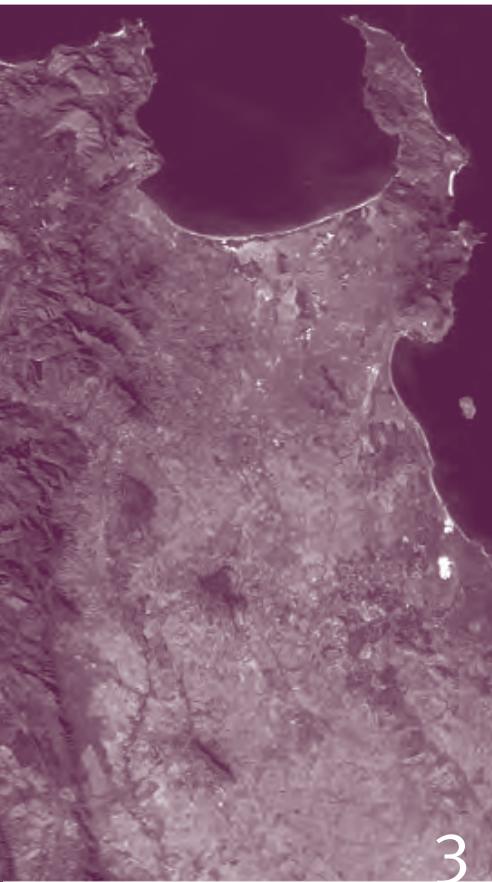


Bib·li·o·Tēch

NEWS FROM THE MIT LIBRARIES

MASSACHUSETTS INSTITUTE OF TECHNOLOGY VOLUME 26, NUMBER 1

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FROM THE DIRECTOR

L. Barry Hetherington



During her long tenure as Director of the MIT Libraries Ann Wolpert accomplished many things. Among them was teaching the Libraries to be strategic. This past year Ann led us in developing a new strategic plan. Knowing that President Reif had outlined an ambitious agenda in his September 2012 inaugural address, Ann understood the urgency in making the Libraries' agenda align with the Institute's. She led Library Council, our senior leadership team, in a yearlong, inclusive effort that resulted in the adoption of a new three-year plan. While our mission has essentially remained the same:

"... to create and sustain an evolving information environment that advances learning, research, and innovation at MIT and maintain a commitment to excellence in services, strategies, and systems that promote discovery, preserve knowledge, and improve worldwide scholarly communication," the new plan articulates a vision for us to aspire to, a set of guiding principles to act as a foundation for planning and action, and five strategic directions for focus and investment over the next three years:

- Advance digital scholarship and research
- Expand investments in digital content management infrastructure and services
- Participate actively in digital learning at MIT
- Enhance the on-campus experience through transformed library services and spaces
- Strengthen support for MIT's global engagement

The full plan can be found at: bit.ly/MITstrategic

This January, at the Library Council annual retreat, we began to identify an action plan that will move the Libraries forward over the next twelve to eighteen months. The plan

However beautiful the strategy, you should occasionally look at the results.

—Winston Churchill

The best CEOs I know are teachers, and at the core of what they teach is strategy.

—Michael Porter

builds on some of the good work that has already been done in the Libraries in support of MIT's faculty and students. For instance, in the area of digital scholarship and research, we're improving workflows supporting the automatic deposit of MIT faculty-authored papers into the DSpace Open Access collection (currently over 11,000 articles) and providing authors with an easy interface to look up statistics on the use of their papers in the collection. Additionally, we've been advising faculty and researchers on how to comply with emerging federal mandates for sharing research data produced by federally funded projects. In the area of digital learning, library staff have partnered with the Office of Digital Learning and edX to ensure access to third-party copyrighted materials that are critical to teaching and learning in MITx/edX courses. These are just a few of the areas in which we've already made progress and will continue to advance as part of the new strategic plan. Most importantly, as we pursue new ideas in support of these initiatives, we'll take time to evaluate and seek input from the MIT community, our friends, and supporters. This is yet another excellent collaborative quality Ann taught us, and it will continue to guide the Libraries.

Steve Gass
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HONORING ANN WOLPERT

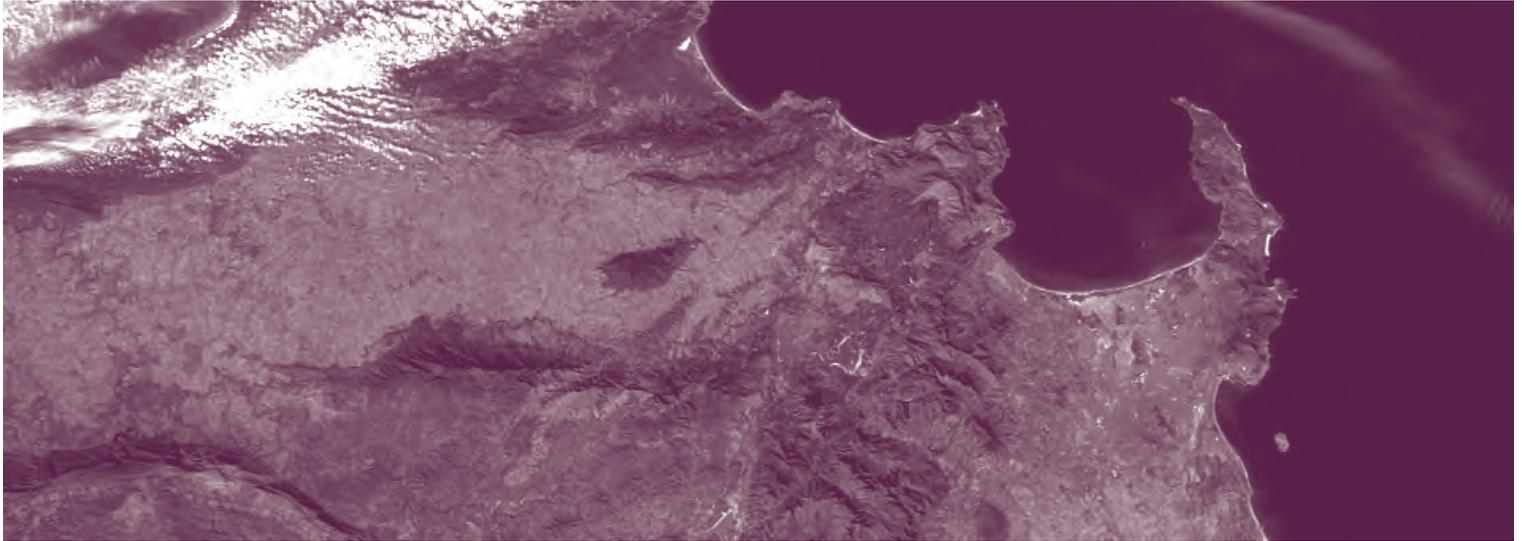
On Friday, January 31, several hundred people, including members of the MIT community, library peers, family and friends, gathered to celebrate the life of Ann J. Wolpert. Moving remarks were made by those who worked closely with Ann—the program included remarks by Kirk Kolenbrander, MIT Vice President and Secretary of the Corporation; Amy Ryan, President of the Boston Public Library; Adele Santos, Dean of the School of Architecture and Planning; Jason Pontin, Editor-in-Chief and Publisher of Technology Review; Sarah Thomas, Vice President for the Harvard Library; and Steve Gass, Interim Director of MIT Libraries. To view a video of the memorial, see: bit.ly/WolpertMemorial

The Ann J. Wolpert Fund for Strategic Initiatives was created to honor Ann's vision. Thanks to the kind generosity of many, the Fund has already received over \$100,000 in contributions and continues to grow. We would like to extend our deepest thanks and gratitude to all those who have supported the Libraries, and MIT, in Ann's memory.

12.000 SPRING FIELD TRIP

LIBRARY EXPERTS HEAD TO SOUTH AFRICA WITH TERRASCOPE PROGRAM

NASA



Eastern Cape of South Africa



Chris Sherratt



Daniel Sheehan

“The field trip was an opportunity to see first-hand how students apply what they’ve learned in Terrascope, but also to watch them work and learn in the field. I was grateful for the chance to continue my learning with this exceptional group.”

- Chris Sherratt, Energy and Environment Librarian

The popular class 12.000 “Solving Complex Problems,” part of the Terrascope program, gives freshmen the opportunity to work as part of a team on a complex environmental problem that requires an interdisciplinary approach to finding solutions. Each year the class tackles a pressing worldwide issue. Librarians have played an active role in the class since its inception more than ten years ago, helping students find the library resources and information they need to support their work.

This year’s focus is on the serious problem of global water security. Students have been given this mission:

“...devise and plan the implementation of bold new strategies to ensure that all nations — including those considered to be underdeveloped — have access to clean fresh water while preserving fresh water ecosystems. Your plan should include incentives to get people to act on your solutions. This issue cannot be ignored and quite simply, the future of humankind hangs in the balance.”

Daniel Sheehan, Senior Geographic Information Systems (GIS) Specialist, and Christine Sherratt, Energy and Environment Librarian, accompanied the class on their recent field trip to the eastern Cape of South Africa over Spring Break in March. The class was hosted by the Earth Stewardship Research Institute of Nelson Mandela Metropolitan University (NMMU).

Sheehan worked with the students to record their observations and map their travels. In several instances, the data they collected informed their evening discussions, while the rest of the data was shared with those following the trip blog using online mapping tools. Sherratt helped the students troubleshoot environmental questions.

“One aspect I love about Terrascope is that every year my involvement changes right along with the problem being worked on. It is never the same twice, and it is not predictable. This keeps me on my toes: I learn about the students and how they find information. I learn about the problem while watching them take the lead,” she said.

To learn more, follow the team on the Terrascope trip blog at: terrascopetrip2017.blogspot.com

THE BEAVER: MIT'S MASCOT TURNS 100!



Souvenir from 1916 reunion

This January marked the 100th anniversary of the beaver as MIT's mascot. The beaver was chosen as MIT's mascot on January 17, 1914, at a dinner of the Technology Club of New York. It was proposed to MIT President Maclaurin that he adopt the beaver as MIT's formal mascot, which he did. Other mascot contenders were the kangaroo and elephant, but the group advocated for the beaver as an American animal, with "MIT-like" qualities.

Lester D. Gardner, class of 1898, quoted from William T. Hornaday's book *The American Natural History: A Foundation of Useful Knowledge of the Higher Animals of North America*, "Of all the animals of the world, the beaver is noted for his engineering and mechanical skill and habits of industry. His habits are nocturnal, he does his best work in the dark."
(*Technology Review*, vol. 16, 1914).

Giant beaver in an alumni stunt, 1916



FROM THE ARCHIVES REACHING OUT

Over the past several years, the Institute Archives and Special Collections has hosted a variety of events reaching out to the MIT community and beyond.

In addition to participating in numerous classes each semester, the Institute Archives and Special Collections reading room (14N-118) has been the site of numerous faculty talks coordinated with exhibitions in the Maihaugen Gallery, along with several book talks and signings. In addition, we have hosted MIT Activity Council (MITAC) tours for MIT staff, offered IAP sessions including talks about digital records and records management, and displays of original materials that document the rich history of the Institute.

Each Commencement and reunion weekend, the staff presents a variation of "treasures from the archives" events. Some of the events have included reunion class specific "then and now" discussions and tours of the Wunsch Conservation Lab. This year, Nora Murphy, Archivist for Reference, Outreach and Instruction, will give a presentation on long-time faculty member and mathematician Norbert Weiner at the Cardinal and Gray Academy.

For the past two years, the Archives has participated in tours sponsored by the Cambridge Historical Society and the Cambridge Archives Committee, which coordinate a week-long series of tours of Cambridge historical institutions each summer. The tour of MIT and the Institute Archives and Special Collections has been extremely popular and highly rated. With the upcoming 100th anniversary of MIT's move from Boston to its Cambridge campus in 2016, we look forward to even more opportunities to foster community spirit.

And we have also hosted events ranging from a "show and tell" for the Ticknor (Rare Book) Society and "Unbound: Speculations on the Future of the Book" symposium, receptions and displays for the Society of American Archivists, and the Digital Preservation Management Workshop.

All of these efforts connect the MIT community and beyond to the fascinating and rich treasures housed in the Institute Archives and Special Collections.

L. Barry Hetherington



A book signing with Jay Keyser

Tom Rosko
Head, MIT Institute Archives & Special Collections
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MEET TRACY GABRIDGE

A Q&A WITH THE NEW ASSOCIATE DIRECTOR FOR RESEARCH AND INSTRUCTIONAL SERVICES

In December 2013, Tracy Gabridge was appointed to the position of Associate Director for Research and Instructional Services for the MIT Libraries. Gabridge has had a long and successful career with the Libraries, with steadily increasing responsibilities since her first position as Librarian for Civil and Environmental Engineering in 2000, until her most recent role as the Head of the Department of Liaisons for Departments, Labs, and Centers (LDLC).

Gabridge's relationship with MIT started long before her career with the Libraries, as an undergraduate at the Institute. She holds a BS from MIT, an MS from Columbia University in Electrical Engineering, and an MSLIS from the University of Illinois, Urbana-Champaign.

In her role as Associate Director for Research and Instructional Services, she will oversee four departments with over 70 staff who work directly with the MIT community in a variety of roles including library access, document delivery, librarian liaison services, instruction and reference services, geographic information services, research data services, and the Aga Khan Documentation Center.

How are the needs of today's students different than when you were an MIT undergraduate?

Back in my undergraduate days in the mid-80's the sources of available information were fairly limited. You either went to an expert, like your thesis advisor, or you went to the library. Over time you developed a well-defined network of information.

As we all know, the internet has absolutely changed the information landscape. It has made access to many kinds of information so easy and fast, but has also made finding and evaluating information more complex. While the role of libraries as storehouses of information has changed greatly, the ability for libraries to provide value in providing access to and navigating a complex information landscape has increased.

Your first career was in engineering. What are the differences or similarities between engineering and librarianship?

The most obvious difference between the two fields can be seen in their relationship to information. Engineers take a diverse set of information and apply it to make something completely new. They take action with information. Librarians are all about making information accessible and retrievable. Librarians make information actionable.

I find it fascinating how many commonalities there are across the two fields. Engineers and librarians are closely attuned to the needs of their user communities and create products and services that are useful. It's incredibly rare for an engineer to create something by themselves – it is inherently collaborative work. Establishing a network of people and information is crucial to being a successful engineer. Librarians are also “radical sharers,” collaboratively creating a vast network of resources our users can tap into. Many of the skills I learned as an engineer make me an effective librarian.



Tracy Gabridge

What are the most significant changes/challenges facing the Libraries?

One of the things I love about working at the MIT Libraries is that we have great ambitions, always in service to the MIT community, but also in service to advancing library practice while enabling worldwide access to a vast array of scholarly information.

We often face tough choices about which opportunities to pursue. What is satisfying about this challenge is that we almost can't go wrong; whatever we choose to work on will have wide ranging impact whether it is transforming library spaces to support MIT's vision of academic villages and innovation spaces, or determining how best to preserve digital information for the long term, or helping researchers get the most value out of the data they produce and use in their work.

The Libraries have just created the next strategic plan. What excites you most about the new plan?

The new strategic plan draws a clear line from the initiatives and values of MIT as a whole to how the Libraries will contribute. Such close alignment is enormously exciting as it enables us to choose the best actions to take in support of MIT's vision. I can't wait to see our progress toward all five priorities outlined in the plan, but I confess to be particularly intrigued about the possibilities to advance digital scholarship and research, to participate in digital learning, and how we enhance the on-campus experience through transformed library services and spaces.

Tracy Gabridge
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D'ARBELOFF GRANT FOR EXCELLENCE IN EDUCATION



MIT's Writing Across the Curriculum program and the MIT Libraries will collaborate on a grant-funded project that focuses on developing online communication instruction for engineering students. MIT's communication requirement provides essential instruction for students in how to develop, evaluate, and integrate oral, visual and written communication. However, students in fast-paced laboratory classes often must juggle the demands of learning new concepts, methods, and techniques in their field, with little time for communication instruction.

The Libraries will help design and implement a system of online modules for teaching communication at a student's own pace outside the classroom. The project will create a set of online communication instructional modules, built in MITx, for two engineering laboratories.

According to Howard Silver, the Libraries' Head of Instruction and Reference Services, the online modules will provide students with the communication tools they need at the moment they need them.

"This will give us the ability to empower students. To make them more effective writers and researchers," Silver says.

Work on the project will begin during the current spring term, with the goal of having the modules ready for classes beginning next year.

ADVANCING LIBRARY LEADERS

The MIT Library Fellows Program, established in October 2012, has proven to be an exceptional opportunity to advance the work of the MIT Libraries while also providing a fertile training ground for early-career librarians.

The first ever Fellows, Mark Clemente and Helen Bailey, were selected from more than 150 applicants to work for two years with MIT Libraries' experts on cutting edge aspects of contemporary librarianship. Clemente has made contributions in the area of Open Access by working to enhance and expand a repository collection of open access papers resulting from the MIT Faculty Open Access Policy. In addition, he has assisted the Office of Scholarly Publishing and Licensing with issues concerning copyright advocacy, intellectual property, and rights retention.

"One of the most valuable things I've learned at MIT is how unified our work as library staff really is – we are all essentially doing the same thing for the MIT community and beyond: facilitating learning, innovation, and scholarship," said Clemente.

Bailey has worked on a wide range of activities in the area of digital preservation, including the Libraries' digital content management initiative. "It has been a joy to

work with such smart, creative, engaged people in the Libraries and across campus," she said.

Gifts to support the MIT Libraries' Fellows Program serve the expanding needs of the Institute as well as impact the wider academic community. We are currently in the process of identifying our next two Fellows to begin in October 2014. The Director's Fund for Library Excellence provided initial support for this new program (\$150,000 per two-year fellowship), but we believe this is an excellent ongoing opportunity for designated funding from donors interested in supporting a critical strategic areas, while also helping early-career librarians grow and learn through applied engagement with the work of the MIT Libraries.

To learn more about supporting the Fellows Program, please contact Kaija Langley, Director of Development, 617 452 2123, klangley@mit.edu

THANKS FOR THE MEMORY:

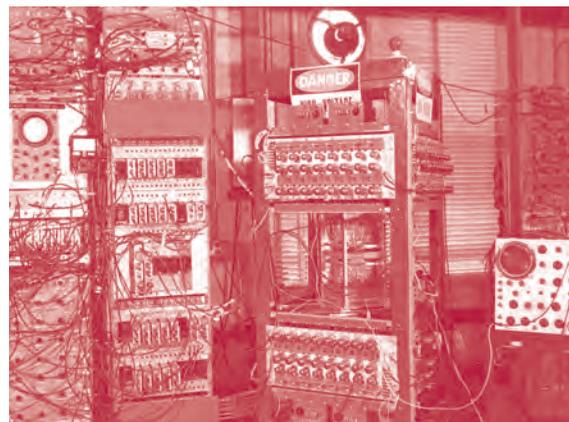
50+ YEARS OF COMPUTING AT MIT



Staff with Whirlwind computer, circa 1950

MIT's wide-ranging impact on computer science is the focus of the current exhibit in the Libraries' Maihaugen Gallery. From Project Whirlwind to Project Athena, MIT's numerous contributions to the science of computing have affected society in ways no one could have imagined a century ago – though we take most of those developments for granted today.

Since World War II, researchers at MIT have pushed computers to work faster and more efficiently. They've explored applications for industry and government and found ways to incorporate computers into research and teaching. This exhibit highlights some of the projects and research that have contributed to the development of computer theory, applications, software and hardware. The exhibit also celebrates



Whirlwind computer components, 1953

the recent 50th anniversary of Project MAC – in which collaborative interdepartmental experimentation and research focused on time-sharing, human-computer interfaces, and interactive modeling.

The Maihaugen Gallery (14N-130) is open to the public Monday through Friday from 10:00 AM to 4:00 PM, except during Institute holidays and special events. The exhibit will run through July 2014.

See libraries.mit.edu/maihaugen for more information.

SEEKING A VISIONARY LEADER:

THE SEARCH FOR A NEW DIRECTOR OF LIBRARIES

The search is on. In March an ad for the position of Director of the MIT Libraries was widely posted on job boards throughout academia. MIT is looking for “visionary leadership” to guide the MIT Libraries and the MIT Press. The Director will play “a prominent role in shaping the larger scholarly communication landscape at MIT and beyond,” as well as “lead the exploration of new modes of learning and global engagement, upcoming investments in reshaping library spaces, and advancing MIT's commitment and influence in the area of Open Access.”

Provost Martin Schmidt appointed an advisory committee comprised of MIT faculty, administrators, and students to lead the search. The committee gathered input from stakeholders across the Institute on the qualities of the next Director of Libraries. To see the full job description, go to: bit.ly/DirectorSearch

The committee chair is Professor Lorna Gibson, the Matoula S. Salapatias Professor of Materials Science and Engineering at MIT. Other members include:

- John Charles, Vice President, Information Systems & Technology (IS&T)
- Iain Cheeseman, Associate Professor, Department of Biology
- Arindam Dutta, Associate Professor, Department of Architecture
- Tracy Gabridge, Associate Director for Research and Instructional Services, MIT Libraries
- Erica James, Associate Professor, Anthropology Program
- Mark Molaro, Graduate Student, Chemical Engineering
- Ogheneovie Orieka, Undergraduate, Mechanical Engineering
- Doug Pfeiffer, Assistant Provost for Administration, staff to the committee
- Kai von Fintel, Associate Dean, School of Humanities, Arts, and Social Sciences
- Eric von Hippel, T. Wilson Professor in Management, Engineering Systems Division

WHAT'S NEW IN THE LIBRARIES?



ENHANCED MENDELEY ACCESS

Mendeley is a popular tool for managing, annotating and sharing PDFs. It can also be used to create citations and bibliographies in Microsoft Word, Open Office and LaTeX. The Libraries recently purchased an institutional edition of Mendeley to give MIT faculty, students, and staff enhanced access to the tool. To get access to the Mendeley Institutional Edition (MIE) subscription, join the MIT group. Go to: Mnd.ly/MITMEND. After joining the MIT group you will get 5 GB of personal space in Mendeley (vs. 2 GB with a free account) and 20 GB of shared space (vs. 100 MB for free). You can also create an unlimited number of shared groups with up to 25 members.

Questions? See our research guide and a video at: libraries.mit.edu/mendeley, or email: personal-content@mit.edu



Sharon C. Smith

NEW ARCHNET WEBSITE FOR ISLAMIC ART AND ARCHITECTURE

After ten years as the premier online resource for the study of material and visual culture in Islamic societies, Archnet has been reimagined and restructured. The new website, archnet.org – a collaboration between the Aga Khan Trust for Culture and the Aga Khan Documentation Center at MIT Libraries – is a portal to rich and unique scholarly resources featuring thousands of sites, publications, and images. It is focused on architecture, urbanism, environmental and landscape design, visual culture, and conservation issues related to the Muslim world. To learn more, visit archnet.org, or contact: archnet@mit.edu

KEEP YOUR LIBRARY BOOKS LONGER

At the start of spring term, the Libraries doubled the loan period for most materials. Now items like books, graphic novels and MIT theses, can be borrowed for 60-days. We've also increased the number of times books can be renewed. MIT faculty, students and staff can now renew loans up to five times (unless they've been requested by someone else). The longer loan periods, plus increased renewals, can add up to a loan of 360 days—nearly one year—for MIT faculty, students, and staff! Additionally, starting May 15, many items borrowed from the MIT Libraries will be automatically renewed. When renewals are available and materials have not been requested by other patrons, library loans will be automatically renewed 3 days before the due date.



UPCOMING EVENTS

Tuesday, April 29–Thursday, May 1
Preservation Week events

Thursday, May 1, 5-6 pm
Composer Forum with Florian Hollerweger: The Revolution is Hear! Sound Art, the Everyday, and Aural Awareness
 Lewis Music Library (14E-109)

Friday, May 2, noon-1pm
Open mic in the Lewis Music Library
 Lewis Music Library (14E-109)

Thursday, May 15–Wednesday, May 21
Finals Week study breaks

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