

Development of an Automation Program for a New Library Facility

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This poster session outlines the development of an automation program for Texas A&M's West Campus Library, a new library facility which opened in August 1994. The West Campus Library primarily serves students, faculty members, and other researchers from the College of Agriculture and Life Sciences, the College of Business Administration, and the Graduate School of Business at Texas A&M University.

From its conception, the West Campus Library was viewed as a facility which would rely heavily upon electronic access to information in order to serve its users. In order to make this vision a reality, an automation consultant was contracted to analyze the future needs of the Library and its users and to make recommendations for future action. Marshall Breeding of the Vanderbilt University Libraries visited the West Campus Library in early June of 1994. His submitted report served as the blueprint for the development of the West Campus Library's automation program.

Breeding's report emphasized several fundamentals. First, he emphasized the need to build a CD-ROM database local area network robust enough to allow the loading of a large number of CD-ROM titles and the sharing of CD-ROM data between the West Campus Library and the Sterling C. Evans Library, the main academic library at Texas A&M University. The report recommended the deployment of two local area network servers to support electronic reference services in the R.C. Barclay Reference Center, the West Campus Library's electronic reference area.

A second guiding principle in the development of the West Campus Library's automation program was the establishment of Microsoft Windows 3.1 as the operating system at the workstation level. This has permitted the use, whenever possible, of user-friendly graphical interface software for CD-ROM databases. Additionally, the standardization of Windows 3.1 has permitted the easy integration of Windows-based application software such as NetScape (World Wide Web client software) and HGopher (Gopher client software) into the network.

A third principle recommended by Breeding that the West Campus Library has followed in building its automation program is the single workstation concept. With the single workstation concept, users can access a large number of CD-ROM databases (currently 25 titles), the NOTIS online library catalog for the libraries of Texas A&M University, campus-wide databases, and Internet resources from any of the approximately 32 network workstation in the Barclay Reference Center. The single-workstation concept makes it easier for users to retrieve information by centralizing these resources at each network workstation.

In developing an automation program for the West Campus Library, the most challenging obstacle was the building of the CD-ROM local area network. Breeding's report recommended the deployment of two local area network servers. First, a Public NetWare Server, named BRCPUB, loads the search and retrieval software for the CD-ROM databases and applications software such as NetScape for all Barclay Center and Library workstations. The network operating system used for BRCPUB is Novell NetWare version 3.12. Novell's Open Datalink Interface (ODI) solution is used to provide simultaneous support for both IPX (the NetWare protocol) and TCP/IP (the Internet protocol).

A second server, named BRCINFO, is a Database Server which provides storage for CD-ROM data within its large magnetic drives. It is this element of the Library/Barclay Center network which is most innovative. BRCINFO has four 9 gigabyte drives, providing a total storage capacity of 36 gigabytes. The software used to support the Library's CD-ROM network is LanCD, version 3.1, which is produced by the Logicaft Corporation. An element of LanCD, FastCD, allows the network administrator to copy the contents of CD-ROM discs onto the Database Server's magnetic drives and to provide access to the data on these drives.

In comparison to CD-ROM networks relying upon the direct read of a CD-ROM disc, this type of network arrangement offers several advantages. First, the user sees improved network performance when accessing CD-ROM databases. The access speed for a magnetic disk drive is approximately 10 milliseconds, compared to an access speed for a quad speed CD-ROM drive of 150 to 200 milliseconds. Second, the use of magnetic disks for CD-ROM access provides flexibility because the limiting factor for loading CD-ROMs is the amount of space available on the Database Server disk drives, as opposed to the number of CD-ROM disc drives in a tower or similar configuration. Assuming an average CD-ROM disc data content of 400 MB, the Barclay Center's Database Server has a working capacity of 90 CD-ROM discs.

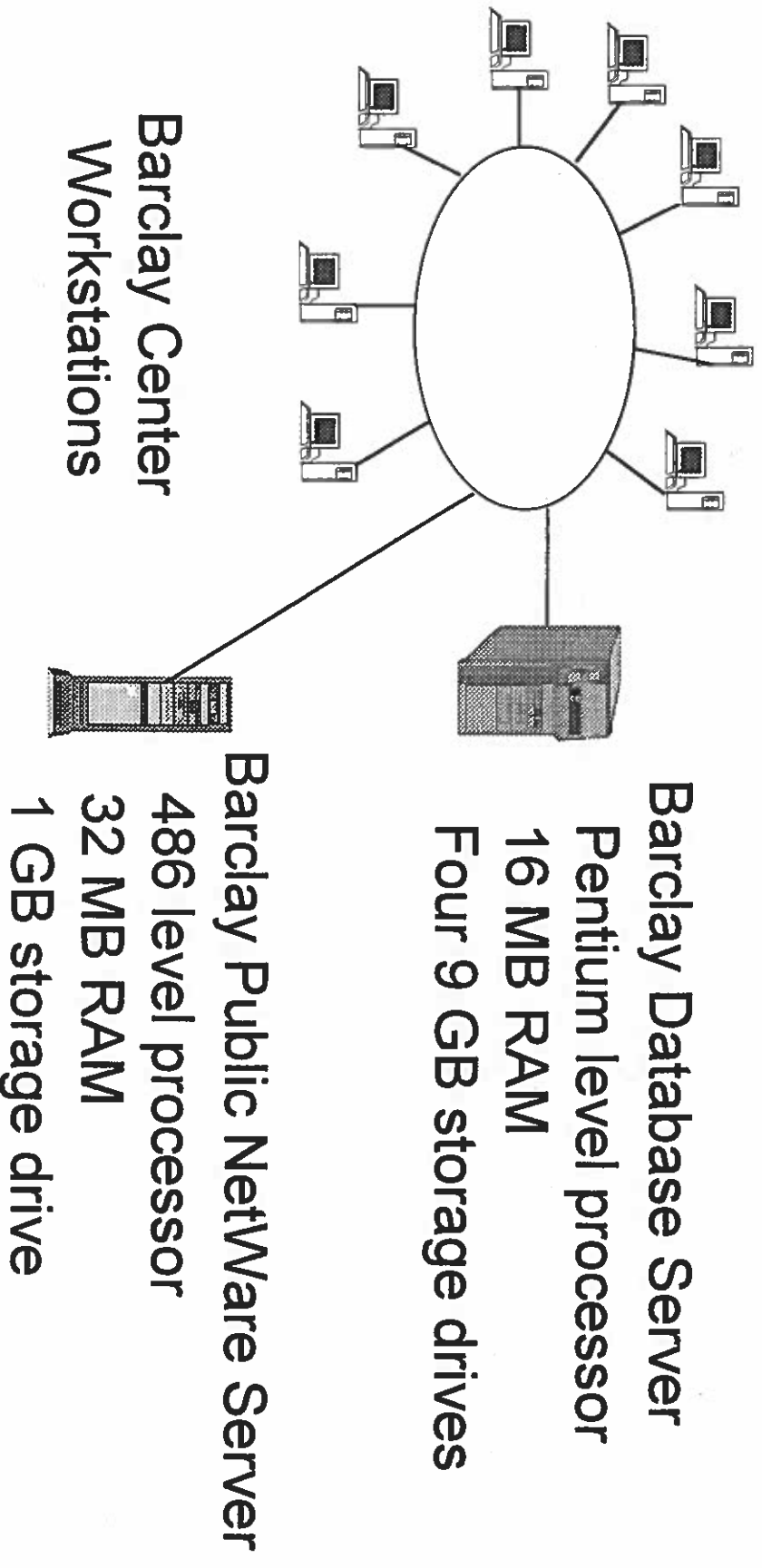
A CD-ROM network arrangement mirroring the one which now serves the West Campus Library's Barclay Reference Center is currently being built in the Sterling C. Evans Library. When completed, the framework will be in place for CD-ROM database sharing between the two campus buildings. The existing campus computing infrastructure, which is based upon FDDI (Fiber Distributed Data Interface), makes multiple building networking a viable option. With Evans Library CD-ROM databases available at the West Campus Library, the information resources available to West Campus Library users will be greatly expanded by broadening the scope of CD-ROM database coverage beyond its current emphasis in the business and agriculture subject areas.

This CD-ROM network serves as the foundation for the West Campus Library's automation program. Several other resources employed in the Library's Barclay Reference Center are worthy of note. Business Periodicals Ondisc, produced by UMI, is a database which provides full-image access to approximately 400 business and business-related journal titles. This database strongly supplements the West Campus Library's print format subscriptions and allows the user to perform his or her research more quickly and effectively. Currently, the Barclay Reference Center has two stand-alone workstations which are dedicated to providing access to Business Periodicals Ondisc. Twenty-one inch monitors were purchased for each of these workstations in order to permit the user to display a full, readable image onto the screen.

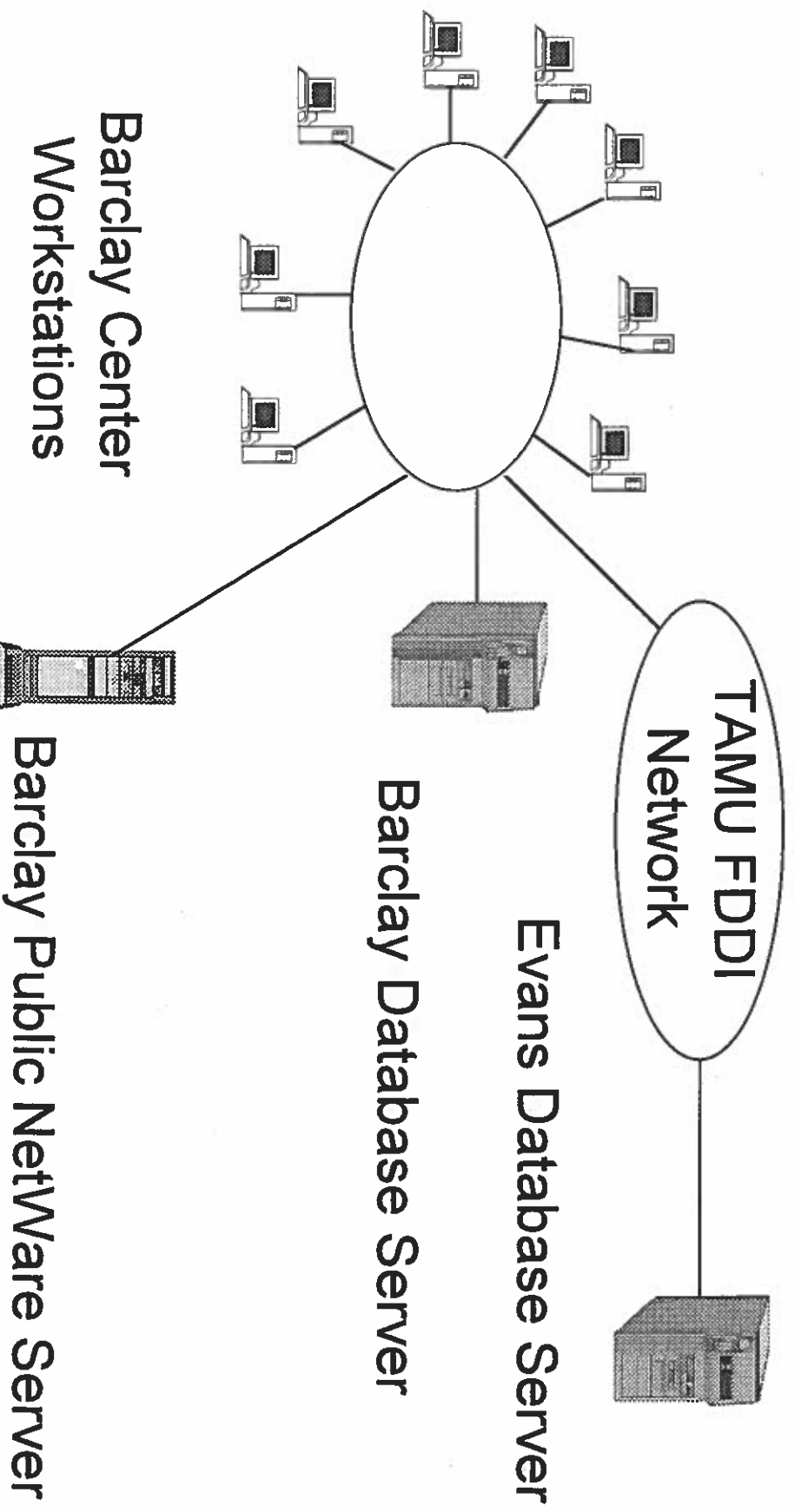
Additionally, students and faculty members who are within the permissible user categories of Dialog's Classroom Instruction Program and Mead Data Central's Lexis/Nexis Educational Program may use these information services in the Barclay Reference Center. Access to Nexis, for example, provides students performing research on classroom assignments with access to a wide range of current periodical information not otherwise available in the West Campus Library. The Dialog Classroom Instruction Program provides its users with access to over 300 Dialog databases covering a wide range of subject areas, including a significant number in the business and agriculture subject areas.

In conclusion, the West Campus Library is a facility which today provides its users with access to a wide and expanding range of electronic resources. The Library's automation program is founded upon the employment of a robust CD-ROM network which permits a large number of CD-ROM databases to be loaded and multi-building networking. These CD-ROM databases, along with the library catalog, campus-wide databases, and internet resources are brought together and provided to Barclay Reference Center users from any of its network workstations.

The Barclay Center's CD-ROM Local Area Network



Accessing Evans Library Databases from the Barclay Center's CD-ROM Local Area Network (Proposed)



POSTER SESSION III: Sunday, June 25, 1995, 11:00am - 12:30pm

**POSTER SESSIONS ON TECHNOLOGY, INFORMATION REFERRAL
SERVICES, INDEXING, & SOCIAL ISSUES**

III - 1 Development of an Automation Program for a New Library Facility.
ALAN CORNISH*. Texas A&M University, College Station, TX.

This presentation outlines the development of an automation program for Texas A&M University's West Campus Library, a new library facility which opened in the summer of 1994. An automation plan for the facility was submitted by a consultant, Marshall Breeding of Vanderbilt University, in June 1994. This plan served as the foundation for the West Campus Library's automation efforts, most importantly the development of the library's CD-ROM local area network. This network relies upon the unpacking of CD-ROM data onto large magnetic drives. This presentation will also show how the West Campus Library's automation program fits into the overall automation efforts of the Texas A&M libraries.

III - 2 Electronic Submission of Course Reserve Requests. WARNER GRANADE*
and MARIE IRWIN. University of Virginia, Charlottesville, VA.

The Reserve Unit investigated ways faculty members might electronically submit reserve reading requests. After examining various options, the Reserve Unit decided to make this service available within the Library Services directory of the University Gopher. A Reserve Request Service section was designed. This section is made up of a menu from which users can select options to submit reserve requests, review the Library's reserve policy, review the University's copyright policy, find answers to frequently asked reserve questions, or communicate directly with the Reserve Unit. The option for submitting reserve requests presents the user with a form asking for the specific information necessary to process reserve requests. After completing this form the user selects an option to submit the request. This reserve request is then reformatted to meet the processing needs of the Reserve Unit and sent on to its electronic mail account. When reserve requests are received they are downloaded, printed, and processed. This poster session will describe the design and implementation of this electronic service along with its reception by faculty members.

11 a.m.-12:30 p.m. **PS.** ALAGOAL
MCC-Exhibits, Aisle **2000**

ALA Poster Session Committee
**Poster Session III—Sessions on
Technology, Information Referral
Services, Indexing and Social Issues**

III-1: "Development of an
Automation Program for a New Library
Facility"—Alan Cornish, Texas A&M
Univ.-College Station.

III-2: "Electronic Submission of
Course Reserve Requests"—Warner
Granade, Marie Irwin, Univ. of
Virginia-Charlottesville.

III-3: "UNC Libraries Expressway:
Library Services by Computer"—Lisa
Blankenship, Jane Smith, Univ. of
Northern Colorado-Greeley.

III-4: "What Do They Do With All
Those Printouts?: Measuring CD-ROM
Satisfaction After Searching the Stacks"—
Corrine Ebbs, James Madison Univ.,
Harrisonburg, VA.

III-5: "Help! Challenges of Creating
Useful Online and Print Documentation
in a Changing Electronic
Environment"—Karen Eliassen, Theresa
Murdock, Chris Byrne, Louise Richards,
Patty Carey, Betsy Darrah, Univ. of
Washington-Seattle.

III-6: "The K-12 Internet Connection
at Austin Peay State University"—
Deborah Fetch, Deanne Luck,
Lori Buchanan, Austin Peay State
Univ., Clarksville, TN.

III-7: "Freedom of the Press Project:
Electronic Publishing Lessons for
Libraries, Information Technology and
University Presses"—Susan Logue,
Southern Illinois Univ.-Carbondale.

III-8: "Studio in a Box: A Computer
Animation Library Instruction Video"—
Kari Lucas, Ed Totman, Univ. of
California-LaJolla.

III-9: "What Are They Doing With
All of this Stuff: An Analysis of CD-
ROM Usage Patterns"—Jan A. Maas,
Brooklyn Pub. Lib.; David A. Tyckoson,
State Univ. of New York-Albany.

III-10: "Information about Foreign
Countries and International
Organizations: Is It Available? Is It
Accessible?"—Jeannie P. Miller, Sandra
Da Conturbia, Zheng Ye Yang,
Texas A&M Univ.-College Station.

III-11: "Computer Connections and
Collaborations: Creating an Electronic
Library Publishing Program at UC Santa
Barbara"—Christine K. Oka, Univ. of
California-Santa Barbara.

III-12: "Public Library and Free-Net:
A Community Partnership Made in
Buffalo"—Jane B. Rosenfeld, George
Emery, Buffalo & Erie Cty. (NY)
Pub. Lib.

III-13: "Developing Automated
Current Awareness Programs Using
Microcomputers and Electronic Mail"—
Thomas C. Deardorff, Univ. of
Washington-Seattle.

III-14: "We Hear You 'Talking,' Even
When You Can't Come In"—Amy
Kautzman, Ed Tallent, Michael Blake,
Harvard College Lib., Cambridge, MA.

III-15: "Providing World Wide Web
Access at the Smithsonian"—Martin
A. Smith, Anne Gifford, Martin
R. Kalfatovic, Smithsonian Institution
Libs., Washington, DC.

III-16: "Who Cites Librarians: A
Citation Analysis of Library Science"—
John S. Spencer, Terry Meyer, Arizona
State Univ. West-Phoenix.

III-17: "The Role of the Rural
Library in the Delivery of HIV-AIDS
Information: An Exploratory Study"—
W. Bernard Lukenbill, Univ. of
Texas-Austin.

Prog. chair: Katherine J. Harig, Enoch Pratt Free
Lib., Baltimore, MD.

11 a.m.-1:30 p.m.
MCC-E353 A/C
LAMA Public Relations Section, Swap
& Shop Committee, John Cotton Dana
Library Public Relations Award Committee
**"Singing the PR Blues? Hit the Right
Note at Chicago Swap and Shop"**

Bag the best in PR ideas from all types
of libraries. This annual give-away of PR
materials will feature a mini-session, a dis-
play of the "Best of Show" winners, plus
table displays from library promotion,
publicity and marketing organizations
and the 1995 John Cotton Dana winning
entries. 11:15 a.m.-Noon: Mini-session-
How to Be a John Cotton Dana Winner.
Noon: "Best of Show" awards ceremony.

Prog. chair: Sarah Kelley, KY Dept. for Libs.
& Archives.

11:15 a.m.-12:30 p.m.
MCC-E450 A/B



ALA
Council I

As the governing body of ALA,
Council delegates the authority to
divisions to plan and carry out programs
and activities in accordance with
established policy. All are encouraged
to attend this open meeting.

11:30 a.m.-12:30 p.m.
HIL-PDR 2
ALA Library Research Round Table
Research Forum I

Papers, followed by discussion, that
emphasize significant problems or find-
ings in library and information studies.

Speakers: Diane Nahl, Violet H. Harada,
SLIS, Univ. of Hawaii-Honolulu, "Search Query
Worksheets in Boolean Instructions for High School
Students: Effects on Comprehension and Self-
Confidence;" Marie Radford, Sarah Byrd Askew
Lib., William Paterson College, Wayne, NJ,
"Communication Theory Applied to the Reference
Encounter: An Analysis of Critical Incidents."
Prog. chair: Barbara Kwasnik, School of Info.
Studies, Syracuse (NY) Univ.

DRK-Drake Hotel; EMB-Embassy Suites; FAIR-Fairmont Hotel; HICC-Holiday Inn City Centre;
HIL-Chicago Hilton and Towers; HYAT-Hyatt Regency; IC-Hotel Intercontinental; MAR-Chicago Marriott Downtown;
MCC-McCormick Place; PALM-Palmer House Hilton; STF-Stouffer Riviere; SWIS-Swissotel; WSTN-Westin.