E-Berkeley Proposals
The Library

February 13, 2001

The Library provides a wide range of electronic resources services to the campus, including over 4,000 electronic journals, digitized archival and special collections, maps, government information and many more digital formats. These resources are provided through a number of services that must be integrated in the Web environment and include our online catalog, the Library's website, the UC union catalog, the CDL Directory, electronic reserves, the UC Berkeley Digital Library SunSITE, etc.

The Library is submitting three E-Berkeley proposals that are designed to extend our Web presence and to provide and integrate services that will benefit the campus community. These projects are listed below in priority order.

1) PUBLIC ELECTRONIC ACCESS SYSTEM SUPPORT

Project Description: The Library supports many systems for public access, including: Pathfinder, our Web-based online catalog; Gladis, our text based online catalog; the Library Website; E-Res, our electronic reserves system and the Digital Library Sunsite. Over the years, these systems have evolved incrementally and independently, resulting in a situation that is often confusing to our end-users. The Library currently has a committee, including a faculty member and graduate student, that is investigating the cause of these problems and suggesting principles for integrating and simplifying these systems. What the Library lacks is the ability to devote a full-time staff member with the proper expertise to plan and implement new user-interfaces and services based on these principles. Therefore, the Library is requesting a new, full-time, permanent position to be responsible for the ongoing design and integration of the library public access systems with each other, as well as with the emerging E-Berkeley Web presence.

Estimated Ongoing Cost: $53,000 per year - One full-time, permanent Associate Librarian IV

2) WEB-BASED DOCUMENT DELIVERY FROM THE NRLF

Project Description: Create a web-based electronic document delivery operation at Northern Regional Library Facility (NRLF) serving Berkeley faculty and graduate students. Document requests such as journal articles and chapter excerpts from books would be scanned and placed on the Web, where they would be accessible for a pre-determined period of time. Users who've requested these documents would be e-mailed the appropriate URLs and would then view, download or print these documents from their Web browser.

This process benefits our faculty and graduate students by offering a faster and more convenient method of retrieving journal articles, chapter excerpts, etc., from the remotely housed collections at NRLF. They will be able to request and receive these materials online, without having to visit

a library. Web-based document delivery from the NRLF is an important step toward making the remotely sorted materials more accessible to our users.

It also benefits the Library staff by eliminating the labor associated with receiving, shelving, circulating, and discharging volumes from the NRLF that users would have requested if a Web document delivery service had not been in place. The Library also benefits when electronic document delivery is web-based, since the service requires no mediation by library personnel.

Estimated Cost: The Library estimates that in the first year at least 33% of requests from subject specialty libraries and 25% of requests from Doe/Moffitt Circulation and East Asian Library could be filled by Web document delivery. Therefore the NRLF would require the capacity to scan a minimum of 9,850 per year.

One-time Equipment Cost:

2 – Minolta PS 7000 scanner: $32,000
2 – PC Workstation w/ 21" monitor: $4,000
Note: This equipment has the capacity to produce up to about 20,000 electronic documents per year when used full-time.

Ongoing Costs: 1.0 FTE LA II: $25,600/yr. (For scanning at NRLF)

3) INFORMATION LITERACY VIA ONLINE TUTORIALS

Project Description: The UC Berkeley Library reaches many users through face-to-face classroom instruction, helping them to understand and use the rich yet complicated resources of the Library. While these programs are very successful, we lack the training facilities and staff to scale these classroom experiences to reach a greater number of students.

An efficient way to extend our reach and ensure that new students and novice users of the UC Berkeley Library gain mastery over some basic library concepts, searching techniques, and broader knowledge of the databases available to them is to train them via information literacy web-based online tutorials. In using self-paced Web tutorials, many students can be reached at one time; they can work remotely from residence halls and off-campus venues, from campus computing labs, and the libraries. Class time for this kind of learning is not taken from faculty, and greater numbers of students can be reached, including the expanded undergraduate population of 4,000 or so students expected to come to the campus within the next few years.

Tutorials can be created that address point of need questions, such as receiving zero results in searches, and basic searching concepts such as Boolean or combined searching, searching indexes, understanding controlled vocabularies, and using truncation in constructing searches. Such tutorials could be used in courses such as College writing, large lower division feeder courses, as stand alone courses, and as one-unit adjuncts to other courses. (One example of such a tutorial is that used at CSU San Luis Obispo: http://www.lib.calpoly.edu/infocomp/index_calpoly.html; another at Ohio State: http://gateway.lib.ohio-state.edu/tutor/ There are many such examples nationally.)

It will be important, as the information environment expands, to efficiently teach some searching techniques remotely, so that library staff can be reserved to teach higher level skills in the context of classroom research.

Estimated Ongoing Cost:

Proposed ongoing staffing for such a project would include the following

.5 Librarian Project Leader	$ 28,000
.5 LA V Programmer	26,000
.25 LA V content provider	13,000
.25 Librarian content provider	14,500
Graphic design consultation	1,000
Subtotal:	$ 82,500
Usability testing costs:	2,000
Total Ongoing Cost:	$ 84,500

Note, in preparation for such a project, the Teaching Library has already purchased Dreamweaver, Fireworks, Flash & Coursebuilder software.