areas

<http://infoweb.nrl.navy.mil>

TORPEDO *Ultra*'s Role

- Researchers benefit from  through
 - Local access and high speed connectivity
 - A single search/browse interface for all materials
 - Integrated information from associations, commercial publishers, and government
 - Alternative access to TORPEDO contents using traditional library search tools (library catalog, local databases)
 - Ensured permanent access to a locally maintained archive
 - Local control and customization to meet specialized requirements

ISI Web of Science's Role

- Licensed Science Citation Index 1945-present
- Recently added Social Science Citation Index and Proceedings
- Links to full text locally or on web sites

Future Plans

- InfoWeb redesign
- TORPEDO Ultra v.2
- Master Journal Database
- Infrastructure overhaul
- Classified Digital Library

InfoWeb

- Create dynamic web site
- Increase links to full content
- Increase/expand eJournal and eBook content

Ruth H. Hooker Research Library



- Search
- Site Map
- Home
- Contact Us

About the Library

- Collections Available
- General Information
- Library Directory - Contact Information
- Library History
- Library Sections

Ask a Librarian

Browse by Subject

Library Catalog

Library Forms

Library Services

- Circulation
- InfoWeb Travel
- Interlibrary Loan (ILL)
- Reference Services Collection
- New Book Listserv
- NEWS@Library Listserv
- Photocopies
- Publications Ordering Service
- Research Reports

Online Databases

Online Journals

Online References

Staff

What's New



About the Library

Collections Available

- [General Information](#)
- [Library Directory - Contact Information](#)
- [Library History](#)

Library Sections - Various Library Sections Available.

The Research Library supports the research program of the Naval Research Laboratory by developing and maintaining an extensive collection of books, journals and technical reports. The research collection focuses on atmospheric science, biotechnology, chemistry, computer science, electrical and electronic engineering, electronic warfare, information technology, management, materials science, mathematics, oceanographic science, physics, radar, radiation science, remote sensing, and space science.



This research collection contains over 35,000 circulating and reference books, 1200 current journal subscriptions, and 60,000 bound journal volumes. In addition the Research Library has over a million technical reports stored as digital images, paper copy, and microfiche.

TORPEDO *Ultra* v.2

- Develop new, dynamic interface with more robust back-end
- Facilitate addition of hundreds of new titles
- Provide citation linking

TORPEDO

Ultra
Digital Library Initiative

Search

[Collections] [Journals]

Title:

Volume:

Author(s):

Issue:

Full Text:

Search

This section All of Torpedo

Browse

[Collections] [Journals]

Alphabetically

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

By Subject

- Arts and Humanities (0)
- Astronomy and Space Sciences (4)
- Atmospheric Sciences and Meteorology (6)
- Business, Education, and Law (3)
- Chemistry (65)
 - Biochemistry (16)
 - General (44)
 - Physical, Theoretical and Computational (20)
 - Polymers (4)
- Computer and Information Science (30)
- Earth Sciences and Environment (26)
- Engineering (75)
 - Electrical and Electronic Engineering (10)
 - Other Engineering (71)
- Life Sciences (19)
 - Agriculture and Animal Sciences (4)
 - Biological Sciences (15)
- Materials Science (42)
- Mathematical Sciences (19)
- Medicine and Health (7)
- Multidisciplinary Science (5)
- Oceanography (9)
- Physics (123)
 - Biophysics and Chemical Physics (26)
 - Condensed Matter (13)
 - General and Applied (60)
 - Instruments and Instrumentation (19)
 - Mathematical and Computational (6)
 - Mechanics, Fluid Mechanics and Statistical Mechanics (19)
 - Nuclear, Atomic and Molecular (16)
 - Plasma and Solar (4)
 - Waves Including Light and Sound (11)
- Psychology and Social Sciences (2)

Master Journal Database

- Merges six separately and manually-maintained lists
 - Currently subscribed journals
 - All journals held in library
 - Journals with TOCs available (Contents-to-Go)
 - Journals in TORPEDO *Ultra*
 - Journals with full content on web sites
 - Journals cancelled over last several years

MJDB TEST - Netscape

File Edit View Go Communicator Help

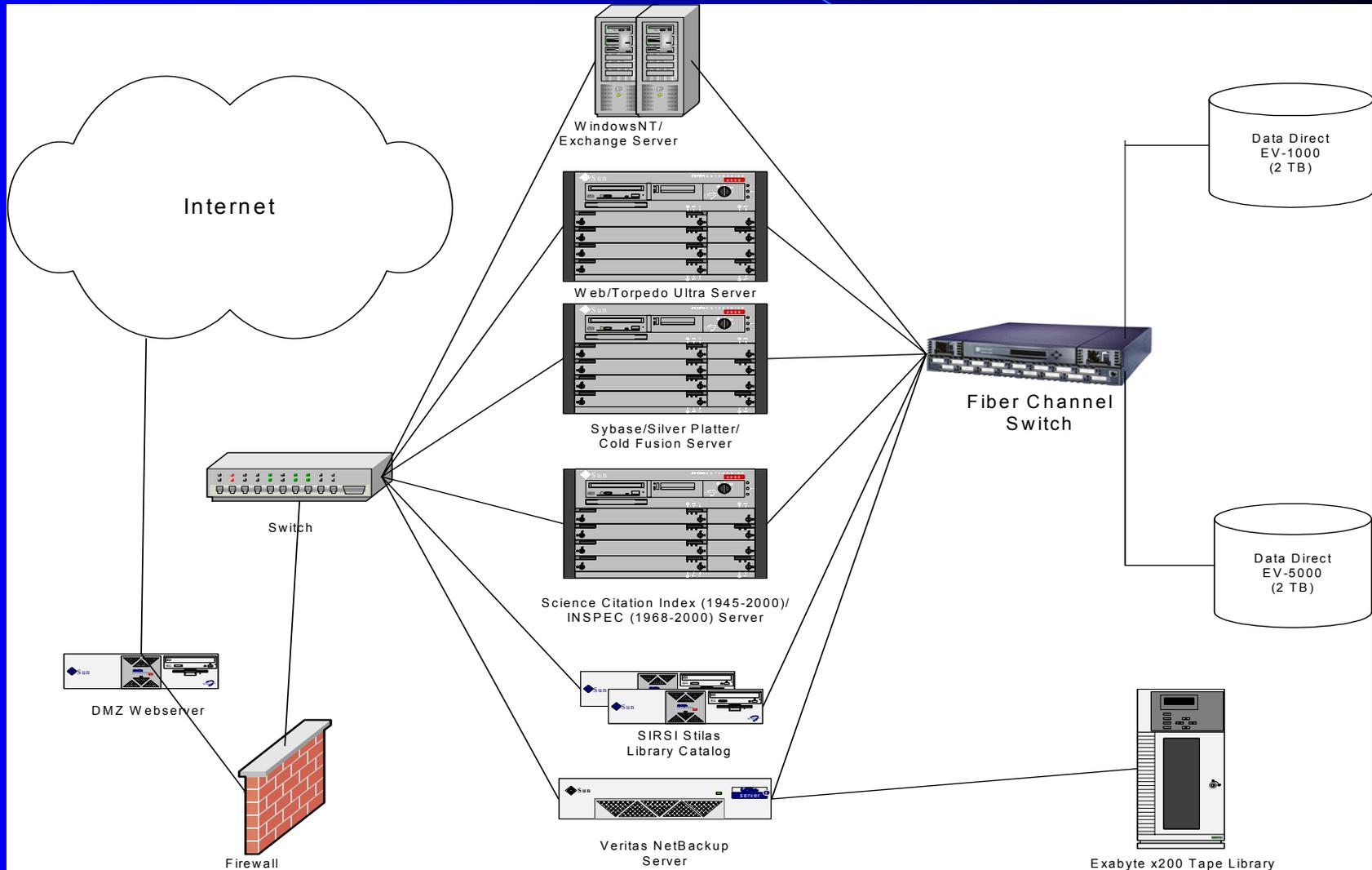
ABCDEFGHIJKLMNOPQRSTUVWXYZ

M O. Metalloberfläche	[admin]
Available in:	
MST Materials Science and Technology A Publication of the Institute of Metals	[admin]
Available in:	
MacUser	[admin]
Summary Holdings:	V. 3 (1987) --
ISSN:	0884-0997
Available in:	Contents To Go
MacWEEK	[admin]
Available in:	
MacWorld	[admin]
Summary Holdings:	1-year retained
ISSN:	0741-8647
Available in:	Contents To Go
Machine Learning	[admin]
Available in:	Contents To Go
Machine Translation	[admin]
Available in:	Contents To Go

Document: Done



Digital Library Infrastructure



Classified Digital Library

- Future Services
 - STAR Web Catalog
 - Full content links to digital reports
 - Classified “InfoWeb”
 - Locally mounted databases
 - Subject guide to classified Web sites

For More Information...

NRL Library Home Page

<http://infoweb.nrl.navy.mil>

NRL Web Planning Document

<http://infoweb.nrl.navy.mil/~jamesk/Webplan.html>

NRL Library Staff Bibliography

<http://infoweb.nrl.navy.mil/services/IV2000/LibBib.html>

