



# NEMO Newsletter

Quarterly Journal of the North East Map Organization

NUMBER 57

*20th Annual Meeting Issue*

April 2006

## A Rising Tide

Welcome to the North East Map Organization! Some of you who are reading this are thinking “*what the...? I’ve been a member of NEMO since...*” Still, welcome again! This organization greatly benefits from you seasoned crew members. For those first encountering this map organization, we hope that you’ll want to stay aboard. The North East Map Organization (NEMO) is for people who are crazy about maps (and charts): old, new, paper, electronic, making them, using them (for directions or whatever). We are “dedicated to serving as a unifying body for all who use, produce, collect, and market maps and cartographic information in the Northeast; increasing communication between all interested in maps; and working with state, regional, and national organizations and government agencies in dissemination of maps

VT, but also includes membership in CO, CA, IL, VA, and Ont, Qué, and Europe”

On June 8 and 9 we will have a party at the University of New Hampshire. Academic types might prefer we use the formal title The North East Map Organization Annual Meeting. It will include a map cataloging workshop, and sessions on map topics, a cash bar reception, dinner and a breakfast. If you have already attended a NEMO annual meeting you know that it is a lot of down to earth people having a REALLY good time with a common interest.

Catch the rising tide. See you at the party

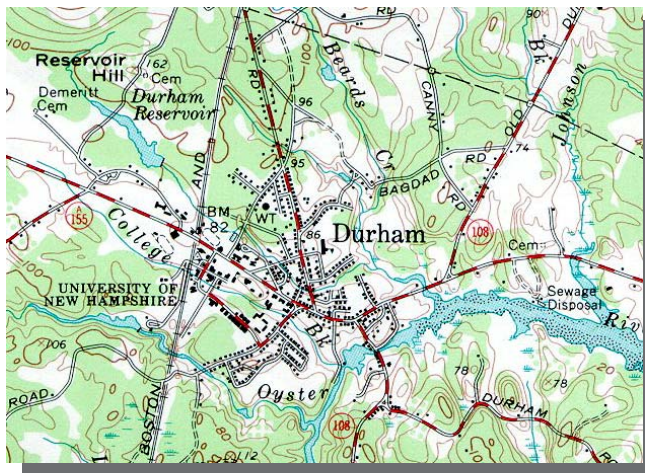
Paige Gibbs  
*Captain NEMO*



UNIVERSITY of NEW HAMPSHIRE

20th Annual NEMO Meeting  
University of New Hampshire, Durham  
June 8-9, 2006

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For updated meeting information, visit the NEMO website.

Don't forget to bring maps and books for the *MAP SWAP!*

**20 YEARS!**



Hello from Ella

and cartographic information. NEMO's principal region is CT, DE, ME, MA, NH, NJ, NY, PA, RI,



## North East Map Organization 20th Annual Meeting

June 8-9, 2006  
University of New Hampshire  
Durham, NH

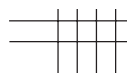
**N**orth East Map Organization (NEMO) promotes communication among anyone interested in maps. NEMO's main area of geographical emphasis includes Connecticut, Delaware, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island and Vermont.

This year our meeting features:

**For Librarians** – a workshop providing enhanced map cataloging skills. Will also be of interest to anyone wanting to know how maps are included in online catalogs

**For teachers, transportation specialists, historians, genealogists, and anyone interested in cultural and physical changes** – a session featuring Digitized Historical Topographic Maps

**For everyone** – additional presentations, opportunities to meet and share with other map specialists and enthusiasts, as well as a dinner and social, and a field trip.



### Preliminary Schedule

Meetings in **Holloway Commons-Squamscott Hall**

#### Thursday June 8

##### Noon – Registration

1:00-4:00 p.m. *Map Cataloging Workshop*

**Nancy Kandoian**, Map librarian, New York Public Library, **Paige Andrew**, Map Librarian, Pennsylvania State University, **David J. Bertuca**, Map Librarian, State University of New York Buffalo

4:00-5:30 p.m. **Map Swap**

5:30 Reception, Cash Bar

6:30 Dinner: Presentation: *Ocean Mapping*, **Larry Mayer**, Director of UNH's **Center For Coastal and Ocean Mapping**.

#### Friday June 9

8:00 a.m. **Continental Breakfast**

8:30 a.m. **NEMO Annual Meeting**

9:30 a.m. **Digitized Historical Topographic Maps**  
**Whitley Frost** of Harvard University, **Sarah Mindel** of UConn, and **Thelma Thompson** of UNH will present and discuss current digitized map projects and suggest how they may be used in educational settings.

**Lunch break** (not included in registration fee)

Friday afternoon **Field Trip: Ocean Mapping Facility** (UNH).

## Nominations Sought For Two Offices: Captain-Elect and Secretary

At the 2006 NEMO annual business meeting we will be voting for **Captain-elect** (Captaincy to commence at the annual meeting of 2007) and **Secretary**.

Paige Gibbs will not be accepting a nomination to continue in this office [which she has already run so well for two consecutive terms].

The **Captain-Elect** term is for one year. At the conclusion of the year, at the NEMO annual meeting, the Captain-Elect begins a one year term as **Captain**.

The Captain-Elect's responsibility is, working with an ad hoc planning committee, to plan and host the next NEMO annual meeting.

The **Secretary** term is for two years. The responsibility is minimal—the secretary takes minutes at the annual business meeting.



### Map Cataloging Workshop Leads the 20th Annual Meeting

**T**he annual meeting program includes a basic **MAP CATALOGING** workshop on Thursday afternoon. Instructors include: **Paige Andrew** Penn State University, **David J. Bertuca** University at Buffalo, and **Nancy Kandoian** New York Public Library. NEMO's traditional **Map Swap** will follow. Then join us for dinner together with **Larry Mayer**, Director of UNH's **Center For Coastal and Ocean Mapping**.

Following the annual business meeting, will be the Friday morning panel on **Digitized Historical Topographic Maps**. The panel will include: **Whitley Frost** of Harvard University, **Sarah Mindel** of UConn, and **Thelma Thompson** of UNH.

On Friday afternoon, we will visit UNH's **Ocean Mapping** facility in the Chase Ocean Engineering Building at UNH. This program, operated jointly by UNH and NOAA, is devoted to development of state-of-the-art techniques in hydrography and related disciplines.

#### Current Officers (2005-2006)

Captain	Paige Gibbs	pgibbs@UMassD.Edu
Capt.-Elect	Paige Gibbs	pgibbs@UMassD.Edu
Secretary	Thelma Thompson	thelmat@cisunix.unh.edu
Treasurer	Heather Hoffman	jaquith@thecia.net

## Getting To and From UNH by Airport and Transit

Complete view of all choices:

<http://www.unh.edu/transportation/visitor/unhbytransit.htm>

The University of New Hampshire is located between three major airports and three major New England cities providing numerous transportation options. UNH campus and downtown Durham are all within a 10-minute walk of each other.

### By Car -- Driving Directions to UNH - Durham

#### UNH is located off NH Route 4

**From I-95 South (Maine),** take Exit 5 (in NH) to the Spaulding Turnpike (Route 16N), then take Exit 6W (Route 4 West) towards Durham to the Exit for Route 155A. Follow direction to the Visitor Information Center.

**From I-95 North (Mass.),** take Exit 4 (in NH) (left hand exit) to the Spaulding Turnpike (Route 16N), then take Exit 6W (Route 4 West) towards Durham to the Exit for Route 155A. Follow direction to the Visitor Information Center.

**From the West,** take route 101 East to Exit 7 (Route 125 North). Follow Route 125 North to the traffic circle. Take Route 4 East to the Durham Exit (2 miles)(Route 155A). Follow directions to the Visitor Information Center.

#### Directions to the Visitor Information Center

**From Route 4 West** take the exit for Route 155A. At the bottom of the ramp take a left. Follow Main Street approximately 3/4 mile. Take the second left on to Loop Road. At the end of Loop Road take a right. The Visitor Information Center is the second building on your left (white with green trim).

**From Route 4 East** take the exit for Route 155A. At the bottom of the ramp take a right. Follow Main Street approximately 3/4 mile. Take the second left on to Loop Road. At the end of Loop Road take a right. The Visitor Information Center is the second building on your left (white with green trim).

**Park in the Visitor Lot**--this is the metered parking lot. You may pay the meter by the hour or come inside and purchase a Visitor Parking day pass.

### Air/Rail/Bus Connections

Private and Public Transportation providers offer numerous options to Durham.

**Amtrak Downeaster:** Four roundtrips daily between Boston and Portland. Train leaves from Boston (North Station) and arrives in the heart of campus at the Rail Station/Dairy Bar on Main Street.

**C&J Trailways:** Offers Friday-Sunday seasonal service between downtown Boston (North Station) and Durham as well as year-round daily service between Logan Airport/Downtown Boston (South Station) to Portsmouth and Dover. Connect to Durham from The Dover Transportation Center using Wildcat Transit Route 3.

**Mermaid Transportation:** Offers on-call service from Logan and Manchester airports to campus.

**Hampton Shuttle:** Offers scheduled and on-call service from Logan and Manchester airports to campus and the New England Center.

**Vermont Transit (Greyhound):** Offers scheduled service between downtown Boston (South Station) and downtown Portsmouth (Market Square). Connect to Durham from Market Square using Wildcat Transit Route 4.

### Airport Connections

**Boston Logan Airport (BOS)**--60 miles from UNH.

\***Hampton Shuttle:** Direct service Logan to Durham.

\***Mermaid Transportation:** Direct service Logan to Durham.

\***Amtrak Downeaster:** Direct service to Durham via Woburn Transportation Center using Logan Express bus from terminals to Woburn.

\***CJ Trailways:** Service to Dover or Portsmouth (Pease) or connect using MBTA Silver Line to South Station for additional CJ Trailways service to Durham (Fri-Sunday).

**Portland International Jetport (PWM)**--50 miles from UNH

\***Amtrak Downeaster:** Direct service to Durham via 5 minute taxi or Portland Explorer connection from the PWM to the train station.

\***Mermaid Transportation:** Direct service Portland to Durham.

**Manchester International Airport (MHT)**--50 miles from UNH

\***Hampton Shuttle:** Direct service Manchester to Durham.

\***Mermaid Transportation:** Direct service Manchester to Durham.



# NEMO Meeting

20th Annual Meeting of the North East Map Organization  
University of New Hampshire, Durham, NH

REGISTRATION FORM

June 8-9, 2006

e-mail registrations accepted (send check or bring to meeting)

Name:	_____
Address:	_____
	_____
City, ST zip:	_____
Telephone:	_____ e-mail: _____

If you have any questions, contact Paige Gibbs  
Telephone: 508-999-8886 / e-mail: [pgibbs@umassd.edu](mailto:pgibbs@umassd.edu)

## Registration fee \$120 single \$160 couple

(includes \$15 NEMO membership, Thursday Dinner Event, and Friday Breakfast)  
You must register by May 20, 2006: no walk-ins for full meeting

**Instead of the Full Meeting you may choose Individual event registration**  
(walk-in session registrations allowed; both include \$15 NEMO membership):

- Map Cataloging Workshop Thursday, June 8: \$60  
 Technical Sessions Friday, June 9: \$45

Lodging - On-campus reservations for Thursday night only  
(check requirement below and add to registration fee)

Single (\$50)  Double (\$80)

I need to park a car on  Thursday  Friday Parking is Free.

Mail form with check (payable to: NEMO or North  
East Map Organization) by May 20, 2006 to:

If you e-mail your  
registration, please  
bring this form to  
the meeting with  
your payment.

Paige Gibbs  
Library  
University of Massachusetts Dartmouth  
285 Old Westport Road  
Dartmouth, MA 02747

e-mail: [pgibbs@umassd.edu](mailto:pgibbs@umassd.edu)

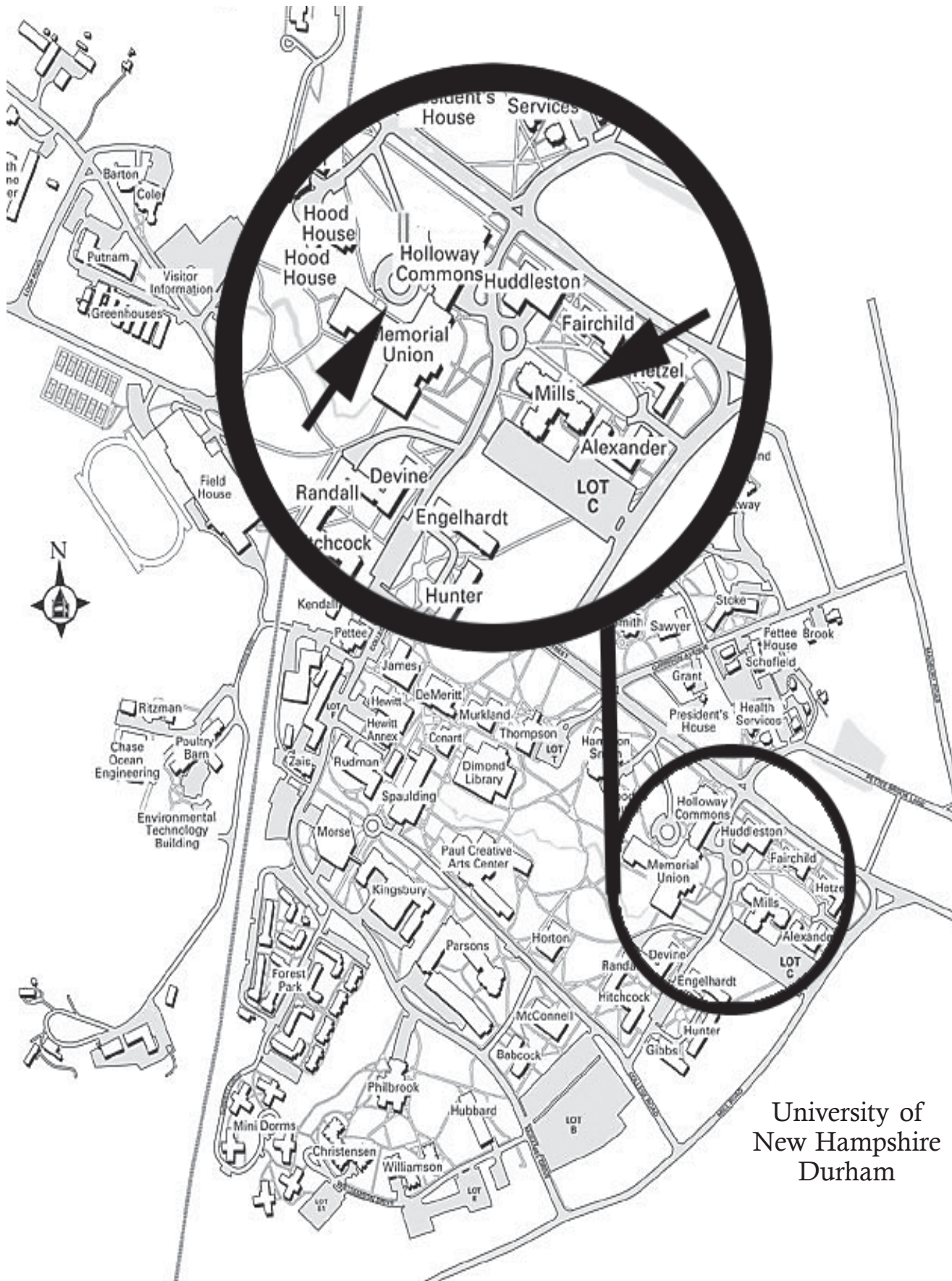
Registration: _____
Lodging: _____
Total: \$ _____

\*If you do not plan to attend the meeting, send \$15 for  
annual NEMO dues. Fill out the name/address portion above  
and check box to the right.

Check here if you are renewing  
Membership Only!

# NEMO 2006

Meeting Site: Holloway Commons-Squamscott  
Residence Lodging: Mills Hall



University of  
New Hampshire  
Durham



## Innovative Maps Chart a Course into Unknown Regions of Science at The New York Public Library

### Places & Spaces: Mapping Science

April 4 - August 31, 2006

### Science, Industry & Business Library DNA, Patents, Anthrax, and Other Major Scientific Research and Discoveries are Mapped in Exhibition

An exhibition opening April 4 at The New York Public Library focuses on innovative methods of using maps and globes to convey and explain complex scientific developments. Geographic maps of physical places have guided mankind's exploration for centuries, drawing a line between the known and unknown. The maps in *Places & Spaces: Mapping Science* chart abstract concepts in and across a variety of scientific disciplines using information and metadata (data about data) from journals, publications, and public dialogue as landmarks and guideposts. In a manner similar to the maps that explorers used, these new kinds of maps track the emergence, evolution, and disappearance of topics to help identify the most promising areas of research. *Places & Spaces: Mapping Science* features twenty maps, a series of globes by Ingo Günther, and interactive illuminated diagrams by W. Bradford Paley. The exhibit is on view at The New York Public Library's Science, Industry and Business Library at 34th Street at Madison through August 31, 2006. Free Admission.

Expanding the concept of mapping geographic places, *Places & Spaces* traces the development of science by following the path of research in individual disciplines and science as a whole. Each map is based on information taken from an aggregate of published works and by looking at patterns and trends that emerge from examining a breadth of publications and citations. Curated by Dr. Katy Börner, School of Library and Information Science, Indiana University, Bloomington, and Deborah MacPherson, with the Vienna, Virginia-based, nonprofit organization Accuracy&Aesthetics, the exhibit includes high resolution digital prints of maps from the 15th, 17th, 18th, and 19th centuries, but consists mostly of original maps of science created for this exhibition. John Ganley, Assistant Director for Collections, Science, Industry and Business Library, The New York Public Library, is the exhibition adviser.

#### Scientific Information Mapped in the Exhibition

*Places & Spaces* illustrates in detail how science is embedded in our lives. What does a timeline of 60 years of **anthrax research** literature tell the viewer? Dr. Steven A. Morris's 2005 map of research papers on the topic shows the increase of new anthrax studies in late 2001, when the research community responded to the bioterror attacks of that year. **Wikipedia's entry on "evolution"** has changed in many minor and major ways, as the visualization of the dictionary entry by Dr. Martin Wattenberg and Dr. Fernanda B. Viégas shows. Eugene Garfield's *HistCite Visualization of DNA Development* is a colored map revealing citation patterns within major core papers on DNA, in which the viewer can find groundbreaking scientific writings such as Gregor Mendel's 1865 paper, the 1953 Watson-Crick work on the structure of DNA, and many others.

The first set of maps in the exhibition compares and contrasts early maps of the entire planet (starting from Ptolemy's *Cosmographia* in 1482) with some of the first maps documenting science (the earliest being from 1996). The exhibition shows that each type of map is limited by information available at the map's creation and therefore incomplete and possibly obsolete with today's knowledge. Although scientists are aware that it is impossible to map science completely and with total accuracy, partial maps help researchers navigate vast quantities of scholarly knowledge. Additional maps in this section include Charles Joseph Minard's **19th-century map of Napoleon's March to Moscow**; Dr. André Skupin's **geographic 2005 visualization of New Orleans**, derived from more than 22,000 abstracts submitted to the Annual Meetings of the Association of American Geographers from 1993-2002; and Dr. Marc Smith's *Treemap View of 2004 Usenet Returnees*, **depicting the activity of 257,442,374 Internet postings contained in 189,144 electronic newsgroups** from 2004.

The second set of maps aims to inspire discussion on developing a common reference system for all of science to improve national standards for the storage, access, management, and communication of scholarly knowledge and expertise. It contrasts existing reference systems from different areas of science, such as the electromagnetic spectrum and the periodic table of elements, with potential methods of organizing and conveying the structure and evolution of current scientific knowledge. An example of a map using an existing reference system is Roger W. Sinnott and Interactive Factory's *Sky Chart of New York City in April 2006*, a printed still of an Interactive Sky Chart from *Sky & Telescope* magazine that simulates the view from above New York City in April 2006. Highlights from the potential reference systems include Ingo Günther's Worldprocessor-globe **plotting the total number of patents granted worldwide**, beginning in 1883 with just under 50,000 and continuing to 2002 in a rapid climb toward 1 million; W. Bradford Paley's **visualization of the book *The History of Science***, of which he makes a map, using time lines of the physical and life sciences; and illustrator Murray Robinson and chemist John Emsley's *Visual Elements Periodic Table*, commissioned by the Royal Society of Chemistry in the United Kingdom.

See the full press release, and link to the online exhibition:

<http://www.nypl.org/research/calendar/exhib/sibl/uelistsibl.cfm>



### Dr. Walter W. Ristow

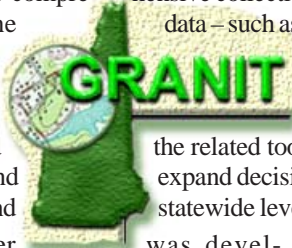
It is with sadness that I note the passing of Dr. Walter W. Ristow on April 3, 2006. Dr. Ristow, former chief of the Geography and Map Division of the Library of Congress (1968-1978) and on staff from the late 40s, is well known in the field of map librarianship, the history of cartography, and map collecting. He is known for his broad research and publishing in the field, in the move to the development of machine readable cataloging of cartographic objects in the Geography and Map Division, and his extensive participation in professional organizations both in the United States and abroad. A few years after his retirement from the Library of Congress, a special fund was established in his name, the Walter W. Ristow Fund, which intends to support research and writing about the cartographic collections of the Library of Congress. He was 97 years old, only a few days short of turning 98.--Dr. John R. Hébert Chief, Geography and Map Division, Library of Congress

## Statewide Geographic Database Launches New Online Mapping Tool

Contact: David Sims = 603-862-5369  
Institute for the Study of Earth, Oceans, and Space  
March 31, 2006 (DURHAM, N.H.)

The New Hampshire Geographically Referenced Analysis and Information Transfer System (NH GRANIT) has launched a new mapping tool that makes the statewide geographic database available over the web.

The NH GRANIT Data Mapper offers New Hampshire communities, agencies and organizations, and the general public access to the system's comprehensive collection of archived geospatial data. The data – such as town boundaries, lakes and ponds, roads, wetlands, conservation lands, aerial imagery – and the related tools are designed to inform and expand decision-making at the local, regional, and statewide levels.



The Data Mapper was developed by NH GRANIT staff at the University of New Hampshire's Complex Systems Research Center (CSRC), in collaboration with the UNH Research Computing Center. The primary objective of the site is to support communities by providing maps and analyses typically incorporated in community master plans. It will also assist local land use boards, including planning boards and conservation commissions, who need access to mapped information in order to respond to the issues and challenges they confront.

According to Fay Rubin, NH GRANIT manager, "This tool offers a significant technical resource to the many rural communities in the state with either a small planning staff or none at all. It also offers a valuable resource to larger communities by providing the capacity to view and query data at a multi-community or regional level."

For example, Rubin says, a typical community inquiry might be, "Are there important water resources in close proximity to a proposed, large development site?" With a color aerial photograph as a reference, a user could zoom into the target area and map lakes and ponds, rivers, wetlands, poorly drained soils, and stratified drift aquifers to assess what resources might be impacted by the proposed development. He or she could also view topographic data to determine how the proposed site is situated on the landscape relative to those resources. Additionally, the user could download a report describing the characteristics of the features that are displayed.

The geographic data sets are organized into functional "themes" corresponding to standard maps used in community planning. Four themes are currently available for viewing, including a Base Map, Transportation, Water Resources, and Land Conservation.

In an ongoing effort, the data sets and tools provided in the existing themes will be continually updated and enhanced. For example, as new road data sets and related transportation layers become available, they will be incorporated in the online maps. In the coming year, NH GRANIT also plans to add a number of new themes, one of them being Flood Insurance Rate Maps.

As public interest in Internet mapping sites continues to increase, GRANIT staff expects a growing audience of users to visit the site and explore the available data sets and tools. For example, a property-owner may want to zoom into an area of interest – the town or watershed they live in – and display an aerial photograph, locate protected lands near their home, determine what types of wetlands are in their community, and print out a map of the results.

"We are grateful to the New Hampshire GIS Conservation Collaborative for supporting the development of the Data Mapper, and we're excited to be able to offer this important new tool to our constituents in the state," Rubin notes. "We know there is a great need for this kind of capability, not only for community planning efforts but also to support a wide range of geographically-based inquiries, many of which we cannot anticipate. We encourage users to send us feedback on how they're applying the tool and what additional capabilities they would find useful."

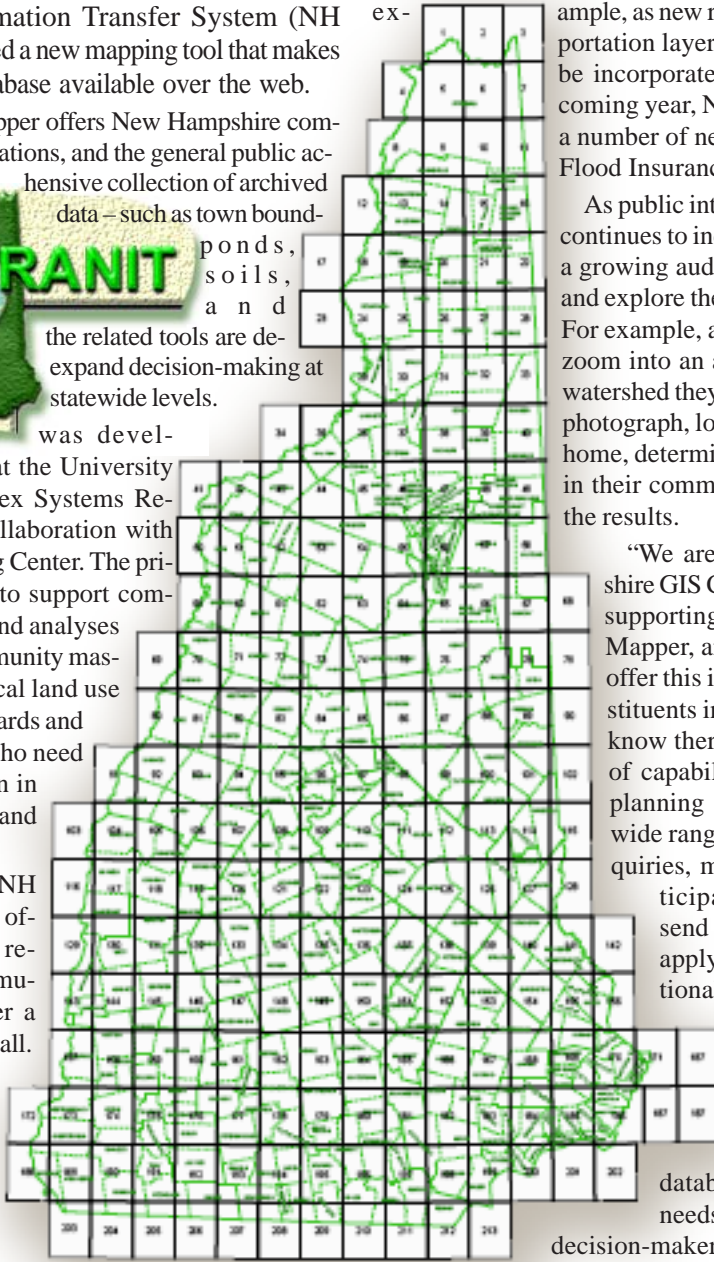
NH GRANIT is a cooperative project to create, maintain, and make available a statewide geographic database serving the information needs of state, regional, and local decision-makers. A collaborative effort between UNH and the NH Office of Energy and Planning, the core NH GRANIT System is housed at the CSRC within the Institute for the Study of Earth, Oceans, and Space (EOS) in Durham.

To use the new GRANIT tool and learn more, visit

<http://mapper.granit.unh.edu>

For further information about GRANIT, visit

<http://www.granit.sr.unh.edu>







## NEMO SURVEY RESULTS

We expect to publish our findings soon. *You are still welcome to submit the survey.* It's short and concise. Please give us your thoughts. The NEMO Survey is available online:

<http://www.NorthEastMap.org>

click on "Survey" and let us know what you are thinking!



## LOOKING AHEAD TO A NEW WORLD WITH NEMO

## The NEMO Newsletter

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Number 57

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We welcome contributions and suggestions. Please submit materials to the editor using e-mail, 3.5" disk (PC or Mac (Word, RTF, or ASCII, tif, jpg)) CD-ROM, or by sending a typewritten document. Submissions and questions on submissions should be directed to:

Editor: **David J. Bertuca**, Map Librarian  
Science & Engineering Library  
225 Capen Hall  
University at Buffalo  
BUFFALO NY 14260-1672

phone: 716-645-2947 x229  
fax: 716-645-3710

[dbertuca@buffalo.edu](mailto:dbertuca@buffalo.edu)

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**NEMO Membership** is \$15 per year. Membership year runs June-May and *NEMO Newsletter* subscriptions are included with membership. Back issues for the current year are included with new memberships. To join, send a check for \$15 payable to **North East Map Organization** to:

**Eric Riback**  
National Geographic Maps  
P.O. Box 4357  
Evergreen, CO 80437  
phone: 800-962-1643 x123  
fax: 509-461-4285

email: [nemo@mapville.com](mailto:nemo@mapville.com)

North East Map Organization  
c/o David J. Bertuca, Map Librarian  
Arts & Sciences Libraries  
225 Capen Hall  
University at Buffalo  
BUFFALO NY 14260-1672

*First Class Mail*  
Return address requested

