

THE LIBRARY

The Heart of the University



PennState
University Libraries

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Message from the Dean

GREETINGS:

ANOTHER FALL SEMESTER IS WELL UNDER WAY AT PENN STATE, and students are finding spots throughout our Libraries facilities to settle in and focus — in solitude, in quiet study spaces, or in collaborative clusters in our group study rooms. We have witnessed an exceptionally invigorating and busy fall semester, with a plethora of activities and ever more students entering our doors and seeking our services.

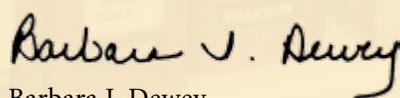
We are planning for a new collaborative space in Pattee Library, news of which we first shared with you last fall. This project, which would double the size of our immensely popular Knowledge Commons, has been termed the Collaboration Commons. If funded, it will help us address the high demand for group study and work space, which is well documented. Our group study rooms in the Knowledge Commons accommodated more than 20,600 reservations last year. However, at the same time, we were unable to accommodate 2,500 groups seeking a place to work together.

On Tuesday, December 1, we will be featured in Penn State Annual Giving's second annual Giving Tuesday philanthropic event, specifically in support of our student-centered Libraries textbook fund. It provides free access to course materials to help students alleviate a portion of the financial burden related to their cost of attendance. Subject-specific textbooks are available on reserve, and frequently requested, at our Libraries locations University-wide. We are incredibly proud of this initiative and would love to expand its reach to assist as many students as possible. I encourage you to read more about Giving Tuesday and the Libraries textbook fund on page 7.

A new era of Libraries leadership commenced in August with the arrival of our remaining two new associate deans, Karen Estlund and Anne Langley. Their brief bios are listed on page 4 among those of other new arrivals and current Libraries faculty and staff excelling in their roles.

Clearly, we have much to be thankful for and to look forward to as we approach a new year and new semester. We hope you share our enthusiasm for our efforts and our service in supporting the bright future of our students, our faculty, and our collective endeavors.

Sincerely,



Barbara I. Dewey,

Dean of University Libraries and Scholarly Communications



On the Cover:

Penn State President Eric Barron chats with students in the Paterno Family Humanities Reading Room. Standing are students Shihan Shoukath, senior, computer science, from Dubai, and Gina Sarkawi, sophomore, geoscience, Jakarta; seated are Azmina Mohideen, senior, economics, Singapore; Lisa Vandetty, senior, political science, Havertown, Pa.; and Qihan Liang, applied statistics, sophomore, China (town not provided).

AS I SEE IT

WITH ANN PASSMORE

DIGITAL PROCESSING SPECIALIST, B.F.A.

PHOTOGRAPHY, PENN STATE 2007

Ann Passmore, digital processing specialist, helps digitize many of the most delicate and sometimes physically challenging items to be scanned from among the Libraries' collections. She joined the University Libraries' Digitization and Preservation Department in 2012.

WHAT DO YOU DO ON A DAY-TO-DAY BASIS?

I help set technical specifications for projects and interpreting library standards. I also troubleshoot equipment and do quality control. I also work closely with Cheri Banks, our digital processing coordinator, and Bill Minter, the senior book conservator. If we receive collections in a fragile state, they need to be stabilized before they can be digitized. We might get a book with a really large, crumbling foldout, or it might have been folded for so long that creases can't be undone without damage.

WHAT HAVE YOU BEEN WORKING ON RECENTLY?

With Bill's help, I've been building a custom setup for scanning materials for the People's Contest, an ongoing Civil War-era digital archiving project. It includes a mix of collections from Penn State, historical societies, and different repositories all over Pennsylvania.

Our department, with the Special Collections Library, also recently finished digitizing selected landscape architecture drawings from the A.E. Bye Papers Collection. It had a mix of materials that required the overhead camera for fragile drawings and our large format roller scanner for those in better condition.

Visit www.libraries.psu.edu/psul/digital.html to see Libraries collections that Passmore and her colleagues have digitized.



WHAT WOULD YOU LIKE PEOPLE TO KNOW ABOUT DIGITIZATION AND PRESERVATION?

We serve many units across Penn State and organizations outside Penn State. We recently digitized campus yearbooks from Wilkes-Barre, Harrisburg, DuBois, and Greater Allegheny. We also help researchers with large-scale scanning and optical character recognition projects, to use for text analysis. Six of us work in Digitization, but if we have a large project, the entire department might participate in scanning. When we digitized the Sanborn Fire Insurance Maps Collection, everyone in the department was involved.

WHAT DO YOU LIKE BEST ABOUT WORKING HERE?

I love working with unusual material, like glass plate negatives, large-scale mining maps, oversized books, foldouts ... the variety of material is really interesting and you constantly have to be on your toes, as every project is different! I also like that I have the opportunity to work with new technology, as I'm doing now with our new Phase One overhead camera.

NEW AND NOTABLE

■ ANNE LANGLEY, associate dean for Research, Collections and Scholarly Communications, provides leadership, strategic direction, and support for the Engineering, Earth and Mineral Sciences, Life Sciences, Physical and Mathematical Sciences, Arts and Humanities, Education and Behavioral Sciences, Social Sciences, Special Collections, and Business libraries, and the Research Hub, among other areas. Langley came to Penn State from Princeton University, where she was director of Scholarly Communications and head librarian for the Science and Technology Libraries. She recently was named vice president/president-elect of the University of Tennessee's School of Information Sciences Advisory Board.



■ KAREN ESTLUND, associate dean for technology and digital strategies, provides leadership, strategic direction, and support for information technology, overseeing Digitization and Preservation, discovery, Library Technology (I-Tech) and Web services, Media and Technology Support Services (MediaTech), and the Libraries' digital research repository, ScholarSphere. She also serves as liaison to Services and Solutions, a unit of Penn State's Information Technology Services. Estlund previously served as head of the Digital Scholarship Center and associate librarian/professor at the University of Oregon.



■ Penn State University Press Director PATRICK ALEXANDER was named to a three-year term on the Association of American University Presses (AAUP) board of directors. As an at-large AAUP board member, Alexander will serve as a liaison for two association committees, Journals and Admissions and Standards.



■ ZOE CHAO joined the University Libraries as user experience librarian for the Assessment Department. She previously served as metadata and discovery services librarian at the University of New Mexico. Her professional interests include user experience, design, data analytics, and information architecture.



■ BRENT HURLEY, the Libraries' associate director of development and alumni relations, has more than 13 years of Penn State experience. Most recently he managed alumni and industry relations for the Department of Geosciences, and in his University career also has served in related roles for the Penn State Alumni Association and the College of Education.



■ GLENN MCGUIGAN was named library director at Penn State Harrisburg. He has served with Penn State's University Libraries for more than 15 years. Previously, he held the positions of business and public administration reference librarian and reference and public services coordinator.



■ REBECCA MILLER joined Penn State as head of Library Learning Services. She came to the University from Virginia Tech, where she served as assistant director of Learning Services and information literacy coordinator and college libraries for science, life sciences, and engineering.



■ ROBERT OLENDORF, science data librarian who holds the inaugural Eric N. and Bonnie S. Prystowsky Early Career Science Libraries Professorship, came to Penn State from the Los Alamos National Laboratory, where he was a solutions architect. He worked on repository design and data management. Previously, he served as research data librarian at the University of New Mexico.

JUST LEARN IT

PROMOTING ACTIVE LEARNING IS A FOCUS OF THE STUDENT-CENTERED KNOWLEDGE COMMONS, WHICH HOUSES THE NIKE, INC. MULTIMEDIA CLASSROOM, A SPECIALIZED INSTRUCTION SPACE AVAILABLE TO ALL STUDENTS WHEN NOT RESERVED FOR CLASSES. EQUALLY POPULAR

WITH FACULTY AND STUDENTS, THE NIKE CLASSROOM IS PARTICULARLY SUITED AS AN ENGAGED LEARNING ENVIRONMENT FOR LARGE CLASSES.

The multimedia space equipped with 40 Mac computers allows every student in a class to participate in a hands-on atmosphere. Five dropdown screens are mounted on the surrounding walls, onto which an instructor can control the visual display using an iPad or another device.



Emily Rimland is one of a group of Library Learning Services librarians who conduct information literacy and library research skills instruction sessions in the Nike Classroom. Rimland says this room is always her first choice, and is disappointed when she doesn't get to teach there.

"I love it because the room offers several benefits over a traditional classroom. For example, the layout automatically has students seated in small groups, so it's easy to have students break into teams for activities," noted Rimland, who is also the Libraries' learning technologies coordinator.

"What I really love is 'teaching in the round' in this room, which means there is no front or back of the room. I can also more easily see what students have on their screens, and students can see my screen on various displays throughout the room," she added.



The Nike Classroom is also used heavily for Media Commons workshops, where students learn how to use the tools to envision, produce, and publish multimedia projects. In the 2014-15 academic year, 195 such workshops were held, attended by 4,601 students.

While faculty reserve the space for classes requiring a multimedia component, students favor it for the wide range of software offered — from video editing to 3D modeling tools. The availability of Mac computers is a draw, especially for students working on design projects.

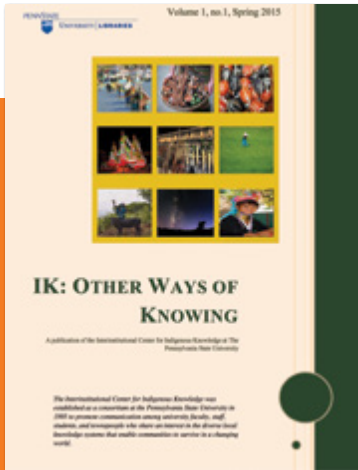
With 14,916 unique logins, representing one in three University Park students, onto one of the 61 Knowledge Commons Windows-platform computers in the Fall 2014 semester, the first floor of Pattee Library sees especially heavy traffic. Having this instruction space available — not to mention the corporate sponsorship that made it possible — for students' use is particularly valuable during times when computers are in high demand.

Encouraging and nurturing an environment of active learning in spaces like the Nike Classroom is just one way the Knowledge Commons plays such an important role in the academic growth of Penn State students. "The technology and design in this room are not only enablers but also are equalizers for learning," Rimland said.

OPEN



ACCESS



IK: OTHER WAYS OF KNOWING

The University Libraries' first open access journal, co-edited by the three co-directors of the Interinstitutional Center for Indigenous Knowledge (ICIK), began as an e-newsletter in 2010. In March 2015 it evolved into a scholarly peer-reviewed journal found online at journals.psu.edu/ik with a cross-disciplinary, global perspective.

Its first volume covers the theme "Storytelling and the Rights of Indigenous Peoples" and includes articles such as "Quechuan Voices: The Art of Storytelling through Song" and "Kwasinaboo Puha (Snake Medicine)," in which the author recalls intergenerational snake expertise passed down to Comanche children that influences her poetry. For future issues the editors will solicit submissions from indigenous peoples as well as academics, students and others interested in contributing content.

LAST SPRING, THE PENN STATE FACULTY'S GOVERNING BODY ENDORSED AND ENCOURAGED THE USE OF OPEN ACCESS MATERIALS. THE LIBRARIES' OWN FACULTY INITIATED THE DISCUSSION AND HAS EMBRACED THIS NEW DIRECTION OUT OF FINANCIAL NEED AND FOR EDUCATIONAL BENEFITS.

Open access is a worldwide movement that grew out of financial necessity from academic libraries. Supporters are working to make academic and especially federally funded, peer-reviewed scholarly work and research data available freely online. Open access publishing could be the answer to what academic and research librarians termed the Serials Crisis.

Several factors converged to create this crisis: an increase in academic journal titles, reflecting new areas of study and a rise in interdisciplinary fields; a push from major for-profit academic publishers to buy journals from nonprofit learned societies; significantly increased subscription costs for libraries; and the transfer of academic journals from print to electronic versions.

These changes gave publishers of both journals and academic books the opportunity to license access to their online content rather than sell printed copies. Library budgets, often stagnant or shrinking, were strained by growing costs for access. To balance their budgets, many libraries worldwide have had to cut subscriptions to journals and purchase fewer books and services. Less access to newly published research, however, stifles the advancement of knowledge.

Librarians realized they needed to educate faculty about this crisis because faculty, as knowledge creators, have the power to change how they interact with academic publishers. If faculty changed how they provided scholarly information, publishers would have to respond.

"In the next ten to fifteen years we may see a tipping point when the majority of higher education institutions will have open access policies in place," Associate Dean Anne Langley, immediate past chair of North America's Coalition for Open Access Policy Institutions, explained.

Fortunately, Penn State is well positioned at the forefront of this shift. ScholarSphere, a partnership of the Libraries and Information Technology Services found at scholarsphere.psu.edu, is Penn State's online scholarly repository and one of many where scholars can share their work openly. The Libraries is investigating additional open access publishing platforms and has begun supporting its own open publishing service with its first journal, *IK: Other Ways of Knowing* (see sidebar). Librarians and staff also are working to educate the Penn State community about open access and the use of open educational materials in courses.

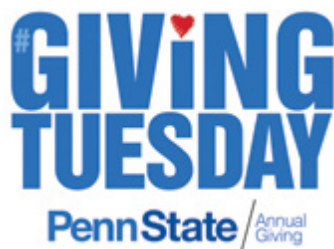
GIVING TUESDAY

FOR THE FOURTH YEAR, FOLLOWING THE CONSUMER-FOCUSED BLACK FRIDAY AND CYBER MONDAY, THE WORLD WILL CELEBRATE THE TUESDAY AFTER THANKSGIVING AS GIVING TUESDAY, A DAY TO CELEBRATE GENEROSITY BY GIVING TO A NONPROFIT ORGANIZATION. THIS YEAR, TUESDAY, DECEMBER 1, MARKS PENN STATE'S SECOND YEAR OF PARTICIPATION — AND THE FIRST FOCUSED ON SUPPORTING THE STUDENT-CENTERED UNIVERSITY LIBRARIES' TEXTBOOK FUND.

The purpose of the fund is to acquire textbooks and other course materials for students' use. While it eases non-tuition costs for students with financial need, the textbook fund benefits all students by providing enhanced access to materials.

Penn State Annual Giving's online-focused Giving Tuesday pilot program includes the Libraries as one of three University areas of special focus. Outreach via email and social media will encourage donors to donate online at giveto.psu.edu/givingtuesday, where the Libraries' textbook fund will have prominent visibility atop the website.

Especially noteworthy is that charitable contributions to the Libraries will have double the value and immeasurable academic impact for future students during the Giving Tuesday



campaign, which kicked off in mid-November. The Penn State Bookstore on campus, managed by Barnes & Noble, has pledged to match Libraries gifts dollar-for-dollar. This generous level of matching support will ensure even greater availability of textbooks for Penn State students.

Corporate matching gifts also will apply toward this generous pledge; more information is available at

matching.psu.edu. A gift of stock also will support the Libraries during Penn State Giving Tuesday, at giveto.psu.edu under the **Plan Your Gift** option.

To help the Libraries build awareness of the value of its Giving Tuesday donor-matching opportunity, social media users can help spread the word about the event using the hashtag **#PSUGivingTue** on Facebook, Twitter and Instagram. (Follow the University Libraries at facebook.com/psulibs and via account name **@psulibs** on Instagram and Twitter, and tag the Libraries with the hashtag **#psulibs**.) SocialToaster.com, an online platform, will infuse a layer of fun to Penn State Giving Tuesday by encouraging Penn State friends and fans to become social media ambassadors of The Nittany Network to earn points and chances for prizes.

In advance of Giving Tuesday, the Libraries will celebrate the Day of Philanthropy on November 17. During that week, the Libraries will start its Giving Day awareness campaign. Both events celebrate the generosity of Libraries donors who have enabled current services and spaces to support their academic and research success — and the impact of philanthropy on the faculty, staff, and students of Penn State.





PRESIDENTIAL PRIORITIES, LIBRARIES LEADERSHIP

WHEN PENN STATE PRESIDENT ERIC BARRON began his tenure in May 2014, he announced six major topics for University-wide consideration, termed “imperatives.” The University Libraries has long embraced each of these themes in its mission and continues to exemplify them.

Excellence

“As a University, we are the keepers, creators and transmitters of knowledge, and we must excel in each across a broad spectrum of fields,” the president wrote. In several regards, the Libraries demonstrates excellence through our service, not just its breadth of collections. For more than a decade, the Association of Research Libraries Library Investment Index has acknowledged the University Libraries consistently among the top 10 research libraries in North America.

Many of our librarians also are recognized nationally and internationally for their leadership and expertise:

■ Dean Barbara Dewey was one of just 20 library directors worldwide invited by LIBER, Europe’s largest network of research libraries, in May to discuss strategic change as libraries redefine themselves in the 21st century.

■ Courtney Young, head librarian at the J. Clarence Kelly Library at Penn State Greater Allegheny, recently completed her year-long presidency of the American Library Association, the world’s oldest and largest library association.

■ Charles Jones, the Tombros Librarian for Classics and Humanities, received the 2015 Outstanding Work in Digital Archaeology Award from the Archaeological Institute of America.



Accessibility

The president’s theme of affordability and access to a Penn State education is one of the Libraries’ longstanding strengths. For more than 15 years, the Libraries’ textbook fund has supported free access to every required textbook and e-book for courses at all Penn State campus. In August, the Penn State Press, a division of the University Libraries, announced its commitment to donate a portion of its proceeds to the fund. In addition, this fall, Penn State Annual Giving is promoting additional support for the textbook fund. See “Giving Tuesday” on page 7 for details.

Also, the Libraries’ Open Access Policy, embraced University-wide by the University Faculty Senate through its own open access resolution, advocates the access to and use of scholarly content in the public domain via the Internet. The Libraries’ Open Educational Resource Task Force is working to expand awareness and use of freely accessible content for academic use. (See page 6.)

Accessibility also means supporting alternative access to educational materials to those with physical and learning challenges. The Libraries’ Marian McKinnon Adaptive Technology and Services department assists both faculty and staff in support of the University’s academic mission, providing assistive technology hardware and software, training, research assistance, and more.

Finally, Libraries awards and endowed scholarships support both student access and success. For details about this year’s winners, see page 10.

Diversity and Demographics

The Libraries’ partnership in the Interinstitutional Center for Indigenous Knowledge, or ICIK, is but one way the Libraries advocates perspectives of diverse cultures. ICIK studies native cultures’ ways of knowing, seeing, and thinking that are passed



down orally through generations.

ICIK's co-directors are Amy Paster, head of the Life Sciences Library, Helen Sheehy, head of the Social Sciences and Donald W. Hamer Maps Libraries, and Audrey Maretzki, pro-

fessor emerita of food science and nutrition. The Libraries' multidisciplinary, peer-reviewed open access journal, *IK: Other Ways of Knowing*, at journals.psu.edu/ik, shares its content freely for a greater global exchange of knowledge.

Also, the Libraries' Diversity Residency Program, now in its third year, helps prepare recent graduates for leadership positions in the field of librarianship, and helps librarians from diverse backgrounds better represent and reach multicultural library audiences. Finally, several of the Libraries' collections emphasize the knowledge and experience of women, such as *A Few Good Women: Advancing the Cause of Women in Government, 1969-74* and *The Judy Chicago Art Education Collection, 1970-2011*.



Student Career Success and Economic Development

The Libraries' Research Hub offers students and faculty researchers specialized consultants who can help elevate their work for grants and commercial applications. The Libraries also is a Patent and Trademark Resource Center designated by the U.S. Patent and Trademark Office to offer informational assistance — although not legal advice — to inventors, including students to help them protect their intellectual property. For more details, see "Supporting STEM Studies," page 12.

Tutoring services for writing and technology in the Knowledge Commons are offered through partnerships with Penn State

Learning as well as Information Technology Services, where students offer peer assistance. Similarly, the Student Financial Education Center offers peer education in financial literacy, supported by the Schreyer Business Library and faculty and staff advisers. In addition, a partnership with Education Technology Services provides multimedia tutorials and training at the Libraries' Media Commons, as well as One Button Studios for recording and practicing presentations and interviews.

Student Engagement

President Barron emphasized a commitment to more student involvement in activities beyond the classroom, including one-on-one research opportunities and internships, all of which promote positive outcomes in their studies and experiences.

Librarians and staff engage students daily inside and outside the classroom. In particular, the Libraries' Bednar Internship Program was created in 2000 from an endowment established in 2000 by Donald Hamer and Marie Bednar, a former University Libraries cataloger and department head. The program offers undergraduates in their junior and senior years active and collaborative learning experiences and paid career experience in their fields of study while earning academic credit.

Technology

In addition to initiatives, services, and training mentioned previously, the Libraries is a University-wide leader in online content delivery for on-campus and World Campus students, faculty, and staff. Ongoing growth of Libraries digital materials and collections is an important area of commitment.

The Libraries offers online access to 749 databases, 110,000 e-journals, and 541,864 e-books, and more than 100 digital collections — numbers that continue to expand. In addition, the Libraries launched a search in summer 2015 for an online learning librarian, to expand online learning initiatives.

Although the president's imperatives will require additional commitments University-wide to achieve strategic goals to further strengthen the University, the Libraries is well positioned to do its part in leading Penn State toward greater academic and research success.

LIBRARIES AWARDS AND SCHOLARSHIPS

MARTHA CONNER MEMORIAL AWARD AND ADMA HAMMAM SHIBLEY MEMORIAL SCHOLARSHIP IN LIBRARY SCIENCE

Leah Davis, classics and ancient Mediterranean studies

“This is so exciting for me. Being an out-of-state student, these scholarships help with a huge financial responsibility. Given my excitement for a future career in libraries, this is definitely a confidence booster!”

CYNTHIA M. JOYCE TRUSTEES SCHOLARSHIP

Isabelle Helmich, international politics

IRENE CHENG MEMORIAL AWARD

Mary Pillot, broadcast journalism, junior

“I was more than honored to receive the Irene Cheng Memorial Award. I would like to extend my gracious thanks to those who chose me to be the recipient. I will use this to help alleviate many of the obligations associated with attending college.”

2015 UNDERGRADUATE THESIS AWARDS

Annual competition cosponsored by the University Libraries and the Schreyer Honors College includes faculty-juried review of submitted theses and finalists' public oral presentations

First place: **Ryan Henrici**, biochemistry and molecular biology '15; Second place: **Jessica Myers**, English '15; Third place: **Brooke Durham**, history and international politics '15

UNIVERSITY LIBRARIES AWARD FOR INFORMATION LITERACY

First place: **Ryan Henrici**, biochemistry and molecular biology '15; Second place: **John Swab**, geography, sophomore; Third place: **Carolyn Low**, hotel, restaurant, and institutional management '15

M.G. WHITING INDIGENOUS KNOWLEDGE STUDENT RESEARCH AWARD

Award administered by the Interinstitutional Center for Indigenous Knowledge and the University Libraries

Kelli Herr, community, environment, and development, junior (Research: food security in Zambia)

AWARD FOR UNDERGRADUATE RESEARCH ON SUSTAINABILITY AND THE ENVIRONMENT

Award offered annually by the University Libraries, Penn State's Sustainability Institute, and Cengage Learning

Kelsey Czyzyk, biological engineering '15; **Alexandra Sorce**, community, environment, and development, junior; **Andrew Madl**, landscape architecture '15



EXHIBITS



◀ B. AND H. HENISCH PHOTO-HISTORY EXHIBITION ROOM 201B Pattee Library

“An Image on a Plate of Silver: The Art of the Daguerreotype”
through January 29, 2016

▶ DIVERSITY STUDIES ROOM

203 Pattee Library

“Journey to Inclusion: Voting Rights in America”
through July 6, 2016

◀ THE EBERLY FAMILY SPECIAL COLLECTIONS LIBRARY

104 Paterno Library

“Inspired and Inspiring: The Passions of Joan Chittister's Life, an exhibition,” through December 15, 2015

▶ SIDEWATER COMMONS

102 Pattee Library

“The Lynd Ward Graphic Novel Prize: the First Five Years,” through January 20, 2016



WHY I GIVE

SCOTT STEINHAUER

PENN STATE '81

SCOTT STEINHAUER, eight-year member and current chair of the Libraries Development Board, received his Penn State undergraduate degree in economics. He works as team leader for Johnson & Johnson's Rite Aid Team.

WHAT FIRST DREW YOUR INTEREST TO THE LIBRARIES?

My parents paid my way through Penn State, which freed me to study and enjoy my undergraduate years. (I graduated with highest distinction and played four years in the Blue Band — two things I might not have been able to do had I needed to work my way through school.) After graduating, I resolved that if I could, I would “pay it forward” and help another student to get through.

I was presented an opportunity to assist a graduate student to work through the Libraries, helping students with business statistics, and gladly funded that. It helped me to realize that while the nature of libraries is changing greatly, they still represent an excellent place to make gifts, as your money goes a long way with worthwhile programs that benefit a lot of students.

WHAT CHANGES HAVE YOU NOTICED SINCE YOU GRADUATED?

First, the University is a better academic institution, demanding more thoughtful research from students than what was demanded of me. Second, Penn State offers many more majors and has many more world-class professors, all of which demand access to more source material through the Libraries. The addition of an international business concentration and law are just two examples.

Third, there's much more emphasis on and desire for group study. So, the Libraries' physical space needed to and, through the efforts of dedicated and forward-thinking library staff, private donors, and with help from the Libraries Development



Board, did evolve: witness the Knowledge Commons. Fourth, there's a common misconception that the rise of the Internet makes access to knowledge virtually free, and makes books, and therefore libraries, obsolete. That is 100 percent false. While you can get a few sound bites and “factoids” for free by Googling topics, there has been an explosion of information available online. If you actually want to read the full articles, someone still needs to pay for that access. That “someone” is the Libraries.

Honestly, thirty years ago you could graduate without spending a lot of time in the Libraries. Today, that is just not possible, so the Libraries have become much more important to student life, scholarship, and success.

WHAT DREW YOU TO SUPPORT THE LIBRARIES' FINANCIAL LITERACY PROGRAMMING?

Over the years I have supported a number of library projects related to things that are important to me. My wife and I support financial literacy because we recognize that Penn State plays an important part in educating more than its fair share of first-generation college graduates, only unlike the four years I spent there, college costs have risen dramatically.

We believe it's important that Penn State does its best to keep an undergraduate degree within reach of first-generation college graduates, and in the process works to teach students how they can graduate without being overly burdened by debt, entering the “real world” in a way that allows them to enjoy the financial fruits of their efforts. The Libraries is trying to make a difference here, and we're pleased to help.

SUPPORTING STEM STUDIES

TODAY'S PHYSICAL AND MATHEMATICAL SCIENCES (PAMS) LIBRARY IS A HIGHLY EVOLVING SPACE. AS SCIENTIFIC JOURNALS AND OTHER MATERIALS HAVE MOVED ONLINE, MANY PRINT COLLECTIONS HAVE BEEN SHIFTED TO EASILY RETRIEVABLE ANNEXES — MAKING ROOM IN THE LIBRARY FLOOR FOR IN-DEMAND AREAS LIKE COLLABORATIVE SPACES, MORE QUIET STUDY AREAS, AND A ONE BUTTON STUDIO.

Increasingly, Eberly College of Science students and researchers seek new technologies for their work. They turn to the PAMS Library for support and expertise in science, technology, engineering, and math (STEM) topics. One expanding area of interest is 3-D printing. “The potential for this technology in the sciences is extensive,” Nan Butkovich, PAMS Library head, said. “For example, researchers use 3-D printing to build models of human organs.”

Science Librarian John Meier, who heads the library's Patent and Trademark Resource Center, created an online research guide highlighting available resources for 3-D printing at Penn State. It is accessed heavily by students. “PAMS is perfectly positioned to help not just Eberly College students, but all of STEM, because of the fundamental sciences we cover, and the work we are doing with intellectual property, data, and emerging technologies,” he said.

Meier also conducts workshops for graduate students to show them how to evaluate their research for commercial application. That research could be licensed to companies, and both the University and the researcher would profit. “Many commercially viable inventions and innovations come out of Penn State research projects,” he added.

Additional technologies, like the Oculus Rift virtual reality headset and data visualization walls, have wide application in the sciences — and are technologies Butkovich would like to add, supported by interest voiced by the college's undergraduate coordinators. “Every single one of them had ways they could integrate visualization resources into the undergraduate experience, from examining stellar structures in astronomy to analyzing blood spatters in forensic science,” she said.

The PAMS Library is on the threshold of celebrating a major milestone — at some point this academic year, it will have served two million patrons, rounding off a decade of growth since opening in 201 Davey Lab. Butkovich attributes this success to both its strategic location and to being flexible and open to making changes based on evolving student needs. PAMS, she said, is the ideal place to support innovative research and learning in the sciences.



PAMS ADDS SCIENCE DATA LIBRARIAN

As science researchers' data needs have become increasingly complex, the addition of Prystowsky Early Career Science Librarian Robert Olendorf has enhanced the PAMS Library's expertise. His role as a science data librarian is to guide science faculty and graduate students through retrieving and handling data, and making their data findable — a critical function today, as recent government mandates require researchers to make their data open. He also noted, “Open data is better for their careers.”

Olendorf also works with undergraduate science majors, who are increasingly encouraged to be involved in the research process, even as freshmen. He sees the opportunity to help them learn how to use new technologies like data visualization tools as a way to enhance their career prospects. “We can give them employable skills,” he explained. “They will be able to say to companies, ‘I know how to visualize your data. I have statistical skills that are beyond a statistics or science major, and I can take your data and make it speak for you.’”



Above: a few of the friendly faces library patrons will encounter at the PAMS Library service desk. Left to right: Robert Olendorf, John Meier, Alexandra Kowsh, Anngelica Peters, Mitch Lang.

Left: Peters demonstrates the One Button Studio.

Olendorf stands in front of the PAMS Library's "Whisper Room," an audio recording booth.



PRESS PICKS

www.psupress.org

MY DEGENERATION

A JOURNEY THROUGH PARKINSON'S

by Peter Dunlap-Shohl

How does one deal with a diagnosis of Parkinson's disease at the age of forty-three? *My Degeneration*, by former Anchorage Daily News staff cartoonist Peter Dunlap-Shohl, answers the question with humor and passion, recounting the author's attempt to come to grips with the "malicious whimsy" of this chronic, progressive, and disabling disease. Dunlap-Shohl also gives the person newly diagnosed with Parkinson's disease the information necessary to cope with it on a day-to-day basis, imparting a realistic basis for hope—hope not only to carry on, but to enjoy a decent quality of life.



THE POLITICS OF RESENTMENT

A GENEALOGY

by Jeremy Engels (Penn State University)

In the days and weeks following the tragic 2011 shooting of nineteen Arizonans, including congresswoman Gabrielle Giffords, there were a number of public discussions about the role that rhetoric might have played in this horrific event. In *The Politics of Resentment*, Penn State Associate Professor of Communication Arts and Sciences Jeremy Engels analyzes how resentful rhetoric has long been used by public figures in order to achieve political ends, and seeks to challenge toxic rhetoric by defusing it, and by enabling citizens to have the kinds of conversations we need to have in order to fight for life, liberty, and equality.



FAREWELL TO VISUAL STUDIES

edited by James Elkins, Gustav Frank, and Sunil Manghani

The final volume in the Stone Art Theory Institutes series focuses on the identity, nature, and future of visual studies, discussing critical questions about its history, objects, and methods. The contributors question the canon of literature of visual studies and the place of visual studies with relation to theories of vision, visuality, epistemology, politics, and art history, giving voice to a variety of inter- and transdisciplinary perspectives. Rather than dismissing visual studies, as its provocative title might suggest, this volume aims to engage a critical discussion of the state of visual studies today, how it might move forward, and what it might leave behind to evolve in productive ways.



Penn State faculty, staff, and Alumni Association members enjoy a 20 percent discount on any Penn State Press titles. Shipping to University Park campus addresses is always free.

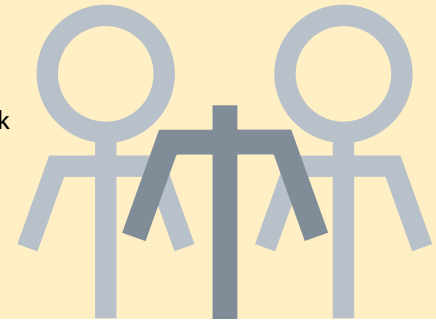
FACTS AND FIGURES

DID YOU KNOW?

In the 2014-15 fiscal year, the University Libraries' Preservation and Digitization Department digitized 55,717 pages of content totaling 60 terabytes of data. That's equivalent to the storage needed for 120 million digital photos if each were 500 kilobytes in size. If Beaver Stadium were filled to capacity, all 106,572 seat holders would have to take 1,126 smartphone photos apiece — more than 5.6 photos per minute during an average 120-minute game — to equal that storage size.

14,916

unique visitors,
or **1 in 3** University Park
students, logged into a
Knowledge Commons
computer during Fall
semester 2014.



IMPACT OF PHILANTHROPY

\$2.6 million New charitable gifts in 2014-15

\$130,000 New funding created from those gifts

BY THE NUMBERS

2014-15 fiscal year

Total volumes*	7,608,119
Total titles*	5,783,754
Total visitors	7,013,015
Reference transactions	62,257
Full-text article requests	4,186,626
Full-text journals	110,000
E-books	541,864
Databases	749
Presentations to groups	2,619
Total participants in group presentations	77,150
Library books repaired in-house	1,503
Older/damaged books sent for commercial binding	1,124
InterLibrary Loans:	
— provided to other libraries	76,108
— received from other libraries	39,870

*Totals exclude the Penn State Law Library and Dickinson Law Library.

LIBRARIES ON THE MOVE

Connecting Alumni to Our Resources

The Penn State Sports Archive Story came to Portsmouth, Virginia and the Hampton Roads Alumni Chapter for a pre-kickoff event, prior to the Nittany Lions' November 7 football game at Northwestern.

To arrange a chapter event or for more information on available presentations, contact Nicki Hendrix at nmh18@psu.edu or 814-865-2258.



RECENT EVENTS

Dean Barbara Dewey and Libraries Development Board Chair Scott Steinhauer hosted nearly 100 guests at the Fall 2015 Libraries Donor Reception on Friday, October 2, in the Paterno Family Humanities Reading Room, Pattee Library. Among attendees were members of the Libraries Development Board, including Molly Barron, as well as Sue Paterno and nine new Library Leaders recognized for their generosity.

The evening's surprise announcement (inset, right), a check presentation of \$250,000 from the estate of Frank Norman MacCord III, was delivered to Dean Dewey by Norm's longtime friend and executor Sandy Deveney, joined by his wife, Elizabeth, and Sue Paterno.



Libraries Development Board

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HONORING SHIRLEY DAVIS

Shirley Davis, assistant to the dean for external relations, retired in October after 46 years of outstanding University service. During her career she worked for six deans of the Libraries — Carl Jackson, Stuart Forth, Nancy Cline, Gloriana St. Clair, Nancy Eaton, and Barbara Dewey. Shirley was instrumental in launching the library development program and supporting the Library Development Board. Her knowledge, talents, and professional dedication will be missed tremendously.



The Shirley Davis Staff Award, a fitting tribute, will ensure her legacy. Help us honor Shirley's contributions — please call Libraries Development staff at 814-865-2258 to discuss options for supporting the award.

The entire faculty and staff of the University Libraries and a host of her colleagues at Penn State invite you to join us in wishing Shirley the very best retirement that life has to offer!

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THE LAST WORD

“We are, alone and together, significant actors in the nature of all of life. We are the co-creators of the rest of life, and we are nodes called to strengthen the fibers of humankind.”

— Sister Joan Chittister, internationally renowned writer, lecturer, social analyst, influential religious leader, and Penn State distinguished alumna, concluding the Sister Joan Chittister Symposium: Ancient Traditions, Contemporary Questions.



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The Eberly Family Special Collections Library houses the Joan D. Chittister Archive in a collaboration to preserve her accumulated works with Mercyhurst University in Erie and the Benedictine Sisters of Erie, Pa.