THE KATHARINE DEXTER
McCormick SOCIETY

Your Society News for Spring 2010
As I write this newsletter in the spring of 2010, the MIT campus is full of energy. Below is information about some of the things currently happening on campus:

✓ The MIT Energy Initiative (MITEI) has incorporated a new minor in Energy Studies. Like many things at MIT, and unlike programs anywhere else, the new minor is inherently cross-disciplinary, encompassing all of MIT’s five schools.

✓ MIT students and faculty have taken on real world problems, such as relief efforts in Haiti. You can see a copy of President Hockfield’s January 2010 letter to the MIT community on Haiti at: http://web.mit.edu/newsoffice/2010/haiti-letter.html. I am proud of the many ways that members of the MIT community are using their skills and expertise to address the world’s most pressing problems.

✓ The incoming freshman Class of 2014 is phenomenal, with the most competitive admissions statistics ever—only 9.7% of this year’s applicants were offered admission. We look forward to seeing these extraordinary students matriculate at MIT, and subsequently use their MIT education as world leaders.

✓ New buildings are being constructed to provide improved facilities for the MIT Media Lab, the Koch Institute for Integrative Cancer Research, the Sloan School of Management, and Undergraduate Housing (W1). More on this later in this newsletter.

A sad piece of MIT news that I would like to report to you is that MIT’s 12th president, Howard Wesley Johnson, passed away in December 2009 at age 87. Johnson served as President of MIT from 1966-1971 during years of campus political unrest. The fact that he was such a good listener made MIT much less fractured than many campuses during the years of Johnson’s presidency. There were many educational innovations established during his tenure as MIT President, including UROP, IAP, and pass-no credit freshmen grading. He also introduced the practice of including students as members of faculty committees, a practice still in effect today. Having been a student at MIT during his presidency, I feel that my contemporaries and I benefitted tremendously from his leadership. I know that many join me in mourning his passing, but remain grateful for all that he accomplished in his lifetime. You can read his obituary in MITnews at: http://web.mit.edu/newsoffice/2009/obit-johnson.html

To follow up with questions or requests for additional information, contact: Bonny Kellermann ’72, P: 617-253-9722 E-MAIL: bonnyk@mit.edu
Electronic Access to MIT Information

Tech Talk, MITnews
This past year, MIT stopped publishing physical copies of Tech Talk, MIT’s official newspaper. However all of the news that was available in this printed newspaper distributed on campus is now available electronically. You can access MITnews anytime at: http://web.mit.edu/newsoffice/. For those who are interested, you can receive MITnews electronically each week. Subscribe from the web page or, if you prefer, send a message to KDMS@mit.edu and indicate the e-mail address to which you would like this information sent. You can choose to receive a weekly digest of MIT’s research and innovation (MIT News: top stories) and/or a weekly digest of MIT’s community news (MIT News: around campus).

Faculty newsletter
You can also view copies of MIT’s Faculty Newsletter (FNL) on-line at: http://web.mit.edu/fnl/. FNL is a monthly publication in which faculty share information of interest to other MIT faculty. If you would like to be notified whenever a new issue is posted on line, you can sign up at the following website: http://mailman.mit.edu/mailman/listinfo/fnl-announce.

President Hockfield’s letters to the MIT community
You can see all letters that President Hockfield has sent to the MIT community at: http://web.mit.edu/hockfield/letters/index.html. You will find the following recent letters to the MIT community on this website: MIT’s financial condition (April 2010); Haiti (February 2010); Statement on the Report on the Initiative for Faculty Race and Diversity (January 2010); Death of Howard Johnson (December 2009); Global Education and Research (October 2009).

KDMS eNewsletter
As members of MIT’s Katharine Dexter McCormick Society (KDMS), you are an important constituency. As such, we want to be sure that the way we communicate with you is as effective as possible. It is currently our practice to send two newsletters a year to members. Going forward, would you like to receive these communications electronically?

Receiving the newsletter electronically has several advantages:

✓ The newsletter often includes links to websites with additional MIT information. The electronic newsletter will allow you to click on these links.

✓ In keeping with the MITGreening initiative to engage the entire MIT community in taking action to make our campus more sustainable, receiving information electronically will save trees and resources.

✓ You will be able to view photos in color.

✓ You will be able to receive your newsletter approximately a month sooner than the printed copy would reach you.

If you would like to receive the KDMS newsletter electronically in the future, please send a message to KDMS@mit.edu.
Upcoming Events

Cardinal and Gray Academy, MIT  
June 4, 2010
Luncheon Included
Once again, MIT will be holding a program for members of MIT’s Cardinal and Gray Society (those who have reached their 50TH MIT reunion). All members of the Katharine Dexter McCormick Society (KDMS) are welcome to participate in this program, even those KDMS members who are not members of the Cardinal and Gray Society. There is a great program planned for this year, with Nobel Laureate Professor Phillip Sharp as the Keynote Speaker, and other speakers including:

   Eric Klopfer, MIT Media Lab: K-12 Education
   Julie Soriero, Director of DAPER: MIT Athletics
   Ellen Harris, Music and Theatre Arts: Handel’s Investment Strategy
   Edmund Bertschinger, Physics: MIT Alumni Travel Program to the Magellan Telescope

Information (including registration information) is currently on the web at: http://alum.mit.edu/networks/CardinalGraySociety/Reunion. Or folks can contact me or contact the Alumni Association at 617-253-8824 to register.

Alumni Leadership Conference, October 22–23, 2010
Those of you who serve as Alumni volunteers will be receiving information about the Alumni Leadership Conference (ALC) to be held on Friday October 22, 2010 (afternoon) and all day Saturday

Yours truly,

October 23, 2010. There will be many sessions as part of ALC that you may find interesting. Even if you are not an alumni volunteer, you are welcome to participate. Contact Bonny Kellermann if you would like to receive information about this and are not currently an alumni volunteer.

KDMS Annual Appreciation Day Event, October 24, 2010
You will be receiving additional information at a later time with details about the Annual Katharine Dexter McCormick Society Appreciation Day event (tentatively planned for immediately after MIT’s Alumni Leadership Conference). Chancellor Phillip Clay will serve as Host for the event, and there will be an opportunity to learn about various MIT student initiatives.

You will also receive information at a later time about the Fall Cardinal and Gray Society meeting, possibly that same week. 😊

Campaign for Students

As the MIT Campaign for Students enters its final year, as of early April 2010 this fundraising effort in support of student aid and student life initiatives has reached almost $460 million in commitments, or 92% percent of the Campaign’s $500 million goal. So far, an astounding 40,000 donors have participated in the Campaign, which launched in 2008. The Campaign has boosted support for scholarships and fellowships, as well as expanded opportunities in education and student life, such as leadership development and international education. The Campaign ends in conjunction with the Institute’s 150th anniversary in 2011. To those of you who have already made gifts supporting the Campaign, thank you. If anyone would like information regarding ways to further support Campaign for Students initiatives, please contact Bonny Kellermann. 😊
Guthrie, Oklahoma is noteworthy for being the first capital of Oklahoma and home to the world’s largest Scottish Rite Masonic Temple. This town of 10,000 also features seven museums, among them, believe it or not, the National Four-string Banjo Museum. Long a lover of the banjo, I felt compelled to visit the museum when I discovered it on a sightseeing trip to Oklahoma a couple of summers ago. And there in its gallery presenting the history of the banjo in America hangs prominently, to my utter delight, a photograph of the MIT Banjo Club of 1903.

All of that reawakened memories of my own adventures in music at MIT. I sang with the Glee Club, participated in the All-Tech Sing, and acted in Dramashop. But what affected me most was my senior elective in the humanities, E46 Introduction to Music, taught by Professor Dean Mattison Fuller. It opened a new world for me - and it changed my life. Indeed, as grateful as I am for my superb MIT engineering education, I am equally grateful for the education that I gained in music. And in the arts as well, for the second senior elective that I chose was 4.41 Fine Arts taught by Professor John McAndrews.

A major step forward in music at MIT came in 1947, when Klaus Liepmann joined the faculty as the first professor of music. Since then music has grown and flourished, and today boasts a faculty of internationally recognized composers, musicologists, historians, and performers. The section grants the SB in Music, as well as a joint degree with engineering or science to double majors. In addition to the Symphony, the Wind Ensemble, the Festival Jazz Ensemble, the Concert Choir and the Chamber Chorus all of which may be taken for credit, a host of small student a capella and instrumental groups swells the sound of music at the Institute. And there’s more. The Media Lab in the School of Architecture brings an added dimension to MIT’s current music portfolio, with its nationally recognized work in electronic music.

So it is with theatre which offers course in acting, playwriting, directing, stagecraft, and dance. Dramashop traces its history to more than 75 years ago and is now a co-curricular program. Other student groups proliferate, among them The Shakespeare Ensemble, The Musical Theatre Guild, and The Gilbert and Sullivan Society. Like music, the section grants the Bachelor of Science in Theatre Arts as well as the degree for double majors.

The visual arts are everywhere. Centered in the School of Architecture, the academic programs in the visual arts are not only intrinsic to the architecture curriculum, but are included in its Arts, Culture and Technology Program which is at the cutting edge of artistic expression through emerging media and technologies. The position of the arts at MIT was cemented 10 years ago when the School of Humanities and Social Sciences, formed in 1950, was redesignated the School of Humanities, Arts, and Social Sciences.

MIT is recognized as having the finest collection of outdoor sculpture in metropolitan Boston, while the List Visual Arts Center in the Wiesner Building (E15), has, under the direction of Jane Farver, become a leading national exponent of contemporary art. Elsewhere paintings and sculpture abound in the halls and galleries. MIT’s one-percent-for-art program sets aside one percent of the building cost, up to $250,000, to commission a work of art for each new building on campus. The Student Art Association maintains facilities in the Stratton Student Center for the 400 or more students each year who find expression in drawing and

Remarks

By Claude Brenner ’47
Chair, Katharine Dexter McCormick Society
You Should Know...

MIT OpenCourseWare (OCW), available at http://ocw.mit.edu, makes the materials used in the teaching of almost all of MIT’s undergraduate and graduate subjects available on the Web free of charge. OCW was developed by the MIT faculty who share the Institute’s mission to advance knowledge and educate students in science, technology, and other areas of scholarship to best serve the world. You can go onto the OCW website and see (almost) any MIT course. This information is also available to people around the world with limited access to educational information.

OCW needs to secure $3.7M annually in order to continue publishing and updating MIT courses, producing new audio and video lectures, expanding our high school program, distributing content through a reliable world-wide network that reaches every corner of the globe, and continuing other outreach efforts. Since its inception in 2001, OCW has:

✓ Published more than 1,970 MIT courses on the OCW web site, representing 33 academic disciplines and all five of MIT’s schools; materials include full video lectures for 33 courses which are also available for free on iTunes U and YouTube;

✓ Received more than 91 million web site visits by 65 million visitors from virtually every country in the world, and provided physical copies of the site on hard drives to educational institutions in developing countries that lack the infrastructure to access OCW materials over the Internet;

✓ Created Highlights for High School, a web site that provides high school students and teachers with content and tools to supplement their math and science studies, and features more than 2,600 video and audio clips, animations, lecture notes, and assignments taken from actual MIT courses, and is organized to match the Advanced Placement physics, biology and calculus curricula;

Contact Bonny Kellermann if you would like to receive additional information about OpenCourseWare and/or would like to know how you can support OCW’s efforts.
The challenge in expanding MIT’s world-renowned Wiesner Building was to increase its size without altering its dynamics. A team headed by Pritzker Prize-winning architect Fumihiko Maki and executive architects Leers Weinzapfel Associates have designed an ingenious connecting structure that will support research and maximize interaction. The building links to the existing facility, which was designed by I.M. Pei and Partners in 1985. A delicate floating structure of glass and metal rods, the new building is designed as a sequence of interlocking double-height spaces. The nine flexible laboratories that flank the atrium are fully visible to passers-by. Clustering rows of offices around the labs encourages creative interaction. Transparent partitions emphasize the open plan offering extended sight lines through the building in every direction so that multiple activities can be seen from any vantage point. Together with the existing Wiesner Building, the complex houses the Office of the Arts, the Council for the Arts, the List Visual Arts Center, the SA+P’s Design Lab and Center for Advanced Visual Studies, the Department of Architecture’s Visual Arts Program, as well as MIT’s Program in Comparative Media Studies. In addition, the building incorporates the Okawa Center for Future Children, made possible by a $27 million donation from Isao Okawa, Chairman of CSK Corporation and Sega Enterprises Ltd. The building was officially opened on March 5, 2010.

New Sloan Building Creates an Eastern Gateway to Campus
Location: Between Memorial Drive and Main Street

A new building for the Sloan School of Management is currently under construction. Building E62 will be located just east of the current Sloan Building (E52) and extends from Memorial Drive to Main Street. The new building’s orientation to the north will announce the campus to motorists and pedestrians crossing the Longfellow Bridge.

The design of the new building includes offices, classrooms, over 30 group study rooms, dining, Executive Education suite, lounge areas, and new, usable outdoor spaces including a rebuild of Sloan Plaza. The building’s layout will connect to Buildings E52 and E60, improving service access to all MIT facilities on the block. Building E62 will be approximately 215,000 sq.ft. A 425 car-capacity garage, to be managed by the MIT Parking and Transportation Office, will be built below the building.

Like most of MIT’s new buildings, Building E62, will be
submitted for a “LEED Silver” or higher rating by the U.S. Green Building Council. The project incorporates a high-performance envelope with operable windows in office areas, (partial) green roof, low-wattage lighting, demand ventilation, occupancy sensor controls, water-based terminal heating and cooling units, and easy access to usable outdoor spaces. The garage, which has facilities for Zip Cars, is also designed to provide a large area of enclosed bicycle parking and support facilities for cyclists. Other bike parking is distributed around the site. Additional information on the sustainable building elements may be found on the Fact Sheet.

Prior to the start of construction, two 40-foot pin oak trees, each weighing 16 tons, were moved from Building E56 to their new home on Carleton Street across from the entrance to MIT Medical. Contractor D. Schumacher moved the trees for about the cost of purchasing a single new tree of the size relocated. In a separate effort, MIT Grounds Services relocated 30 large rhododendrons from Dibner to Killian Court.

The architects for the project are Moore Ruble Yudell Architects & Planners of Santa Monica, California, and Bruner/Cott Associates of Cambridge. Construction is currently underway. The new building is scheduled to be completed in the early summer of 2010.
The building is specifically designed to foster cross-disciplinary work and features a large core of highly sophisticated shared equipment. The KI’s faculty is composed of world-class engineers collaborating with eminent molecular geneticists and cell biologists. The building’s five laboratory floors will feature engineering and biology labs situated side by side. The combination of proximity and shared space for the spontaneous flow of ideas is key to the KI’s mission to combine advanced science with innovative technology to develop ground breaking solutions the problems of cancer.

Housed within the new Koch Institute facility will be the Swanson Biotechnology Center (SBC), named in memory of Robert A. Swanson ’69, the founder of Genentech and the visionary pioneer who translated the genetic engineering revolution into an industry that changed the course of medicine, including cancer research and treatment. The SBC will comprise 13 facilities providing cutting-edge equipment and technical services to KI researchers and collaborative partners.

Also within the KI, the Center for Nanotechnology Science (cNs) will capture a dynamic set of research initiatives using nanotechnology to address many of the most difficult cancer challenges—from detecting a few early malignant cells among billions of healthy cells, to delivering potent drugs to late-stage tumors without harming other tissue. A growing list of KI faculty members are engineering nanomaterials small enough to travel through the body, stealthy enough to evade detection by the body’s immune system, and chemically “smart enough” to deliver drugs directly to cancer cells.

The new building will also offer a new gateway to MIT: the Koch Institute Public Gallery, a 330-foot-long, glass lined, educational and exhibition space, open to the public and featuring interactive exhibits exploring the life sciences at MIT and the intersection of art, science, and technology. The inaugural exhibition in the gallery is scheduled to be ready in time for the dedication of the new building, in March 2011.

MIT’s Building W1 began a phased renovation starting in the Spring of 2009 thanks to a generous gift from an anonymous donor. This first phase of construction upgraded the building envelope. Work included window replacement, full masonry cleaning and joint re-pointing, repair or replacement of limestone features, re-building and seismic bracing of the roof parapets and replacement of the copper cupolas. This work was an important first step for the full renovation of the building and will help protect the building interiors until the remaining work can be completed.

Upon completion of the full renovation, W1 will resurface as a third entity, an undergraduate residence hall. In addition to the building envelope work, this former hotel turned graduate residence will have its infrastructure upgraded with new mechanical systems that are energy efficient and sustainable. Inside areas will be renovated and

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architectural features will be restored. In addition, the iconography of the building will be retained with appropriate choices made in the furniture, lighting and fixtures that will go inside the building.

When the building first opened in 1901 as the Riverbank Court it was a hotel with apartments destined to create a new Back Bay in Cambridge. The new residential neighborhood never caught on but the hotel stayed in business until the late 1930’s when MIT purchased it and converted it into a residence hall for graduate students. The students of Graduate Residence moved in September of 1939. Their first housemaster was Avery Ashdown who lived there until 1961. Following his death the building was named in his honor in 1966. The new graduate residence hall, NW35, which opened in August 2008, now carries both the name and traditions of Ashdown House.

W1 consists of approximately 160,000 sq.ft. in seven stories. When finished, the renovated building will provide living quarters for approximately 460 undergraduate students. In addition, plans for the building include addressing the needs of the MIT undergraduate residential life program such as graduate tutor, residential scholar and residential life apartments, House Master and Associate House Master suites and common dining areas to encourage interactivity among the residents. Other space will be developed for student life activity.

The building’s footprint was created in an “H” shape around an internal courtyard on the south side and an entry portico on the north. Landscaping enhancements for the courtyard will add outdoor activity areas to gather and enjoy.

As with other construction projects, the Institute’s environmental goals include applying for LEED Certification for this renovation. The LEED Silver rating will be a minimum target goal and will be achieved by the design of energy efficient mechanical systems, lighting and window options, selection of sustainable finish materials and good practices utilized during construction.

A Founders Group, appropriately named “Phoenix”, has been charged by the Dean of Residential Life to work with the Housing Office and Department of Facilities in the programming of the building. The Phoenix Group is currently living in NW35.

**Donations Still Needed**

*Naming opportunities still exist for each of these projects*

If you would like to receive information about supporting any of these projects, contact Bonny Kellermann.
In This Issue

A Personal Message 2
Bonny Kellermann ’72

Electronic Access to 4
MIT Information

Upcoming Events 6
Campaign for Students 7
Remarks 8

Claude Brenner ’47

You Should Know... 11

MIT OpenCourseWare

Under the Dome 12

Campus Building Projects

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Additional photography by friends of MIT.