

FIAT LUX

Moffitt revitalization is underway

NEW SPACES SUPPORT HOW TODAY'S STUDENTS LEARN



Moffitt Library's fourth floor will feature collaborative space with transparent, movable walls, ready for students' sketches and calculations.

A revitalization of Moffitt Library now underway is turning it into the premier campus location for undergraduate study. New spaces on the fourth and fifth floors will serve as magnets for social and group learning, while other spaces will support quiet, solitary work. Technology-rich, 24-hour floors will empower the around-the-clock, 21st century learning style of today's students.

"We model fresh thinking about ways to support today's students who are active, connected, distracted and ambitious," says associate university librarian Elizabeth Dupuis. She emphasizes the need to adapt the four-decade-old Moffitt to help undergraduates make the best use of their study time.

Gensler—the architectural design firm involved in the project—is known for its service-based design. Their background includes work on Apple stores, Facebook's headquarters, the newly renovated Terminal 3 of San Francisco International Airport, and the new UC Berkeley Extension San Francisco campus.

Students eagerly await the collaborative spaces, snack-friendly policies, and increased availability of Moffitt (projected to be 24 hours during the academic year). Jenna Maughan ('18) says that "We can definitely benefit from more group study areas. It's also great that Moffitt will be open 24 hours because a lot of us stay up late."

continued on page 3-4

The University Library

University of California, Berkeley

DOE/MOFFITT LIBRARIES

Charles Franklin Doe Memorial Library
David P. Gardner Stacks
James K. Moffitt Library
Graduate Services
Media Resources Center
Alexander F. Morrison Memorial Library
Newspapers and Microforms
South/Southeast Asia Library

SUBJECT SPECIALTY, EAST ASIAN, AND BANCROFT LIBRARIES

The George and Mary Foster Anthropology Library
Art History/Classics Library
The Bancroft Library
Marian Koshland Bioscience and Natural Resources Library
Thomas J. Long Business Library
Chemistry and Chemical Engineering Library
Earth Sciences and Map Library
C.V. Starr East Asian Library
Education-Psychology Library
Kresge Engineering Library
Environmental Design Library
Mathematics Statistics Library
Jean Gray Hargrove Music Library
Pamela and Kenneth Fong Optometry and Health Sciences Library
Physics-Astronomy Library
Sheldon Margen Public Health Library
Social Welfare Library

AFFILIATED LIBRARIES

Architecture Visual Resources Library
Earthquake Engineering Research Center Library
Environmental Design Archives
Ethnic Studies Library
Giannini Foundation of Agricultural Economics Library
Institute of Governmental Studies Library
Institute of Industrial Relations Library
Harmer E. Davis Transportation Library
Garrett W. McEnerney Law Library

“I HOLD A LIBRARY
AND EDUCATION
TO BE ALMOST
SYNONYMOUS.”

—Professor William
Swinton, University
Librarian 1869-1874

As the intellectual commons of the Berkeley experience, the University Library serves tens of thousands of students, faculty, and visiting scholars each year. It provides the resources they need for exploration and new discoveries in fields spanning the sciences, arts and humanities, and social sciences, as well as the interdisciplinary explorations that are a particular strength at Berkeley.

The Library is at the heart of the University’s mission of teaching, research, and public service.

MOFFITT REVITALIZATION IS UNDERWAY

Carmen Zheng ('17) adds that “Most of us crave open, co-working spaces, as well as independent carrels. **For their perfect library, undergraduates today want portable chairs, snacks and coffee for fuel, natural light, and of course abundant technology access!**”

Students are glad that during the construction work, the other floors in the popular library—as well as the Free Speech Movement Café—remain open and available. The new 4th and 5th floors will welcome students in fall 2016.

Berkeley faculty enthusiastically testify to the need for collaborative, technology-equipped library spaces to support student learning. Barrie Roberts, who teaches public speaking, notes that “My College Writing colleagues and I are thrilled that we’ll finally have a place where students can experiment and develop their individual and group presentation skills, aided by cutting-edge technology.”

Sara Beckman, who has taught courses on design, technology and operations management, and entrepreneurship at Haas School of Business for over three decades, comments that “The new Moffitt space will be the perfect setting in which students can work in interdisciplinary teams and learn to apply their knowledge to important world problems.”

Together with the new study spaces, the Moffitt revitalization is addressing much-needed improvements to the building’s infrastructure. These include expanded restrooms, upgraded elevators, and a new roof, along

with 21st century standards for access, heating and ventilating. Enhanced power supplies and augmented wireless access points for digital devices will be welcomed by all visitors to this heavily used library.



Haas faculty member Sara Beckman says “As pedagogy changes, we will increasingly leverage the amazing talents of the Berkeley student population in peer-to-peer learning, in situations that range from solution of simple problem sets to engagement in deep collaborations to solve so-called ‘wicked problems.’ **Peer-to-peer learning, whether one-on-one or in small groups, requires exactly the flexible, modernized, technology-empowered spaces that are being developed in Moffitt.**”

Highlights of Moffitt's New Floors

- Two meeting rooms for up to 10 people, outfitted for video conferencing and video capture, so students can prepare for class presentations or interviews
- Natural light and views to Strawberry Creek, the Eucalyptus Grove, Doe Library and Memorial Glade
- Library learning lab offering an array of free workshops, including a digital literacy program pilot
- Meeting rooms on both floors for up to six people
- Ample supplies of whiteboards and open collaborative spaces
- Technology for loan includes laptops, tablets, and portable projectors
- Computer stations, scanners and printers available on both floors
- Wellness space to help students manage stress through stretching, meditation, and power naps
- Vending machines to fuel students during prolonged stints of study
- The terrace next to Memorial Glade will become a new entrance to Moffitt, and a welcoming outdoor community space for campus.

The \$15 million project is primarily funded through the generosity of our donors, with additional support from campus. As well as the current 4th and 5th floor work, modernizing the first three floors is at the top of the University Library's priorities. ☀️



Carmen Zheng (B.S. and B.A. '17) notes that the "Moffitt Library renovations thrive on innovation and a new way to work together. A good study environment is critical at a challenging school like Cal!" Project planners worked with numerous student focus groups to gather priorities for the revitalization.



"Maker Space" coming to Moffitt

A Maker Space will debut in Moffitt Library this spring, featuring 3D printers. The equipment enables students and other campus individuals to use this cutting-edge technology, through which three dimensional objects are created by laying down successive layers of material. In other campus Makerspaces, Berkeley students have created objects such as sports equipment prototypes, electronics board cases, and building detail models on 3D printers.

The advent of this technology has spurred on the Maker movement, a diverse subculture that is reconnecting people to the possibilities of hands-on creation and construction.

Support from the UC Berkeley Student Technology Fund made the purchase possible. The venture represents a partnership between the University Library, Educational Technology Services, and Student Affairs Information Technology.

Preserving the scholarly record

Digitization and collections for the next century of scholars

The Berkeley Library is one of the preeminent public university libraries in the world. As the Library collects resources to support research and teaching, it does so with an eye on potential uses decades in the future. This means that, alongside the immediate need to make these items available, the Library also prioritizes storage and curation.

Although the 27 Berkeley libraries have over 53 miles of stacks, there is not nearly enough space to keep all the collections on campus. So, just ten miles northwest of campus, the Northern Regional Library Facility (NRLF) houses over seven million volumes, ensuring long-term preservation and easy access.

Fittingly, NRLF is located on the site for the University's newest and boldest venture, the planned Berkeley Global Campus. Envisioned as a coalition of leading academic institutions and private sector and community partners (see bgc.berkeley.edu), those at the BGC will be able to utilize the advantages of a top-notch library close at hand.



The tiniest book at NRLF is this miniature 1966 book of poems with illustrations, by Serbian poet and artist Đorđe Isakov (1927-2001).



NRLF's reading room provides research space for users, and will be a key resource for the planned Berkeley Global Campus. Taken together, the 10 UC libraries form the largest research collection in the world.

An Essential Facility

Total capacity at NRLF is 7.4 million volumes. The facility is different from Doe, Moffitt and other libraries on campus in that it prioritizes book storage and preservation over inviting study and reading spaces. NRLF features higher-density shelving than what is found in campus libraries, in large rooms that are temperature and humidity-controlled to ensure long-term preservation of books, micro-formats, maps and even LPs.

NRLF and its sister facility, the Southern Regional Library Facility, collectively store over 14 million of the over 40 million items in the University of California Library system. NRLF and SRLF have both been expanded over time, as collections grew. And, as Berkeley professors Hickey and Koziol testify (see story on p. 8), it will soon be time to expand NRLF again.

The Backbone of Preservation and Access

Far from a simple book warehouse, NRLF is now the backbone of preservation and collection access for UC Libraries.

- NRLF is a major contributor to Library digitization initiatives, collaborating with Google to digitize three million volumes so far. **The full text of almost a million volumes is accessible to the general public through Google and the HathiTrust.**
- NRLF is leading the digitization of UC Berkeley theses and dissertations. This project of over 40,000 historic works is focused on preserving and improving access to the original scholarship of UC Berkeley.
- More than 60% of Doe Library's collection is housed at NRLF.
- Twenty-five percent of NRLF's holdings are special collections. These holdings range from historic records of California's prisons and of her logging industry to 17th century French manuscripts and the papers of Nobel-prize winning physicist Ernest Orlando Lawrence.
- In partnership with the 10 UC campuses, NRLF and SRLF are building a unified print and digital archive of federal documents held by UC Libraries. This archive will greatly benefit researchers accessing these heavily used materials across the UC system.
- NRLF is a key partner in WEST, a print journal archiving program shared by over 100 libraries in the western U.S.



About 1250 requests are processed at NRLF every week. Shown here is Yu Ting Bu, who loved her student job at NRLF, and says “I had never seen so many books before.” Yu Ting graduated in environmental economics and policy last year.

FIAT LUX, or LET THERE BE LIGHT, is the motto of the University of California. The Fiat Lux newsletter of the Library at the University of California, Berkeley is published quarterly by the Library Development Office, University of California, Berkeley.

Your feedback and suggestions are warmly invited. You can reach us at (510) 642-9377 or give@library.berkeley.edu

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PHOTOGRAPHY
Peg Skorpinski, p. 5-9

Investment Needed

Although much of the publishing world is going to digital formats, UC libraries still necessarily acquire hundreds of thousands of print volumes every year. On campus, libraries are increasingly called on to meet new needs, including technology-rich learning requirements, collaborative space for groups, and new research habits. (See the Moffitt Library story in this issue for an example.)

While floors full of books may no longer be the center of campus libraries, the need to acquire and preserve these items for researchers remains. Current projections are that NRLF will begin exceeding its capacity in 2017, posing a challenge for the continued preservation of Berkeley's new collections.

Erik Mitchell, associate university librarian, points out that nothing is more central to the Library's mission than preserving our invaluable collections for future researchers.

“It's impossible to predict all the innovative uses to which scholars of tomorrow will put our materials,” he says.

One example is a digitization project to convert government documents from the 1940s into computationally-ready data for a pair of doctoral students. The books contain U.S. military procurement records, and should reveal a snapshot of the industry at the time that researchers can use alongside other data to study history, economics and other topics in new ways. Had these documents not been preserved, our researchers would not have even known they existed.

Mitchell adds that projects like these fuel his continual amazement “at how central the RLFs have become to serving the mission of UC libraries, and how their collections are being rediscovered by new generations of researchers.” ☀



At NRLF, new deposits amount to about 200,000 items per year. Charlotte Rubens, shown above, served as head of NRLF until last year.

OFF-CAMPUS LIBRARY FACILITY NEEDS ROOM TO GROW

by Todd Hickey and Geoffrey Koziol

excerpted from the Daily Cal 1/30/15



It might be thought that the problem of physical storage of physical copies of research volumes is old-school and that NRLF will soon be unnecessary. After all, many people seem to believe that hard copies will soon be outmoded because nearly everything one reads can be digitized and made available online. Some of the same people argue that universities will strongly benefit from this change because they will no longer need to spend money buying books and journals only occasionally consulted or building the facilities to store them. Both claims are false.

We do not say this because we are Luddites who romanticize books. Far from it. Many who do research in the humanities and social sciences know the value of digitization. Most of us not only use online materials—we rely on them. We could not do our research or our teaching without them. Precisely because we are such heavy users of online resources, we know their advantages and their limitations. And there are limitations.

As a number of recent studies have shown, reading on a screen is very efficient for many purposes—but not for all purposes. No one can analyze a complex argument presented in a 500-page book using ebrary or ACLS e-Books (try it sometime). No one can do research if they have to wait five minutes for a single page to load from Internet Archive. In any case, the majority of editions available online were made available only because they are so old that they have passed into the public domain. Nothing in the foreseeable future is going to do away with the need for hard copies of books. NRLF is not sexy, but it is essential.

The obvious solution is to add capacity at the existing site at NRLF. Certainly, it is the cheapest and fastest solution. NRLF's existing buildings were constructed modularly, anticipating the need for expansion, so the space is available, while loading docks, roads, reading room and, not least, skilled staff is already in place. The buildings need to be climate-controlled but do not need to be expensive displays of cutting-edge architectural design (after all, they are basically warehouses). And because UC Berkeley is by far the largest user of NRLF (and also the largest supplier of materials), it makes obvious sense to keep the holdings nearby.

Geoffrey Koziol is a history professor at Berkeley, specializing in medieval history. He is currently working on a version of Marc Bloch's 1939 *Feudal Society* for the 21st century.

Todd Hickey is professor of classics, and director of the Center for the Tebtunis Papyri at the Bancroft Library. Hickey is working on a collective biography of the crocodile priests of Tebtunis.

- > To read the full version of their column, see www.dailycal.org/2015/01/30/off-campus-library-facility-needs-room-grow/

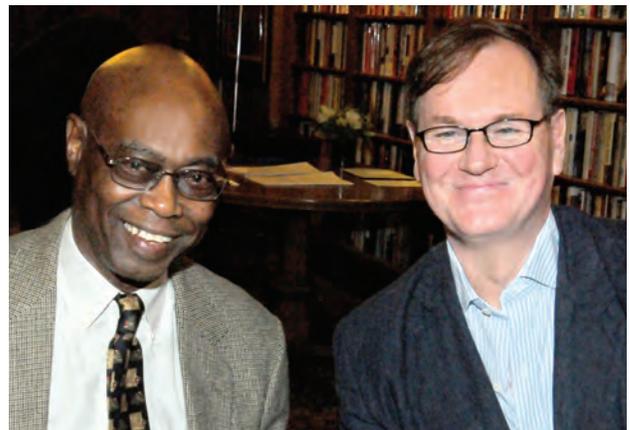
WELCOMING JEFFREY MACKIE-MASON

The Library Advisory Board welcomed the new University Librarian at a reception and dinner in October. “I’ve always been passionate about service to the public, and about the opportunities for information professionals to improve the world,” MacKie-Mason says. “I am humbled—and a bit giddy—to serve as University Librarian on one of the best campuses in the world. Berkeley is an extraordinary place!”



At the dinner, Mackie-Mason was interviewed by poet, professor and LAB member Robert Hass. The lively dialogue covered his academic and personal background, as well as the exciting potential of libraries in a digital era.

LAB members William Banks, professor emeritus, with Garry I. Parton '86. Banks is the former chair of Berkeley's African American Studies Department; he currently teaches a freshman seminar on sport, celebrity and American culture. Garry Parton is a performing arts consultant based in New York.



MacKie-Mason with LAB President Charlene Liebau and Camilla Smith. Liebau praises MacKie-Mason's vision of how **libraries and librarians are “more essential than ever before, to help us access and evaluate the vast amount of information and data available today.”**

- > follow Mackie-Mason's reflections on libraries and the information age at madlibbing.berkeley.edu



Helen and Paul Chapman, seated alongside the Mark Twain sculpture in Doe Library.

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THEN & NOW

The Gardens of Learning

This 1924 image offers a view of Doe Library with the Botanical Garden in the foreground. The first small campus garden was established in the 1870s on the site now occupied by Moffitt Library.



In 1894, a large glass conservatory modeled after the London Crystal Palace was the center of the official Garden.

Since moving to a 34 acre site above campus, in Strawberry Canyon, the Garden has expanded to include over 13,000 different kinds of plants from around the world, including many rare and endangered ones. Cacti are the best represented family.



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**“NOTHING ABOUT US, WITHOUT US”:
THE 25TH ANNIVERSARY OF ADA**
Bernice Layne Brown Gallery, Doe Library
through February 12, 2016
check lib.berkeley.edu for hours

The Americans with Disabilities Act (ADA) was signed into law on July 26, 1990, by President George H.W. Bush. The ADA is one of America's most comprehensive pieces of civil rights legislation that prohibits discrimination and guarantees that people with disabilities have the same opportunities as everyone else to participate in the mainstream of American life—to enjoy employment opportunities, to purchase goods and services, and to participate in state and local government programs and services. The exhibition draws on the history of the disabled, the activism of the 1970s, and events which led to the passage of the ADA.



NO LEGACY || LITERATURA ELECTRÓNICA

Bernice Layne Brown Gallery, Doe Library
March 11 through August 2016
check lib.berkeley.edu for hours

This exhibit, NL||LE, presents a collection of digital works of literature—in Spanish, Portuguese, Catalan as well as English—side by side with experimental print materials from the

past century. Meant to be read in computers and other digital devices, the electronic stories and poems reveal new ideas about literary and media developments and encourage visitors to interact with the machines. Exhibit cases and tables were designed by students in a Berkeley Center for New Media seminar. Through the use of vintage computing equipment, NL||LE also highlights challenges involved in the preservation of electronic literature.