



# NEMO Newsletter

Quarterly Journal of the North East Map Organization

NUMBER 58

20th Annual Meeting Report Issue August 2006

## A Clear Course

We enjoyed the best attendance in recent times at the NEMO 2006 Annual Meeting at the University of New Hampshire on June 8-9, 2006.

The Cataloging Workshop was enthusiastically received. A big thanks to Paige Andrew, David Bertuca and Nancy Kandoian for their lucid, helpful leadership and information in this workshop.

A NEMO member asked if some of the attendees could spare some time during the map swap to critique a paper the member was preparing for a conference shortly after NEMO. Everybody turned up and lent comments and suggestions. The session seemed to be enjoyed by the author too.

Larry Mayer guided us through the concepts of ocean mapping after dinner on Thursday and followed that up with a tour of his laboratories on Friday afternoon. Three dimensional modeling, receiving signals from a whale and watching a yacht leaving port in the Mediterranean (real time camera feed) only begin to describe the wonders at the facility.

We had a NEMO first, a panel presentation including a teleconferencer--from Madison Wisconsin. Anne Graham coordinated this excellent session about digitizing topographic maps.

At the annual business meeting Cynthia Dietz (map librarian at SUNY Stony Brook) volunteered to be nominated as Capt'n—Elect and she was so unanimously elected.

The location and date (either the first or the second Thursday and Friday in June) of next year's conference remain to be determined. I am very grateful to Jim Walsh for his investigating the possibility of meeting at his company conference site in Chester Vermont.

*Keep your charts and maps handy and enjoy the cruise.*

Paige Gibbs  
*Captain NEMO*



## NEMO SURVEY RESULTS

The survey results and a summary of the results begins on page 5. Please take a look and let us know what you think. *You are still welcome to submit the survey, or to submit comments, thoughts, or to volunteer.*

The NEMO Survey is still available online:

<http://www.North-EastMap.org>

To locate the survey, click on "Newsletter" then "issue 56" and let us know what you are thinking! Woof!



Hello from Ella

## North East Map Organization Annual Meeting, June 9, 2006

University of New Hampshire, Durham, NH

The annual business meeting was called to order by Captain Paige Gibbs at 8:35 a.m.

### Minutes:

Minutes were approved as previously published.

### Treasurer's Report:

The treasurer's report was based on estimates of registration and dues received at this meeting and payment of the final costs of the meeting. Including the generous \$500 contribution from Columbia Press, the Treasurer reports that the balance will be approximately \$2,300.

### Captain's report:

Paige noted that future meeting planning will need to take into account the fact that it is becoming more common for host institutions to require considerable funds in advance.

Paige commented on the success of the meeting and thanked David Bertuca for his assistance with setting up the online registration. Serving two consecutive terms, Paige will also be presiding at next year's meeting.

This year we seem to have gotten the word out to some people who did not previously know about NEMO and we need to continue to identify additional means to reach potential new members.

### Election of Officers:

There being no other nominations, Thelma Thompson agreed to serve another term as Secretary.

Paige, having indicated she was unwilling to serve another term as Captain-Elect (AKA First Mate), Cynthia Dietz volunteered and was elected. As Captain-Elect she will plan the 2007 meeting.

### Old Business:

#### *20<sup>th</sup> Anniversary Recognition—*

Paige noted that this year's attendees, Jim Walsh, Dick Gelpke and Mark Jaquith, were present at the founding of NEMO twenty years ago at the University of Connecticut. The official archives are held at the University of Connecticut and there is an online guide to their contents.

Long-time members were encouraged to submit more informal accounts of the early days of NEMO for publication in the newsletter. David Bertuca was commended for his work with the newsletter and the NEMO website. David also created the handsome 20-Year Anniversary map showing the location and host institutions for all meetings. It is a much appreciated recognition of this milestone.

#### *CUAC—*

Thelma Thompson reported on the Cartographic Users Advisory Council meeting in Beltsville, MD on May 4-5, 2006. CUAC members are in the process of finalizing minutes and these minutes will be available later this summer. 12 of the 14 CUAC representatives from the seven member organizations met with personnel from ten agencies. Two other agencies submitted written reports that were conveyed by their CUAC contacts.

Besides the useful exchange of information between CUAC organizations and Federal agencies, the meeting is a valuable means for Federal geographic personnel to communicate with their counterparts in other agencies. Representatives of the Government Printing Office were able to respond to questions about the Federal Depository Library Program and inclusion of specific cartographic products in the FDLDP.

Several other areas of concern were raised at the meeting. One was the cuts in funding that result in agencies discontinuing services or products. The Bureau of Transportation will be taking some information off its web site. The closing of EPA regional libraries began even before the budget cuts were scheduled to take place. The current CUAC Chairs are drafting a letter of concern. Other organizations have already done so. Thelma will share further information with NEMO.

The Bureau of Census is asking for feedback from CUAC organizations or individuals regarding some proposed changes in their geographic products. Specific Census Bureau concerns include:

How should spatial data traditionally provided via TIGER/Line files be made available?

While shapefiles meet the needs of many users, they lack topology. Is this a concern?

Geographic mark up language (GML) is rich but complex. The Census Bureau has been developing capabilities to consider GML as a dissemination format. The Bureau plans to finalize decisions on use of TIGER/GML by 2008.

PDF format for cartography continues to work well for the Census Bureau, but they will provide web mapping options as well. Are paper maps still needed?

Although NEMO took no formal action on these questions, individual members who have specific concerns should contact the CUAC liaison with the Census Bureau, Thelma Thompson.

Nancy Soderberg commented that as a member of one of the agencies represented at the CUAC meeting, she did not see any evidence that CUAC information and concerns were communicated to lower level staff within her agency. Thelma will pass this comment along to CUAC for consideration.

Thelma Thompson agreed (along with Joe Aufmuth of the University of Florida) to serve as Co-Chair of CUAC starting in July. Co-Chairs plan and run the annual meeting, and, throughout the year, if new concerns arise, they consult with CUAC member organizations and act as spokespersons for CUAC. Two agencies have expressed an interest in hosting next year's meeting, the US Geological Survey and the Government Printing Office.

Mark Jaquith indicated that he feels unable to continue as NEMO's second CUAC representative. Anne Graham will serve in his place.

### New Business:

#### *Future of NEMO—*

There was strong support for continuance of annual meetings. The organization will continue to try to identify areas of interest to highlight in meetings and to hold meetings in a variety of locations.

David Bertuca will compile the results of the recent NEMO member survey for the next issue of the newsletter.

The meeting was temporarily suspended for the morning's program and reconvened at about 11:45.

Paige Andrew noted that he has been NEMO representative to the Anglo-American Cataloguing Committee for Cartographic Materials (AACCCM). He is willing to continue in this capacity. AACCCM will be working on significant changes in the next few years.

Cynthia shared some of the ideas that she had for possible meeting themes that would be of interest to libraries, museums, historical societies and the like. Her suggestion of papers on creation and use of digital map indexes was well received. Members can contact Cynthia with other ideas: [cynthia.dietz@stonybrook.edu](mailto:cynthia.dietz@stonybrook.edu).

Reverting to some topics from the earlier session, Jim Walsh shared an email from another founding member, Jenny Johnson. Noting that NEMO has never met in the state of Vermont, Jim also volunteered to explore the possibility of holding a meeting at the NewsBank/Readex facility in Chester, Vermont. New York State, possibly at Cornell, is another potential site.

The meeting was adjourned at 12:15.

## NEMO 2006 Annual Meeting Session Reports

by Anne Graham

### Digitized Historical Topographic Maps

The Friday (6/9/06) morning session included four speakers who are working on projects to digitize historical topographic maps to provide data to online users.

The speakers shared the details of their projects so that the community could benefit from their experience of the process of digitizing maps, and learn about which maps they are providing. Information about these projects will be shared with the ALA-MAGERT project to create a clearinghouse of cooperative digitization projects.

In order of appearance, the speakers were:

**Greg Allord, Head of the National Science Publishing Program at the U.S. Geological Survey**, who spoke about the project he supervises at the USGS. Greg is leading the USGS toward its goal of developing a digital archive of USGS topographic maps.

He described the pilot project he and Jaime Martindale, of Robinson Map Library (<http://www.geography.wisc.edu/maplib/>) at the University of Wisconsin-Madison, completed last year, and showed the progress he has made since. Wisconsin topographic maps at 1:24,000, 1:62,500, 1:100,000, and 1:250,000 scales were among the first scanned.

Because of Hurricane Katrina, the Robinson Library's maps of the Gulf Coast areas were also scanned. Scanning of historical topographic maps at these scales from many mid-western states is now completed. Greg is interested in talking to university librarians from every state in an effort to gain access to the collections they may have received through the Federal Depository Library Program. Greg is also working with the Library of Congress on metadata standards.

**Sarah Mindel, Map & Geospatial Data Librarian, Map and Geographic Information Center (MAGIC), University of Connecticut**, described the history and progress of scanning projects at MAGIC (<http://magic.lib.uconn.edu>). Labor costs for most projects were funded as normal work. The project, "Building a Globally Distributed Model for Sharing a Significant Sheet Map Collection," was funded through an Institute for Museum and Library Services (IMLS) Grant. The image management software currently being used is ER Mapper. By fall 2006, ArcIMS will also be used.

**Whitley Frost, Library Assistant, Harvard Map Collection** (<http://hcl.harvard.edu/libraries/#hmc>) illustrated the process of making digitized maps available to the Harvard community and the public via the on-line library catalog called HOLLIS and a web-based repository called the Harvard Geospatial Library, which was created for access to viewing and downloading georeferenced map images and vector data. Whitley also stressed the importance of georeferencing for facilitating access to, and overlaying of maps with different information about the same place.

**Thelma Thompson, Map and Government Documents Librarian, University of New Hampshire**, profiled the evolution of the UNH Library collection of digitized USGS historical topographic maps of New England (<http://docs.unh.edu/nhtopos/nhtopos.htm>). The collection's 15-minute New Hampshire topographic quadrangles are being scanned at higher resolution and georeferenced through collaboration with the New Hampshire Geospatial Data Repository, GRANIT (<http://www.granit.sr.unh.edu/>). Images and metadata will be available from both the Library and GRANIT. The scanned images will also be offered to the USGS project Greg Allord is leading.





# NEMO 20th Annual Meeting 2006







## The Map Cataloging Workshop at the Annual Meeting

The annual meeting program began with a basic map cataloging workshop on Thursday afternoon. Instructors included: **Paige Andrew** Penn State University, **David J. Bertuca** University at Buffalo, and **Nancy Kandoian** New York Public Library.

The workshop gave an overview and also some in-depth instruction on the descriptive portion of cataloging print (paper) maps using AACR2, Library of Congress, and MARC-field code guidelines to create map records. NEMO is very fortunate to have Paige and Nancy, both distinguished map catalogers as presenters, and as members.

Following introductions and a short discussion of the importance of cataloging of maps, Paige began to speak about the decisions to make when cataloging cartographic materials, including examination of the map (or set of maps) to be cataloged, identification of main entry, publisher information, date of situation and date of publication, and other elements that will be needed to identify and physically describe the map in a cataloging record.

Paige and David discussed reference tools and resources, both print and online, that a map cataloger can use to assist them in their work.

Nancy and Paige talked about titles and how to identify the main title, added titles, and other title situations that map publishers create. Nancy showed some wonderful, and very interesting examples of more unusual maps and ways that publishers "title" their product.\* One of the unique examples Nancy showed was a silk scarf map. Additional examples were shown illustrating some of the complexities that maps present to the cataloger.

Next, David Bertuca presented a short session on Mathematical data, how to interpret data on a map, and how it is presented in a record. Mathematical data includes the projection, map scale(s), and geographical coordinates (latitude/longitude). Sometimes such data requires more careful examination to properly determine each of these map elements.

\* (Or don't include a title, giving the cataloger something else to deal with--and Nancy explained this as well).



Paige, Nancy, and David described when and how to include coordinates and showed examples of situations where the coordinates are less obvious, as well as examples of maps showing the coordinates quite plainly.

The session continued with the physical description of the map (e.g., physical dimensions, color, number of sheets). Paige explained using ruler and sample maps, how to properly measure the map, the sheet, and any unusual variations in dimensions. Nancy and David assisted people in locating the points to measure and offered additional examples of various situations that might arise. This practice gave the attendees direct experience with handling maps to identify and describe them.

In the final session, attendees were given a map, cataloging worksheet, and they went to work with the descriptive cataloging the map. This allowed for specific questions to be answered as they arose, and for each person to gain some experience. As a confidence booster, it worked well.

Closing remarks and last questions ended the workshop. Comments were favorable and we will definitely see more interest in future workshops or presentations on map cataloging.

Resources for the workshop are being kept on the NEMO website: <http://www.northeastmap.org/>. Go to the "Meetings" page, then the link to the 20th Annual meeting for notes, outlines, and resources.

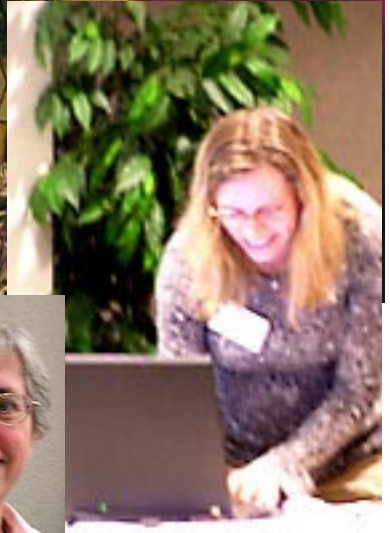
Report submitted by David J. Bertuca

## Field Trip to the Chase Ocean Engineering Building University of New Hampshire

On Friday afternoon, NEMO attendees visited UNH's **Ocean Mapping** facility in the Chase Ocean Engineering Building at UNH. They toured the facilities of the program, operated jointly by UNH and NOAA and devoted to development of state-of-the-art techniques in hydrography and related disciplines.

This very impressive center shows what the future has in store for mapping and research in underwater studies.





## NEMO Survey Results

Here are the results of the 2005/2006 survey. We mailed out over 100 surveys to current and past members (several years back) and about 20 responses came back (1/5-an average amount). Where all respondents checked a field, I entered "Yes" or "NO" etc. to the response. Where a number of checks were made to various fields, numbers are used. Responses are in **bold face**.

**Note:** Every respondent did not answer every question so numbers do not equal the total responses.

A summary follows giving a quick view of the responses. This is my own interpretation of the survey and should only be considered as a very brief opinion.

NEMO members or anyone in the fields covered by NEMO are welcome to submit comments, suggestions, offers to present or write, or any other thoughts that you feel would benefit the organization and its goals. You may submit these with your name and address, or anonymously. Send these to the NEMO Newsletter editor who will forward them on to the appropriate persons involved with activities.

### A. Organization

1. NEMO's target membership has traditionally been a diverse group of people interested in all aspects of maps and cartography (librarians, geographers, map collectors, map users, etc.). Should we continue to serve this entire population?

**Yes**

2. Membership has been maintained at \$15/year, which includes the Newsletter and funds to provide for other business activities of NEMO. Do you think that this amount is:

**11 good; 3 too low; 0 too high**

3. NEMO is an informal organization with a simple officer structure. This allows us to work by consensus and to be more responsive to the membership. Members share in the operation of the organization mainly through attendance at the annual meeting. Do you feel this is a good structure?

**6 Yes; 1 No**

**Comment:** Organization structure needs changing. It is hard to rely primarily on one annual meeting when attendance is low and the area we cover quite wide geographically. I don't have a specific suggestion for additional venue/structure, but if others also feel this way perhaps it should be explored. Perhaps most members feel that a rather passive membership is sufficient.

### B. Meetings

At present, we hold an annual meeting.

1. Do you attend NEMO meetings?

**6 Yes; 4 No; 2 Sometimes**

If NO, why?

**1 = Date conflicts**

**2 = Other job priorities/responsibilities prohibits attendance**

**1 = Don't like meeting content**

**1 = Involved in other dept. activities; others do go from here**

2. Which do you prefer?

**Annual meeting (all respondents)**

3. If NEMO held meetings in association with, or at the same time as other organizations (i.e., New England Library Association, or another professional org.), would you be more likely to attend?

**6 Yes; 6 No**

4. When would want to meet?

**8 = June (as in past)**

**4 = October**

**1 = February/March**

**2 = April/May**

**Note: If meeting date is set extremely early a July/Aug meeting that targets public school teachers is a possibility as a one-time event**

5. When would you NOT want to meet?

**4 = Summer**

**1 = July through May**

**1 = October/November**

**2 = December/January**

6. How far would you travel to attend a NEMO meeting?

**3 = 3-5 hrs**

**4 = 5-7 hrs**

**2 = 7+ hrs**

7. Which length for meetings would you prefer for annual or other meetings?

**8 = Thursday afternoon-Friday afternoon (original schedule)**

**1 = Thursday (all day)-Friday afternoon (adds morning session time)**

**2 = Thursday (all day)-Friday (all day) (full day sessions)**

**3 = Friday only (with Thursday evening reception/dinner)**

8. Which format would you prefer? (circle 1-2):

**0 = Formal presentations only**

**0 = Formal presentations with panels (related or unrelated to presentations)**

**2 = Formal presentations with open time for informal presentations**

**2 = Formal presentations and individual workshops (short sessions)**

**2 = Mixture of presentations, workshops or demos, and open forum sessions**



**0 = Presentations with pre-meeting workshops, or with workshops a day earlier/later**

**0 = All-day workshops as main theme for meeting**

Other comments on meetings:

**I would vary the formats**

**Format does not need to be the same every year, e.g., if a topic lends itself to an all-day workshop, do it, but there should also be something else prior or following that brings those who might not be interested in that topic.**

**Timing of business meeting needs thought.**

**Plenty of prior [meeting] notice is important**

9. Program/Presentation suggestions (Examples might include: Preservation of paper and digital maps and geo-spatial data, Cataloging cartographic information, Best practices in digitization, Interesting projects of NEMO members or others in area, Cartography in a digital environment):

### GIS

**Preservation is something that lends itself to a theme meeting. I would find that very interesting as there are so many aspects to the topic.**

**Changing uses of maps by general public and students -- research results that we can use in our libraries, teaching, businesses, etc.**

**Any/all of the above topics are of interest.**

10. Other comments regarding meetings

**If we offer a more varied content to attract different kinds of map enthusiasts, we should offer a la carte registration. Even if registration for full meeting is relatively inexpensive, people psychologically don't like to pay for something that they won't "use", i.e. the session(s) they don't plan to attend. That can tip the balance if someone is on the fence whether to come.**

**Possibly target a shorter survey to people who have attended once and not returned -- find out why.**

**Evaluation forms for meeting attendees to rate the meeting, presentations, and environment, as well as to offer suggestions for future meetings (place, topics, etc.). Could also be a place for people to volunteer.**

### C. Activities

1. What additional activities should NEMO consider?

**2 = Exhibits**

**2 = Exhibits, Virtual (Web)**

**2 = Special publications (maps, books, pamphlets, other)**

**2 = Sponsorship of students in geography/cartography/map-related fields**

**3 = Co-sponsor activities with other organizations**

### D. Participation

1. Would you be willing to do any of the following (check all that apply):

**3 = Write articles, columns, or reviews for the *NEMO Newsletter***

**3 = Present short papers at meetings**

**1 Present workshops (half day or in conjunction with other workshops)**

**1 = Assist in moderating, or being on a panel**

Other:

**Follow up without fail on anyone's offer to help do anything. Nothing kills willingness to volunteer again quicker than having an earlier offer ignored.**

### E. Newsletter

1. Do you read the newsletter?

**Yes (all respondents)**

2. Do you like the newsletter format?

**Yes (all respondents)**

3. The current publication is quarterly. Do you prefer:

**Stay the same (all respondents)**

4. What size do you want?

**11 = current (4-12 pages)**

**1 = 4 pages only**

**3 = any length is fine**

5. Content. Please check the following content and/or suggest other content types.

**3 More Reviews of maps/books (1 respondent added = keep them brief)**

**1 More Reports on meetings (1 respondent also said present amount is good)**

**1 More Articles on specific topics**

### Content Comments:

**Topics related to specialties of our members and related to cartography in the area**

### Instructional columns

**1 = More; 1 = Less**

Comment on instructional columns: **Depending on the subject this can be hard to tackle in a newsletter format**

### News about members

**5 = More**

### Other Newsletter comments

**Theme/Special Newsletter issues**  
(see also comment 6 below)

**I think it is great - so much work!**

Continued...

6. Would you want to see any “special issue” type publications on topics or themes? If so, suggest.

**Several respondents suggested interest in the special issue concept**

**If something surfaced at annual meeting as a topic or theme of great interest, it might be worth considering.**

**Special (additional) issues might be nice occasionally on special topics**

**I hesitate to give suggestions without offering to help/submit articles, etc. because I am spread too thin to volunteer at present.**

Additional Newsletter comments

**I am fairly happy with the newsletter. Content depends on what members submit and editor adds -- sometimes it's bigger, sometimes smaller, sometimes contains reviews, sometimes not, etc. That's OK.**

F. Additional Comments, Thoughts, or Items Not Discussed:

**We need to consider what is unique about our geographic locale that will entice busy people who have a lot of national map organizations and other regional organizations that may support some other aspects of their professional lives to devote time and effort to NEMO. Face-to-face contacts with colleagues are important. How can we build on this potential strength of NEMO?**

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### Summary of Survey

(by David Bertuca)

Category summaries:

**A. Organization:** Most of the comments were favorable and in general NEMO is doing a good job at meeting member needs. Our annual dues are generally believed to be good, though a small portion think that dues are too low. Organization structure is considered good as is, with a comment that we should develop better communications and try to find better ways to administer NEMO.

**B. Meetings:** About half of the respondents attend NEMO meetings. Reasons for not attending include date and job conflicts. Meeting content (topics) was also cited.

The question of holding a joint meeting with another organization as incentive to attend was evenly split between those who would and those who would not be influenced by joint meetings.

In terms of when to hold NEMO annual meetings, half prefer June (as in past), one-quarter would like October, and the remaining quarter favored other months.

In terms of when NOT to hold NEMO meetings: half would not attend in summer and half would not attend during fall/winter months.

How far would NEMO attendees travel to an annual meeting? About half would travel 3-5 hours, and half would travel 5-7 hours. Two persons would travel more than seven hours to attend.

**Length of meetings:** more than half of the respondents prefer the existing format (Thursday afternoon-Friday afternoon) while the remainder is split between those wishing to lengthen the meeting, and those wanting to shorten it.

**Presentations at the meeting:** those responding were evenly in favor of three styles: formal presentations with time for informal presentations (similar to most past meetings), formal presentations with short, individual workshops, and a mixture of presentations, workshops, demos, and open forum sessions.

Several commented that the meeting format should vary to provide variety and to the topics being considered (i.e., theme or special area, etc.). Comments also suggested to maintain a variety of topics to cover the diverse membership.

**Additional comments on meetings** included suggesting that the business meeting should be scheduled/conducted differently, and comments favoring very early notices of meetings to improve attendance.

#### Program/Presentation suggestions:

GIS

Preservation of paper and electronic maps/data

Changing perceptions/use of maps by general public and students

Digital/digitizing maps

Cataloging of maps, GIS, and electronic geospatial data

Member-specialists presenting on interesting projects or developments

Map specialists (non-members) involved in similar projects

Cartography in a digital environment.

#### Other meeting-related comments include:

Offering more varied content to attract different kinds of map-related people, by adding more “a la carte” registration choices (similar to the 2006 meeting)

Evaluation forms or surveys of recent attendees on their thoughts for improving meetings, and also to provide a place for people to volunteer for activities in NEMO.

#### C. Activities (in addition to meetings): Suggestions:

Exhibits (physical or virtual)

Special publications of maps, books, or other items)

Sponsorship of students in geography/cartography and related areas

Co-sponsoring activities with other organizations.



**D. Participation:** comments were sent by persons wishing to work on various NEMO-sponsored activities related to meetings and the newsletter. A number of people would be willing to write newsletter articles, or present short papers at meetings. Several would be willing to present workshops, or to moderate panel discussions.

One comment reminded us that any offers to help or participate should be followed up on as soon as possible to keep interest alive.

**E. Newsletter:** All respondents read and like the *NEMO Newsletter*. Almost all prefer the current size (4-12 pages) or any length, with one preferring a four page limit. In terms of content, responses favored more:

Reviews of maps and books

Meeting reports

Member news

Special theme issues (an entire issue devoted to special theme or topic—see comments below)

Topical articles (with specific comment to featuring members and their specialties.

Instructional articles: Of the two comments on instructional columns, one would like to see more, one less, with additional note that some subjects would not lend themselves to newsletter type coverage.

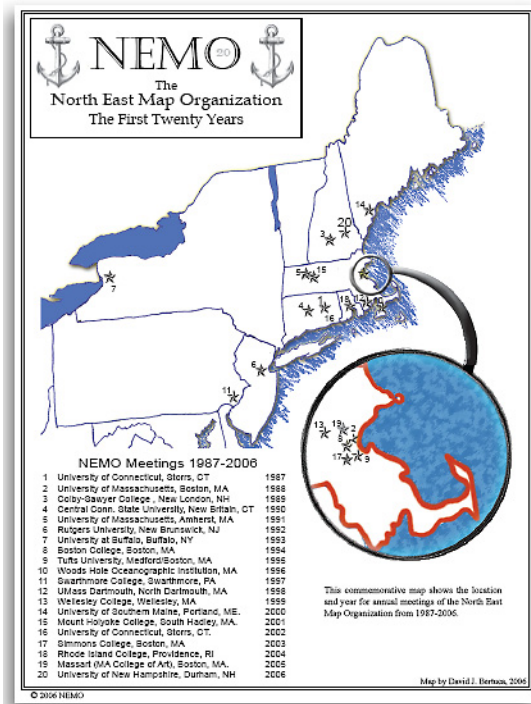
**Additional newsletter comments:** On the special theme newsletter concept, several suggested choosing something that might come up at a meeting that might be of great interest to members and others in the field, or if there were special topics that membership might feel that it would be worth pursuing.

**F. Additional comments to survey:** Read the survey responses directly (see F above).



#### Current Officers (2005-2006)

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



## NEMO 20th Anniversary Commemorative Map Available

If you were unable to attend the 20th Annual Meeting in June, there are still copies of the commemorative map available. Members may request a copy of the printed map, or may go to the NEMO website to download a printable facsimile of the map (either on a local printer or to a commercial photocopy store).

Contact the David Bertuca to make a request.

## LOOKING AHEAD TO A NEW WORLD WITH NEMO

North East Map Organization  
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## The NEMO Newsletter

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Published quarterly by the North East Map Organization (NEMO), all rights reserved. Contact the editor for permission to reproduce material. The views expressed in this newsletter do not necessarily reflect those of NEMO nor its members.

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

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NEMO (North East Map Organization) is 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 and cartographic information. NEMO's principal region is CT, DE, ME, MA, NH, NJ, NY, PA, RI, VT, and Ontario/Québec.

**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:

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Evergreen, CO 80437

phone: 800-962-1643 x123

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e-mail membership-related questions/address changes to:

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

## First Class Mail

Return address requested