Libraries, State Library Receive $460,000 Grant for "New Jersey Digital Highway"

The New Jersey State Library and the Rutgers University Libraries, in collaboration with leading museums and archives around the state, received a $460,000 grant in September from the Institute of Museum and Library Services to build the "New Jersey Digital Highway," a portal to the state's rich historical and cultural heritage materials.

Norma Blake, New Jersey State Librarian, describes the project as "an exciting collaboration between the state's cultural heritage institutions and New Jersey educators to immerse our rich historical resources into 21st century learning in a heavily digital environment." A key feature of the "New Jersey Digital Highway" is the active involvement of New Jersey educators in the development of lesson plans and engaging activities that build upon the digital collections around the state.

According to Blake, "the project will also focus on using emerging national and international standards to create digital artifacts that stand the test of time so that future generations in New Jersey can use and enjoy their state's rich history." With a motto, "where history, culture, and learning merge," the "New Jersey Digital Highway" will include customized portals for educators, students, and the general public.

Additional grant partners will play an active role in developing digital collections and working with educators

Image from the front page of the New Jersey Digital Highway website.

to integrate these collections into the education process. Partners in the development of the "New Jersey Digital Highway" include the American Labor Museum/Botto House National Landmark, the New Jersey State Archives, and the New Jersey Historical Society. Agencies participating in collection building include the Camden County Historical Society, Trinity Episcopal "Old Swedes" Church, Rutgers-Newark Professor Kimberly D. Holton's *Ethnographic Oral History Collection* of Newark's Ironbound district, the Seabrook Educational and Cultural Center, and WNET (Channel 13).

"An exciting aspect of this statewide collaboration is the

UNIVERSITY LIBRARIAN'S REPORT

The spring 2004 semester is well underway and so are our initiatives to update *A Bridge to the Future: the Rutgers Digital Library Initiative*, the long-range plan we adopted in 1999. Now, as when the plan was written, technology is playing a major role in how the Libraries provide collections and services that support the university's tri-fold mission of teaching, research, and service. Then, as now, the digital environment does not mean we are less interested in acquiring and providing access to print. Then, as now, the digital environment gives us more opportunities to enhance access and delivery systems that make print more accessible to users.

One the greatest challenges resulting from the expansion of our digital collections is to integrate better access to all forms of information so that it is easier to find what we provide. For example, how might we provide one-stop shopping to integrate IRIS with subject databases and the full-text of our information resources? We are also interested in how technology is changing the way faculty teach and do research in the

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University Librarian's Report
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various disciplines. How can the Libraries leverage their services and collections in ways that enhance how faculty work? What do changes in research and teaching and student learning mean for the library as a place? Should we be providing more space for student collaboration as they work in groups or teams?

Before we begin updating the plan, we are engaging in an environmental scan in two parts. Our subject liaison librarians on all campuses are gathering information from their faculty on what they perceive their needs will be in the next five years. This information gathering project will be followed by several focus group discussions with faculty and students on some major themes resulting from these discussions and from ideas developed by the Libraries. We

hope these efforts will provide substantial background for the steering committee that will start updating the strategic plan in the fall 2004 semester.

In addition, two other initiatives, will be taking place. The Libraries have retained the services of a consulting firm to provide a report on how the Libraries might enhance communication with our core constituencies. The need for this review is apparent as we consider the many changes we implement in a given year and how our users best learn about our services, collections, policies, and personnel resources. Using both print, Web, and face to face communication, what mix of messages and media is appropriate for us? Part of their work will be interviews with key influencers, a Web-based survey, and targeted focus group discussions.

The Libraries' Assessment Committee, working in consultation with the university's Office of Organizational Development and Leadership, is implementing a third initiative. This initiative addresses such questions as: As research libraries are changing, how do we measure our success and continuously improve in areas of importance to the university? What are the key indicators and how do we measure them? The Assessment Committee is evaluating national norms for certain aspects of our work and developing other standards that are appropriate for Rutgers. We expect the results of this work to be tested with our constituencies and then built into our strategic plan.

The Libraries are extremely pleased that we have exceeded many of the goals in *The Digital Library Initiative*, our current five-year plan. The new plan will provide the basis for our annual budget request, the way we assess our achievements, our ability to communicate more effectively with our users, and the environment in which we work. Many of you will be engaged in these initiatives as we ask for your wise counsel and support. I thank you for participating in what we all hope will be a very successful process for mapping our future. •

History Professor Thanks Libraries With Donation of Rare Books and Manuscripts

A longtime Rutgers history professor has shown his appreciation for the university's libraries with perhaps the most appropriate gift of all: ten rare books and manuscripts, including some of the earliest ever printed—comprising a significant addition to the university's Special Collections and University Archives that will benefit students and researchers for generations to come.

Karl Morrison, Lessing Professor of History and Poetics, who has taught at Rutgers for sixteen years, recently presented Special Collections with the volumes and manuscripts, valued at $100,000.

Among the books is a copy of a 15th century folio written by Johann Mentelin. Published in Strasbourg, Germany before 1470, the folio is the first printed work of anti-Semitic commentary on the Bible.

"I have always thought that— after the people who make it up— a university's most valuable resource is its library," said Morrison, a Princeton resident who teaches in the history department's medieval studies program. "Rutgers University and its library system opened up opportunities that I never dreamed of in my walk of life. The time seemed right to say 'thank you.'"

"This is one of the finest gifts we have ever received," said Ron Becker, head of Special Collections and University Archives. "It significantly adds to our growing collection of early printed works, which we showcased in the 1998 exhibition "The First 100 Years of Printing."

The books may be viewed on request during regular library hours in the New Jersey Reading Room of Special Collections and University Archives. For more information, call (732) 932-7006. ●

Professor Morrison takes a close look at one of the rare books he donated to Special Collections and University Archives.

Catching Up With Cutting Edge Librarians: Ronald Jantz Reports In

I arrived at the Rutgers University Libraries in 1997, after a lengthy career in software development at Bell Labs. After taking some time to get my MLS at SCILS, I began work as the Social Sciences Data Librarian, a position that allows me to use my academic training in mathematics and enables me to become involved in many aspects of the digital library infrastructure.

Over the past several years, I have been working in conjunction with librarians and staff at the Scholarly Communication Center, the Libraries' Technical and Automated Services department, and other library departments to develop an architecture and the infrastructure for a digital library repository (DLR) and for digital preservation. The objectives are to provide perpetual access to our digital collections and the resources of others and to create a flexible framework of "core" capabilities with emphasis on interoperability and sustainability. We wanted an open, extensible framework for the DLR that would allow us to grow with the ever evolving needs of the university and our partners throughout the State of New Jersey and that would enable us to keep pace with technological advancements. For digital preservation, we wanted an infrastructure that would provide the capability to preserve the digital surrogates for many different types of objects, such as books, journal articles, maps, photographs, and video recordings. Much of the work in this area is being applied to the "New Jersey Digital Highway," a project funded by a grant from the Institute of Museum and Library Services.

Digital preservation has been one of my main research interests recently and is the subject of the book that I am writing (informal and immodest title: "Digital Preservation: Preserving the Byte Stream in Perpetuity"). Digital preservation is a challenging, multi-dimensional problem involving policies, methods, standards, technology and new roles within the library. Our first real application is the digital preservation of Eagleton Public Opinion Polls by which we "deposit" all of the poll questionnaires and

New Resources at The Rutgers University Libraries

Declassified Documents Reference System

The Libraries newest online resource looks at the documents the Federal Government didn't want Joe Q. Public to see ... for a while.

The *Declassified Documents Reference System* is a full-text database of previously classified documents declassified by the Federal Government. It includes material on both domestic and international affairs from such agencies as the Federal Bureau of Investigation, the Central Intelligence Agency, and the National Security Agency. Currently the database contains approximately 80,000 documents. Documents included in the database range from 1941 through approximately 1998.

Users can access the *Declassified Documents Reference System* from the frontpage of the Rutgers University Libraries website, either through IRIS or on the Indexes and Databases Web pages, under the alphabetical listing.

Electronic Collections Online (ECO)

If a student or scholar wants to assess the journals in their subject area quickly, they should pay attention to this ECO in the Rutgers University Libraries.

Electronic Collections Online (ECO) is a bibliographic database that indexes academic and professional journals in the fields of: agriculture, anthropology, business, economics, education, fine arts, geography, history, language, law, library science, literature, medicine, philosophy, political science, psychology, religion, science, social science, and technology.

ECO offers basic, advanced, and expert search options and includes search history. Searches can be limited to those publications that are listed as being subscribed to by the Rutgers University Libraries. The journal list may be browsed alphabetically by title, by publisher, or by broad subject

categories based on the Library of Congress call number scheme.

Users can access *ECO* from the frontpage of the Libraries website, either through IRIS or by following the paths Indexes & Databases/General & Multidisciplinary / Journals

Columbia Earthscape

One of the Libraries newest resources is quite down to earth.

The *Columbia Earthscape* database contains all formats of information as it relates to the earth and environmental

sciences. Included are: ecology, environment, economy, geography, geology, hydrology, meteorology, oceanography, paleontology and pedagogy. The database is geared to undergraduate research needs with more advanced materials in the area of environmental public policy.

The database also includes original and collaborative new media projects and publications. The database answers a wide range of queries, from the single fact question to a complex scientific research analysis. There are four intended audiences of this material: students, teachers, researchers, and policy makers. Most of the materials in the database are in English, with some treaties and legislation appearing in their original language.

Full searching details, techniques, and content notes are available online at: http://usearch.cc.columbia.edu/earthscape/all/help/.

Users can access this resource from the frontpage of the Libraries' website, either from IRIS or by following the path Indexes and Databases/Science, Technology, and Math / Environmental Sciences.

Reuters Business Insight

Strategic market research and analysis is now only a few clicks away.

Reuters Business Insight provides over 100 full-text strategic management and market analysis reports on selected industry sectors: consumer markets, healthcare, energy, financial services, and technology. Each report is based upon unique market research and provides detailed analyses of major markets; examining the market dynamics; assessing the relative strengths and weaknesses of the key players; and providing forecasts for market size, growth, and composition.

Users can access *Reuters Business Insight* from the frontpage of the Libraries website, either through IRIS or by following the path Indexes and Databases / Business

Datamonitor Business Information Center

One stop shopping for current, comprehensive company data might be a fervent wish for a business researcher and this wish has been granted.

Datamonitor Business Information Center provides original industry and company reports based on published research and primary and secondary data sources. This collection includes:
2,500 market research reports
10,000 company profiles
500 company SWOT analyses
50 country profiles
News and commentary

Reports in the database cover the most recent twelve month period. The news and commentary archive goes back two years. New reports are released weekly, with daily updates of news and commentary.

Users can access *Datamonitor Business Information Center* from the frontpage of the Libraries website, either through IRIS or by following the path Indexes and Databases / Business. •

Libraries Get Wireless

In a bid to stretch our resources and broaden the options available to users, the Rutgers University Libraries added wireless capabilities to a number of well-traveled areas in our buildings in Newark, New Brunswick, and Piscataway.

This new service will allow any Rutgers student, faculty, or staff member using a laptop computer equipped with a wireless card to access the Internet and use Rutgers online services from the following locations:

ALEXANDER LIBRARY
Atrium (lower level), reference area (1st floor), undergraduate reading room (1st floor), graduate reading room (3rd floor), Scholarly Communication Center (4th floor),
DANA LIBRARY
1st floor, south wing
2nd floor, south wing
KILMER LIBRARY
1st floor study areas
LIBRARY OF SCIENCE AND MEDICINE
1st, 2nd, and 3rd floor study areas
SERC READING ROOM
Entire reading area

Wireless capability will also be added to the Art Library, the Chang Science Library, and the Paul Robeson Library shortly.

Only users who have a Rutgers email account, and have obtained a NetID, are able to use the wireless network. Many late-model laptops

Rutgers University Wireless logo, posted in areas on campus where wireless capability is available.

come equipped with wireless capability, but older models will need a wireless card that can be purchased for under $100 at the Rutgers Computer Store or at computer or office supply stores.

For more information on wireless capabilities at Rutgers, including technical specifications and access requirements, please see this website: http://ruwireless.rutgers.edu/. The

Libraries' FAQ page on wireless access can be viewed at: http://www.libraries.rutgers.edu/rul/ask_a_lib/wireless.shtml

For specific inquiries, users can contact the Rutgers University Computer Services help desk on their campus. The phone numbers are:

Camden Computing Services Help Desk
(856/225-6274)
New Brunswick Computing Services with the RUWireless Feedback form
(732/445-HELP)
Newark Computing Services Help Desk
(973/353-5083)

The Libraries are grateful for the support from the office of the university vice president for academic affairs, which enabled us to add this new service. Many thanks, as well, to the staff from Rutgers University Computer Services (RUCS), who are working with Libraries staff to implement the technical changes and equipment needed. ●

LinkSource Saves Clicks

Many library resources are now available online, but getting around from one electronic resource to another can sometimes be a challenge. Suppose you are a faculty member in your office on campus, you search *Medline* for articles on a topic, and you find some really useful citations. How do you get the text of the articles? Do you have to search IRIS, the online catalog, and go to the library? Or, can you find it online right away?

Enter LinkSource, a service that enables linking among electronic resources. Once you find a citation you like in *Medline*, or another database that responds to this software, you will in many cases be able to click directly to the full-text of the article cited.

The Rutgers University Libraries have become a technology development partner with EBSCO Information Services for development of

LinkSource. The number one public service goal for the Libraries this academic year is to improve access to electronic resources and services through evaluation and recommendation for acquisition of an OpenURL resolver service. An OpenURL resolver uses information from a citation (metadata) to create a

URL that can be used to link to various targets, such as the article full-text, library holdings, and other kinds of information.

A working group of public services librarians assisted by the head of acquisitions met with various OpenURL developers, sponsored a forum for librarians and library staff, and recommended the EBSCO partnership. An implementation team is now working with EBSCO to enable linking from our online databases to the electronic full-text of articles if available. Our initial implementation of LinkSource will also include links to our IRIS online catalog for locating print

"New Jersey Digital Highway"

opportunity for large and small organizations to contribute actively in building a significant digital collection," said Angelica Santomauro, Director of the American Labor Museum/Botto House National Landmark. Susan Kaplan, Consultant for Marketing at the New Jersey State Library and a grant co-principal developer, agrees. "The New Jersey Digital Highway" is the grassroots effort of the state's libraries and cultural institutions to reveal - through digitization - the hidden gems in their collections."

The State Library has significant experience in digitization and will spearhead training the partner organizations in digital collection building, a major component of the "New Jersey Digital Highway". "The grant will also purchase laptops and high quality scanners that will be 'loaned' to participants so that they can manage the onsite digitization of their materials," Kaplan explained. "This training builds active community involvement into the design of the New Jersey Digital Highway."

The inaugural thematic collection, which will be built by contributions from many institutions, is *The Changing Face of New Jersey: the Immigration Experience from Earliest Times to the Present*. "In a very real sense, the history of New Jersey is the history of the immigration experience," said Marianne Gaunt, University Librarian at

Rutgers University. "New Jersey is the most diverse state in the nation, and this is reflected in its rich mosaic of history, art, and cultural resources. Immigration is a compelling area for research at any educational level."

The Rutgers University Libraries will be building the technical framework to support the "New Jersey

New Jersey Digital Highway
Where History, Culture, and Learning Merge

NJDH collections

Teachers' Portal

Students' Portal

Content Contributors

About Us

Project Partners

Join the NJDH

Contact Information

Questions / Comments

The NJDH will enable teachers and learners everywhere to study the array of rich historical and cultural artifacts preserved by New Jersey's libraries, historical societies, museums, and archives.

Digital Highway." "The Rutgers University Libraries are already partners in a number of far-reaching digital collaborations to support the education of New Jersey's citizens. The New Jersey Digital Highway is a natural next step for us," said Gaunt.

Linda Langschied, head of the Scholarly Communication Center at Rutgers University Libraries and principal investigator for the development grant, views the project as a welcome challenge for the Libraries' developing digital library infrastructure. "We are building a next-generation repository that focuses on customized access for different types of users, via
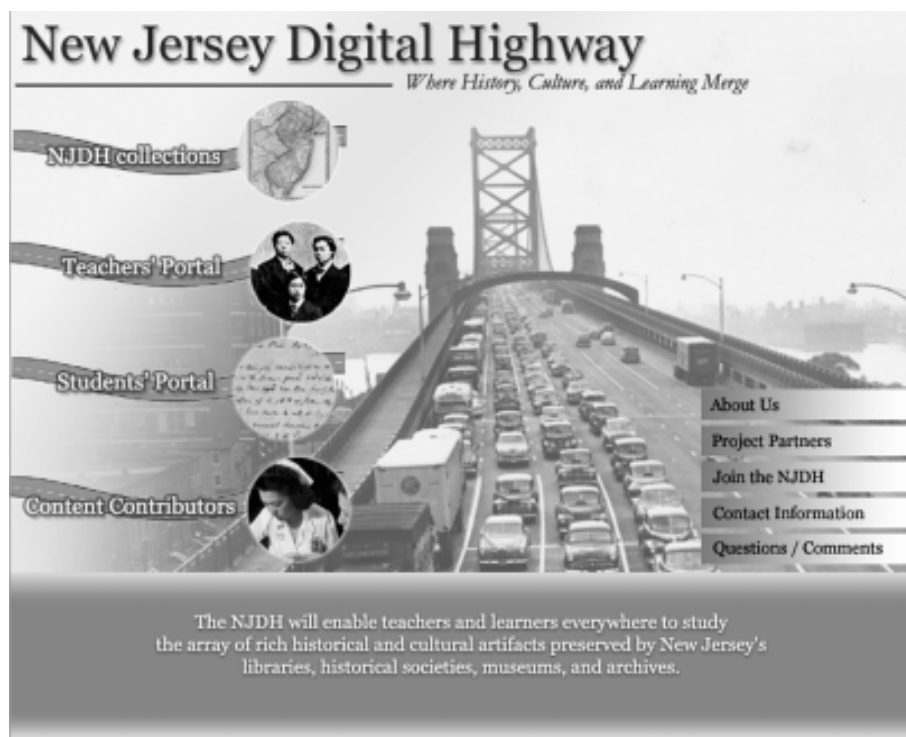
portals specific to their unique needs. Students find and use information differently than their parents or teachers. The customized portal is a simple but powerful concept that will make digital resources truly integral to personal learning and research. The standards and technologies are finally available to support information use that intimately engages the user."

Chris Van Orden, President of the New Jersey Council for the Social Studies, concurs. "The amount of excitement generated from a project of this nature is contagious and can lead to a multidimensional educational experience that benefits everyone."

The Institute of Museum and Library Service (IMLS) is a federal grant-making agency that fosters innovation, leadership, and a lifetime of learning by supporting the nation's museums and libraries. For more information about IMLS: http://www.imls.gov.

For more information about the grant-funded "New Jersey Digital Highway" development, contact Linda Langschied, by email at langschi@rci.rutgers.edu or phone, 732-932-8573 (x176). Citizens of New Jersey and others can watch the development of the "New Jersey Digital Highway" at: http://www.njdigitalhighway.org. •

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numeric data in non-proprietary format into the digital library repository. The repository provides both access to the polls and digital preservation. Some 140 polls are now "digitally preserved" in our prototype digital repository at http://www2.scc.rutgers.edu/dlr. Some unique technologies are being used in this process. For example, digital signatures are computed automatically for each byte stream and these signatures are checked daily to see if there has been any unauthorized change in the data, e.g., from a hacker.

I discussed the digital preservation of Eagleton polls in my recent article for *D-Lib Magazine,* which you can read at

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http://www.dlib.org/dlib/november03/jantz/11jantz.html. In related research, I have submitted an article to an upcoming conference on the very interesting aspect of "trustworthy digital repositories" and what we will need to do to engender trust.

At Bell Labs, I was immersed in software development methodology and related issues such as reusable platforms. In the software industry, platforms are considered one of a class of reusable software entities including objects, subroutines, code segments, and complete systems. Platforms typically are operational subsystems that provide complete functionality and require small modifications or additions

in order to customize the platform for a particular application. One frequently finds the platform concept in other industries such as automobile manufacturing in which the same engine or chassis is used across many different models. This type of reuse can dramatically improve quality and reduce the time and complexity of creating products to satisfy different types of markets.

Using this reusable platform concept, I developed a Web-bibliographic database that can be customized for many different types of applications. To date, the platform, referred to as "World's Peoples," has been used by two history professors and one librarian at the Libraries. The platform is also freely available to anyone and can be downloaded from the SCC website from this URL: www.scc.rutgers.edu/scchome/technical/platform/wp_platform.htm. This reusable platform concept was the subject of an article I co-authored with Rudy Bell, entitled "Do It Yourself Courseware" and published in the magazine *Syllabus,* February, 2003.

LinkSource Saves Clicks

versions of needed journals. Other link options may be added in the future.

Many, but not all, of the databases to which the Rutgers University Libraries subscribe currently support the OpenURL standard. Our implementation began with *Academic Search Premiere, Web of Science,* and all OVID databases (*Agricola, Biosis Previews, CAB Abstracts, CINAHL, Compendex, Econlit, ERIC, Health and Psychosocial Instruments, Healthstar, Inspec, International Pharmaceutical Abstracts, Medline, MLA International Bibliography, PAIS, PsycINFO, SocioFile, Wilson Art Abstracts, Wilson Applied Science and Technology,* and *Wilson Humanities Abstracts*). We are working with our other database vendors to incorporate LinkSource into as many databases as possible. For

those databases that do not presently have LinkSource, you will need to search the title of the journal in IRIS to determine whether or not we own the issue you need electronically or in paper.

LinkSource will get as close to the full-text as it can, given the structure and quality of the information from the citation database and the full-text journal. If you are taken to a publisher website instead of directly to the article desired, you can usually navigate to the full text.

If the Libraries do not hold the journal issue you need electronically or in paper, you may be able to use interlibrary loan. Interlibrary loan is available to current students, faculty and staff. More information can be found at http://www.libraries.rutgers.edu/rul/lib_servs/delivery.shtml.

An important benefit of the LinkSource implementation is an enhanced electronic journals list on our website. EBSCO's *A-Z Listing* service is being used to manage our electronic journal subscriptions, which now number nearly 20,000. The *A-Z Listing* includes holdings and embargo information for all electronic journals cataloged in IRIS as well as those available within online databases and not cataloged in IRIS. It is this data that runs the OpenURL linking service. It has been made available on the Libraries Electronic Journals Web page at http://www.libraries.rutgers.edu/rul/rr_gateway/ejournals/ejournals.shtml.

More information about LinkSource can be found at http://www.linkresolver.com/, and you can also contact us online via our Ask A Librarian service at http://www.libraries.rutgers.edu/rul/ask_a_lib/ask_a_lib.shtml.

In the future, OpenURL may be able to help us make even more connections for you –perhaps to a cited reference search, to a directory to determine if a journal is peer reviewed, to more information about the author, to open archives where an article could be freely available when we do not have a subscription, or maybe our document delivery services. Keep watching.

University President Speaks at Donor Recognition Event

T he Libraries inaugurated a new tradition November 14th, by holding our first donor recognition event in the Scholarly Communication Center of Alexander Library. University Librarian Marianne Gaunt greeted all guests and Rutgers University President Richard McCormick spoke to the assembled about the centrality of the Libraries to the University's mission. President McCormick praised the leadership role of the Rutgers University Libraries in the world of academic libraries.

In the photo on the left, Michael and Constance O'Mara of Medford, NJ, speak with President Richard McCormick at the recognition event.

In the photo on the right, the University Librarian stands with recipients of special honors at the recognition event. From left to right: Marianne I. Gaunt, Lucy D. Chang, Ira Lomench, Allen Ross, David Cayer, Elizabeth Cayer, and Margaret Kruse.

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