Wisconsin's
Underwater Heritage

Vol. 5 No. 2 A publication of the Wisconsin Underwater Archeological Association Spring 1995

Spring meeting previewed future research

The 1995 Spring Meeting of the Wisconsin Underwater Archeological Association was held on Saturday, April 22, at the Wisconsin Maritime Museum in Manitowoc.

During the business portion of the meeting, the treasurer's report showed that the Association currently has a surplus of $2,300. Part of that surplus is the result of $500 that Dick Boyd and Dave Cooper donated to WUAA from the proceeds of last fall's research diver specialty/workshop at Pearl Lake Resort.

CURRENT PROJECTS

In reviewing current research projects, Research Committee Chair Danny Aerts displayed a copy of the recently completed report on the Leathem & Smith Quarry Site.

The 17-page bound report documents work during 1990-1993, and includes original cover artwork by Betsy True. The report is the first publication to carry the Association's new logo, and copies are available for $5 from Danny Aerts, 2437 Norwood Place, Madison, WI 53705 (tel. 608-233-2066).

Tom Villand reported that work is nearing completion on a 78-page publication entitled *The Four Lakes of Dane County, Wisconsin: An Underwater History and Diver's Guide*. The WUAA previously committed $500 toward the publication, which may be produced by University Press.

Dick Boyd reported that he and Dave Cooper will be repeating the Research Diver Specialty/Workshop course at Pearl Lake this coming summer. Last fall's program attracted over 40 participants with another 40 on a waiting list.

This year's program will be held on Saturday, July 29, with Association volunteers needed to assist in both land and underwater training exercises. To volunteer or for more information, contact Dick Boyd (tel. 414-646-2092) or Dave Cooper at the State Historical Society (tel. 608-264-6493).

The WUAA will also be continuing its work on a fish weir in the Yahara River near Stoughton this summer. Last November, several Association members assisted a local archeologist by beginning to map the rocks that form the weir.

This year's work will continue the mapping process along with the possibility of exploring a pioneer-era dam that is near the site. For more information, contact Danny Aerts at 608-233-2066.

Dick Boyd reported on the Association's deep-wreck project involving the *Daniel Lyons*, a three-masted schooner which sank off Sturgeon Bay in 1878. During the 1995 season, Dick hopes to able to make 2-3 dives from the *R/V Fathom* which will be based in Sturgeon Bay.

The exact dates for this year's work on the *Lyons* have not been set but will probably take place in late July or August when water visibility improves. Project leaders hope to make a rough survey of the entire site, an artifact list and conduct some photographic documentation this season.

In light of the 100 foot-plus depth of the site, there are special equipment and experience restrictions for project participants. For more information, contact Dick Boyd at 414-646-2092.

NEW PROJECTS

With the completion of the Leathem & Smith Quarry site work, the Association will begin work on a new site in the Sturgeon Bay area this summer near Bullhead Point.

The site contains the remains of three vessels, including the steamer *Empire State*, and is relatively shallow (6-8 feet). It was chosen for both its historical significance and the opportunity the site will provide for training new members and independent research by experienced members.

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Work begins on Bullhead Point Project in Sturgeon Bay at 9 a.m., Sat., June 17 For more info., call 608-233-2066 or 608-246-0351

Research & Communications
The Internet can be a powerful tool

By Bob O'Donnell

Editor's Note: The following is the first in a series of articles that I prepared for the Association for Great Lakes Maritime History on the potential uses of the Internet for maritime research. Since the technology has a lot of potential for WUAA, I'm reprinting it here.

If you're not familiar with the Internet, you're not alone. A recent *Newsweek* magazine survey of business people found that 85% had not heard of the term "Internet" and 65% had not heard of the term "information superhighway."

Further, very few people including myself can claim to be experts on the Internet. The best we can do is to share our experiences and knowledge of what promises to be a very exciting new tool for communication and research.

WHAT IS THE INTERNET

In its simplest terms, the Internet is a worldwide collection of computer networks which enable people to communicate and share information with each other for essentially the cost of a local telephone call.

But despite claims that we've moved from the Industrial Age to the Information Age, the use of computer-based communications, like the Internet, is still a relatively new

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is published quarterly by the Wisconsin Underwater Archeological Association. The WUAA is a non-profit association of individuals who are interested in studying and preserving the underwater cultural resources and historical sites of Wisconsin.

In addition to publishing this newsletter, the Association also holds two annual meetings and provides financial support to members' research and publication projects.

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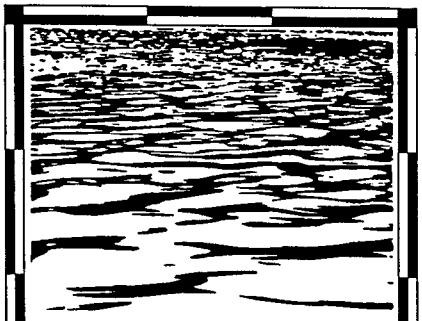

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The Internet

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concept for most people.

And like the early days of computers, we are only now beginning to learn practical ways to use the new technologies in everyday life.

ON-LINE VS. INTERNET

One of the most commonly asked questions is what is the difference between the Internet and commercial on-line services such as Compuserve, America OnLine or Prodigy. First, all four are essentially ways for people to use their computers to obtain and exchange information.

One major difference between the Internet and commercial services is the number of people that use them. Currently, it is estimated that between 15 and 20 million people around the world are using the Internet. In contrast, the largest commercial service, America OnLine, has approximately 3.2 million users.

Further, while a commercial on-line service is a single centralized computer network, the Internet is a decentralized collection of over 15,000 computer networks around the world.

And while commercial services charge users a variety of service fees, there is no cost to using the Internet except for the cost of local access.

However, commercial on-line services may provide a cost effective way for first-time users to learn how to use computers to remotely access information and discussion groups. Further, in the past two months, all three of the major commercial services have begun offering some form of limited or full Internet access to their subscribers.

HISTORY OF THE INTERNET

The Internet has its origins in the 1960s in a computer network known as ARPAnet which connected the U.S. Department of Defense with institutions that were doing military research.

In the late 1980s, the National Science Foundation sought to create a network of supercomputers that could be used by non-military research institutions and universities.

Using the ARPAnet model, the NSFNet and developments that followed help to create technology that allow different networks and types of computers to talk to each. In simple terms those inter-network communication technologies resulted in the creation of what we now call the Internet.

HOW DO I ACCESS THE INTERNET

Today, anyone with a personal computer and a modem can access the Internet. A modem is essentially a device to transmit and receive computer signals through a telephone line.

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Spring meeting

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Tentative 1995 work dates for the Bullhead Point project include June 17, August 12 and the weekend of October 14-15. For more information, contact Danny Aerts at 608-233-2066 or Dave Neudek at 608-246-0351.

STATE HISTORICAL SOCIETY

Dave Cooper of the State Historical Society provided an update on the Society's upcoming projects and events.

In May, Dave along with several Association members were going to conduct a visual reconnaissance of a site on the Lac du Flambeau reservation in Northern Wisconsin.

Also in May, the State Historical Society was participating in a Heritage Tourism Conference and taking part in ceremonies commemorating the *War Eagle* fire in La Crosse.

On June 23, the Submerged Resources Council will be holding at meeting in Bayfield. The half-day meeting will provide council members with an opportunity to review the results of this year's state budget on the preserves program (see Winter 1994-95 newsletter for details), and see the result of work in the Apostle Islands National Lakeshore.

The public is welcome to attend SRC meetings. For more information, contact Dave Cooper at the State Historical Society (tel. 608-262-0160).

OTHER ITEMS

The Fall WUAA Meeting was tentatively scheduled for Saturday, October 14, in Sturgeon Bay. Weather permitting, holding the meeting in Door County will enable participants to also take part in either research work or a training program at the Bullhead Point site.

The Spring Meeting concluded with a presentation on the *Lottie Cooper* by Bill Wangemen, Sheboygan city historian; and tours of the Wisconsin Maritime Museum's gallery and the Lottie Cooper shipwreck display in Sheboygan.

That telephone line connects the computer user to the Internet through a local access provider or one of the commercial online service, such as CompuServe. However, the power of one's computer and the speed of your modem has a direct impact on how effectively you can use the Internet.

Most users recommend a computer with at least 8 megabytes of random access memory (RAM) and a modem that transmits and receives at 14,400 bits per second (bps). However, there are plenty of users out there with computers that have 4 megabytes of RAM and 9600 bps modems.

The final item that one needs to access the Internet is communication software which is normally provided by your Internet access provider for a nominal charge (i.e., $25 to $40).

In addition to your local telephone charges, access providers charge some monthly fee (normally around $10 per month) and some hourly connect charge (usually $1 or less per hour).

HOW DO I USE THE INTERNET

When considering using the Internet, keep in mind that the system was not originally designed for use by the general public. It was designed for use by researchers and academics, and those people are still the single largest group of Internet users.

As a result, they have created a language and culture on the Internet that to say the least is "unique" to the rest of us (see exhibit). This uniqueness is evident when you consider the names of the four major features or uses of the Internet: telnetting, E-mail, network news, and FTP.

Telnetting is one of the earliest uses of the Internet and essentially allows a person to remotely access and use another computer. For example, through the Internet researchers can log on to the University of Wisconsin-Madison computer system and access the State Historical of Wisconsin's computer card catalog.

Internet users can telnet to a list of the Society's holdings at wiscinfo.wisc.edu. and then looking under "library catalogs." For more information on personal computer access, contact the UW-Madison Memorial Library Automation Help Desk at (608) 262-8880.

E-mail or electronic mail allows people throughout the world to transmit and receive messages to each other. One of the more interesting features of E-mail is the use of listservs, which are essentially lists of people with common interests to which messages can be broadcast. The listservs are created and operated by volunteers throughout the world.

For example, the Marine Museum of the Great Lakes at Kingston has established a listserv for maritime historians and museums with access to the Internet. Refered to as MARHST-L, there are currently over 250 subscribers to the list from throughout the world (For more info., contact Maurice Smith, curator, MMGL, 55 Ontario St., Kingston, Ontario K7L 2Y2; (613) 542-2261).

Network news is not "real news" but is actually groups of people who leave and share messages with each other and the general public through host computers on the Internet. These news networks range from the mundane to the bizarre, and this feature may or may not be available from all access providers.

The final major use of the Internet is to transfer files from one computer to another using what is refered to as a File Transfer Protocol (FTP). Essentially FTP allows you to access another computer and download (i.e., transfer) to your computer files composed of text, graphics, audio, computer software, etc.

The proposed Association for Great Lakes Maritme History image database pilot project is an example of a graphics file that may some day be accessible through the Internet.

The project would transfer images of portions of the collections from three AGLMH

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WUAA Membership Application

As a private, non-profit organization, the Wisconsin Underwater Archeological Association presents an opportunity for both individuals and organizatons to participate in and contribute to state efforts in undewater archeological research and preservation. Dues are $15 per year.

Name _____

Address _____

City _____ State _____ Zip _____

Telephone: Day _____ Evenings _____

I would like to be involved in the following activities:

____ Archival research
____ On-site work - shoreside
____ Association Committees:
____ Newsletter
____ Training
____ Other: _____
____ Training in archeological methods
____ On-site work - underwater
____ Projects
____ Membership

Make $15 check payable to "WUAA" and mail with this form to: Wisconsin Underwater Archeological Association - P.O. Box 6081 - Madison, WI 53716

More Internet

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institutions into a format that would be accessible to researchers using computer-based communications technologies.

AND THERE'S MORE

Now that I've probably overwhelmed more than a few people with computer speak, let me further muddy the waters by introducing the terms "Gopher" and "World Wide Web Browser." Both of these terms basically involve methods of making it easier to access and find things on the Internet. But that's the subject for next issue .

Also in the next issue, more on E-mail including how translate those confusing Internet addresses on people's business cards.

Bob O'Donnell, when he is not working on the WUAA Newsletter, is a community resource development instructor with the University of Wisconsin-Extension.

If you have questions, concerning the Internet, you're encouraged to write to him at 1406 Prospect Ave., Wausau, WI 54403 or send a message to his E-mail address: odonnellb@wisplan.uwex.edu.

Upcoming Projects and Conferences

June 17	**Bullhead Head Point Project** in Sturgeon Bay. Opportunities for new and experienced members. For more info., contact Danny Aerts at 608-233-2066 or Dave Neudek 608-246-0351.
July 29	**Research Diver Specialty/Workshop** at Pearl Lake near South Beloit, Ill. Opportunity for volunteers to assist in both land and underwater training. For more info., contact Dick Boyd at 414-646-2092. For course info., contact Greg Kent at 815-389-1479.
July/Aug.	**Daniel Lyons Project** near Sturgeon Bay. Opportunity for divers experienced in deep-wreck sites. For more info., contact Dick Boyd at 414-646-2092.
Aug. 12	**Bullhead Head Point Project** in Sturgeon Bay. Opportunities for new and experienced members. For more info., contact Danny Aerts at 608-233-2066 or Dave Neudek 608-246-0351.
Oct. 14	**Fall WUAA Conference.** Tentative Site: Sturgeon Bay. Opportunity to combine business meeting and presentations with opportunity for fieldwork/training. For more info., contact Tom Villand at 608-221-1996 or Bob O'Donnell at 715-842-1762.
Oct. 14-15	**Bullhead Head Point Project** in Sturgeon Bay. Opportunities for new and experienced members. For more info., contact Danny Aerts at 608-233-2066 or Dave Neudek 608-246-0351.

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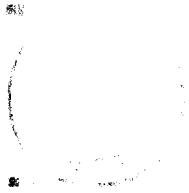

Spring 1995

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