WSUL/DALNET AUTOMATION PROJECT

Progress Report
June 1989 through May 1990

During the past year, the Wayne State University/DALNET site has concentrated on implementing the NOTIS Library Management System (LMS) for its twelve member libraries. The bibliographic database has grown 50 percent, from 2.4 million records in June 1989 to 3.6 million in June 1990. Last year at this time there were 378 dedicated terminals; this year there are 630, an increase of 66% in our network. Out of a total of 53 buildings housing our twelve autonomous libraries, 30 are operating the online catalog and most have circulation running, too. With five LMS modules to implement for 12 libraries, there are 60 modules, total, to get into "production." As of June 1990, there will be 48 modules in production; DALNET will be 80% implemented.

Database Loading

In the past year, all DALNET databases grew significantly. The bibliographic databases had these major additions:

- Serials records were added for Beaumont, Children's, and Harper Hospitals, and DPL's serials records have been test loaded;
- Initial monographic database loading was done for Oakland County Library—Law Division and for Oakland Community College;
- Records for Wayne State's GPO depository holdings from 1976 to date were loaded, and GPO records for Oakland University and the Detroit Public Library are in the queue for loading this summer.

The shared authority database grew to 718,474 records, an increase of over 150,000 records from last year. Unique LC name and subject authority records were added matching bibliographic records for Macomb Community College, the University of Detroit, Oakland Community College, Detroit Public Library's serials and GPO databases, and the Wayne State Kellogg-funded retrospective conversion project.

The shared patron database grew to 175,742 records. Libraries regularly updating the patron database via tapeload now include Wayne State, Oakland University, Wayne County Community College, Macomb Community College, and the University of Detroit.

NOTIS LMS Implementation

Last year at this time, DALNET libraries had 29 NOTIS LMS modules in production. This year, 48 will be in production by the end of June—an increase of 19 during the year. Five sites are fully operational, with all five modules—cataloging/authority, online catalog, circulation, acquisitions, and serials control. The five libraries are: Wayne State, Oakland University, Beaumont Hospital, Botsford Hospital, and Children's Hospital.

These modules were implemented at the other DALNET libraries:

- Detroit Public Library—online catalog and circulation in four branches by the end of June;
- University of Detroit—online catalog, circulation, and serials control;
- Oakland County Library-Law Division—online catalog and acquisitions;
- Macomb Community College—online catalog and circulation;
- Harper Hospital—cataloging/authority and online catalog;
- Oakland Community College—cataloging/authority, online catalog, acquisitions, and serials control.

Central Site Support

To enable the database growth and telecommunications network expansion this year, and to provide improved operational support for DALNET's production environment, several central site improvements were made:

- An IBM 3725 front end processor was installed, adding 80 lines of capacity to the telecommunications network;
- Two double density disk drives were installed, bringing the total storage capacity to 30 gigabytes;
- New software was installed that significantly reduced the time to do nightly backups;
- Staff in network control was increased to provide telecommunications support during evenings and weekends and staff in computer operations was increased to add night shifts on Friday and Saturday;
- Front end to front end telecommunications hookups were installed for Macomb and Oakland Community Colleges;
- Distributed printing of NOTIS batch products is now operational for five DALNET libraries: Oakland University, Botsford Hospital, Beaumont Hospital, Detroit Public Library, and Macomb Community College;

- Systems software was upgraded to current releases, including CICS 1.7 and VPS 5.0;
- A third librarian position for the DALNET office was created, and will be filled this summer.

NOTIS Software

Keyword/Boolean indexes were made operational for the Wayne State database in November 1989 on selected public and staff mode terminals. Keyword searches account for between 3% and 4% of DALNET's LUIS searches.

NOTIS GTO software for the OCLC transfer was implemented at Oakland County Library—Law Division. DALNET is waiting for the next release of GTO to solve problems with use by multiple libraries.

NOTIS Library Management System Release 4.6.1 was installed in production on June 1, simultaneously with the upgrade to CICS 1.7. Training staff to search the new Merged Headings Index will take place this summer.

Other Projects

Management options for a shared authority database were studied this year, with the help of a specialist from NOTIS. Options ranged from completely centralized to partially decentralized control. A partially decentralized model was selected and is being implemented this summer.

Additional standards documents were adopted this year, including those for acquisitions data, patron records, provisional records, minimal level cataloging, unlinked items, and course reserves statements.

Keyword indexes across multiple processing unit databases are still a high priority enhancement for DALNET. One promising solution was tested but did not work. Other solutions are being actively explored.

The Multiple Database Access System (MDAS) was evaluated this year, including a site visit to the University of Michigan and a demo at Wayne State by NOTIS marketing staff.

Additional reports were developed this year, including a new titles/accessions list, a list of serials/standing orders by fund, and monthly summary-level LUIS statistics.

Conclusion

Our NOTIS site is getting more "mature," and in the coming year we will begin to focus increasingly on improving operational support for, and developing enhancements to, the Library Management System, on the potential expansion of our system to include commercial indexes, and on resource sharing issues among us.

Submitted by,

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