



# Preserving Legacy Documents @ the Naval Research Laboratory

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# Outline

- About NRL
- About the NRL Digital Library
- NRL DL Preservation Efforts
  - Unclassified System (the Web)
  - Classified System (SIPRNet)
- Future Digital Library Plans



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NRL Library: Innovation for  
Research

# 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

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# Library Highlights

- Chief Librarian awarded Meritorious Civilian Service Award for Digital Library efforts (December 2001)
- NRL Technology Transfer Invention Award for TORPEDO *Ultra* integrated access to STI
- Journal Subscriptions Manager named 1999 Federal Library Technician of the Year
- NRL Library named as technical review board for \$5 M Mathematical Digital Library project sponsored by ONR



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# NRL Library Vision

*We will be the best and preferred provider of scientific and technical information for the Naval research community.*



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# History of the NRL Digital Library

- 1989 Prototype Research Reports Imaging System
- 1992 InfoNet Campus-wide Information System
- 1994 Library Web site created
- 1995 TORPEDO introduced
- 1996 Contents-to-Go e-mail alerts introduced
- 1997 All InfoNet resources migrated to Web
- 2001 TORPEDO *Ultra* v.2 and InfoWeb v.2 beta



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# Parts of NRL Digital Library

- **Unclassified:**

- InfoWeb web site
- TORPEDO *Ultra*
- ISI Web of Science
- Master Journal Database / Sirsi Unicorn

- **Classified:**

- Classified web site
- Cuadra STAR



# TORPEDO *Ultra* v.2

Integrated Browse  
and Search

Database-driven  
interface

IP authentication  
down to the issue

Add ability to load  
thousands of titles

Integrated citation  
linking



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A screenshot of the TORPEDO Ultra v.2 web interface displayed in a Microsoft Internet Explorer browser window. The browser title bar reads "Torpedo Ultra 2.0.13 - Microsoft Internet Explorer". The interface includes a navigation menu with links for Home, About, Requirements, Feedback, Statistics, Restrictions, and Help. The main content area is divided into two sections: "Search" and "Browse". The "Search" section has a "Select search area:" dropdown with options for "Everything" (selected), "Selected Items", and "The Browse Section". Below this are input fields for "Doc. Title:", "Author(s):", and "Full Text:". A "Pub. Date:" section includes "from:" and "to:" dropdowns with date pickers (Jan 1 1944 and Dec 31 2002). There are "Search" and "Clear" buttons, and a link for "[Advanced Options]". The "Browse" section has a "[Collections]" link and a list of categories: "Journals (533)", "Press Releases", "Reprints", and "Technical Reports". On the right side, there is a "Welcome" message and an "Announcements" section with two entries: "10/1/01: TORPEDO Ultra beta release" and "12/17/01: TORPEDO Ultra production release". At the bottom left, there is a "Security Notice" link, and at the bottom right, there is an "Admin" link.

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# Sources of TORPEDO *Ultra* Content

- Agency publications
  - NRL tech reports and press releases
- Data licensed from publishers
  - Journals
  - Conference proceedings
  - Standards
- In-house digitizing projects
  - Cooperative efforts with AIP, APS, OSA



# Classified Digital Library

- Currently based upon aging Document Imaging software
- Migrating to NAS with links in classified library catalog
- Migrating scanned images from TIFF to wrapped PDF



# Future... NRL Digital Library

- Personalization / authentication
- Explore XML delivery of content
- Add older content to TORPEDO
- Further integrate web applications



# Future... Classified Digital Library

- Cuadra STAR-based Web Catalog
  - Integrate with PKI infrastructure
  - Load full DTIC catalog into STAR
  - Switch DTIC microfilm feed to digital tapes
  - Provide full content links to digital reports
- Classified “InfoWeb”
  - Locally mounted databases
  - Topic-based guides to classified content (*web sites, reports, etc.*)



# For More Information...

## **NRL Library Home Page**

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

## **TORPEDO *Ultra* v.2**

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

## **NRL Library Staff Bibliography**

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



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