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Adding a New Dimension: E-Books

Terry Ballard

Gill Library, College of New Rochelle, tballard@cnr.edu

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by Terry Ballard

The next link in the online library evolution is already here

OPACs have come a long way. When I first started working with them in the early 1980s, they were, literally, "electronic card catalogs." The information in them was derived from the data used to print catalog cards. The most important difference was that the card catalog showed only information about book titles in general. The OPAC could tell you whether or not the book was checked out and, if so, when it was due to be returned.

For a time, the two systems coexisted at my library. One day, however, cards stopped arriving at the catalog and we started to concentrate on making the OPAC the prime source of information about our collection. A year or so later, the cabinets disappeared altogether, and few people seemed to notice.

By then, the OPAC had improved a bit. The biggest gain was in keyword searching. Instead of just listing data, the OPAC could combine things in a way that a card catalog never could. I could pose such queries as, "Show me every title that mentions Mark Twain and cats," and get results.

We take it for granted now, but that was very liberating in the late '80s. Not entirely liberating though, because people still had to go to the library to use the OPAC.

That started to change in the early 1990s as librarians began to see the possibilities of the Internet. Soon, students were checking the catalog from their homes or dorm rooms. Librarians were learning that by adding large fields of contents notes, their users could find short stories or even songs in large anthologies—benefits that were impractical with the card catalog.

With the advent of the Web came a quantum leap in OPAC functionality. Not only could we control the look of the catalog, but we could now use the OPAC as a jumping-off point to get to other information sources. The term "virtual library" came into vogue in the early '90s, and OPAC technology by the end of the decade was making them a reality as thousands of titles showed up on the Web, enabling OPACs to provide links to them.

The preceding may seem like a lot of time spent in the past, but I think it's too easy for us to concentrate on the next program or gadget out there and lose track of the fact that we are in the middle of one big unfolding story: specifically, the ways in which we are using technology to get people to the information they need.

Back to the Future

At my library, we were aware that e-books were on the Web, but did not pursue the matter aggressively until early this year. One thing that influenced me to add e-books to our system was an improvement in our Innovative Interfaces catalog that allowed for regular, systematic checking of every link in the online catalog. While many of the e-books were mounted by substantial sites like the University of Michigan's Making of America project, others appeared to be run on some sort of scripting operation. I knew that some of these would soon disappear, so it made me nervous to have thousands of links but no reliable quality control. Knowing that I could always check validity at the push of a button, I felt it was time to go into full production of e-book links. We were going to add a brick to the virtual library.

What to Do First

I knew that we wouldn't be finding e-books of Hemingway, Steinbeck, and Faulkner. Their works are all copyrighted and unavailable (as they should be). I started with the 19th century and worked back. Using Yahoo!, I found a page devoted to Dickens that led to links by a company called Bibliomania.com. It's hard to tell what Bibliomania is all about, because its Web site gives no history of the company nor any means to contact it. On the other hand, it has a stunning collection of available literary classics, including the complete plays of Shakespeare.

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The richest link to date has been a site maintained by the University of Pennsylvania that indexes the e-book content of the Web by title or author. Its virtual library OPAC can be found at http://digital.library.upenn.edu/books/authors.html. It brings together e-books from Project Gutenberg, Making of America, Bibliomania, and others. Sometimes, a literary classic will have up to three sites with separate editions. Some of my favorite e-books are from the University of Virginia's virtual library, which includes scans of each illustration in a book.

After a month, we had linked to the major classics, and we now had e-books of Twain, Hardy, and Plate that our students could access 24 hours a day from any location. This linking project went quickly because the mechanics are quite simple.

First, we added an 856 field to the MARC record of the book (most of this was done with macros). Then, we copied and pasted the URL (see Figure 1). In the Webpage display (see Figure 2), the patron sees the standard bibliographic data, followed by a link to access the entire work.

For the next phase of the project, we targeted a particular area: a microfiche collection of 19th century American works called the Library of American Civilization (LAC), which consists of more than 4,000 books of original source material. The problem is that the format is a cumbersome microfiche that requires a special reader. We'd had many students ask about these works because they are in the OPAC, but as soon as they see what they're dealing with, they go on to something else. If we could get digital links to these titles, that would solve a big problem. In the initial phase of our linking project, we ran across major works such as Booker T. Washington's Up from Slavery in the Penn list—books that were also in the LAC collection.

I gave a student a printout with the titles of every book in the Library of American Civilization collection, and asked her to check those titles against the Penn list. We found enough matches to keep us busy for a time. We noticed that a high percentage of the matches were e-books provided by the University of Michigan's Making of America. I wrote the University of Michigan and asked if it was deliberately targeting LAC titles. Judy Avinery, a librarian who manages the Making of America project, responded:

"Making of America is listed as American social history, 1800-1899. Another librarian and I decided the books to be included in this first phase from a printout of all our library's American imprints from that period. We just used our judgment as to what constituted social history. I suppose it shouldn't be surprising that there is overlap with the LAC collection, but we didn't use their list.

"We've now moved into a new phase in which a larger number of books are being scanned with the only criteria this time around the date range and American imprints.

"This is, by the way, as its core a preservation project that is investigating how digitizing can be an alternative to microfilming for brittle books. The project was funded through a joint grant with Cornell."

We can only hope this is a trend that others will follow. For the real pioneering effort, though, you have to go back to 1971, when Michael Hart came up with the concept that became Project Gutenberg. He was intrigued by the idea that once a book had been digitized it could be reproduced infinitely. The first document he digitized was the Declaration of Independence. Since then, Hart and a band of dedicated volunteers have digitized more than 2,400 titles, and distributed them through a network of mirror sites. New e-books are appearing at the rate of one per day. For the whole story (and links to the works) you can go to Project Gutenberg's main site at http://promo.net/pg.
3M to Donate Library Detection Systems to Schools

3M has announced the launch of "3M Salute to Schools," a program providing up to $1 million in 3M Detection Systems to school library media centers in the U.S. The program is being sponsored by 3M, in partnership with the American Association of School Librarians (AASL), a division of the American Library Association. AASL will be responsible for receiving applications and selecting recipients for the donation.

"3M is ecstatic about being able to bring more 3M Detection Systems into school library media centers. Without a security system, libraries lose hundreds of books and other educational resources every year," said Don Leslie, industry marketing manager at 3M Library Systems. "A security system is crucial to protecting the resources that enhance education and help create a stimulating learning environment for students."

"Protecting library resources in schools contributes to the overall improvement of library media services for young people, and that's what AASL is all about," said M. Ellen Jay, president of AASL. "AASL is pleased to partner with 3M to help school libraries preserve these resources for students throughout the country."

The program is open to middle and high schools in the U.S. Schools selected to receive the donation will be awarded a 3M Detection System for the entrance/exit of their media center, a supply of 3M Tape-Tape Security Strips for marking items in their collection, and necessary materials-processing accessories. Individual donations will vary depending upon the needs of the library.

Schools must apply by May 31, 2000. Applications are available online at http://www.3M.com/library or by calling the American Library Association's Fax-On-Demand at 800/545-2433, pressing 4, and requesting document number 802. Recipients will be announced at the American Library Association Annual Conference held July 8-11, 2000 in Chicago.


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Regents, Johns Hopkins (continued from page 47)

Hopkins with valuable experience in delivering electronic collections and services to students participating in the innovative distance-learning degree programs at Regents College," said James G. Neal, dean of university libraries and Sheridan director at Johns Hopkins University. "This collaboration will serve as a model for quality academic support services through technology while preserving personal touch and professional oversight."