

**Initiative to Improve Teaching,  
Research and Service:**

# **Proposal for a University of Tennessee Digital Library Center**

**Total Amount Requested:**  
**\$1,996,000** over five years

**Faculty Directors:**

James B. Lloyd, Special Collections Librarian  
and Chair, Digital Library Committee  
James D. Hoskins Library  
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865-974-4304

March 15, 2001

# Proposal for a University of Tennessee Digital Library Center

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## Abstract

The Digital Library Committee proposes the formation of a Digital Library Center (DLC) for Excellence and requests \$1,996,000 over five years for that purpose. Such a Center, as conceived in this proposal, would address all the priorities set forth in the current Initiative to Improve Teaching, Research, and Service. Because digital access crosses boundaries, it would encourage interdisciplinary and cross campus research, teaching, and service. It would build on the existing academic strengths which have propelled the library into several national digital initiatives. And it would improve teaching and learning not only through innovative curricula, but also through the pervasive access to data.

The proposed DLC would be an investment in the entire academic community with an interdisciplinary focus at its core. It would foster the creation and use of digitized collections and resources of interest to the university community. It would be a library-wide initiative in partnership with faculty from a wide range of disciplines. Activities of the Center would include acquisition of digital collections, electronic publishing, digitizing of unique research materials, providing access to digital collections, and facilitating the integration of digital resources into core teaching and learning. It would provide a framework for all collections of digital information acquired or created by the Library or other campus units and would leverage the University's investment in technology by serving all campuses of the University (we will need to involve the libraries at Memphis and Tullahoma), the libraries and laboratories at ORNL and, potentially, all citizens of Tennessee. The expertise and facilities are already present within the Library, no new faculty would be required, and the potential for external funding in the next ten years is tremendous. Digital libraries have been identified as a National Challenge in the Information Infrastructure Technology Applications component of the U.S. High Performance

Computing and Communications Program, and the National Science Foundation's Phase II of the Digital Library Initiative just awarded 50 million dollars to twenty-two academic institutions.

Since twenty-three of the top twenty-five National Science Foundation (NSF) institutions have digital libraries, and fifteen are leaders in the field, the DLC could be a critical part of the University's quest to become one of the top twenty-five academic institutions. It would facilitate the integration of technology into the curriculum and support distributed education. And it would complement the University's strategic priorities by supporting all of the large and small centers that are being created in ways that are not currently possible. Besides allowing for the creation of customizable scholarly portals for researchers and the integration of digital resources into core teaching and learning, a Digital Library Center could add value to the research produced by the other centers by providing access to the data far beyond that possible with a simple Webpage.

## Mission Statement

The DLC will be a catalyst for change by creating the organizational and technical building blocks that allow the campus to conceive of new ways of creating, accessing, and applying information resources to research and teaching. It will select, produce, and maintain a wide range of networked resources for scholars and students at UT and elsewhere. It will collaborate with University information technology professionals and research faculty to capitalize on institutional capabilities by focusing University resources on digital library projects that support the teaching and research of UT faculty, support the learning and research of UT students, and foster research about the digital library.

## **Center Concept: Cross Campus and Interdisciplinary**

In the winter of 2000 Interim Dean Aubrey Mitchell appointed a committee to examine the feasibility and advisability of establishing a digital library program, partly in response to the proliferation of digital material being acquired by the Library, and partly because the Library had already set up a small digital production facility using funds from an Institute of Museum and Library Services National Leadership Grant. This campus-wide committee now asks that the University consider establishing a Digital Library Center as part of the Initiative to Improve Teaching, Research, and Service, and to that end requests \$1,996,000 over five years.

Such a Center functions within the existing Library and becomes an integral part of it. Reference staff provide patron assistance to students, faculty and others to access resources electronically wherever their workplace may be. Purchased collections are recommended by Collection Development staff, and access to digital material is coordinated through both Library Systems and Cataloging. All collections are available through the Library's online catalog or via the Web.

All students, faculty, and researchers would benefit in a variety of ways because the digital format broadens and deepens access exponentially. All of the digital library content would be available to any number of authorized users at one time, no matter their location. Materials would be available for distance research and distance education. Access to digital content could be provided in ways that are simply not possible in the traditional environment. Text can be available fully searchable through natural language, multimedia can be nested, references can be linked to other references, reference tools can be digitized and used to organize digital collections, etc. A digital library serves all of the constituents of the University in new and better ways by enhancing the research potential of University faculty on all campuses while also serving the needs of distance education.

Perhaps some examples would illustrate how this might work. All digital libraries have three kinds of content: content they simply provide access to, content already in digital form that they buy and enhance, and content they create. The Library Without Walls (LWW) at the Los Alamos National Laboratory is a good example of the integration of content already in digital format into an existing research library collection. The LWW licensed the ISI Science Citation Index

database and developed a Web front-end interface, thus creating SciSearch, an international index to journal literature in science and technology. This database, which is now commercially available and which the Library currently subscribes to as WEB OF SCIENCE, contains 16 million citations spanning 1974 to the present, to which the LWW has linked over 200 million cited references and automatically created over 95 million hyper-links. Or, to use an example closer to home, one may search the psychology page from the University of Georgia, which yields all types of digital material served from a database and presented to the user in a customizable manner. Such searches are not possible without the front end metadata on which they depend.

The Library is currently engaged in several local content projects. One is an attempt to introduce original documents into the K-12 classroom. With the support of two one year grants from the Institute of Museum and Library Services, library staff are scanning, transcribing, and providing access to original documents and images having to do with the Five Civilized Tribes in Tennessee and Georgia in the early nineteenth century. The database of the first years' work, which also contains material from the Tennessee State Library and the McClung Museum, is now searchable and mounted on Galileo, Georgia's statewide online library system (<http://galileo.peachnet.edu>). Another is to mount and make searchable digital surrogates of various kinds of locally held material, photographs from a manuscript collection, full text theses and dissertations, and geospatial data about the Tennessee River Gorge.

## **Coincidence with the University's Research Agenda**

A Digital Library Center fits well into the University's research agenda because it has the potential of enhancing both the resources available for research and the opportunity to compete in an emerging field in which the University already has a considerable investment. The DLC will exploit UT's advanced networking/Internet2 infrastructure, and its connectivity to regional and national high-speed networks. Access to high speed networks, in fact, is critical to digital library activities. The Library, to this point, has not been positioned to fully avail itself of the advanced networking capabilities to which UT has access. With the creation of a DLC, and the development of Internet2 digital library

applications, UT will have a foundation on which to pursue and secure any future NSF funding in the high speed networking application arena, an area in which IT professionals on campus have considerable interest and expertise.

A Digital Library Center would enhance all Internet2 projects while offering a laboratory for faculty in information technology and information science to participate in new and exciting developments in a field that is rapidly evolving. It supports the whole University, not just the Knoxville campus because in the digital world it makes no difference where one is located as long as one is authorized to use the material. And perhaps most importantly a digital library would be a wise investment because whatever direction the University's research agenda takes in the next five years, the resources needed to support it are going to be increasingly digital.

More specifically, the DLC could take the research data and scholarship produced by the other UT centers on whatever campus, repackage it in a Web accessible and searchable manner, and provide it as a persistent resource. The Howard Baker Center recently funded by a federal appropriation of six million dollars, is slated to have a strong digital component. Besides mounting the text of Baker manuscripts, the DLC could publish the text of articles and presentations sponsored by the center, or publish scholarship on demand to facilitate background reading for practitioners who are to meet with scholars in workshops. Or the DLC could disseminate the data generated by the Center for Genomics and Bioinformatics in a systematic manner that would insure distribution to interested scholars. The announcement for this center simply said that the data, as it is produced, will be made available on the centers' Web site. If this occurs, only those who know where to look will find it. Through the addition of metadata (searchable data about digital objects) the DLC could provide access in a way that would allow the data to be found quickly and easily with a simple Web search.

### **Existing Expertise in the Proposed Area**

Almost all digital libraries grew from a project, usually grant funded, and most have relied on an existing center to get started. The University's Digital Library Center would be no exception, since library staff began to acquire the necessary expertise due to a grant in which the Library is a partner with the University of Georgia. Grant staff went to the University of Georgia, which has a mature digital library program (indeed,

they have just hired a director of the Digital Library of Georgia). There they began to learn how to use the appropriate hardware and software to produce, mount, and provide access to digital items by means of metadata (data about data). They are now experienced in applying Standard Generalized Markup Language (SGML) tagging using the Text Encoding Initiative (TEI) document type definition (DTD).

In the fifteen months since that time, a number of developments have positioned the library to better pursue the digital initiatives outlined in this proposal. Staff have acquired considerable expertise, and have given national presentations at Educause and the Digital Library Forum. They traveled to the Online Computer Library Center (OCLC, the bibliographic utility that the Library uses for cataloging) to become certified in CORC (OCLC's experimental project to add digital items to their MARC-based online catalog using the Dublin CORE, an emerging international standard for Web access). They traveled to Washington D.C. to be certified in XML, an emerging SGML standard which seems likely to fuel the next iteration of the Web as HTML did the first, and to Rare Book School at the University of Virginia to learn another DTD, the Encoded Archival Definition (EAD), which is used to make manuscript finding aids searchable.

The library, with support from Dean Barbara Dewey, has participated in an international digital experiment, the Open Archives Initiative, which is sponsored by the Digital Library Federation and the Mellon Foundation. This project experiments with metadata harvesting and protocol. The library, in partnership with staff from the campus SunSite, was one of two university libraries in the country to successfully participate in the alpha test of the format and protocol. The project is now in the beta test phase, and the library is participating in that as well by adding records in various formats to its OAI compliant site. Presentations about this effort have been accepted at two more national conferences, Electronic Theses and Dissertations 2001, and the Joint Conference on Digital Libraries sponsored by the Association for Computing Machinery and the Institute for Electrical and Electronics Engineers Computer Society.

The dean has supported digital initiatives by funding the acquisition of XPAT, the software that provides access and collection management for most digital libraries; by providing a thirty gigabyte server on which to run the software; and by an additional faculty position, a Digital Initiatives Librarian, who will be the system administrator for it, in addition to

possible involvement in such other current digital projects as the following:

- The repositioning of the AudioVisual Services to support digital multimedia creation and access.
- Online Reserve, digital document delivery, and online reference.
- Liaison with the new Digital Media Service unit, a digital drop-off service for faculty provided by a DII-Library partnership.
- Creation of a database-driven Web site in which HTML pages will be created on the fly in response to database queries.
- The geospatial metadata project funded by the Federal Geospatial Data Commission.
- The Howard Baker Center, which, as planned, will have a digital component.

These, however, are not the Library's first forays into the digital world. It was a partner in the very first academic digital experiment, the DocuTec project, funded partly by IBM in 1993, and the project which spawned digital libraries at many participating institutions (like Berkeley, the University of Michigan, and Cornell). Then in 1995 the Library began two digital initiatives. It acquired a license for *Current Contents* and partnered with the Office of Academic and Research Services to develop a Web interface to access the data, a service only recently replaced by WEB OF SCIENCE. And it became a founding member of the Digital Library Federation (DLF), a consortium of fifteen research libraries (including Columbia, the Library of Congress, Cornell, Emory, Harvard, Princeton, Stanford, Yale, and the University of Michigan), whose goal is the formation of "a system of independent, distributed repositories for digital works."

With this experience the Library is now well positioned to lead digital information initiatives. During the past five years the Library collection of electronic resources has grown to include commercial databases and local guides to important Web sites. The Library database menu now contains over 200 titles. Librarians spend about 17% of the materials budget on electronic resources, and have considerable experience in negotiating contracts and providing online access.

Among the strengths of the Library database collection is bibliographic access to resources in virtually every discipline; full-text of journals in general and business subjects; and provisions for self-service article retrieval from journals not held by the Library. In FY 99/00 the Library leveraged state

and endowed funding to subscribe to the unique WEB OF SCIENCE citation indexing service. Progress toward acquiring needed electronic resources has been delayed, however, due to inadequate funding. An estimated \$1 million in start-up and \$500,000 in ongoing funding would be needed to provide digital collections that have already been identified by subject librarians. Funding for a DLC would begin to address this need.

## Potential for External Funding

The potential for external funding for digital libraries in the next ten years is tremendous, partly because they can benefit almost any field of study. Federal funding possibilities exist from the Institute of Museum and Library Services, but almost every federal agency or program has a digital library initiative, including the NSF, NASA, NLM, DARPA, NEH, the FBI, and the Library of Congress. Each agency funds programs on its own, and the group jointly sponsors the Digital Libraries Initiative, Phase II of which just awarded 50 million dollars to twenty-two academic institutions, all of which had a digital library.

The leaders in the field, like Berkeley (\$5.4 million), Columbia (5 million), Stanford (\$4.8 million), and Cornell (\$2.25 million), received the larger grants. However, the University of Kentucky received \$500,000 for the Kentucky digital library, the University of South Carolina received \$1,200,000, and Georgia State got \$300,000. One goal of a DLC research agenda would be to position UT to participate in digital library development, as would behoove a top twenty-five university and to make UT competitive in the next phase of the Digital Library Initiative. The DLC could serve as a platform for Library/School of Information Science (SIS) collaboration on information science research, thus helping both secure external funding and supporting the academic mission of SIS.

The President's Information Technology Advisory Committee released a report in February of 2001 which recommends that the federal government support expanded digital library research and establish large-scale digital library testbeds. Digital libraries have been identified as a National Challenge in the Information Infrastructure Technology Applications component of the U.S. High Performance Computing and Communications Program. National Challenges are fundamental applications that have a broad and direct impact on the Nation's competitiveness and the

well being of its citizens, and that can benefit from the application of HPC technology and resources. A primary goal of this national initiative is to establish better linkages between fundamental science and technology development, which directly supports the National Information Infrastructure.

To date, the library has participated in three successful grant projects which have resulted in \$386,000 in research funds, with another project for \$230,000 still pending. The successful projects are as follows:

- “Southeastern Native America Documents, 1763-1842,” funded by the Institute for Museum and Library Services in 1999 for \$179,000.
- “Southeastern Native American Documents, 1730-1842,” funded by the Institute for Museum and Library Services in 2000 for \$204,000.
- “The Cap 2000 Project,” funded by the Federal Geospatial Data Commission in 2000 for \$3,000.

## Teaching and Learning

The Library has built a strong history of offering quality instruction in the use of library resources and throughout the past decade has expanded both the content and methods of teaching to incorporate digital information resources. Library staff now seek to provide instruction for students and faculty who access resources electronically from wherever their work place may be. Today’s student or researcher encounters a vast array of information options that offer extraordinary opportunity, but are also numbing in variety and proliferation. This new environment demands that we examine teaching methods.

Educators are challenged to create new learning tools, and to no longer accept passive learning, but to encourage teaching that actively involves students in the learning process. This engagement demands a high level of information literacy on the part of the individual. The Association of College and Research Libraries defines information literacy as a general understanding of knowledge generation, knowledge access, and knowledge integration. As part of this challenge librarians must also focus on the opportunity to prepare an environment that fosters active interdisciplinary learning and assures that each student acquires the requisite skills to take advantage of digital resources and library services.

The creation of the Digital Library Center would

position the university to support the new outcomes-based pedagogy. In the digital library, reference and instruction librarians collaborate with faculty and information technologists to integrate information literacy and active learning into the undergraduate and graduate curriculum. Teaching and learning through the digital library will significantly impact the quality of education in Tennessee and our success in preparing a citizenry equipped for lifelong learning in the digital world.

Possible outcomes on teaching and learning:

- Build on the strength of the University Libraries’ commitment to information literacy.
- Facilitate interdisciplinary collaboration and sharing of perspectives.
- Help faculty bring innovative concepts to reality.
- Foster student’s creativity and broaden their experience and information base.
- Assist faculty in enhancing course content and in exploring teaching techniques.
- Provide an arena for dialog among disciplines and among campuses.
- Provide an additional and rich tool in the faculty’s teaching repertoire.
- Serve the university community and provide an excellent means of outreach to the local, national, and international educational community.
- Enhance the role of an established educational entity on campus.
- Place leading edge technology at the disposal of educators who have ideas for enhancing teaching and learning.
- Provide expertise to assist faculty in implementing innovative approach to teaching.
- Support distance education and New College in delivery of educational opportunities wherever the students may be.

## Importance of the Proposed Research to the Prestige of the University

Since the world of digital libraries is so new, much research potential still exists. This situation makes it a field in which immediate increased prestige is feasible, unlike some others, in which leadership would be difficult or simply impossible to achieve without decades of preparation. Thus it is no wonder that twenty-three of the twenty-five top NSF institutions have a digital library program, and fifteen of them are leaders in the field, especially the University of Michigan,

Johns Hopkins, Stanford, the University of Washington, Cornell, and UC Berkeley. And, with its successful participation in the Open Archives Initiative alpha and beta tests and the four national presentations about that and other projects, the library is establishing a national presence upon which it could capitalize.

The increased prestige that would accrue from a strong research agenda is possible because the field is still evolving. A possibility currently exists to take the lead in the provision of electronic theses and dissertations, for example. The University has been participating in a national project to accept theses and dissertations in digital format and mount them on a local server, and the Graduate School and the Library have a pilot project underway. The University could be among the first in this country to fully implement the application of SGML markup to electronic theses and dissertation, a practice that will be necessary for the project to move to the next level.

## Service

To be perceived as a leader in the digital world will become increasingly important as that world becomes more pervasive, and educational institutions will increasingly be judged by their success in it. Thus some direct service to the citizens of Tennessee would not be amiss. UT's Committee on the Future recommended that the University leverage existing resources to educate "a growing number of working Tennesseans who have high school diplomas and wish to pursue a baccalaureate degree without leaving their communities and their careers," and that it use University research capabilities, including information technology, to enhance economic development.

The DLC could be a critical tool to enable the University to achieve these ambitious goals. The Library is already active in statewide cooperation, leading initiatives that created TENN-SHARE. TENN-SHARE member libraries collaborated with the Tennessee State Library & Archives to form the Tennessee Electronic Library that now provides full-text journals databases to all non-profit libraries in the state. A partnership between the DLC and the state could provide a strategic alliance that would increase scholarly database content for all Tennessee citizens, augment systems support, and promote educational opportunities at all levels.

## Potential for Collaboration

Library partnerships have been an important asset to the University and would be a prominent feature of the Digital Library Center. Library-campus partnerships resulted in federal funding of the Scholar's Workstation project that focused on delivery of electronic resources to students and faculty in environmental science disciplines. The Library and ORNL libraries participated in the TULIP project (The University Licensing Project) sponsored by Elsevier Science to experiment with the early use of digital journal files. The Library has been expediting document exchange with ORNL for decades, and the libraries have been promoting access to one another's online catalogs. ORNL libraries participated with the libraries at the University of Kentucky and Vanderbilt in the UT Library grant-funded IRIS (Information Resources for Inter-institutional Sharing) project to improve journal article delivery and reduce journal title overlap by providing a unified online catalog. This project will soon be complemented by the inclusion of catalogs from nine other southeastern research library catalogs through the Library's membership in ASERL (the Association of Southeastern Research Libraries). More recently, staff from the Open Archives Initiative alpha test met with representatives from the Office of Scientific and Technical Information (OSTI) to explore possible avenues of collaboration. OSTI has an immediate need to establish an OAI compliant site, and alpha test staff agreed to help with that effort.

And the possibility for partnerships in the field of scholarly publishing clearly exists. Digital libraries have become instruments of change in scholarly communication because the same SGML markup and publishing software is used in both mounting local digital collections and the publication of e-journals. It is no accident that JSTOR, the e-journal accrual service to which UT subscribes, comes from the University of Michigan and that HighWire Press, which publishes over a hundred electronic titles, comes from Stanford. Both grew out of the digital library initiatives at those institutions. The Library is currently exploring digital archiving initiatives with the Association for Evolutionary Economics and the Society for Values in Higher Education. Such initiatives could lead to partnerships in the electronic publishing of currently produced scholarly materials.

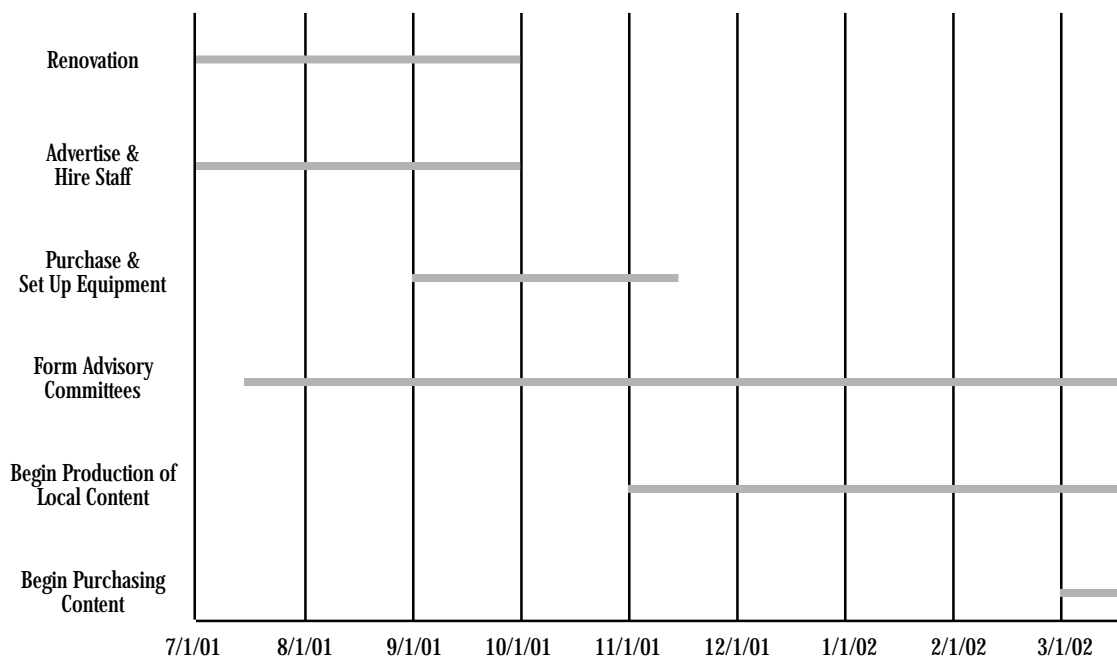
## Benchmarks

Grant funding for digital libraries should continue into the foreseeable future, and within two years the DLC should have received at least one major grant award, and perhaps several minor ones. Within three years the DLC will mount at least one nationally recognized digital collection. And during the next five years the Library will raise an endowment to support the DLC and establish cost recovery programs. Most mature digital libraries have cost recovery programs of one kind or another. Many have formed a partnership with the private sector, while some, like the Digital

Library Production Service at the University of Michigan (the provider of the digital access and management software that the Library is using to manage its digital collections), recover costs by selling and supporting software that they have developed. The Library Without Walls at the Los Alamos National Laboratory has a number of ongoing projects. One of their commercial partners is the provider of WEB OF SCIENCE, and they have formed partnerships with journal publishers, electronic database producers, and software companies whose applications facilitate integrating digital information.

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## Proposed Implementation Schedule Digital Library Center



## Budget

### Costs for Year 1

#### EQUIPMENT

##### Hardware

Unix Server- Dell poweredge 4400	\$16,420
7 pc workstations @ \$3,900 ea.	\$27,300
3 HP CD Writer Plus 9200	\$ 1,050
2 color scanners @ \$7000 ea.	\$14,000
1 slide scanner Nikon LS-2000	\$ 1,600
2 laser printers @ \$1,500 ea.	\$ 3,000
3 laptops @ \$3,500 ea.	\$10,500
1 large format digital copier/fax	\$35,000
1 data/video projector	\$ 5,000
2 3com Laptop Network Cards	\$ 338
3 Fast scsi-2 cards for CD Writers	\$ 450

##### Software

UMich DLXS Membership Yearly Fee	\$ 5,000
Photoshop 6	\$ 200
Flash 5	\$ 75
DreamWeaver 4	\$ 75
OCR software	\$ 500

SUBTOTAL ..... \$ 120,508

SPACE ..... \$ 40,000

Possibilities exist in both Hoskins Library and  
the Library's White Avenue annex.

STAFF ..... \$ 260,500

3 Metadata Specialists @ \$35,000 ea., plus benefits  
2 Programmer/Analysts @ \$40,000 ea., plus benefits  
1 Graduate Assistant Programmer @ \$20,000 [includes tuition]

TRAINING/OPERATING ..... \$ 50,000

**TOTAL YEAR 1 ..... \$ 471,008**

### Years 2 - 5

Staff	\$ 260,500
Hardware replacement/service	\$ 25,000
Software maintenance	\$ 5,000
Content	\$ 50,000
Operating	\$ 40,750

ANNUAL COST ..... **\$381,250**

**TOTAL YEARS 2- 5 ..... \$1,525,000**

**Total Cost Over Five Years ..... \$1,996,008**

## Personnel

No new faculty positions are proposed. The DLC would require five new high-level staff positions.

### Directors

**James B. Lloyd**, the Special Collections Librarian, will contribute half of his time to begin the Center. The only Ph.D. in the Library, Dr. Lloyd is the co-author of the current grant and the chair of the Digital Library Committee. He has written and edited several books, published numerous articles, and brought in more than \$1,000,000 in grant funds to the University. Since 1976 he has written, set up and successfully managed seven major grants.

**Bill Britten**, the head of Library Systems, will contribute 30% of his time to oversee technical operations, facilitate collaboration between DLC and Systems staff, and assist with project development. Professor Britten has been a leader in Internet development since 1990. He set up the first gopher server on campus in 1992 and implemented the first www server in 1993 (also one of the first in the among ARL libraries). Systems staff will maintain the server and offer support as to any other Library unit.

### Faculty Participants

**Anthony Smith**, Digital Initiatives Librarian: search interface development

**Gayle Baker**, Electronic Services Coordinator: liaison with commercial database acquisition

**Chris Hodge**, SunSite Coordinator: liaison with DII, special projects

**Tamara Miller**, Library Planning & Program Development

**Head, Library Technical Services and Digital Access** (vacant): information retrieval issues

**Wayne Cutler**, Editor, Papers of James K. Polk: creation of digital Jackson Center

**David Ratledge**, Coordinator of NT Administration and PC Support: liaison with PC support

**Maribeth Manoff**, Coordinator of Networked Services Integration: information retrieval development

**Rita Smith**, Head, Reference and Instructional Services: digital reference, liaison with Reference projects

**Marie Garrett**, Instructional Services Coordinator: digital information literacy training

**Pauline Bayne**, Head, Music and Media Services and Head, Library Special Projects: digital multimedia development

**Gretchen Whitney**, School of Information Science: liaison with SIS faculty and students

**Michael Burke**, Innovative Technology Center: liaison with ITC staff and clientele

### New Staff

**Technical Operations Specialist:** Manages and maintains DLC equipment, including purchase recommendations, desktop setup, and system architecture; manages digital production, including scanning of all kinds; produces text from scanned images, including OCR and transcription; assists with access in whatever format necessary.

**Access Specialist:** Manages all aspects of access to digital objects, including SGML markup using various DTDs, CORC, and any customized access; assists with digital production as necessary.

**Electronic Theses and Dissertation Specialist:** Manages the University's electronic theses and dissertation program, including SGML markup and architecture; assists with access and digital production as necessary.

**Two Programmer/Analysts:** Implement DLC collections; develop software and other tools for DLC projects in cooperation with Library and teaching faculty, especially as described in "Teaching and Learning"; develop middleware as needed.

**One Graduate Assistant:** Assist Programmer/Analysts as necessary

## APPENDICES

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### VITA JAMES B. LLOYD

Professor and Special Collections Librarian  
Special Collections, Hoskins Library  
The University of Tennessee Libraries  
Knoxville, Tennessee 37996-4000  
(865) 974-4480  
jlloyd@utk.edu

#### EDUCATION

B.A. English - 1969, Arkansas State University  
M.A. English - 1972, The University of Mississippi  
Ph.D. English - 1975, The University of Mississippi  
Post-Doctoral Certificate, 1976, National Archives Institute  
M.L.S., August 1979, George Peabody College  
Rare Book School, 1984, 1993, 1994  
Preservation Intensive Institute, University of Pittsburgh, 1993  
School for Scanning, University of Washington, 2000

#### EXPERIENCE

1986-Present Special Collections Librarian, The University of Tennessee, Knoxville. Duties include general administration of the Special Collections Library, a branch containing 110,000 volumes, University Archives, and some 2,000 mss. collections; overall responsibility for Hoskins Library building; collection development of rare books and mss.; and donor relations, including editing the Library Development Review, 1986-. Tenured 1991. In 1992 assumed responsibility for general library preservation program (until February, 1994). September, 1993-February, 1994, Internal Administrative Internship with Associate Director for Access Services. In January, 1994, began Tennessee Newspaper Project, a part of the U.S. Newspaper Program; May, 1995, Faculty Exchange, University of Wales, Swansea. In 1999 set up digital facility with grant funds and began scanning of original documents in cooperation with the University of Georgia. In 2000 became chair of the Digital Library Committee and managed the Library's participation in the Open Archive Initiative.

1980-86 Curator of Special Collections and University Archivist, Western Carolina University. Duties included general administration of Special Collections, administering registration and preservation for the Mountain Heritage Center museum, and coordinating donor relations. Codesigned and implemented an integrated automated online system for the administration of and reference to archives and manuscripts (OMMS). Tenured 1986.

1977-80 Editor, Mississippi Authors Project, University of Mississippi. Responsible for the design of the project and its general administration as well as managing the collection and verification of bibliographical and biographical information on 1,850 Mississippi authors, and preparing the final manuscript, with introduction, for publication. Responsibility for the matching fund raising effort which brought the project to full funding.

1975-77 Technical Processing Archivist, Department of Archives and Special Collections, University of Mississippi Library.

## APPENDICES

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### VITA, JAMES B. LLOYD, *continued*

#### PUBLICATIONS

##### Selected Monographs:

Ed., Lives of Mississippi Authors, 1817-1967. Jackson: University Press of Mississippi, 1981.  
The University of Mississippi: The Formative Years, 1948-1906. University, Mississippi: The Library, 1979.  
The Oxford Eagle, 1900-1962: An Annotated Checklist of Material on William Faulkner and the History of Lafayette County. Starkville: The Mississippi Quarterly, 1977.

##### Selected Articles:

Usually two articles per year of three or four pages each in The Library Development Review, 1986-.  
Coauthor, "Special Collections in the Southeast," College and Research Libraries News, 51 (no. 6), 565-67.  
Coauthor, "Online Manuscript Search Service." Information Technology and Libraries, (Fall 1983): 295-300.  
Editor: Library Development Review, 1986-.

#### GRANTS

Coauthor, "Southeastern Native American Documents, 1730-1842." Funded, 2000 by IMLS (\$204,000).  
Coauthor, "Southeastern Native American Documents, 1763-1842." Funded, 1999 by IMLS (\$179,000).  
"Tennessee Newspaper Project Implementation: Part Three." Funded, 2000 by NEH (\$300,000).  
"Tennessee Newspaper Project Implementation: Part Two." Funded, 1998 by NEH (\$283,000).  
"Tennessee Newspaper Project Implementation: Part One, Supplement" Funded, 1997 by NEH (\$130,000).  
"Tennessee Newspaper Project Implementation: Part One." Funded, 1995 by NEH (\$250,000).  
"Planning Project, U.S. Newspaper Program." Funded, 1993 by NEH (\$47,000).  
Coauthor, "The University of Tennessee, Knoxville Archives Project." Funded, 1990 by NHPRC (\$40,000).  
Coauthor, "Mississippi Authors Project." Funded, 1977 by NEH (\$60,000).

#### PEER REVIEWED PRESENTATIONS

Educause, 2000, "Southeastern Native American Documents, 1763-1842."

##### UPCOMING:

"The University of Tennessee Electronic Theses and Dissertations Pilot Project." Electronic Theses and Dissertations, spring 2001, California Institute of Technology.

"The Open Archives Initiative: Perspectives on Metadata Harvesting," Joint Conference on Digital Libraries, Roanoke, VA, summer 2001, sponsored by AMC and IEEE.

#### PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

Advisory Committee on the Records of Congress, 1999-  
Board of Directors, Appalachian Consortium, 1986-1994  
Tennessee Archivists Association, 1986-, President 1990, Vice President 1989  
American Library Association, 1986-  
Appalachian Studies Association, 1983-, President, 1999-00  
Society of American Archivists, 1976-

## William A. Britten

651 Hodges Library  
University of Tennessee  
Knoxville, TN 37996-1000  
(865) 974-1082  
wbritten@utk.edu

6606 Holt Lane  
Knoxville, TN 37919  
(865) 588-2192

### PROFESSIONAL EXPERIENCE

#### **Professor and Head of Systems, University of Tennessee, Knoxville (1997 – present)**

#### **Interim Head of Access & Delivery Services (2000 – present)**

##### *Responsibilities (Systems):*

- Overall management of UT Libraries' Systems Team; provide leadership for the planning, development, and maintenance of the Libraries' common Information Technology infrastructure
- Manage a staff of 4 professional librarians, 4 exempt staff positions, 3 non-exempt staff positions
- Participate in the general management of UT Libraries as a member of the Libraries Management Group
- Provide leadership in Library-wide technology-based innovations; initiate and/or chair committees, working groups, and task forces related to information technology projects
- Initiate and direct collaborative projects and processes related to the Libraries widely distributed automation efforts
- Represent UT Libraries at national conferences in the area of information technology; interact with campus computing and networking units.

##### *Responsibilities (Access & Delivery Services):*

- Leadership, planning and management of UT Libraries' Access & Delivery Services, including Circulation, Reserve, Periodicals, Interlibrary Services, Library Express, and Stacks
- Direct supervision of 1 faculty and 7 staff positions

#### **Systems Librarian, University of Tennessee, Knoxville (1987 - 1997)**

##### *major accomplishments:*

- Implemented acquisitions module on Geac system (1988)
- Wrote dozens of data load, extract, and report programs for Geac acquisitions, circulation, and opac modules (1988-97)
- Published among first articles on the Internet in the library literature (1990)
- Configured original Winsock network drivers, which became the basis for all PC Internet applications at UT Libraries (1992)
- Implemented first campus gopher server at UT; among first 5 ARL gophers (1992)
- Implemented CD-ROM network of bibliographic databases (1992)
- Implemented first campus www server at UT; among first 5 ARL web servers (1993)
- Designed original "scholar's desktop" of Windows network applications (1993)
- Implemented GPO Gateway to government databases; 3rd GPO Gateway Site (1995)
- New automated system bid/migration/implementation team; wrote data extraction programs to convert all non-Marc data to new system (1994-97)
- Implemented ERL/WebSPIRS database system (1996/97)
- Specified/bid/purchased over \$ 1.2 million in information technology hardware (microcomputers, CD-ROM networks, UNIX servers, peripherals) (1988-97)

##### *responsibilities:*

- Manage UT Libraries' servers (11 UNIX, 10 Infoservers) and their associated services: ERL/WebSPIRS, World Wide Web services, CD-ROM databases, e-mail
- Supervise 2-4 full-time staff and 1 student assistant
- Manage acquisitions module on Geac automated system; provide operational and data-extract support for all modules on Geac 8000 and 9000

## APPENDICES

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### Vita, William A. Britten, continued

- Occasional lecturer, Graduate School of Information Science
- Supervise practicum students from Graduate School of Information Science
- Managed microcomputer purchase, install, and support operation (1987 - 1995)

### Reference Librarian and Coordinator of Database Searching, St. Mary's College of Maryland (1983 - 1987)

- Coordinated online services; averaged 150 searches per year on DIALOG
- Developed computer assisted instruction software for library orientation
- Developed invoice and label customizing software for Technical Services
- Implemented a VAX-based overdue notice system
- Shared responsibilities for reference desk service, collection development, inter-library loan, and a curriculum-based library instruction program
- First published article was selected for *Best of Library Literature*, 1987

### Graduate Assistant, Department of Library Science, Clarion University of Pennsylvania (1982 - 1983)

Duties included online searching, literature searching, preparing bibliographies, subscription manager of *Rural Libraries*, and an internship in Carlson Library of Clarion University.

### OTHER EXPERIENCE

Owned and managed a farm in Mt. Zion, West Virginia (1976 - 1982). Experience and study in sustainable agriculture and beekeeping. Designed and built a passive solar home.

Caseworker, Department of Public Welfare, Allentown, Pennsylvania (1971 - 1976). Provided social and financial services, career counseling, inter-agency referrals, and caseload management

### EDUCATION

University of Pennsylvania	BA in Sociology
Clarion University	M.S.L.S. 4.0 avg.

### PUBLICATIONS AND PRESENTATIONS

"Supply-side Searching: An Alternative to Fee-based Online Services," *Journal of Academic Librarianship* 13 (July 1987): 147-150.

"Supply-side Searching" reprinted in: *Library Literature—The Best of 1987* (Metuchen, NJ: Scarecrow Press, 1988) p. 342-351.

"Delivering E-mail at the University of Tennessee, Knoxville" (with Marcia Myers), *Tennessee Librarian* 41 (Spring 1989): 10-13.

"Bitnet and the Internet: Scholarly Networks for Librarians," *College & Research Libraries News*, 51 (February 1990): 103-107.

"Class Relationships: Circulation Data, Collection Development Priorities, and Funding for the Future," (with Judith Webster) *The Bottom Line*, 4 (Spring 1990): 8-11.

"A Use Statistic for Collection Management: the 80/20 Rule Revisited," *Library Acquisitions: Practice and Theory*, 14 (1990): 183-189.

"Library Resource Sharing" [computer file] (with Joe Rader) *New Horizons in Library Training Series* (Knoxville, TN: University of Tennessee Libraries, 1990).

## APPENDICES

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### Vita, William A. Britten, continued

“Symposium on the Role of Network-Based Electronic Resources in Scholarly Communication and Research,” *Public Access Computer Systems Review*, 2:2 (October 1991) <http://info.lib.uh.edu/pr/v2/n2/bailey1.2n2>

“Retrieving Hypercard Stacks Over the Internet,” *Research & Education Networking*, 2 (October 1991): 8-10

“The Virtual Library of the Internet,” Presentation to the Southern Appalachian Chapter of the Special Libraries Association, January 16, 1992, Knoxville, TN.

“Transferring Files over the Internet,” Presentation at the ASIS (East Tennessee Chapter) Conference on Computer Networks and Information Services, March 13, 1992, Knoxville, TN.

“Comparing Characteristics of Highly-Circulated Titles for Demand-Driven Collection Development,” (with Judy Webster) *College & Research Libraries*, 53 (May 1992): 239-248

Articles for *UTK Librarian*: “E-mail in the Hodges Library” (Fall 1988); “Automating Acquisitions” (Spring 1989); “Electronic Gateways: Internet and Bitnet” (Fall 1990); “Computers for Staff Training—A Module on Resource Sharing” (Fall 1991); “A CWIS for UT, Knoxville” (Spring 1992); “The World Wide Web Juggernaut” (Fall 1994); “Free Internet Software for the Intelligent Browser” (Spring 1996)

“The Internet: Then and Now,” WATtec '94 Conference, February 22, 1994

“Building and Organizing Internet Collections,” 14th Annual Charleston Conference, November 3, 1994

“Lighthouse Getaway!” a hypertext publication on the world-wide web (<http://lighthousegetaway.com>)

“Building and Organizing Internet Collections,” *Library Acquisitions: Practice & Theory*, 19 (1995): 243-249

“COMBINED REVIEW OF: Carl-Mitchell Smoot and John S. Quarterman. Practical Internetworking with TCP/IP and UNIX; and John S. Quarterman and Carl-Mitchell Smoot. The Internet Connection: System Connectivity and Configuration,” *telecommunications electronics reviews*, 2 (December 1995) <http://192.153.30.102/ter/ter-2-6.html>

“The Cybrarian’s Toolkit,” in *The Cybrarian’s Manual*, ed. by Pat Ensor (Chicago: American Library Association, 1997) p: 137-143

“Converting Two Million Records to Horizon,” *Horizons*, Ameritech Library Services, December 1997, p.6-7.

“Access to periodicals holdings information: creating links between databases and the library catalog,” (William A. Britten, et. al.) *Library Collections, Acquisitions, & Technical Services*, 24 (2000): 7-20

### LIBRARY COMMITTEES (UT)

Microcomputer Advisory Group (chair) 1987 - 89  
Automation Advisory Council 1987 - 89  
Catalog Advisory Council 1987 - 90  
Faculty Program Committee 1988-89

## APPENDICES

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### **Vita, William A. Britten, continued**

Machine Readable Data Files Committee 1989 - 1990  
Map Librarian Search Committee 1989  
Hypercard Computer Based Training Project 1989-90  
Head of Circulation Search Committee 1990  
Software Support Coordinator Search Committee 1990  
Non-Print Formats Task Force 1990-91  
OLIS Extracts and Reports Working Group 1990-91  
Research Incentives Committee 1991-92 (chair)  
OLIS Statistics Working Group 1992  
Training Coordinator Search Committee 1992  
Collection Management Matrix 1993-94  
New Online System (OLIS) Task Force 1993-1995  
Biological Sciences Reference Librarian Search Committee 1993  
Journal Selection Group 1993-94  
Collection Management Matrix 1993-94  
Electronic Materials Matrix 1994  
Acquisitions & Processing Systems Librarian Search Committee 1994  
Electronic Services Librarian Search Committee 1995  
Computing Center/Library Cooperative Concerns Committee 1991 - 1996  
World Wide Web Task Force 1995 (chair)  
Program Review Committee 1996  
Infoserver Alternatives Task Force 1996  
OLIS Matrix 1992-1994, 1996-1998  
Dean's Advisory Cabinet 1989-90, 1997  
Horizon Implementation SmallGroup 1996- (chair 1997 -)  
Library Management Group 1997-  
Budget Subgroup of Library Management Group 1997 -  
Smokey Mountain Photo Archive Grant Proposal 1997  
IRIS UK-UTK-Vanderbilt Resource-sharing Committee 1997-  
Catalog Advisory Group 1997- (chair 1998-)  
Digital Maps Task Force 1997-98  
Search Committee for Systems Librarians (chair) 1998  
Digital Reserves Group 1998  
Full-text Advisory Group 1998  
Patron-initiated Services Task Force 1998  
Hooks to Holdings Task Force (chair) 1998  
Digital Libraries Initiative Grant Proposal 1998  
Liblink Group (chair) 1998 -  
Menus on the Fly Task Force (convenor) 1999 -  
Chair, Committee of the Whole for Promotion to Professor 2000  
Digital Library Committee 2000 -  
Search Committee for Head, Technical Services and Digital Access 2001

### **UNIVERSITY COMMITTEES**

Bicentennial Information Kiosk Committee 1995  
Community Access and Continuing Education Task Force 1994/95  
Technology Fee Advisory Board 1999-  
Information Technology Roundtable 1999-  
Electronic Theses and Dissertations Committee 2000 -

### **PROFESSIONAL MEMBERSHIPS**

American Library Association  
Library and Information Technology Association

## Gayle Baker

### EDUCATION:

Master of Library Service; University of Alabama, Tuscaloosa, Alabama, August 1986.  
Master of Science in Computer and Information Science; Ohio State University, Columbus, Ohio, August 1972.  
Bachelor of Science in Mathematics; Bowling Green State University, Bowling Green, Ohio, March 1969. English Minor.

### LIBRARY EXPERIENCE:

Electronic Services Coordinator (Assistant Professor / Associate Professor); John C. Hodges Library, University of Tennessee, Knoxville, 1992-  
Adjunct Faculty; School of Information Science, University of Tennessee, Knoxville, Tennessee; 1995-1996  
Reference Services Coordinator, Science & Technology (Assistant Professor); John C. Hodges Library, University of Tennessee, Knoxville, Tennessee; 1990-1992  
Engineering Reference Librarian (Assistant Professor); Engineering Library, University of Alabama, Tuscaloosa, Alabama; 1986-1990  
Adjunct Assistant Professor; Graduate School of Library Service, University of Alabama, Tuscaloosa, Alabama; 1987

### RELATED EXPERIENCE:

Temporary Instructor; Department of Computer Science, University of Alabama, Tuscaloosa, Alabama; 1981-1986  
12 years of experience as a computer programmer/analyst working in several different application areas: accounting, inventory control, student records, process control, and computer-assisted instruction.

### RECENT HONORS and AWARDS:

Dean's Award, University of Tennessee Libraries, May 10, 2000  
Innovative Technologies Center 2000 Teaching with Technology Summer Institute Grant, with Teresa Berry," March 2000  
Miles 500 Award, University of Tennessee, Knoxville Libraries, for "Library Locator," May 1997

### SELECTED SERVICE:

Information Technology Roundtable, Research Council representative, 1999-  
Research Council 1991-, Vice-Chair/Co-Vice-Chair, 1996-  
User Advisory Group on Computation, 1994-1996  
Member of several Library committees associated with technology, including:  
    Digital Library Committee, 2000-  
    Digital Reserves Committee, 1998-1999  
    DII/Libraries Common Concerns Group, Convener, 1999-  
    Electronic Text Task Force, 1994, Co-convener  
    Information Lab Committee, 1996-1997  
    Scholar's Workstation Project Group, Coordinator, 1992-1995  
Trainer for the Tennessee Electronic Library (TEL), 2000-  
Member, American Library Association, 1986-

### SELECTED PAPERS and PRESENTATIONS:

"Networked Resource Use Data for Collection Management", American Library Association, Chicago, IL, July 8, 2000 (poster session with Ross Singer)  
"TEL – the Knoxville Experience," Tennessee Library Association, Kingsport, TN, May 4, 2000 (session organizer and presenter with Alan Wallace, Carol Romeiser, and Janet Drumheller).  
"Hodges Library Information Laboratory: Planning and Implementation," Teaching with Technology, Hodges Library, Knoxville, TN, March 31, 2000  
"The Opportunities and Challenges of Full-Text Databases," in "Full-Text Databases – The Digital Library Begins," American Society for Information Science program, Tennessee's Technology Summit, Knoxville, TN, June 3, 1999  
"Implementing Electronic Full-Text Services in an Academic Library," Tennessee Library Association, Nashville, TN, April 30, 1999 (session organizer and presenter along with Teresa Braden and Alan Wallace)  
Baker, Gayle S. and Flora G. Shrode. "A Heuristic Approach to Selecting Delivery Mechanisms for Electronic Resources in Academic Libraries," *Journal of Library Administration*, 26 (3-4):153-167, 1999.  
Baker, Gayle S. "The Knoxville Library/Computer Center Partnership," in *Building Partnerships: Computing and Library Professionals*, Berkeley, CA: Library Solutions Press, 51-53, 1996.  
Heck, Jeff and Gayle Baker. "The Scholar's Workstation Project at the University of Tennessee," *Library Hi Tech*, 13(3):55-66, 1995.

**PAULINE S. BAYNE, PROFESSOR  
HEAD, MUSIC LIBRARY AND MEDIA SERVICES  
CURRICULUM VITAE**

**EDUCATION**

M.S.L.S., University of North Carolina, Chapel Hill, 1973.  
M. Music, Music History and Literature, Northwestern University, Evanston, IL, 1970.  
B. Music, *Summa cum laude*, Music Education and Piano, Millikin University, Decatur, IL, 1968.

**PROFESSIONAL EMPLOYMENT**

Professor and Head, Music and Media Services and Head, Library Special Projects, September 1997- .  
Professor and Interim Associate Dean of Libraries, August 1999 – August 2000.  
Head, Music Library, 1973-85; 1988-97.  
Assistant to the Director of Libraries, for Library Relocation, 1986-87.

**SCHOLARLY / CREATIVE ACTIVITIES**

**Selected Publications**

“David Van Vactor” in *The New Grove Dictionary of Music and Musicians*. January 2001.

With Chris Hodge. “Digital Audio Reserves: A Collaborative Project at the University of Tennessee.”  
Accepted for publication in *The Journal of Interlibrary Loan, Document Delivery and Information Access* for  
December 2001, 9 p.

With Jillian Keally and Joe C. Rader. “Implementing Computer-Based Training for Library Staff” in  
*Personnel Administration: The Best of Library Administration and Management*. Chicago: LAMA, 1996, 8  
p.

*A Basic Music Library: Essential Scores and Books*. 2d ed. Chicago: American Library Association, 1983.  
Compiled by the MLA Committee on Basic Music Collections, Pauline Bayne chairperson. Edited by  
Robert Fling, MLA Publications Council. 357 p.  
And 1<sup>st</sup> ed. Edited by Pauline S. Bayne. 182 p. 1978.

**Selected Presentations**

*Digital Audio Reserves at the University of Tennessee*. Music Library Association, Southeast Chapter meet-  
ing, October 27, 2000, New  
Orleans, LA.

*Reference Refresher: Song Indexes*. Music Library Association annual meeting, Seattle, February 8, 1996.

**SERVICE ACTIVITIES**

**Service to the University**

Digitization Service Planning Committee, 2000-2001; DMS Steering Committee, 2001- .  
Search Committee: DMS Coordinator, 2001- .  
Search Committee: Dean of Libraries, 1999-2000  
Faculty Senate Budget Committee, 1996-98

**MICHAEL A. BURKE**

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400 Dunford Hall  
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University of Tennessee  
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(423) 974-8893  
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Home Address:  
7028 Crystal Lake Dr.  
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(423) 588-7195

**EDUCATION:**

B.A., University of Tennessee (1984) Major - Human Services

Ph.D., University of Tennessee (1994) Major - Educational Leadership

Primary concentration in Higher Education Administration; supportive specialization in Educational Administration and Supervision. Areas of interest include: Educational Technologies; Educational Policy Studies; Administration and Governance; Organizational Studies.

**PROFESSIONAL EXPERIENCE:**

October 1996- Present.

Technologies Integration Specialist: Classroom Design, Technologies Integration and Support. Innovative Technology Center, Educational Technology Division, University of Tennessee, Knoxville, Tennessee.

Work as a member of the Innovative Technologies team to provide support for faculty development of computer-based instructional materials, websites, and courseware. Provide education and training to faculty, staff and graduate students engaged in integrating technologies into teaching. Provide classroom design consultation, planning, and support. Provide network, hardware, and software evaluation, specification, maintenance and management support.

November 1994-October 1996.

Research Associate: Instructional Technologies Coordinator. Academic Technology, Division of Information Infrastructure, University of Tennessee, Knoxville, Tennessee.

Work with the Instructional Technology Advisory Committee Implementation Team to plan and implement the Instructional Technology Center at the University of Tennessee-Knoxville.

**RESEARCH INTERESTS:**

Technology Enhanced Classroom Design

Distributed Learning Communities

Web based instruction

Faculty development in instructional technologies

Use of Two-way Interactive Television for Instruction

Effectiveness of mediated instruction

Human-Computer Interaction

## APPENDICES

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### VITA EVERETTE WAYNE CUTLER

Address: 7901 High Heath Knoxville TN 37919  
E-Mail: wcutler@utk.edu

Telephones: 865/974-0662 (office)  
865/690-3515 (home)

#### Education

UNIVERSITY OF TEXAS AT AUSTIN  
Ph.D. degree in American history, 1971  
M.A. degree in American history, 1967  
NDEA fellowship, 1968-70  
Teaching fellowship, 1965-66

SOUTHERN METHODIST UNIVERSITY  
B.D. degree in theology, 1964  
  
LAMAR UNIVERSITY  
B.A. degree with honors in English, 1959

#### Employment

Research Professor of History and Polk Project Director, University of Tennessee, Knoxville, TN, 1987-present  
Associate Professor of History and Polk Project Director, Vanderbilt University, Nashville, TN, 1975-87  
Research Associate, Henry Clay Project, University of Kentucky, Lexington, KY, 1970-75

#### Research

##### BOOKS

editor, *Correspondence of James K. Polk*. Vols. IV-IX. Knoxville: University of Tennessee Press, 1977-96.  
editor, *North for Union: John Appleton's Journal of a Tour to New England Made by President Polk in June and July 1847*. Nashville: Vanderbilt University Press, 1986.  
editor (with Michael H. Harris), *Justin Winsor: Scholar Librarian*. Littleton, Colo.: Libraries Unlimited, 1980.  
assistant editor, *The Papers of Henry Clay*. Vols. IV-V. Lexington: University Press of Kentucky, 1972-73.

##### ESSAYS

author, "Jackson, Polk, and Johnson: Defenders of the Moral Economy." *Tennessee Historical Quarterly*. LIV (Fall, 1995).  
author, "President Polk's New England Tour: North for Union," in Douglas Richmond, editor, *Essays on the Mexican War*. Volume XX of The Walter Prescott Webb Memorial Lecture Series. College Station, Texas: Texas A&M University Press, 1986.

#### Teaching

##### UNDERGRADUATE

Lectures, "Jacksonian America," University of Tennessee, 1993-1999  
Seminar, "Webster, Clay, and Calhoun: Voices of Union," Vanderbilt University, 1976, 1977, 1980  
Freshman Seminar, "Westward Expansion in Nineteenth-Century America," Vanderbilt University, 1977-79, 1981, 1986

##### GRADUATE

Graduate Research, "Bugles and Ballots: Partisan Militia Formation in Tennessee, 1835-145," University of Tennessee, 1997  
Graduate Readings, "Jacksonian America," University of Tennessee, 1996

#### Service

Southern Historical Association, Membership Committee, 1991; Program Committee, 1978  
Association for Documentary Editing, Technology Committee, 1987-8, and chair, 1988-90; Federal Relations Committee, 1981-84  
Tennessee Presidents Trust, director, 1991-present

## *Marie Garrett*

### *Experience*

Associate Professor and Instructional Services Coordinatr, University of Tennessee Libraries, 1997-  
 Assistant Professor and Instructional Services Coordinator, University of Tennessee Libraries, 1996-1997.  
 Assistant Professor and Humanities Reference Librarian, University of Tennessee Libraries, 1992-1996.  
 Instructor and Reference Librarian, University of Tennessee Libraries, 1989-1992.  
 Reference Librarian, Johnson Bible College, Knoxville, TN, 1979-1988.  
 Assistant Librarian, Milligan College, Milligan College, TN, 1977-1979.  
 Assistant Librarian, Johnson Bible College, Knoxville, TN, 1974-1977.  
 Librarian, Carter Elementary School, 1972-1974.

### *Education*

M.A. in English, University of Tennessee, Knoxville, TN, August 1989.  
 M.L.S., George Peabody College for Teachers, Nashville, TN, August 1972.  
 A.B. in English, Milligan College, Milligan College, TN, May 1971.

### *Publications, Presentations, Service Awards*

“Morgan, John Pierpont,” “Rockefeller, John Davison,” “Clark, George Rogers,” “Croghan, George,” and  
 “Gist, Christopher.” *Encyclopedia of Appalachia*, ed. Jill Oxendine. To be published by The University of  
 Tennessee Press in the Fall of 2002.

Teaching with Technology Summer Institute. With Jane Row and Linda Sammataro, Innovative Technologies  
 Center, UT, 2000.

“At Your Own Pace: Computer-Assisted Instruction.” Presentation for Showcase of Electronic Projects,  
 “Teaching with Technology in Today’s Library,” UT, March 31, 2000.

Ten biographical essays for *Notable Black American Men*, ed. Jessie Carney Smith, Detroit: Gale, 1999;  
*Notable Black American Women*, Book II (1996); and *Notable Black American Women* (1992).

Customer Service Award, Library Spirit Awards, 1999.

Teaching, Learning, and Technology Group, Steering Committee, UT, 1999-

“Process Education Produces Self-Growers.” *Context*, April-May, 1999.

Participant, Process Education Institute, by invitation of UT Center for Undergraduate Excellence, 1998.

“Teaching Toward Information Literacy: Ten Challenges and Ten Responses.” *UTK Librarian*, May, 1998.

“Communicating Effectively With Editors.” With Sandra Leach. Tennessee Library Association Annual  
 Conference, April 29, 1999.

*The New Student’s Guide to Research at UTK*. With L. Bensel-Meyers. 2nd ed. Needham, MA: Simon &  
 Schuster Custom Publishing, 1998.

Practitioner-Research-On-Teaching Award. Learning Research Center, UT, 1997.

Instructional Technology Development Fellowship, Innovative Technologies Center, UT, 1996-1997.

“Building Library Skills: A Successful Application of Computer-Assisted Instruction for Undergraduate  
 Students.” With Lana Dixon, Rita Smith, and Alan Wallace. *Research Strategies*, Fall 1995.

James E. Ward Library Instruction Award, Tennessee Library Instruction Roundtable, 1995.

“Planning Internet Presentations for Faculty.” American Library Association, Miami, June 27, 1994. (Part  
 of the Association of College and Research Libraries’ Science & Technology Section’s “Scholarly  
 Resources on the Internet: Beyond the Basics.”)

Editor, *Tennessee Librarian*, June 1992-November 1995.

American Library Association, Materials Reviewing Committee (Collection Development and Evaluation  
 Section), 1992-1996. Louis Shores – Oryx Press Award Committee, 1992.

American Library Association, Materials Reviewing Committee, helped plan and assisted with “Reference  
 Books Reviewing Workshop,” presented by Gail Schlachter at ALA, Chicago, June 23, 1995.

Southeastern Library Association, Reference and Adult Services Section, Secretary, 1992-1994, Vice-Chair,  
 1992-1996; Chair, 1996-1998.

Tennessee Library Instruction Roundtable. Vice Chair, 1991-1992; Chair, 1992-1993.

**Vita**  
**Chris Hodge**

**Education:**

M.A., Columbia, History, 1992

Graduate work, Information Science, University of Tennessee, 1993-1995

**Experience:**

Coordinator of SunSITE Program, University of Tennessee, 1995-present

SunSITE is a program begun by Sun Microsystems to promote new and emerging technologies on campuses and in communities. There are now over 55 SunSITES affiliated with research institutions worldwide.

**Recent Publication:**

With Pauline Bayne. "Digital Audio Reserves: A Collaborative Project at the University of Tennessee." Accepted for publication in *The Journal of Interlibrary Loan, Document Delivery and Information Access* for December 2001, 9 pp.

**Recent Presentations:**

Winter 2000 Electronic Cultural Atlas Initiative/Pacific Neighborhood Consortium.

Educause, 2000.

**MARIBETH MANOFF**

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**EDUCATION**

Masters in Library and Information Science, University of South Carolina, Aug. 2000  
BA, Major in Religion, Minor in Social Work, LaSalle University, 1989

**PROFESSIONAL EXPERIENCE**

Assistant Professor, Coordinator of Networked Services Integration: Sept. 2000-present  
University of Tennessee, Knoxville, TN

Coordination of the UT Libraries Web site. Projects include design of a database-driven approach to the Web site; improving access to electronic resources; creation of personalized portal pages for library users; improving overall site navigability; maintenance, upgrades and other improvements to the library catalog Web interface.

Head of Technical Services / Systems: 1998-Aug. 2000  
Booth Library, Davis & Elkins College, Elkins, WV

Managed library materials budget, including acquisitions of books, software, video and audio formats; cataloged library materials using OCLC database and software; administered, operated and maintained the library's OPAC; managed all aspects of federal document depository (15% selection); supervised one full-time employee and several student workers; improved cataloging procedures by implementing offline editing program and TCP/IP access; developed a database to track acquisitions, create purchase orders, and provide detailed reports to faculty selectors; streamlined the government document check-in process by finding, downloading, and implementing freely available software.

Specialized Foster Care Service Coordinator: 1990-1998.  
Appalachian Community Health Center, Elkins, WV

Responsible for placement, assessment, treatment planning, and service coordination for emotionally disturbed children in foster care settings.

Computer Programmer: 1975-1985.  
Logos Corporation. Mt. Arlington, NJ

Provided programming support for research and development of natural language translation software; engineered, flowcharted, programmed and debugged solutions proposed by linguists and other users.

**SERVICE**

Catalog Advisory Group  
Diversity Committee  
Faculty Senate (elected to 3-year term to begin August, 2001)

## APPENDICES

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### **Tamara J. Miller**

611 Hodges Library  
Knoxville, TN 37996-1000

- 1972 Masters of Science in Library and Information Science, University of Kentucky.  
1969 Bachelor of Arts in Economics, University of Utah.
- 1997 to date **Planning and Program Development**, University of Tennessee, Knoxville Library.  
1982 to 1997 **Head of Library Systems**, University of Tennessee, Knoxville Library  
1981 **Head of the MARC Department**, University of Wisconsin-Madison Memorial Library.  
1976 to 1981 **State Network Coordinator**, Wisconsin InterLibrary Services Consortium  
1973 to 1976 **Head, Bibliographic Search Section**, Michigan State University Libraries  
1972 to 1973 **Original Catalog Librarian**, Michigan State University Libraries.

#### **Courses Developed:**

Honors 493, "Copyright in the Electronic Environment" with Paula Kaufman, 1999.  
GIS 590, "Internet and Scholarly Information," 1993-4

#### **Grants:**

*A Model Scholar's Outpost on the Electronic Frontier*. Department of Education with Linda Phillips, et. al, 1993  
*Southern History Sampler*. Coalition for Networked Information with UT Press, 1993.  
*Digitized Images As A Preservation Technique: The Galston-Busoni Collection*, Commission for Preservation and Access, 1991.  
*TULIP: a Joint Project To Provide Electronic Journals*, 1992.  
*IRIS: Joint Use of Research Collections*, Title II-D Higher Education grant with Linda Phillips, et. al, May 1988. .  
Grant reviewer, Dept. of Commerce, Information Technology Infrastructure grants, May 1996.  
Grant reviewer, Dept. of Education, Title II-D, Library Technology grants, April 1994.

#### **Publications:**

Miller, Tamara J. and Edward G. Mahon, "Automation and Networking in Tennessee's Academic Libraries," *Library Hi Tech*, 1996.  
Kaufman, Paula T. and Tamara J. Miller, "Scholarly Communications: New Realities, Old Values," *Library Hi Tech*, 1992.  
"Collection overlap: a study of the University of Wisconsin System libraries," *College and Research Libraries*, 1982.

#### **Selected Presentations:**

"The Value of TULIP: Why testing new paradigms is critical for libraries," Coalition for Networked Information, 1995.  
"Libraries and Information Technology," keynote address, FEDLINK/FLECC Conference, May 13, 1994.  
"Problems in digital scanning," American Society of Information Scientists, May 14, 1994.  
"UTK Library User Survey and the Decision-Making Process," Tennessee Library Association, April 1999.  
"Internet II and Libraries," SOLINET, April 1998.  
"Electronic Dissertations and Theses," Tennessee Association of Collegiate Registrars and Admissions Officers, November 1998. (Winner of best session award.)  
"Digital Scanning as a Preservation Technique: Implications for Access," Association of Library Technical and Collection Services, June 24, 1993.

#### **Professional Activities:**

Council for Research Libraries, Electronic Resources Task Force (1998-99)  
EDUCAUSE Publications Advisory Committee (1999- date)  
SOLINET Digital Archive of the American South Steering Committee (1999- date)  
Honor Society of Phi Kappa Phi, April 1998.  
Library Information Technology Association, President, 1993-1994  
American Library Association Council, (LITA Councilor) 1997-2001

## APPENDICES

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# DAVID RATLEDGE

## EDUCATION

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1997	University of Tennessee <i>M.S. Information Science</i>	Knoxville, TN
1995	Western Illinois University <i>B. A. Liberal Arts</i>	Macomb, IL

## PROFESSIONAL EXPERIENCE

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1999 - 2001 University of Tennessee Libraries Knoxville, TN  
*Assistant Professor & Systems Librarian*

- Supervise the NT Administration & PC Support Group that manages the operation and support of six NT servers and approximately 400 desktop PCs.
- Consult with Library teams concerning the ordering; configuration and installation of desktop computing and networking equipment that would best meet their needs.
- Serve as an advisor to Library Administration on matters of technical planning and policy.

## PUBLICATIONS

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Ratledge, David D. "Adventures of a Nineteenth-Century Medic: The Life and Times of Dr. William Hunt, 1810-1882," [book review] *Tennessee Librarian*, 51, no. 2 (2000): 46-47.

## PROFESSIONAL SERVICE

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Administrator of the Tennessee Library Association's official listserv.  
Administrator/Creator of the Library NT listserv.  
Regular panel judge for semester database projects in the School of Information Sciences graduate course 585 Database Management.

## PROFESSIONAL MEMBERSHIPS

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American Library Association  
Library Information Technology Association

**VITAE**  
**Anthony D. Smith**

**Personal**

Home: 603 Vista Drive, Clinton, TN, 37716, 865-463-7484, [adsmith1@bellsouth.net](mailto:adsmith1@bellsouth.net)

Office: 1015 Volunteer Blvd, 647 John C. Hodges Library, Knoxville, TN 37996, 865-974-9458,  
[adsmith@aztec.lib.utk.edu](mailto:adsmith@aztec.lib.utk.edu)

**Education**

2000, Master of Library & Information Science (MLIS), The University of Tennessee  
Knoxville, TN, Concentration in Library Systems & Management.

1998, Bachelor of Arts, Anthropology, The University of Tennessee, Knoxville, TN.

1993, Associate of Science, Honors, Biochemistry, Pellissippi State Technical Community  
College.

**Experience**

2001 – Present	Assistant Professor, Digital Initiative Librarian University of Tennessee, Knoxville
1995 – 2000	Library Staff, Desktop Support University of Tennessee, Knoxville
1985 – 1995	Computer System Specialist United States Navy

**Honors and Awards**

2000	Library Skills Development Award	1998	University of Virginia Minority Medical Education Program Scholarship
1999	University of Tennessee Black Staff Development Fellowship	1994	National Defense Service Medal
1998	Library Personal Achievement Award	1994	Southwest Asia Service Medal w/Bronze Star
1998	University of Alabama/IBM Archaeology Fellowship	1994	Armed Forces Expeditionary Medal
		1991	US Navy Achievement Medal

**Service Activity**

Chair, Electronic Reserves Committee, 1999  
Chair, Virtual Reference Service Committee, 2001  
Member, Library Diversity Committee, 2001

**Scholarly and/or Creative Activity Published through a Non-Refereed Electronic Venue**

Smith, Anthony D., "Social Misfits: Free Persons of Color in Antebellum Virginia," MyFamily Website, <http://www.myfamily.com/isapi.dll?c=Content&htx=View&siteid=TVWB&contentid=ZZZWQ44F&contentclass=FILE>, July 1999.

Smith, Anthony D., "The American Race: History of a Family," March 1993

Smith, Anthony D., "Electronic Reserves and Publishing: A Systematic Approach from the User's Perspective," *University of Tennessee Libraries Sharepage: Online Reserve Project*, (May 2000, accessed March 2001); available from <http://www.lib.utk.edu/~reserve/staff/>; Interenet.

## APPENDICES

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### *Rita H. Smith*

#### **Education**

Master of Science in Library Science  
University of Illinois, Urbana-Champaign  
August 1975

Bachelor of Arts  
Major: History Minor: Political Science  
Southern Illinois University, Carbondale  
June 1972

#### **Experience**

September 1990 - July 1993  
August 1997— present

Head, Reference and Instructional Services  
John C. Hodges Library  
The University of Tennessee  
Knoxville, TN

August 1993- July 1997

Reference Coordinator, User Services and Collections  
John C. Hodges Library  
The University of Tennessee  
Knoxville, TN

January 1976 - August 1990

Reference Librarian  
John C. Hodges Library and Hodges Undergraduate Library  
The University of Tennessee  
Knoxville, TN

October 1975 - December 1975

Director (Interim)  
Mt. Vernon Public Library  
Mt. Vernon, IL

#### **Recent Publications and Presentations**

Dixon, Garrett, Smith, and Wallace. "Building Library Skills: Computer Instruction for Undergraduates." Research Strategies, 13(4): 196-208, Fall 1995.

"Building and Maintaining Reference Web Pages." Co-presenter, TENNSHARE, August 1996.

Courtois, Dixon, Smith. Electronic Reference: An Integrated Approach to Providing WWW-based Reference Services. Poster Session. ACRL 8th National Conference, Nashville, April 11-14, 1997.

Smith and Dixon, "Electronic Reference: an integrated approach to providing WWW-based reference services." Presentation for the East Tennessee Library Association, February 1998.

"UTK Libraries Electronic Library Resources" (newsletter co-authored with Linda Phillips with contributions from Gayle Baker, Russ Clement, Jane Row, and Flora Shrode), 1999.

Row, Shrode, and Smith. UnCover@UTK: Assessment Across the Disciplines. Poster Session. American Library Association Annual Conference, July 8, 2000.

"Tips for Reference Desk Service Providers," Presenter, TLA Staff Development Workshop, Oct 16, 2000.

Row, Shrode, and Smith. "Across the Disciplines: Does Subsidized Document Delivery Meet the Challenges?" Submitted for publication, College and Research Libraries, February 2001.

#### **Recent Service**

Undergraduate Council (proxy for Dean)  
Library Dean's Search Committee  
Social Science Data Services Search Committee  
Humanities Coordinator Search Committee, co-chair  
Library Planning Group  
Library Faculty Co-Chair 2000/01

Library Management Group  
Budget Subgroup (Jan-June)  
Facilities Subgroup (July – Dec.)  
Faculty mentor for Sara Williams  
Engineering Librarian Search Committee  
Head, Technical Service Search Committee

**Vita**  
**Gretchen Whitney**

Associate Professor, School of Information Sciences School, University of Tennessee, Knoxville, TN 37996  
Tel. 865 974-7919 Fax 865 974-4967 gwhitney@utk.edu

**Education**

The University of Michigan, Ann Arbor, MI  
PhD, 1988

School of Information and Library Studies  
Ohio State University

Columbus, OH 1978, 1979

Postgraduate work in business administration, social  
sciences

School of Library Science  
University of North Carolina  
Chapel Hill, NC  
MS in LS, 1975

University of North Carolina  
Chapel Hill, NC  
BA, 1969

**Teaching Awards and Honors**

Innovative Technologies Center, 2000

MERLOT Information Technology Discipline Team, 2000

National ALISE-Pratt Severn Faculty Innovation Award in Library and Information Studies, 1999

**Experience**

1994-present, School of Information Sciences, The University of Tennessee

1988-1994, School of Library Science, The University of Arizona

1984-1986, School of Library Science, The University of Michigan

**Publications**

“Library and Information Science Educators: Membership Trends in the Association for Library and Information Science Education, 1986/87 to 1996/97.” *Journal of Education for Library and Information Science*, 39(1), Winter 1998, 38-57.

“Listservs and Related Technologies: Simple and Elegant Solutions for Information Exchange.” *FID Newsletter*, 1996.

*The Digital Revolution*. Editor. Proceedings of the Mid-Year Meeting of the American Society for Information Science, San Diego, CA, May 1996.

“Asian Authorship in Major International Bibliographic Databases: Trends for 1970-1990, Informetrics - 91,” In *Selected Papers Presented at the Third International Conference on Informetrics*, Bangalore, India, August 1991. Edited by I.K. Ravichandra Rao. Sarada Ranganathan Endowment for Library Science, Bangalore, 1993.

**Publications in Progress**

“Uses and Users of a Community Computing Center.” With Teresa Welsh. Submitted to *LISR*, Fall 2000.

*Worldwide Printed Publications: A Compendium and Analysis*. Being prepared for Scarecrow Press, 1999.

**Research and Teaching Grants**

The Language Distribution of Serial Records in the OCLC Online Union Catalog, OCLC Library and Information Science Research Grant Program, August 1989-July 1990, \$10,000.

Database analysis for the 1990 and 1992 books and the articles on the population database, EMBASE and MEDLINE, and corporate author regional studies, DIALOG Information Services, 1989-1991, \$5,000.

Dissertation Research Grant, DIALOG Information Services, ending 1988, \$5,000.

The Virtual Digital Laboratory. Innovative Technologies Grant, 1996/7. \$6,000 plus matching funds. The University of Tennessee.