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Crosscurrents

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Photo courtesy of Manitowoc Maritime Museum

In 1894, the crew of the schooner, Lottie Cooper, sailed from Advance, Michigan, to Sheboygan, Wisconsin. They reached the Sheboygan harbor by midnight. Then Lake Michigan winds changed direction and rose to gale force. The Captain of the Lottie Cooper, Fred Lorenz, signaled for a tug to haul his vessel into the safety of the harbor, but no response came. Conditions deteriorated throughout the night and the captain again called for help. For the rest of the story, see Dave Berwick's article about the Lottie Cooper, on page 3.

District library helps manage flood of information

By Jean Schmidt, librarian

What is the origin of the term "red tape?"

How can you find an article that you heard about in *Federal Computer Week*, concerning the U.S. Geological Survey's "Program on Double Map Resolution." You can't recall the date or the author.

These are just two of the many questions that the St. Paul District technical library has helped to answer.

Sure, libraries have traditionally offered stacks of books and periodicals. But that's changing. Today's libraries provide a mix of personal services and technologies that help you do your work efficiently by managing an ever-increasing number of information sources.

Databases, networks and document retrieval are the new tools of the information search. And a librarian can help you manage, control and use them efficiently.

On-line databases

Your district library accesses more than 350 on-line databases. These databases can give you an answer to a specific question, obtain the address of a company, or do an extensive bibliographic search.

For instance, the DIALOG electronic database alone provides over 260 million records in areas such as biology, engineering, chemistry, and social sciences. Or you can access the *Reader's Guide* through EPIC, another electronic database. The library provides access to the Minnesota Department of Planning's DATANET for information on population, lakes, wetlands, and forestry.

Indeed, the Mississippi River Project Office (MRPO) is establishing a forest management program on the Mississippi River. "We have a continuous need to locate scientific and technical information for forest management," said Randy Urich, project forester. "The convenient access to interlibrary loans, access to bibliographies on CD-ROM (compact disk-read only memory) and other search services has been invaluable," said Urich.

The benefit of on-line information is that the databases are frequently updated and the results are immediately available. You don't have to drive to another library or wait for an interlibrary loan for full-text retrieval of journal articles, directories, and newspaper articles.

But, when you access an on-line database, the "meter is ticking." Which database should you use? What are your most efficient query words? What are your best sources? By knowing the system, a librarian can reduce your search expenses.

Al Geisen, chief, Cost Engineering Branch, recently walked into the library for a data base search. "I found the service to be quick and cost-effective. I obtained both technical and non-technical information on two separate occasions," Geisen said.

One economical resource that lacks the ticking meter is the CD-ROM. This is a peripheral to the public access terminal in the library. On it, you'll find encyclopedias, Corps publications, the *Fisheries/Wildlife Review*, *Water Resources Abstracts* and the *Computer Library*.

Because it lacks the meter, CD-ROM is a good learning tool for those who like to search for their own source material.

Networking and document retrieval

You know that databases can save you time by quickly identifying useful sources and answering questions.

But unless the information is downloaded from a full-text database, the article or book you found still has to be located. To help locate that hard copy, the library belongs to a international network, called OCLC. Through the OCLC, the library can access information as far away as the British Lending Library. Access to books and journals through interlibrary loans can be quicker and less expensive than buying the information from a publisher.

Recently, for example, an employee obtained a book on powder coatings through interlibrary loan from another Minnesota library. Although Greater Minnesota is not as distant as Great Britain, the cost was only \$2. The book arrived in five days.

Personal service

Today's librarians work closely with users to locate, retrieve, and package information in a useful format. A librarian can help you cut the red tape that slows your search for the right data.

And speaking of "red tape," the term originated around 1760 from the British custom of binding their legal documents in red tape.

The source for the "Program on Double Map Resolution," by Bob Brewein was *Federal Computer Week*, August 10, 1992.

On the bottom of Lake Michigan

Schooner Lottie Cooper identified after 98 years

Editor's note: When the City of Sheboygan, Wisconsin, applied to the St. Paul District in 1989 for a permit to build a marina, compliance with the National Historic Preservation Act of 1966 required cultural resource investigations as part of the permit process. The discovery of archeological treasure on the bottom of Lake Michigan was the result.

by David Berwick, archeologist

Leaving from Advance, Michigan, on April 7, 1894 under good weather, the attractive, 131-foot schooner, the Lottie Cooper, set sail for Sheboygan, Wisconsin with a cargo of 230,000 feet of elm lumber. By the following evening, the winds changed direction and rose to gale force, but the crew made their way to Sheboygan, reaching the harbor by midnight.

Captain Fred Lorenz signaled for a tug to haul his vessel into the safety of the harbor, but no response came. Knowing that the vessel could not enter the harbor mouth under heavy seas without assistance, Captain Lorenz came to anchor.

Conditions deteriorated throughout the night, and further efforts to signal for help were made. In the pre-dawn hours, the vessel began to drag anchor and drift to shore. By 5 o'clock on the morning of April 9, Captain Lorenz sent a distress signal, but this was no sooner done than the vessel foundered.

For 98 years, the Lottie Cooper was lost to the depths of Lake Michigan. Then, in 1989, the St. Paul District notified the City of Sheboygan that the city must conduct an underwater archeological survey of the Sheboygan harbor in order to get a Corps permit to construct a new marina.

In 1990, Tidewater Atlantic Research, Inc., of North Carolina, conducted a remote sensing survey of the project area for the City of Sheboygan.

Tidewater used sidescan sonar and a magnetometer. The side scan sonar equipment let Tidewater archeologists see remains of the vessel that were still visible above the harbor bottom. The magnetometer identified areas where lake sediments buried metal components of the vessel.

Next, Tidewater archeologists in scuba gear diving at the site tried to identify what the remote sensing survey had targeted. From the size and type of vessel found and the construction techniques used in building the hull, the archeologists felt that this was the remains of the scow-schooner R.H. Becker.

The wreck of the Lottie Cooper represents a period in Wisconsin's history when hundreds of these wooden sailing vessels plied the dangerous waters of the Great Lakes.

After the 1992 archeological excavation, when the sediments were cleaned from the vessel, archeologists were able to accurately measure the vessel. From these more accurate measurements, they determined that the vessel was the Lottie Cooper, the only shipwreck in the area that closely fit these new dimensions.

Patching on the hull also gave clues to the date of the vessel. The carpenter who made the patch used wire nails,

similar to those used today. These nails were not used until the late 1880's, confirming that the vessel sank after that time.

Under an agreement among the St. Paul District, the City of Sheboygan, the Wisconsin State Historical Society and the Advisory Council on Historic Preservation, the city recovered the centerboard of the Lottie Cooper. The City plans to display it at the new marina for interpretation of the City's maritime history. Removing the vessel from the harbor bottom in 1992 created intense local interest, and, the city is looking for funds to preserve more of the vessel for interpretive purposes.

David Cooper, Wisconsin State Underwater Archeologist, believes that the wreck of the Lottie Cooper represents a period in Wisconsin's history when hundreds of these wooden sailing vessels plied the dangerous waters of the Great Lakes.

These dangers are well illustrated by the fate of one of the crew of the Lottie Cooper. The United States Life-Saving Service, in recording the wreck of the vessel recounted one sailor, Edward Olsen, who "jumped upon the raft (of lumber) as it floated off, but this unstable means of possible escape held together only a few moments, and when it went to pieces the sailor was thrown into the sea, where his comrades could not aid him, and soon drowned, his death being clearly the result of his own unwise conduct."

The history of the Lottie Cooper and the City of Sheboygan's efforts to recover this vessel are scheduled to be published in *The Wisconsin Archeologist*.

New Division Commander visits St. Paul District



Photo by Ken Gardner

At left, Dave Haumersen, Deputy District Engineer for Engineering and Project Management, and Jan Graham, secretary, welcome Brig. Gen. Albert Genetti, Jr., the commander of the new North Central Division (NCD). Genetti visited the district for the first time on January 20. The new NCD headquarters will be in Cincinnati, Ohio.

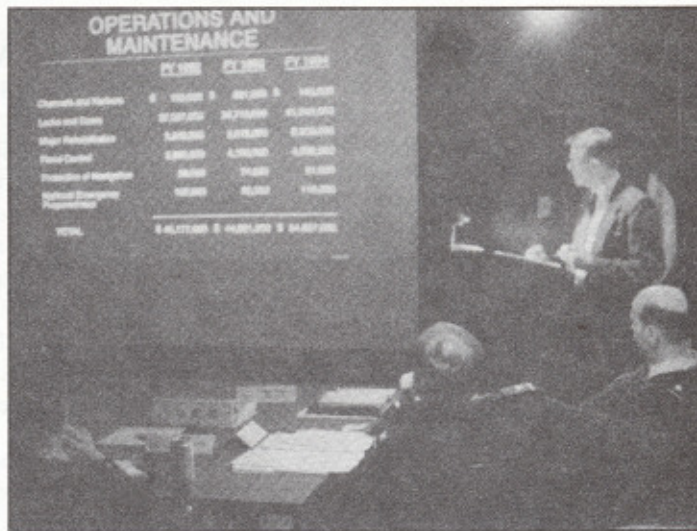


Photo by Ken Gardner

Jim Kursu, chief of Programs Management, was among those who briefed Gen. Genetti. District Commander Col. Richard Craig presented a mission briefing and project managers highlighted projects for Gen. Genetti. Kursu discussed district programs.



Left to right are Deputy Commander Major Chuck Rogers, Col. Craig and Gen. Genetti.

Photo by Ken Gardner

Corps prepares new office symbols for reorganization

Here are the basic office symbols for new Major Subordinate Commands (MSC) and District Commands.



Photo by Ken Gardner

Col. Craig (left) and Gen. Genetti talk during a break in the briefing.

Title	Current	Old
North Central Division	CENCD	CENCD/ORD/MRD
Buffalo District	CENCB	
Chicago District	CENCC	
Detroit District	CENCE	
Huntington District	CENCH	CEORH
Kansas City District	CENCK	CEMRK
Louisville District	CENCL	CEORL
Nashville District	CENCN	CEORN
Omaha District	CENCO	CEMRO
Pittsburgh District	CENCP	CEORP
Rock Island District	CENCR	
St. Louis District	CENCT	CELMS
St. Paul District	CENCS	
Northeast Division	CENED	CENED/NAD
Baltimore District	CENEB	CENAB
Boston District	CENEO	CENED
New York District	CENEN	CENAN
Philadelphia District	CENEP	CENAP
Pacific Ocean Division	CEPOD	
Alaska District	CEPOA	CENPA
Far East District	CEPOF	
Honolulu District	CEPOH	
Japan District	CEPOJ	
South Central Division	CESCD	CELMVD/SWD
Fort Worth District	CESCF	CESWF
Galveston District	CESCG	CESWG
Little Rock District	CESCL	CESWL
Memphis District	CESCM	CELM
New Orleans District	CESCN	CELMN
Tulsa District	CESCT	CESWT
Vicksburg District	CESCV	CELMK
Southeast Division	CESED	CESAD
Charleston District	CESEC	CESAC
Jacksonville District	CESEJ	CESAJ
Mobile District	CESEM	CESAM
Norfolk District	CESEN	CENAO
Savannah District	CESES	CESAS
Wilmington District	CESEW	CESAW
Western Division	CEWED	CENPD/SPD
Albuquerque District	CEWEQ	CESWA
Los Angeles District	CEWEL	CESPL
Portland District	CEWEP	CENPP
Sacramento District	CEWEK	CESPK
San Francisco District	CEWEN	CESPN
Seattle District	CEWEA	CENPS
Walla Walla District	CEWEW	CENPW

Bits and Pieces

Parental Leave Task Force recognized



Photo by Jon Lyman

On January 21 District Commander Col. Richard Craig recognized the members of the Parental Leave Task Force for their work in developing the district's new parental leave policy. At left, Jan Schwalbe, environmental protection assistant, Regulatory Branch, and Bob Post, chief, Engineering Division, acted as co-chairs of the task force. Other contributors (left to right) are Jean Schmidt, librarian; Gary Nelson, Economic Social Recreation Branch; Judy DesHarnais, Engineering Management Branch; Col. Craig; Pat Foley, chief, Hydraulics Section; Kris Fairbanks, Environmental Resources; and Kent Spading, Hydrology Section. Not pictured are Sheryl Hurley, chief, Recruitment Branch and Marianne Price, EEO officer.

Army environmental organization gets new name and new leader

In early November, the Secretary of the Army announced the restructuring of the Army environmental organization and the appointment of a new director. Brig. Gen. Gerald C. "Jed" Brown was appointed effective November 10, 1992, as the first Army Director of Environment, located in the Office of the Assistant Chief of Engineers at the Pentagon. Army Environmental Center (AEC) is the new name for the U.S. Army Toxic and Hazardous materials Agency, a U.S. Army Corps of Engineers field agency located at Aberdeen Proving Ground, Maryland.

Hello

Logistics Management Office
Ronald S. Hobson, supply clerk

Real Estate Division
Amy L. Hennen, realty clerk (typing)

Resource Management Office
Tashawnda J. Phillips, clerk-typist

Good-bye

Construction-Operations Division
John M. Bock, laborer
Audrey J. Henderson Nocho, student trainee
Theresa R. Lloyd, clerk-typist

Executive Office
Lavette R. Thomas, clerk-typist

Human Resources
Edward T. Dahlin, classification specialist (deceased, 12/19/92)

Information Management Office
Jeffrey A. Penick, computer clerk

Planning Division
Bryan A. Rieger, biological aid



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