

## Four to receive honorary degrees at Winter Commencement

Compiled by Jillian A. Bogater from material submitted by the Office of University and Development Events

One of the nation's most respected and innovative art museum directors, a renowned leader in the pharmaceutical industry, a legal scholar and education advocate, and an acclaimed operatic tenor are scheduled to receive honorary degrees at Winter Commencement 2015 on the Ann Arbor campus.



Minow

Martha Minow, the Morgan and Helen Chu Dean and Professor of Law at Harvard Law School, University of Michigan alumna, author and human rights advocate, will receive an honorary Doctor of Laws degree and deliver the Winter Commencement address at 2 p.m. Dec. 20 at Crisler Center.



Beal

Also receiving honorary degrees are Graham Beal, Doctor of Humane Letters; Dr. Pedro Cuatrecasas, Doctor of Science; and George Shirley, Doctor of Music.



Cuatrecasas

The degrees were approved by the Board of Regents at its meeting Oct. 15.



Shirley

**Beal**, recently retired director, president and chief executive officer of the Detroit Institute of Arts and currently the Hannah Visiting Distinguished Professor at Michigan State University, is one of the nation's most respected and innovative art museum directors.

See Honorary, [Page 14](#)



MICHAEL JAYRED

Graduate students Carli Arendt and Sarah Aarons, and faculty member Sarah Aciego, hold one of the ice core samples the team collected on Taylor Glacier in Antarctica in 2013. Aciego and Aarons return to the glacier in November, to collect more samples to support climate change studies.

## U-M Antarctic researchers study climate change where penguins roam

By Kevin Brown  
The University Record

Is it Antarctica, or heaven?

You can eat all the chocolate and other calorie-laden foods you want. That's because a busy researcher camped on a glacier needs energy, to drill and carry 60-pound ice core samples.

It's expected to stuff your parka pockets with Clif Bars, granola bars and more. Thick buttered pancakes for breakfast, and steak fried in butter with chilies for dinner also are good to consume.

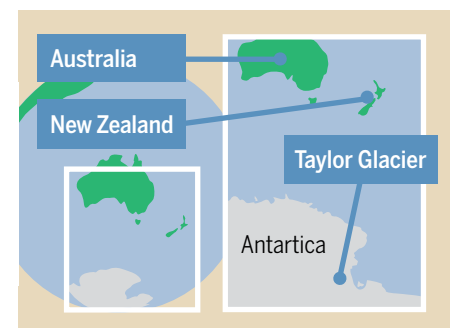
It's also quiet and peaceful.

In the Antarctic spring, the sun never sets. Checkerboard clouds can hang high in the sky. Ice crystal rainbows circle the sun.

See [Antarctica](#), [Page 16](#)

### Taylor Glacier

U-M researchers will return to Antarctica next month to collect ice samples.



SOURCE: GOOGLE MAPS  
STEVE CULVER, THE UNIVERSITY RECORD

## Random coffee meet-ups spurring innovation across campus

By Greta Guest  
Michigan News

He designs algorithms to optimize ship speeds for competing needs. She studies the science of motivation to understand what makes people stick to their health and fitness goals.

These University of Michigan professors — Nickolas Vlahopoulos, professor of naval architecture and marine engineering, and Michelle Segar, director of the Sport, Health, and Activity Research and Policy Center — appeared to have little in common. But once they connected through Innovate Brew, things got interesting.

### More online

- **Innovate Brew:** [innovateblue.umich.edu/research/innovate-brew/](http://innovateblue.umich.edu/research/innovate-brew/)
- **Innovate Blue:** [innovateblue.umich.edu/](http://innovateblue.umich.edu/)
- **Video:** [https://youtu.be/I2TC\\_zICfHA](https://youtu.be/I2TC_zICfHA)

Innovate Brew is a first-of-its-kind program that randomly matches U-M faculty for 30-minute coffee meetings once a month to foster more innovative thinking on campus.

"As soon as Nick said decision-making with competing interests, I realized that's our sweet spot right there," Segar said. "I thought the intersection of our work would make a good pilot project, exploring how to create a decision-making tool to help clinicians and patients."

Last summer, more than 260 U-M faculty took part in the pilot phase of the social networking experiment to spark research innovation. The permanent program kicked off this fall and is open to all U-M faculty.

See [Brew](#), [Page 18](#)

### INSIDE

#### Kevorkian papers acquired

The Bentley Historical Library has acquired the papers of Dr. Jack Kevorkian, a controversial Detroit-area native best known for his advocacy of physician-assisted suicide and terminal patients' "right to die."

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#### STAFF SPOTLIGHT [Page 13](#)

**"Theatre is important. Art is important. Ballet is important. Music is important. Make some art everybody — it's important."**

— Beth Sandmaier

President initiates selection and appointment process for vice president for research [Page 2](#)

White House honors James Sayer for innovation in transportation [Page 3](#)

Global M-Prize music competition will award \$100,000 grand prize [Page 4](#)

Four biological kingdoms influence disease transmission in monarch butterflies [Page 8](#)

**M** | LSA HELEN ZELL WRITERS' PROGRAM  
UNIVERSITY OF MICHIGAN

## ZELL VISITING WRITERS SERIES 2015

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### OCTOBER events

#### CATHY PARK HONG Poetry Reading and Book Signing

Thursday, Oct. 1, 5:30 pm  
Helmut Stern Auditorium  
U-M Museum of Art

**Q & A**

2 pm, Hopwood Room

#### SARAH SHUN-LIEN BYNUM Fiction Reading and Book Signing

Thursday, Oct. 22, 5:30 pm  
Helmut Stern Auditorium  
U-M Museum of Art

**Q & A**

2 pm, Hopwood Room

#### LOUISE GLÜCK Zell Distinguished Poet in Residence Poetry Reading and Book Signing

Tuesday, Oct. 27, 7 pm  
Apse  
U-M Museum of Art

#### In Conversation with Linda Gregerson

Thursday, Oct. 29, 5:30 pm  
Helmut Stern Auditorium  
U-M Museum of Art

The Zell Visiting Writers Series is presented by the Helen Zell Writers' Program in partnership with the University of Michigan Museum of Art, with support from the Department of English Language & Literature, the Office of the Vice President for Research, and Janey Lack.

**All events are free and open to the public.**  
For additional information visit [lsa.umich.edu/writers](http://lsa.umich.edu/writers).



## President initiates selection and appointment process for vice president for research

By **Jillian A. Bogater**  
The University Record

President Mark Schlissel has initiated the selection and appointment process to fill the position of vice president for research.

S. Jack Hu has served as interim vice president for research since January 2014.

The vice president for research is the chief research official overseeing the university's \$1 billion research portfolio, plays a leadership role in national and international activities regarding research policy and guides the university in defining research goals and identifying emerging research opportunities.

The position is an executive officer

reporting directly to the president and also works closely with the provost to fully align research with the overall academic mission of the university. The vice president for research leads the Office of Research consisting of eight research units and six service units that support research and research-related activities.

The President's Office is overseeing the selection and appointment process and is accepting nominations and applications for the position.

The position description and an option to submit nominations and applications online are at [president.umich.edu/vp-research-2015](http://president.umich.edu/vp-research-2015). Inquiries can also be directed to [vpresearch2015@umich.edu](mailto:vpresearch2015@umich.edu).

### FOR THE RECORD

An Oct. 12 story in the Record titled "Radrick Farms Golf Course celebrates 50 years and place in history" erroneously stated L.L. Woodworth designed Ann Arbor's landmark Michigan Theater. The theater, in fact, was designed by Maurice Finkel.

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DEADLINE for Events, Accolades and Briefs



## Mary Stewart scholarship



ROGER HART, MICHIGAN PHOTOGRAPHY

Mary Stewart, recently retired event services coordinator at the Michigan Union, looks at a poster of images from a wall in her office depicting students she has worked with over the years. The poster was on display Friday at an event celebrating Stewart, her encouragement of black students at U-M over the years and the presentation of the first Mary Stewart Scholarship through the Alumni Association's LEAD Scholars Program. Looking on is U-M alumnus Glenn Eden, one of the scholarship's organizers.

## White House honors James Sayer for innovation in transportation

By Bernie DeGroat  
Michigan News

The University of Michigan's James Sayer was honored at the White House Oct. 13 for his leadership in advancing connected and automated transportation.

Sayer, a research scientist at the U-M Transportation Research Institute and deployment director for the Mobility Transformation Center, is one of 11 people from across the country who received a 2015 Transportation Champions of Change Award.



Sayer

The award is given to transportation leaders "who have provided exemplary leadership in advancing transportation and championing innovation that will benefit our nation's transportation system for decades to come."

During the event, Sayer was recognized by U.S. Department of Transportation Secretary Anthony Foxx and participated in a panel discussion where he discussed his work.

"Jim Sayer is widely recognized as a leader in the field of connected vehicles," said S. Jack Hu, interim vice president for research at U-M. "His work with the Connected Vehicle Safety Pilot Model Deployment was instrumental in demonstrating the potential of the technology, and his ongoing work with the U-M Mobility Transformation Center, including the design and development of Mcity, is laying the foundation for a new era of driverless vehicles."

Sayer was the principal investigator of the U.S. DOT-funded Connected Vehicle Safety Pilot Model Deployment and serves as the principal investigator for the Ann Arbor Connected Vehicle Test Environment.

With support from U-M and the Michigan Department of Transportation, Sayer has overseen the creation, construction and operation of Mcity — the world's first controlled environment specifically designed to provide safe, rigorous, repeatable testing of connected and automated vehicle technologies before they are tried out in real traffic.

Mcity, part of the Mobility Transformation

### More online

- **Mcity:** [mtc.umich.edu/test-facility](http://mtc.umich.edu/test-facility)
- **Mobility Transformation Center:** [mtc.umich.edu](http://mtc.umich.edu)

Center, simulates a broad range of complexities that vehicles and pedestrians encounter in urban and suburban traffic environments. It is located on North Campus in order to ensure student engagement in, and learning from, the development of connected and automated technologies.

"Every year, motor vehicle crashes claim thousands of lives. In fact, in the U.S., motor vehicle crashes are the leading cause of death of people under 35 years old," Sayer said. "Last year, alone, there were more than 30,000 fatalities. Connected vehicles could reduce up to 80 percent of unimpaired crashes."

U-M, along with partners in government and industry, has made significant investments in the advancement of intelligent transportation, including connected and automated vehicle technologies, Sayer said.

Since 2012, U-M has been the test conductor for the Connected Vehicle Safety Pilot Model Deployment, the largest connected vehicle pilot in the world. U-M is expanding on that experiment with the Ann Arbor Connected Vehicle Test Environment.

The deployment of connected vehicles and infrastructure technologies will soon expand from a small section of Ann Arbor to include the entire city, as well as add several thousand additional vehicles. It is one of three complementary, on-road vehicle deployments that, along with Mcity, will serve as test beds to evaluate the most promising approaches to connected and automated mobility.

"The Ann Arbor Connected Vehicle Test Environment takes us from research to real-world deployment," Sayer said. "Ann Arbor is the world's first example of how connected vehicle and infrastructure technology can and will be utilized by an entire community in the future."

## U-M endowment valued at \$10 billion in FY 2015

By Rick Fitzgerald  
Public Affairs

The University of Michigan's long-term investment strategy continues to provide the university with a steady stream of endowment funding, with fiscal year 2015 distributions increasing to \$294.5 million as the total value of the endowment rose to \$10 billion.

The return on investment for the university's endowment was 3.5 percent in fiscal year 2015, increasing the overall value of the endowment to \$10 billion as of June 30, 2015, up from \$9.7 billion the previous year.

The change in market value from the prior year was primarily due to investment gains and new endowment gifts. The university is in the midst of its Victors for Michigan fundraising campaign, which has a goal of raising \$4 billion.

With a 10-year annualized return of 8.4 percent, U-M sits in the top quartile for long-term investment performance among university endowments. The U-M endowment is ranked the ninth largest among all U.S. universities and third among public universities after two university systems. On a per-student basis, U-M's endowment is the 88<sup>th</sup> largest endowment.

The figures are among those included in the university's annual investment report, presented Oct. 15 to the Board of Regents during a meeting on the UM-Flint campus. That report also notes that the university's total cash and investments as of June 30 stood at \$11.7 billion.

"The 3.5 percent investment return, despite last year's headwinds, is down from the strong 18.8 percent investment return in fiscal year 2014, but still near the top quartile when compared with all college and university endowments," explains Chief Investment Officer L. Erik Lundberg. Longer-term performance, he says, "is more than sufficient to sustain and grow the endowment in real terms net of spending."

Last year Lundberg cautioned that lower rates of return could lie ahead, noting that periods of high returns "usually beget lower future returns as markets often get ahead of underlying fundamentals."

Lundberg, who has led the U-M investment office since it was formed in 1999, said the FY '15 investment performance was tempered by sharply lower energy prices, which affected the performance from the university's relatively large allocation to natural resources; an appreciating U.S. dollar that eroded the returns of the often-well-performing non-U.S. based investments; and high starting valuations, which dampened returns from equity and fixed-income investments.

Distributions from the endowment that help fund university operations totaled \$294.5 million in fiscal year 2015, up from \$284.4 million the previous year, says Kevin Hegarty, the university's executive vice president and chief financial officer. During the last 15 years, distributions from the endowment have exceeded \$3.2 billion.

"Because of our long-term approach to investments and a conservative approach to distributions, the university's endowment is able to provide increased funding for university operations through the up and downs of the market over time," Hegarty explains. "Donors appreciate this approach and have confidence the university will invest their donations appropriately."

The university's endowment actually is a collection of about 9,100 separate endowment funds that provide support for specific purposes such as scholarships, educational programs or professorships.

For example, roughly \$2 billion, or 21 percent of the endowment, is restricted for use by the U-M Health System. Another \$2 billion is earmarked for student scholarships and fellowships.

To ensure continuing support for future generations, the endowment funds are invested so part of the annual distribution can provide a steady flow of dollars each year. This long-term approach also is designed to protect and grow the endowment corpus in real terms, Hegarty says.

U-M annually distributes a portion of the endowment's average market value calculated over the last seven years for operating purposes. In 2010 the Board of Regents voted to gradually reduce the portion distributed from 5 percent to 4.5 percent in order to better preserve and grow the endowment over time. This reduction was fully implemented during FY '14.

Basing the spending on a trailing average market value instead of the current market value allows the university to stabilize endowment distributions year-over-year so operating budgets are insulated from the volatility in financial markets, and receive dependable support over time.

### More online

- **An explanation of the endowment in Q&A format:** [vpcomm.umich.edu/pa/key/endow\\_qa.html](http://vpcomm.umich.edu/pa/key/endow_qa.html)



# Global M-Prize music competition will award \$100,000 grand prize

By Marilou Carlin  
School of Music, Theatre & Dance  
and Sydney Hawkins  
Michigan News

In a bid to identify and showcase the highest caliber of chamber music ensembles in the world, U-M has announced M-Prize, a new international competition that will present a grand prize of \$100,000 — the largest award of any competition of its kind.

M-Prize will be based at the School of Music, Theatre & Dance and will take place each May, beginning in 2016. Applications are being accepted online at [mprize.umich.edu](http://mprize.umich.edu), with a deadline of March 1, 2016. The competition will include two age divisions: Junior (ages 18 and younger) and Senior (average age 19-35).

The competition, sponsored by Office of the Provost, will be open to ensembles of between three and eight members and will include categories for strings and winds as well as an “open” category for ensembles that can include mixed instrumentation, technology, voice and improvisation.

During its inaugural year, M-Prize will focus on chamber music, but in ensuing years it plans to expand to include the full spectrum of chamber arts.

The M-Prize grand prize winner will be selected from one of three Senior Division Ensemble Finalists during a gala concert May 20 at Hill Auditorium. The concert will be

“The vast possibilities inherent in chamber music empower it with the unique ability to serve as a catalyst for interdisciplinary exploration and, ultimately, transformational artistic experiences.”

— AARON DWORKIN

## More online

- **M-Prize:** [mprize.umich.edu/](http://mprize.umich.edu/)
- **Video:** [myumi.ch/65IRE](http://myumi.ch/65IRE)

broadcast on Detroit Public Television and made available to PBS stations throughout the country.

In addition to the cash prize, the grand prize-winning ensemble also will be presented by University Musical Society on its chamber music concert series the following season. UMS, which recently received the National Medal of Arts, presents many of the world’s leading performing artists in classical music, jazz, world music, theater and dance.

Aaron Dworkin, who became dean of SMTD in July, is the driving force behind the competition.

Founder of the Sphinx Organization, the nation’s leading nonprofit for increasing diversity in the classical music world, Dworkin’s goal for M-Prize is to focus needed attention on chamber music. It is an

art form he believes will provide the most vibrant career paths for ensembles comprising conservatory-trained musicians and other performing artists.

“The vast possibilities inherent in chamber music empower it with the unique ability to serve as a catalyst for interdisciplinary exploration and, ultimately, transformational artistic experiences,” Dworkin said.

“This has the eventual result of increasing the relevance of the chamber music field to society, and what better place to convene the established and emerging leaders in chamber music than the University of Michigan? As we prepare our students to excel, we are also looking to evolve the artistic landscape for performing artists.”

Among the first actions that Dworkin implemented as dean at SMTD was to create a Department of Chamber Music, along with a new program in entrepreneurship training and career services. He sees the two areas as inherently intertwined and

views the M-Prize as a way to further the value of both.

“M-Prize will showcase how artists at the top of their field are forging their own careers, a necessity in the modern age of performing arts,” he said. “At the same time, it will encourage young artists to explore the limitless possibilities of the genre.”

The stated goals of the M-Prize competition are to:

- Provide a world-class performance and adjudication platform for chamber arts.
- Launch and advance the careers of chamber ensembles through prizes, visibility and professional development opportunities.
- Evolve the breadth and depth of the chamber arts landscape and associated professional opportunities for exceptional ensembles.

M-Prize adjudicators include top pedagogues and performers in chamber music. The 15-member international jury includes violinist Rachel Barton Pine, saxophonist Timothy McAllister and jazz drummer/composer John Hollenbeck.

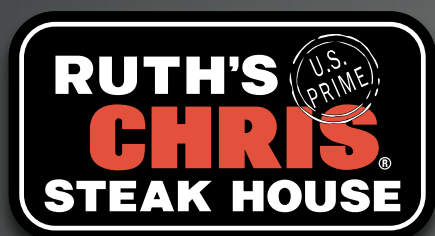
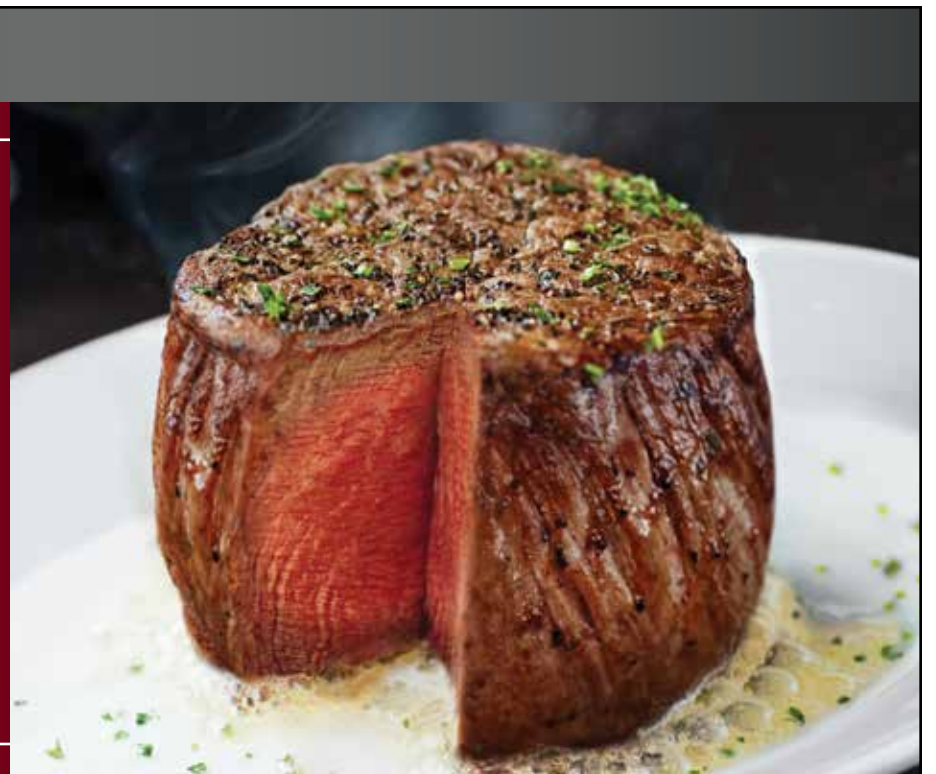
The M-Prize advisory board includes a large cross-section of performers and artists along with higher education administrators and professors. The roster features chamber music icons, such as cellist David Finckel and pianist Wu Han, the Kronos Quartet, violinist Ida Kavafian, pianist Joseph Kalichstein, saxophonist Donald Sinta and jazz pianist Geri Allen.

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**FSU approves new academic degree programs**

Ferris State University's Board of Trustees have approved two new academic degrees, including a Bachelor of Science in respiratory therapy and a redesigned Insurance and Risk Management degree from the College of Business. The Bachelor of Science in respiratory therapy degree will feature two areas of specialization: advanced clinical practice and leadership. The Insurance and Risk Management program will offer a major, minor and certificate programs. The university plans to implement the programs in Spring 2016.

**Wayne State dedicates new \$93M biosciences center**

Wayne State University celebrates the Integrative Biosciences Center (IBio). The center is a \$93 million research facility that will be dedicated to studying and eliminating the many health disparities that plague Detroit residents. Research teams include environmental sciences, behavioral health, cardiovascular health, metabolic disorders, bio and systems engineering, and systems biology.

**MSU researchers receive \$4.15M grant to explore cancer risks**

Two Michigan State University researchers have received a five-year, \$4.15 million grant. Their research will look at how a high-fat diet interacts with BP-3, a chemical found in sunscreen, and what effect it could have on breast cancer risk. They will additionally work to develop effective prevention strategies.

PEER INSTITUTIONS

**Wisconsin receives \$28M gift for art education**

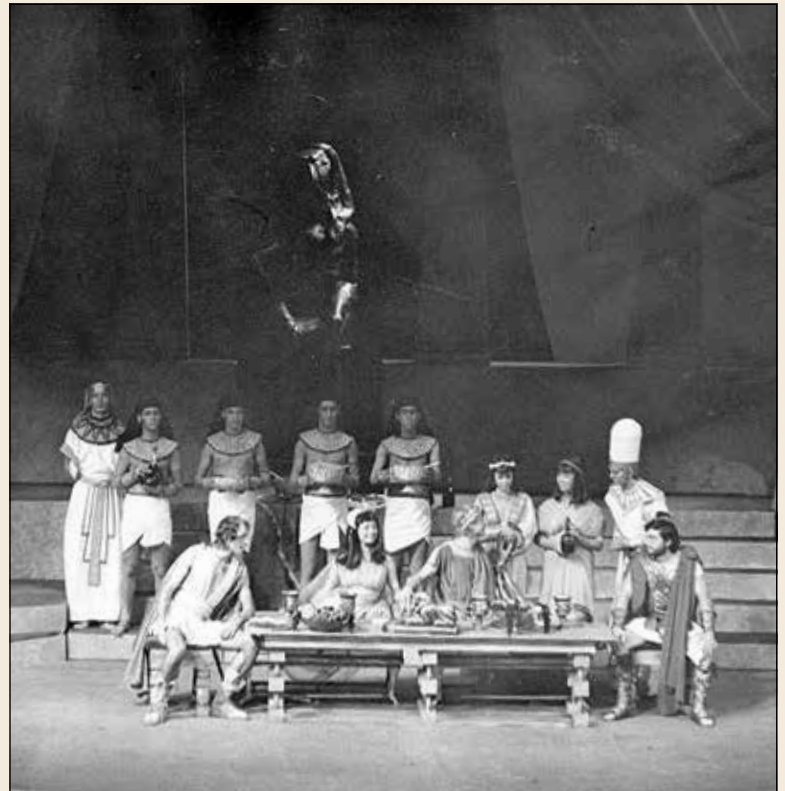
University of Wisconsin-Madison alumni Jerome and Simona Chazen have pledged a \$28 million gift to the school's art program in the form of several valuable pieces of art from their private collection, as well as an additional \$5 million gift for the Chazen Museum building and \$3 million to establish the Chazen Family Distinguished Chair in Art and the Simona and Jerome Chazen Distinguished Chair in Art History. The Chazens previously made a \$20 million donation to support the expansion of the school's art museum, which was renamed for them.

**UT Austin receives \$4M for brain imaging and manipulation**

Researchers at the University of Texas at Austin have received three grants, totaling \$4 million, to develop techniques for imaging and manipulating the activity of neurons in the brain. This research will help scientists explore addiction, obesity, fear, and other brain states and disorders. The funding from the National Institutes of Health is part of the Brain Research through Advancing Innovative Neurotechnologies Initiative launched by President Obama.

OLD SCHOOL: U-M IN HISTORY

**Caesar and Cleopatra**



COURTESY, DEPARTMENT OF THEATRE & DRAMA

Having identified the need for a new theater on campus, Eugene and Sadye Power, along with their son Philip, made a major gift to U-M, leading to the construction of the Power Center for the Performing Arts. It formally opened its doors in 1971. The Department of Theatre & Drama subsequently presented its first play there that year, George Bernard Shaw's "Caesar and Cleopatra." Priscilla Lindsay (Bachelor of Arts '71, Master of Arts '72, seated second from left) co-starred as Cleopatra. Today she is a professor and chair of the Department of Theatre & Drama. Chester Smith (seated left, Master of Arts '69) co-starred as Caesar. The cast is pictured Oct. 20, 1971.

— Courtesy of the Department of Theatre & Drama, celebrating its centennial. It is part of the School of Music, Theatre & Dance.



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## ON CAMPUS BRIEFS



AUSTIN THOMASON, MICHIGAN PHOTOGRAPHY

Irma Wyman, computer industry pioneer, alumna and longtime friend of CEW, celebrates at CEW Scholarship Awards Ceremony Oct. 4 with Snehalatha Kavuri. Kavuri is earning her Master of Science in computer science and is one of two 2015-16 Irma Wyman Scholars.

### Center for the Education of Women awards scholarships to nontraditional students

The Center for the Education of Women at the University of Michigan recently granted more than \$350,000 in scholarships and fellowships to 53 recipients for the 2015-16 academic year. It is the only U-M scholarship program devoted to advancing the education and careers of students returning to school after an absence.

The scholarships are funded through donors. CEW has historically served women, but a number of scholarships are open to both women and men. For 2016-17 scholarship application requirements, go to [cew.umich.edu/services/scholar](http://cew.umich.edu/services/scholar) or email [cew-scholarships.umich.edu](mailto:cew-scholarships.umich.edu).

### See president's remarks live

President Mark Schlissel will outline his vision and priorities for the university

in remarks to university leaders Friday, Oct. 23. All faculty, staff and students are able to watch his remarks live on the university gateway website at [umich.edu/watch/](http://umich.edu/watch/) starting at 8 a.m. The event is open to invited university leaders in the Michigan Union Ballroom.

### \$6.7M project aims to improve dialysis care

Helping kidney dialysis patients have healthier treatment sessions and longer lives is the goal of a new \$6.7 million project at U-M. Tiffany Veinot, associate professor at the School of Information and School of Public Health, will receive funding for the work from the Patient-Centered Outcomes Research Institute. Dr. Rajiv Saran, professor of internal medicine and epidemiology at the Medical School and School of Public Health and associate director of the Kidney Epidemiology and Cost Center, will co-lead the study. The project will educate patients and their medical teams on how to make dialysis sessions safer for patients.

### Recreational Sports Intramural Sports registration starts Friday

Faculty and staff can sign up for Fall II sports between Friday and Oct. 26. Broomball, flag football, extreme dodge ball or basketball will be available. There are leagues for all groups and levels of play, including graduate, faculty and staff leagues. Registration information is at [recsports.umich.edu/intramurals](http://recsports.umich.edu/intramurals).



MARCIN SZCZEPANSKI

U-M Solar Car Team member Jiahong Min wipes off dust from the new solar car, "Aurum." The car is competing this week in the World Solar Challenge, an 1,800-mile journey through the Australian Outback.

### Live coverage of U-M in solar car race begins soon

The nation's top solar car racing team from the University of Michigan on Sunday began competing in the World Solar Challenge, an 1,800-mile journey through the Australian Outback. The 2015 Bridgestone World Solar Challenge started in Darwin in Australia's Northern Territory. It ends in Adelaide, South Australia. While it's officially over Oct. 25, the U-M team typically finishes in four-to-five days. Team members are driving a one-seater they designed and built, "Aurum," the Latin word for gold. Live coverage is at [hdme.engin.umich.edu/solarcar25](http://hdme.engin.umich.edu/solarcar25).

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LETTER TO THE EDITOR

To the Editor:

In The University Record of October 11, James Iseler gave a brief summary of my Academic Freedom Lecture of October 8, "Experiencing Exclusion." He reported my description of how the historian Charles Trinkaus, himself in jeopardy during the Red Hunt, had feared to enter into scholarly exchange with me. I hasten to add that I also praised Trinkaus's important contribution to our understanding of the social context of Renaissance philosophy and that his published writing had influenced my own historical understanding. I also said that once the time of troubles ended, Charles Trinkaus and I enjoyed scholarly exchange. While recalling the damage done to scholarly bonds by the attacks of the 1950s, it is important to recall the successes we had in repairing them.

**Natalie Zemon Davis**  
Henry Charles Lea Professor of History emerita,  
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## RESEARCH

## Four biological kingdoms influence disease transmission in monarch butterflies

By Jim Erickson  
Michigan News

Experiments with monarch butterfly caterpillars and the milkweed plants on which they feed have shown for the first time that interactions across four biological kingdoms can influence disease transmission.

Monarchs are susceptible to various parasites that can weaken them and shorten their lifespan. It's been known for some time that toxins produced by milkweed plants can protect monarchs from those parasites.

In a paper scheduled for online publication Oct. 13 in the journal *Proceedings of the Royal Society B*, researchers from the University of Michigan and Emory University show that root fungi that form a symbiotic relationship with milkweed plants also play a role in disease transmission.

U-M ecologist Mark Hunter and his colleagues report that representatives from four of the traditional biological kingdoms — plants, animals, fungi and protozoan parasites — are involved. In traditional biological taxonomy schemes, protozoans were included in a kingdom called Protista.

The symbiotic fungi in question are called arbuscular mycorrhizal fungi. In return for sugars, these fungi provide plants with nutrients and water.

"All four of these kingdoms are connected in the ecology of this disease," said Hunter, a professor in the Department of Ecology and Evolutionary Biology. "Mycorrhizal fungi associated with the roots of milkweed plants change the medicinal



AUSTIN THOMASON, MICHIGAN PHOTOGRAPHY

Monarch butterflies on milkweed flowers.

chemistry of milkweed leaves and therefore the transmission of the monarch parasites."

Because more than 90 percent of land plants associate with mycorrhizal fungi, the monarch findings likely have important implications for the study

of community ecology in general and disease ecology in particular, according to the authors.

And since humans obtain about half of their new pharmaceuticals from plants, mycorrhizal fungi likely affect not only the medicinal quality of plants but the potential for new drug discoveries, as well, Hunter said.

The first author of the paper is Leiling Tao, a former doctoral student in Hunter's lab who now is a postdoctoral researcher in the laboratory of Emory biologist Jaap de Roode. The other U-M author is Camden Gowler, a doctoral student in the Department of Ecology and Evolutionary Biology.

"It's well known that these fungi are important to plants and provide a lot of services, such as helping them cope with different types of stresses," Tao said. "What we didn't know before was that they also affect host-parasite interaction in animals above the ground."

In their greenhouse experiments, the researchers grew six species of milkweed that produce varying amounts of medicinal toxins called cardenolides. The plants were grown either with no mycorrhizal fungi, with low levels, or with high levels.

The various milkweed plants were fed to monarch caterpillars, which were later exposed to spores from the protozoan parasite *Ophryocystis elektroscirrha*, a relative of the parasite that causes malaria in humans.

The researchers found that the fungi affected the virulence of the parasite and the ability of monarchs to resist

**"All four of these kingdoms are connected in the ecology of this disease."**

— MARK HUNTER

infection and to tolerate the pathogen once infected. The effects varied with the species of milkweed and the density of the mycorrhizal fungi in the plant roots.

"We found that these changes caused by the fungi affect the growth of a protozoan parasite, so that monarchs become sicker on some milkweed plants and healthier on others," de Roode said.

The researchers conclude that soil organisms may play an under-appreciated role in the ecology of many land-based host-parasite systems.

In 2010, Hunter and de Roode discovered that female monarch butterflies infected with *O. elektroscirrha* prefer to lay their eggs on species of milkweed that will make their caterpillars less sick. Monarchs appear to have evolved the ability to medicate their offspring by choosing milkweed plants with high levels of cardenolide toxins.

In addition to Tao, Hunter and Gowler, authors of the paper are de Roode and Aamina Ahmad of Emory University. The work was supported by the National Science Foundation.

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# Medical School reports on record-breaking year for inventions, patents

By Kara Gavin  
UMHS Department of Communication

You might not see a tiny University of Michigan “block M” logo on the drugs, devices and methods your doctors use in the future.

But new ideas and technology developed at U-M may very well be behind the care you get.

In fact, more of those ideas and inventions are making their way out of U-M research laboratories and into the “real world” than ever before.

New data show this kind of technology transfer activity by U-M Medical School scientists and doctors rose again in the last year. From new cancer drugs and a way to track medical implants, to mobile apps that could help people with bipolar disorder and parents installing child car seats, the school generated 39 percent of all inventions reported by U-M as a whole.

In the past two years, the school has introduced new programs to help the teams that come up with these new ideas.

“We know that much of the research we do won’t make a difference for patients unless we help it bridge the gap between the university and the marketplace,” says Dr. James O. Woolliscroft, dean of the Medical School. “That’s why we have invested so heavily in resources to help our researchers develop their ideas in ways that can be attractive to industry, learn how to work with industry on collaborative research, and even start new companies of their own.”

The increase in new inventions was aided by a partnership between U-M Tech Transfer and a new program,

“We know that much of the research we do won’t make a difference for patients unless we help it bridge the gap between the university and the marketplace.”

— DR. JAMES O. WOOLLISCROFT

the Fast Forward Medical Innovation (FFMI) program, launched in 2014. This partnership includes programs to encourage and educate faculty researchers, and resources to further develop emerging new ideas.

In the fiscal year that ended in June, Medical School tech transfer activity resulted in:

- 166 new inventions, up from 133 the year before
- 51 new patent applications, up from 45
- 54 patents awarded, up from 39
- 74 new option and license agreements with industry, up from 60
- 10 new startup companies, up from 1.
- \$74.8 million in revenues from Medical School tech transfer license agreements. A substantial component of these revenues is from a monetization agreement connected to a previous license for a drug initially developed at U-M to help patients with Gaucher disease.

The school is reinvesting much of its share of these revenues into an effort to improve how new drugs and ideas get tested in patients and healthy people who volunteer for clinical trials.

In addition to moving ideas from U-M labs to the market, the Medical

School has also worked to increase its partnerships with companies that need to test their new ideas, or develop them further, with independent help from U-M doctors and scientists:

- 13 percent of Medical School research funding now comes from industry, with \$63.7M in funding granted by 265 companies in FY14.
- Industry grants for research at the Medical School rose 36 percent in the last four years.
- More than 516 clinical trials sponsored by industry are under way at U-M hospitals and clinics, giving patients access to the latest innovations and provides independent testing of future products.

The long journey from a spark of an idea, to a product that can help patients, has many potential detours and potholes that can keep researchers from reaching their goal.

The Medical School now offers training, funding and mentoring that can help keep them on the path. This includes:

- “Tech mining” that actively looks at what’s going on in Medical School labs with an eye toward finding ideas that could become products
- Millions of dollars in pre-seed funding to further develop emerging

startups for private investment. The school even held an event based on the popular TV show “Shark Tank” that let teams compete in front of real-world investors.

- Commercialization education for faculty and students — more than 500 of whom signed up in the first year
- Other training, online and in person
- An innovation course for young doctors while they are still in training
- A “path of excellence” for medical students who want to start leaning about innovation and entrepreneurship as part of their curriculum
- A “speed dating” event to connect those who have ideas for health apps and computer programs with those who have the skills to make them a reality
- An intensive technology development course for teams that provides a pathway to building the business case for their research-based project to generate a product

“It’s been a whirlwind since we launched Fast Forward Medical Innovation, but these results and the incredible pipeline of other ideas we’re building prove that investing in innovation can truly pay off,” says Dr. Kevin Ward, executive director of FFMI. “The research we do at this Medical School has an incredible potential to help patients in the near and long term, and we’re working to unleash more of that potential than ever before. Working closely with our innovation partners around campus including the U-M Tech Transfer Office greatly enhances our ability to move those great ideas to impact.”

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## UM-Flint to expand with purchase of downtown office building

By Marjory Raymer  
UM-Flint

The University of Michigan-Flint has been authorized to purchase a portion of FirstMerit's downtown Flint complex in what would be the first major expansion of the campus since on-campus housing was added in 2008.

The Board of Regents on Oct. 15 authorized the future purchase of the 160,000-square-foot, 10-story north tower at 328 S. Saginaw St. for \$6 million. The building represents a major expansion for the campus, increasing total space by approximately 11 percent. The estimated cost of similar new construction is \$64 million.

FirstMerit, a banking and financial services company, will maintain ownership and occupy the remaining two buildings in the complex.

This agreement demonstrates both organizations' ongoing commitment to the well-being and revitalization of Flint and keeping its downtown vibrant.

"This is an opportunity for us to continue expanding the University of Michigan-Flint's footprint downtown and to provide the university with much-needed space for academic and administrative programs," said UM-Flint Chancellor Susan E. Borrego.

"This purchase comes at a fraction of the cost it would take to construct a new building and allows us to more

**"This is an opportunity for us to continue expanding the University of Michigan-Flint's footprint downtown and to provide the university with much-needed space for academic and administrative programs."**

— SUSAN E. BORREGO

quickly address space constraints across campus."

The north tower will be separated from the other two buildings as part of the transfer in ownership. Closing on the purchase is expected by March 31, 2016, subject to the completion of due diligence on the property.

The north tower is located directly across Saginaw Street from the University Pavilion and across Union Street from the Riverfront Center, which houses the UM-Flint School of Management and student housing.

The university will begin the process of evaluating space needs and priorities before deciding what will be housed in the building. This is the first addition of academic space since 2002, when the William S. White Building opened.

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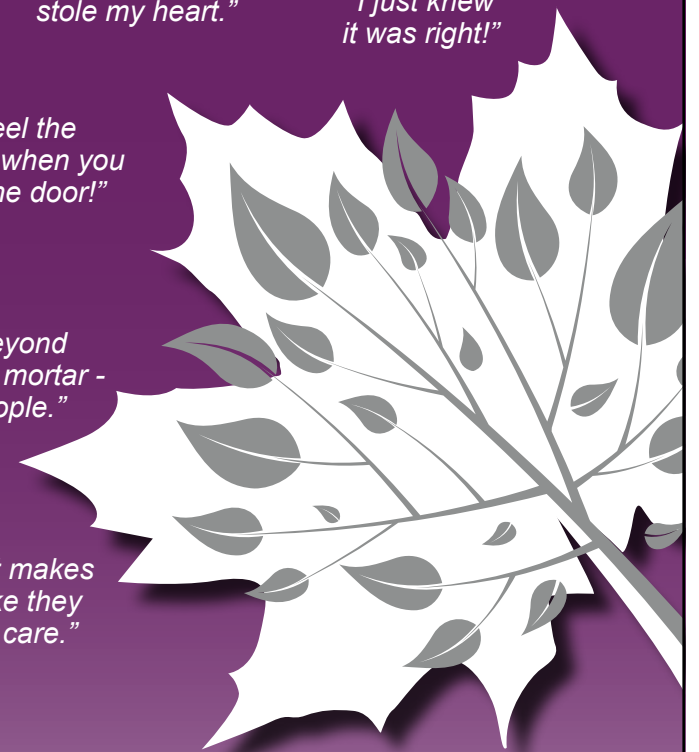
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## U-M Bentley Historical Library acquires Kevorkian papers, now open to the public

By Sydney Hawkins  
Michigan News

The University of Michigan Bentley Historical Library has acquired the papers of Dr. Jack Kevorkian, a controversial Detroit-area native best known for his advocacy of physician-assisted suicide and terminal patients' "right to die."

The collection, donated by Kevorkian's niece Ava Janus, comprises materials spanning 1911 to 2014.

"Long before Jack Kevorkian was known as 'Dr. Death,' he was a child of Armenian immigrants, a successful student, a graduate of the University of Michigan Medical School, a musician, composer and scientist," said Terrence McDonald, director of the Bentley Historical Library. "The release of his papers will allow scholars and students to understand the context of and driving forces in an interesting and provocative life."

In addition to correspondence, published works, manuscript drafts, photographs, court records, news coverage and interviews, the materials also contain files related to "medicide" — a term Kevorkian used to refer to the assisted suicides of more than 100 terminally ill people that he provided services to between 1990 and 1998.

The medicide files, which have been digitized and are now officially open to the public, consist of medical histories, photographs, and video and audio recordings of consultations with patients relating to many of the cases.

Olga Virakhovskaya, Bentley's lead archivist who processed the materials, recently presented to the Society of



COURTESY OF THE BENTLEY HISTORICAL LIBRARY

Dr. Jack Kevorkian's papers now are housed at the Bentley Historical Library.

**"Many of the medicide patients and their families — who remain very close to this day — are still advocates of their family member's choice to die, so anonymity was not an issue."**

— OLGA VIRAKHOVSKAYA

American Archivists about the ethical considerations and decision-making relative to providing access to this specific collection.

"Many of the medicide patients and their families — who remain very

close to this day — are still advocates of their family member's choice to die, so anonymity was not an issue," she said. "We felt very strongly that by not providing access to this collection and to the medicide files, we would be choosing to hide a very important story."

The video consultations contain conversations between Kevorkian and his patients in their respective homes or in hotel rooms. In many cases family members are also present in the recordings, where they discuss the history of their illnesses, their current quality of life and the reasons why they decided to end their lives. Often these conversations transformed into discussions about the terminally ill patient's right to have a choice in how they want to die, about religion, the existing legal system, politics, public discourse surrounding assisted suicide, and about Kevorkian's own legal troubles.

Perhaps the most intriguing part of the collection, according to Virakhovskaya, are the lesser known materials relating to Kevorkian's personal interests and pursuits, and historical documents and photographs from the Kevorkian family.

"He was a brilliant student who graduated high school early. He spoke several languages and he was very artistically gifted," she said. "Much of his 'dark' artwork that focuses on the subject of death can be found in these archives, along with recordings of his musical compositions."

Considered a radical even in his early days as a student at the U-M Medical School and later as a resident

after he graduated in 1952, he proposed giving prisoners condemned to death the option to undergo euthanasia in order to subject their bodies to medical experimentation and allow harvesting of their healthy organs.

After leaving U-M, Kevorkian kept a low profile as an artist and pathologist until the mid 80s, when he re-emerged again in support of giving death row inmates a choice to donate their bodies to medicine.

"This way I won't be dying in vain," reads one 1984 interview transcript from a death row inmate, found within a portion of the collection that also contains signed petitions from other supportive inmates.

In 1988, he took interest in the "death with dignity" cause, advertising for "bioethics and obituary" services in Detroit-area newspapers, and in 1990, he facilitated his first medicide. In the years following, he was acquitted in three physician-assisted suicide trials, including a fourth that ended in a mistrial. He was eventually convicted of second-degree murder in a fifth trial after personally administering a lethal injection and served eight years in prison.

Kevorkian died in 2011 at the age of 83, four years after being released from prison in exchange for agreeing to end his medicide practice.

The release of the collection comes at a significant turning point in the "death with dignity" debate. Recently, California became the fifth state to allow terminally ill patients to legally end their lives using doctor-prescribed drugs.

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## Two U-M centers collaborating to help struggling democracies

By Rachel Brichta  
International Institute

The Weiser Center for Europe and Eurasia and the William Davidson Institute are partnering to sponsor an NGO Leadership Bootcamp for leaders of 20 non-governmental organizations from countries that have recently undergone democratic transitions.

The training program aims to make civil society organizations more effective and sustainable.

The program will take place in Bratislava, Slovakia, Oct. 20-23. A Slovak-based NGO, the Pontis Foundation, is serving as the local implementation partner. This marks the inaugural program organized jointly by the Weiser Center and the WDI.

“Given that we are both focused on assisting and studying countries in transition, this is a natural partnership,” said Amy Gillett, vice president

### More online

■ **Weiser Center for Europe and Eurasia:** [ii.umich.edu/wcee](http://ii.umich.edu/wcee)

■ **William Davidson Institute:** [wdi.umich.edu](http://wdi.umich.edu)

of education at WDI. “This program offers training, free of charge, to a group that can make a huge impact in their societies.”

Gillett and Weiser Center Program Manager Marysia Ostafin will travel to Bratislava for the program. Ronald Weiser, founder of the Weiser Center and former U.S. ambassador to Slovakia, will serve as a guest speaker in the program.

“This is the next step for the Weiser Center for Emerging Democracies — helping NGOs to navigate the necessary tasks of accounting, publicity,

government relations and strategic planning,” said Anna Grzymala-Busse, academic program director of the Weiser Center, and the Ronald and Eileen Weiser Professor of European and Eurasian Studies. “We’re excited about this collaboration with the WDI, and with our international partner, the Pontis Foundation.”

The NGO Leadership Bootcamp builds the managerial capacity of leaders of non-governmental civil society organizations so citizens there can advance positive social and political change.

Over four days, participants will gain the tools needed to make their organizations more effective. Sessions will focus on advocacy and public policy building, management skills, marketing, resource mobilization and proposal writing.

The past 30 years have seen the collapse of regimes in Europe and

Eurasia, and the attempt to democratize these societies. Civil society organizations are critical to building better and more responsive democratic institutions.

Many NGOs are working across the region to advance and strengthen civil society. These organizations need to be strengthened in order to maximize their effectiveness and ensure their sustainability.

Participants will come from Albania, Belarus, Kazakhstan, Kosovo, Kyrgyzstan, Macedonia, Moldova, Russia, Serbia, Slovakia, Tunisia and Ukraine will represent NGOs that focus on democracy, human rights, economic development, youth, and civil society.

The NGO Leadership Bootcamp will be taught by global faculty, including WDI faculty affiliates, and will focus on building strong and sustainable organizations.

## U-M Health System projects to improve energy efficiency

By Mary Masson  
UMHS Department of Communication

A \$3 million project for new occupancy sensors and a \$1.3 million air handler upgrade project will improve energy efficiency at the U-M Health System’s University Hospital.

The two projects were approved Oct. 15 by the Board of Regents.

The \$3 million project for new occupancy sensors and controls is one of the health system’s largest

sustainability projects. The project calls for installation of sensors that will automatically reduce ventilation and lighting in specific areas that have no impact on patient care when they are unoccupied.

While the hospital is continuously operational, there are large areas that function only during normal business hours and are frequently unoccupied. The health system expects this energy conservation measure to result in cost

savings of at least \$500,000 per year.

This sensor system was fully implemented in C.S. Mott Children’s Hospital and Von Voigtlander Women’s Hospital, and piloted within the University Hospital building. Patients were unaware it was happening, officials report.

Funding for the project will be provided from U-M Hospitals and Health Centers resources. This project is expected to be completed in

summer 2016.

The \$1.3 million upgrade to two air-handling units servicing the surgical suite within University Hospital also is expected to provide energy efficiency with new variable speed fans and fresh-air controls, while also enhancing space ventilation and environmental control.

Funding will be provided from UMHC resources. The project is expected to be completed in fall 2016.



CO-SPONSORS: University of Michigan Law School; University of Michigan Ross School of Business; University of Michigan School of Engineering

# Interdisciplinary Approaches to Financial Stability

Thursday, October 22, 8 A.M.—5 P.M. Friday, October 23, 8 A.M.—4 P.M.

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### KEYNOTE SPEAKERS



#### Richard Berner

Office of Financial Research  
Thursday, October 22, 8:45–9:30 A.M.



#### Lawrence H. Summers

Harvard University, Former Secretary of the Treasury, in conversation with David Wessel, Brookings Institution  
Friday, October 23, 10:15–11:15 A.M.



#### Sir Paul Tucker

Harvard University  
Thursday, October 22, 4:00–5:00 P.M.



#### Andrew G. Haldane

Bank of England  
Friday, October 23, 12:45–2:00 P.M.

For more information, please contact [rickardj@umich.edu](mailto:rickardj@umich.edu) or visit [financelawpolicy.umich.edu/events/finstabconference/](http://financelawpolicy.umich.edu/events/finstabconference/)



## STAFF SPOTLIGHT



STEVE CULVER, THE UNIVERSITY RECORD

Beth Sandmaier, charge scenic artist at the Walgreen Drama Center, worked as a freelancer two summers ago on her biggest project — designing an original “Nutcracker” production for the Fort Wayne Ballet in Indiana.

## Scenic artist paints it up at Walgreen Drama Center

By Julia Lefond  
The University Record

Enter the Walgreen Drama Center’s scene and paint shop and Beth Sandmaier will greet you in paint-splattered jeans and a messy ponytail, paintbrush in hand.

On a recent Friday afternoon, white, monolithic walls are scattered about the warehouse-sized room as she flits around and puts finishing touches on pieces for “All My Sons,” which concluded Sunday.

Sandmaier is charge scenic artist at the Walgreen Drama Center. When the university produces a play or an opera, the director and designer articulate what they want the set to look like and she is one of the people responsible for physically creating it. She has been painting at the university for 10 years.

During the summer, when classes aren’t in session, Sandmaier freelances as a designer as well as a scenic artist. Two summers ago, she worked on her biggest project to date — designing an original “Nutcracker” production for the Fort Wayne Ballet in Indiana.

Her backdrops for “The Nutcracker” are beautifully painted pieces of muslin as wide as 46 feet. The company asked for a traditional interpretation — a fancy house, a snowy landscape and a candy wonderland — and the artist must balance his or her own touch with the demands of the designer.

She says she particularly enjoyed creating the illusion of depth in the snow scene, a drop she is particularly proud of, and she found humor in the candy details. “I just never thought I was going to paint big old ribbon candy for my work.”

### Meet Beth Sandmaier

- **Title:** Charge scenic artist at the Walgreen Drama Center.
- **At U-M:** 10 years.
- **Advice on creation:** “Theatre is important. Art is important. Ballet is important. Music is important. Make some art everybody — it’s important.”

“Just work hard, don’t be a jerk and paint well.”

— BETH SANDMAIER

Sandmaier says that, at the outset, she was terrified to design a project of that scale. Summer time constraints and limited labor exacerbated the pressure. However, she now hopes to take on more projects like it in the future. She plans to work as a scenic artist for the full span of her career.

For Sandmaier, who has a bachelor’s degree and a master’s degree in theater, painting always seemed a natural career path. She essentially was born into the job. Her father designed professionally at the Fort Wayne Civic Theater, and her mother directed a youth theater.

“It seemed like a natural thing,” she says of beginning to paint for her father as a young child. “Painting is in my blood.”

On the “Nutcracker” project, Sandmaier actually replaced some of the sets her father had painted years earlier. At the ages of 10 and 11, before recognizing her true calling did not lie in performance, Sandmaier actually performed in the company’s “Nutcracker” productions. “I was really lousy,” she jokes. “So they put me in the back.”

Sandmaier’s brother worked with her on the project as well. He is a technical director, who works with designers to determine placement and construction. She calls the two of them “co-set designers.”

She divides her free time between painting and spending time with her husband and 8-year-old son, Jonathan. The time is limited, but she says that when your job is your passion, long hours aren’t so bad.

The most rewarding part of her job is working with U-M students. She says they are the most amazing people she’s met, and the theater students in particular have “passion, drive and talent that I certainly didn’t have at their age. I don’t know how they do it.” She revels in the reward when students come in and don’t think they can paint — and then realize that they can.

For aspiring scenic artists, her advice is simple: “Put yourself out there and don’t be shy. Just work hard, don’t be a jerk and paint well. As with any art, you might have to suffer for a couple of years, live on ramen ... before you find steady employment, but it’s more than worth it.

“Theatre is important. Art is important. Ballet is important. Music is important. Make some art everybody — it’s important.”

## RESEARCH

# Socializing helps older adults modify verbal interactions

By Jared Wadley  
Michigan News

Despite the stereotype that older adults often ramble or talk off topic, seniors who enjoy socializing are able to adapt their conversations to a listener’s age, a University of Michigan researcher says.

Knowing what the listener will find relevant helps position a speaker as an attentive and sensitive conversational partner, says Deborah Keller-Cohen, professor of education, linguistics and women’s studies.

This is an important skill in many “life” situations, she says. For example, a senior who gives incomplete information or off-topic details to a doctor, rather than provide a succinct narrative about their health, may not receive the level of care needed.

Keller-Cohen analyzed whether older adults could modify their speech when speaking to a child or another adult. She also sought to address how seniors’ social network and living arrangements affect the way they speak to listeners of different ages.

A sample of 34 adults, whose ages ranged from 75 to 90, rated their social interactions, such as the frequency, satisfaction and number of people with whom they interacted. Study participants were asked to describe how to make a grilled cheese or egg salad sandwich to two fictive listeners: a 10-year-old boy and a 30-year-old adult. Their words and phrases were then analyzed.

Older adults provided more information and a more restricted range of words when talking to a child.

In contrast, when an adult was the listener, older adults often used a variety of different words in their explanations.

“This indicates they were sensitive to the diversity of vocabulary their listener was likely to possess,” Keller-Cohen said.

Older adults with more frequent social interactions also provided more information to the child, the study indicated.

The findings appear in the current issue of *Research on Aging*.



**Honorary, from Page 1**

Among the DIA's many significant accomplishments during his 16-year tenure were \$170 million in capital improvements and the reinstallation and reinterpretation of its collection, making the art accessible to more people and transforming the museum into a cultural nexus for southeast Michigan.

Born in Stratford-upon-Avon, England, Beal earned a Bachelor of Arts degree in English (1969) from the University of Manchester, England, and a Master of Arts in art history (1972) from London University's Courtauld Institute of Art. After commencing his museum career at Sheffield City Art Galleries, he moved to the United States in 1973.

He directed art galleries in Missouri, Minnesota and Norwich, England; served as chief curator at the San Francisco Museum of Modern Art from 1984-89; and directed the Joslyn Art Museum in Omaha, Nebraska, from 1989-96 and the Los Angeles County Museum of Art from 1996-99 prior to joining the DIA.

In a dramatic break with conventional museum exhibition practices, Beal has engaged traditional and non-traditional visitors in original and lively ways, opening new avenues of conversation for the public and in museum studies. He stabilized the DIA's long-term funding through a 2012 regional millage campaign, and built partnerships with foundations and government entities to protect the collection during Detroit's bankruptcy in 2013.

Beal has organized more than 40 exhibitions, many of which have toured nationally, and has published

many exhibition catalogs, books and articles. He has strengthened relationships with other institutions through loans and programming, resulting in such innovative exhibitions as "Through African Eyes" (2010), "Samurai: Beyond the Sword" (2013), and "Diego Rivera and Frida Kahlo in Detroit" (2015), among others.

A popular U-M guest lecturer, Beal has helped train a new generation of museum professionals by fostering experiential learning opportunities for students and faculty and mentoring many interns from U-M's Museum Studies and Arts of Citizenship programs. He has served on the Federal Advisory Committee on International Exhibitions and on the boards of the Association of Art Museum Directors, the American Alliance of Museums and the Cultural Alliance for Southeast Michigan.

Among other honors, he received the AAMD President's Award for service to the art museum field and the DIA, and the American Institute of Architects named him an honorary fellow. He and the DIA board of directors also are the first recipients of the AAM Chair's Leadership Award, which recognizes outstanding leadership and extraordinary accomplishments in the museum field.

**Cuatrecasas**, a biochemist and pharmaceutical executive, is one of the 20<sup>th</sup> century's pre-eminent life scientists and a renowned leader in the pharmaceutical industry and academe, including at U-M, where he co-chairs the Life Sciences Institute Scientific Advisory Board.

He developed affinity chromatography, a technique used in separating

and purifying complex mixtures for biochemical and medicinal purposes, and did seminal work on hormone receptors, enhancing understanding of cell growth regulation and hormonal regulation of physiological processes.

Born in Madrid, Cuatrecasas and his family fled to France and then South America during the Spanish Civil War. He immigrated to the United States in 1947 and became a citizen in 1956. He earned a Bachelor of Arts degree (1958) from Washington University, St. Louis, Missouri, and a Doctor of Medicine degree (1962) from Washington University School of Medicine.

He completed an internal medicine internship and residency at Johns Hopkins Hospital and conducted research at the National Institutes of Health in Bethesda, Maryland, where he developed affinity chromatography, for which he and Meir Wilchek received the Wolf Prize in Medicine in 1987.

As a professor of pharmacology and internal medicine at the Johns Hopkins University School of Medicine from 1970-75, he did pioneering studies on the insulin receptor, which provided the framework for research in cancer biology, endocrinology and neurobiology.

Cuatrecasas served as vice president of research and development at Burroughs Wellcome Co. from 1975-86, senior vice president of research and development and director of Glaxo Inc. from 1986-89, vice president of Warner-Lambert Co., and president of the Pharmaceutical Research Division of Parke-Davis Co. from 1989-97. He currently is an adjunct professor of pharmacology and medicine at the

University of California, San Diego School of Medicine.

Cuatrecasas played a crucial role in the discovery, development and regulatory approval of more than 40 medicines to treat Alzheimer's disease, bacterial infections, cancer, depression, diabetes mellitus, dyslipidemia and HIV/AIDS. He holds seven patents and has authored more than 400 publications.

While at Parke-Davis, he served as an adjunct professor at U-M and encouraged collaboration between other Parke-Davis and U-M scientists. He also created Michigan's first Parke-Davis/Warner Lambert Professorships and supported the University Musical Society.

He helped found and served as board chair of the Keystone Symposia on Molecular and Cellular Biology, a model for other scientific colloquia. Among many honors, he has been elected to the American Academy of Arts and Sciences, American Society of Clinical Investigation, Institute of Medicine, National Academy of Sciences, and is a Royal Society of Medicine fellow.

He received the John Jacob Abel Award in Pharmacology, Goodman and Gilman Award in Receptor Pharmacology, Washington University School of Medicine Alumni Achievement Award, the Johns Hopkins University Distinguished Alumnus Award, City of Medicine Award and North Carolina Governor's Medal Award in Science.

**Minow**, is an accomplished scholar,

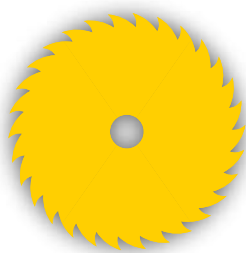
See Honorary, Page 15

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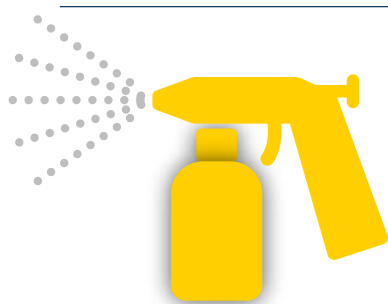
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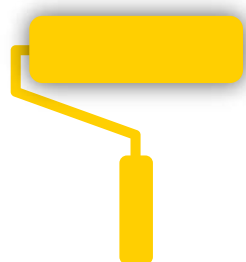
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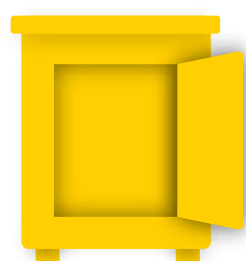
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**Honorary, from Page 14**

academic leader and advocate for equity in education for all, regardless of race, ethnicity, gender, sexual orientation or physical ability.

She was born in Highland Park, Illinois and grew up in Chicago and Washington, D.C. She earned a Bachelor of Arts degree (1975) with honors at U-M, a Master of Education degree (1976) from Harvard Graduate School of Education and a Juris Doctor (1979) from Yale Law School.

Minow clerked for Judge David Bazelon of the U.S. Court of Appeals for the D.C. Circuit and Justice Thurgood Marshall of the U.S. Supreme Court before joining the Harvard Law School faculty in 1981. She has served as dean since 2009.

Early in her career she defined the concept of “difference” as something constructed in and through social relations, which has dramatic implications for education scholarship and practice. She identified assumptions about difference, illuminating how “difference” too often becomes “deficit” in educational settings.

Minow is the author of many scholarly articles in journals of law, history and philosophy. Her most recent book, “In Brown’s Wake: Legacies of America’s Education Landmark” (2010), clarifies how the 1954 Brown v. Board of Education decision has influenced education policy worldwide.

She also wrote “Making All the Difference: Inclusion, Exclusion, and American Law” (1990), “Not Only for Myself: Identity, Politics, and Law” (1997), “Between Vengeance and Forgiveness: Facing History After Genocide and Mass Violence”

(1998), and “Partners, Not Rivals: Privatization and the Public Good” (2002), and co-edited seven other books, two law casebooks and a reader.

A gifted teacher, she has taught courses in civil procedure, constitutional law, family law, international criminal justice, jurisprudence and law and education, among others, and was recognized with Harvard’s Sachs-Freund Teaching Award in 2005. She has delivered more than 70 lectures and keynote addresses and has taken on many roles beyond the academy.

Minow collaborated with the U.S. Department of Education and the Center for Applied Special Technology on legislative initiatives and a voluntary national standard to improve access to curricular materials for individuals with disabilities. She also served on the Independent International Commission on Kosovo and worked with the United Nations High Commissioner for Refugees to promote peaceful development in post-conflict societies. She is vice chair of the Legal Services Corp., which provides civil legal assistance to low-income Americans, and serves on the MacArthur Foundation board.

Minow is a fellow of the American Academy of Arts and Sciences, American Bar Foundation and American Philosophical Society. Among other accolades, she has received the Holocaust Center Award, Gold Medal for Outstanding Contribution to Public Discourse from The College Historical Society of Trinity College, Dublin, and seven honorary degrees.

Shirley is the Joseph Edgar Maddy Distinguished University Professor Emeritus of Music at the School of Music, Theatre & Dance and a 2014 National Medal of Arts recipient. He is an acclaimed operatic tenor, educator and champion of diversity in the performing arts.

Shirley was born in Indianapolis and grew up in Detroit. After earning a Bachelor of Science in Music Education degree (1955) from Wayne University (now Wayne State University), he became Detroit’s first African-American high school music teacher. He also was the first African American to sing in the U.S. Army Chorus.

Shirley made his professional debut in Woodstock, New York, in 1959 as Eisentein in Johann Strauss’ “Die Fledermaus.” A year later he won the American Opera Auditions and was offered the Rodolfo role in Giacomo Puccini’s “La Bohème.” He won the Metropolitan Opera National Council Auditions competition and became the first African-American tenor to sing a leading role at the Metropolitan Opera, where he captivated audiences for 11 seasons.

He has performed more than 80 operatic roles in leading opera houses, including the Deutsche Oper in Berlin, Netherlands Opera in Amsterdam, New York City Opera, Opéra de Monte-Carlo, Royal Opera in London, Scottish Opera and Teatro Colón in Buenos Aires. Additionally, he has sung with the world’s great orchestras, including the Boston, Chicago, Detroit and London symphonies, and New York Philharmonic, and has

appeared at the Aspen, Edinburgh, Glyndebourne, Santa Fe and Spoleto festivals.

A recording artist for major labels, he received a Grammy Award in 1968 for his role as Ferrando in the RCA recording of Wolfgang Amadeus Mozart’s “Così fan tutte.” He produced the “Classical Music and the Afro-American” series for WQXR-FM radio in New York, and hosted “Unheard, Unsung,” a four-program series on WETA-FM radio in Washington, D.C.

Admired for his dedication to pedagogy as well as his vocal talent, Shirley taught six years at the University of Maryland before joining the Michigan faculty in 1987, where he directed the Vocal Arts Division.

Since retiring in 2007, Shirley has maintained a studio in the music school and remains deeply committed to young people. The George Shirley Voice Scholarship was established in his honor in 2008, and the nonprofit Videmus offers a \$5,000 prize to the winner of the annual George Shirley African American Art Song and Operatic Aria Competition.

He has been recognized with the Dr. Charles H. Wright Legacy Award for Excellence in Fine Arts, U-M School of Music Alumni Citation of Merit (now called School of Music, Theatre & Dance Hall of Fame Award), National Association for the Study and Performance of African American Music Trail Blazer Award, and the Career Achievement Award in the Field of Music from Wayne State University’s College of Fine, Performing, and Communication Arts.

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## Antarctica, from Page 1

"I love it so much. Everything makes me go, 'Wow!'" says Sarah Aciego, assistant professor of earth and environmental sciences, LSA, and assistant professor of climate and space sciences and engineering, College of Engineering.

In November, she and Sarah Aarons, a Ph.D. student and research assistant in earth and environmental sciences, will continue the work they started in late fall 2013: Collecting glacial ice core samples from thousands of years past and comparing them to better understand climate change today.

They will return to Taylor Glacier, roughly 2,500 miles south of New Zealand, to collect vastly older ice samples from a different location on the glacier, and from a different glacial period, than they did two years ago. They leave Oct. 31 during Antarctic spring and return to Ann Arbor for Thanksgiving.

Aciego is on her fourth research trip to Antarctica. This is Aarons' second trip. "I think this time I am a little less scared because I know what to expect, I know how cold it will be (as low as minus 20 Fahrenheit) and how windy," she says.

### Getting there

"The longest plane flight in the world" is how the pilot last time described the flight from Detroit to Sydney, Australia (15 1/2 hours). A second flight to Christchurch, New Zealand (four hours) follows. "They put you up in hotel," Aarons says. "You try on your polar gear," — red parkas as warm as sleeping bags, with National Science Foundation logo patches.

"That's when it really hit me," she says.

The next phase of the trip takes five to eight hours. This depends on the available airplane to fly to the main U.S. base in Antarctica, McMurdo Station. It is on Ross Island, 850 miles from the South Pole. Joining them in 2013 was Carli Arendt, a U-M Ph.D. candidate in earth and environmental sciences. She earned her degree in May.

The plane bound for McMurdo has bench seats, and skis for landing. "When someone said you can see Antarctica and mountains and stuff, several people ran over to the window. You could see sea ice. It's crazy to see the expanse of whiteness with land poking though here and there. I got really excited," Aarons says.

Upon landing, it was 10 degrees and



SARAH ACIEGO

Graduate student researcher Sarah Aarons relaxes in the cook tent on Taylor Glacier, where calorie-rich meals are cooked to maintain researchers' energy in the Antarctic cold.

dry. "I'm from Alaska and used to cold temperatures, but it was bone chilling and a bit of a shock to the lungs," Aarons says. Ross Island also is home to an active, smoking volcano.

Those arriving at McMurdo Station must join other researchers for survival training. They build igloos to sleep in, learn to set up tents and use tiny stoves to cook dinner. "They give you Army rations you mix with water," Aarons says.

Some 1,000 people are at McMurdo in November and December. There is a large cafeteria, and rooms like dorms. "It kind of kind of felt like college with a bunch of adults," Aarons says.

The base also has a cafeteria, a traditional bar and a coffee bar. There are seals, and Adelie and Emperor penguins close to the base. People are not allowed to interact with penguins. "The smaller Adelie penguins are curious. They try to figure out what you're doing," Aciego says.

Researchers also perform a white-out exercise. They put white buckets over their heads, are told to leave the building, and try to return. They also learn to use a CB radio, as there is no Internet connection on the glacier.

It's a 45-minute ride by helicopter from McMurdo to Taylor Glacier. After arriving with their drill technician, Aciego and Aarons will set up yellow and grey tents and prepare to

When setting up tents, stakes must be driven deep into the ice because the wind is ferocious. "We have had stakes break because of the wind," Aciego says.

### Good morning Antarctica

A normal day opens with lighting the propane stove to melt ice for water. "It's so pure that we have to make sure that we increase the electrolytes we consume. Everything gets more salt in it than normal," Aciego says. Two to three hours daily is spent melting ice for water.

"We're eating or drinking hot drinks all day long," Aciego says. Hot chocolate is popular, and so is hot Tang. "Purple Gatorade hot is not good, teas are," she says. Coffee is avoided as it's a diuretic, causing the drinker to take bathroom breaks.

The researchers also are constantly eating. One easily burns 7,000-8,000 calories daily operating the drill and carrying core samples. "Fifty to 60 percent of our time is spent on survival. You're always talking or thinking about your next meal," Aciego says.

Morning pancakes get lots of butter, and toppings ranging from Nutella to maple syrup to honey. For variety, they'll go with chile rellenos in the morning. Lunch is usually eaten out of their parka pockets — crackers, granola bars or Clif Bars — and soup from a Thermos. "We eat a lot of soup. It's an easy way to get electrolytes back," Aciego says. For dinner, steak fried in butter with chilies works, and so does halibut with mashed potatoes and more butter.

The main focus of each day is drilling. Drills and drillers are supplied by Ice Drilling Design and Operations, an organization created by the NSF. Both researchers can run the drill. The hired driller sets up the drill and troubleshoots because things often go wrong due to weather conditions.

Sometimes, the drill has to be taken apart and the head replaced. This can happen under steady 50 mph winds. They typically work 12 hours daily, six days per week. "It's the most tired I've ever been," Aarons says.

In case of emergency, help can come from any of the area crews in the region, no matter what country. "It's the way things go when you're down there," Aciego says.

Researchers are required to check in daily with McMurdo base via

### More online

■ Follow their trip blog at: [giglinthefield.wordpress.com](http://giglinthefield.wordpress.com)

begin the work of drilling and collecting core samples.

### Life on a glacier

"The first time you get here you can't even believe it. It's just so different. The ice is really, really hard deep blue. And they have these sun cups, maybe 6 to 8 inches in diameter, basically divots in the ice. It's just incredibly beautiful," Aciego says.

On Taylor Glacier, you can spot a "sundog" — the name for rainbows of ice crystals that circle the sun. It's where silence is broken only by the whooshing of wind gusts that reach 80 mph or more, or the sound of helicopters or machinery.

Sometimes one spots stripes in the glacier. This suggests a volcanic ash layer got stuck in the ice and is now exposed. The stripes range in color from black to purple.

Because there are no trees, Aciego says, the sense of scale is unusual. "You'll be looking out across the glacier and see a rock and think it's a boulder — and you get there and see it's the size of three houses."

See Antarctica, Page 17



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Antarctica, from Page 16

walkie-talkie-like Iridium phones. They also call in resupply needs. Satellite phones allow the researchers to call home from the glacier every few days or so.

Because it is close to sea level, Taylor Glacier is relatively warmer than further inland, where the ice sheet is 2 miles high.

“There were times when it was probably in the 30s. The sun is hitting the ice and reflecting back at you,” Aarons says. She once “put a ton of sunscreen on” and hiked more than two miles. “You could walk with a T-shirt,” she says.

**The research**

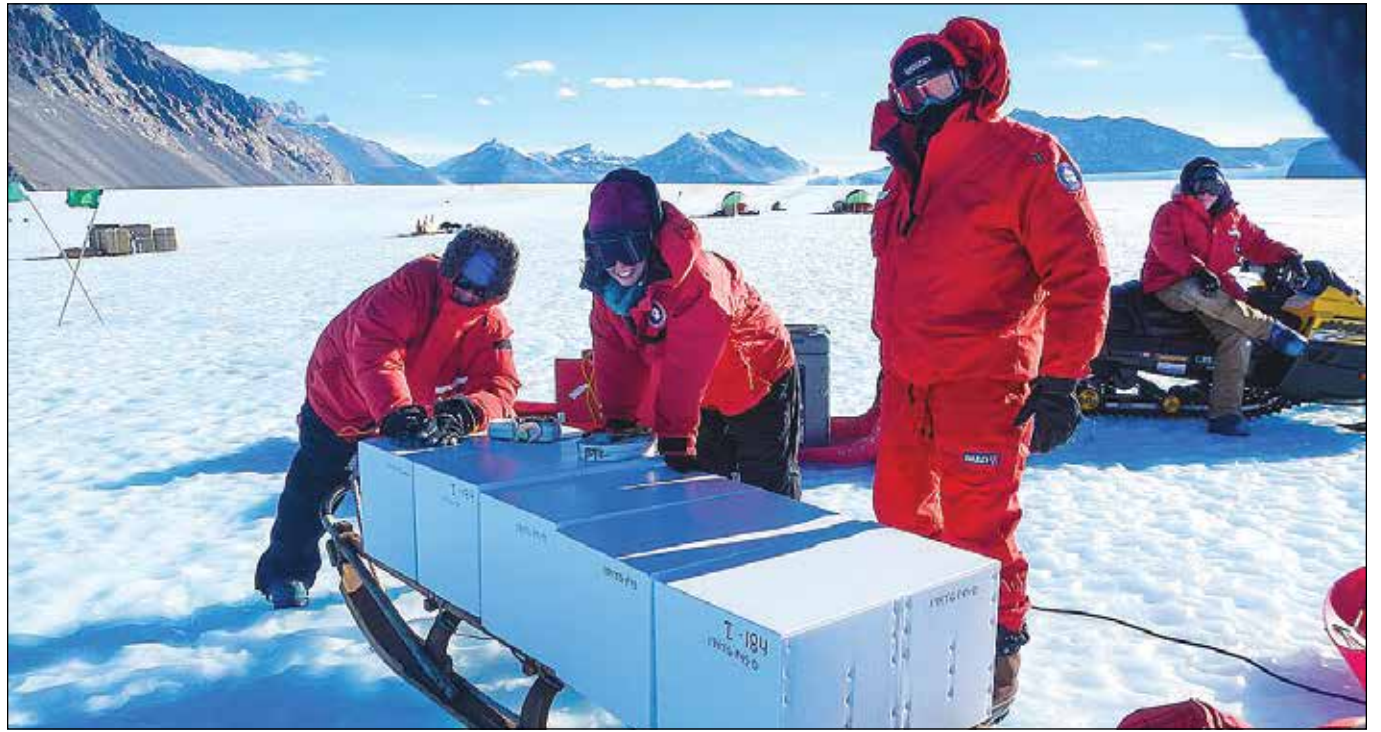
“We are studying the dust particles trapped within the ice,” Aciego says.

Dust, or airborne mineral particles picked up by wind from places including the Sahara Desert or the Pampas of South America, are suspended in the atmosphere and can travel long distances in the upper troposphere. They eventually land in ice sheets, glaciers, oceans and terrestrial biospheres, she explains.

“The dust in ice can tell us a lot of information about the climate during its depositional period,” Aciego says.

For example, dust concentration is inversely proportional to temperature. This means that during colder periods (such as the Last Glacial Maximum), the dust concentration in the atmosphere was higher. This is due to windier conditions and more exposed continental shelves and lakebeds.

“We can look at the dust concentration in ice core records, and infer whether the climate it was deposited in



CARLI ARENDT

Standing near ice core boxes loaded onto a sled are Sarah Aciego, Sarah Aarons and Luca Lanci, a researcher at the University of Urbino, Italy.

was a glacial or interglacial (warmer, like today) time period,” she says.

The purpose of this upcoming trip, Aarons adds, is to collect ice from a part of the glacier formed during the Eemian period (130,000-115,000 years ago), the last interglacial period — and compare it to ice formed in the current interglacial period, the Holocene. It ranges from about 11,700 years ago to today.

Aciego and Aarons collected samples in 2013 from 55,000 years ago to the present day, a period that covered the transition from the last glacial period to the current

interglacial period.

“The overarching purpose of this field work is to investigate how local climate changes with retreats in sea ice and ice shelf extent, so that this information can be extended towards predicting changes in local climate in polar coastal regions,” Aarons says.

As with the samples collected two years ago, ice cores bundled and suspended below the helicopter will be flown to McMurdo Station, before they are loaded on a container ship bound for Alameda, California. They are constantly kept at minus 20 degrees Celsius or colder.

A freezer truck will bring the 10 new ice core samples to Michigan, and ultimately to the fourth floor of the C.C. Little Building. They will join earlier samples, kept in two freezers.

In June at C.C. Little, Aarons began the process of analyzing the core contents through a process where acid dissolves the dust collected from a melted core sample and the various elements are separated.

“It’s knowledge that could benefit future populations, and better inform them about the changes they’ll experience in their own climate change periods,” Aciego says.

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# University entering final phase of project to end SiteMaker use

By Rita Girardi  
Information and Technology Services

Information and Technology Services launched the SiteMaker Transition Project in January 2014 and, since then, has been moving, archiving and deleting SiteMaker sites in anticipation of decommissioning the Web hosting service at the end of 2015.

"About two years ago, we examined our service portfolio to identify offerings that were nearing end-of-life," explains Sean DeMonner, executive director of Teaching and Learning for ITS.

"By transitioning from SiteMaker to more advanced, robust Web hosting

technologies, we will be able to better meet the changing needs of the university, reduce costs and advance U-M's teaching, learning and research activities."

ITS proposed a two-year project to phase out SiteMaker, a move that was supported by university leadership and IT governance, and is guided by a steering committee made up of a broad cross-section of the campus community.

The project is now in its final phase. On Oct. 30, all remaining SiteMaker sites will be taken offline, and ITS will decommission SiteMaker on Nov. 30.

Since the project launch, ITS

outreach efforts have included the creation of a comprehensive project site with detailed support documentation, multiple direct messages to SiteMaker site owners and administrators, regular updates to campus IT staff, notices on select U-M websites, and articles in various campus publications.

Thus far, the project team has completed almost 900 site-deletion and archive requests, performed more than 150 consultations, and assisted in approximately 100 site transitions to alternate services.

The U-M Library, Medical School Information Services, and LSA have provided significant additional

support to the project by helping their users move their sites to other services.

"SiteMaker was cutting-edge technology when it was created in 1998, and it served us well over the years," says DeMonner. "But maintaining this legacy system posed potential performance, security and opportunity risks. Retiring SiteMaker supports the mission of the university by allowing us to focus resources on areas that will help build U-M's future learning environment."

Visit the SiteMaker Transition Project website for more information: [it.umich.edu/projects/sitemaker/](http://it.umich.edu/projects/sitemaker/).

## Brew, from Page 1

"At a large institution like Michigan with so many distinct programs of excellence, it's not uncommon for disciplinary islands to form," said Oscar Ybarra, director of Innovate Blue, U-M's campuswide innovation and entrepreneurship initiative. "Innovate Brew is like a bridge between these islands."

By creating opportunities for informal encounters with faculty outside their own fields, the program builds on the idea that such random pairings can not only create new connections, but also spark innovation and new research directions. The theory behind this practice is based on innovation as a social, not individual, phenomenon.

The approach was born of an experiment initiated by business professor Bill Lovejoy, when he emailed fellow U-M faculty he didn't know and invited them out for coffee.

"Why would a business school professor talk to a classics professor, or an economist speak to an art historian? Because that is how innovation really happens," said Lovejoy, the Raymond T. J. Perring Family Professor of Business Administration, professor of technology and operations, and art and design.

"If everyone at the University of Michigan had a random coffee once a month, within a year we'd have a more innovative organization."

"Innovate Brew has reminded me how important it is to stay open-minded."

— DR. THOMAS GARDNER

Vlahopoulos, the engineering professor, was matched with five other faculty, but only met with three. The meeting with Segar was the only one that might lead to a research project, but he doesn't view the others as a waste of time.

"It's an opportunity to interact with colleagues, find out what they do and get the bigger picture of the richness of our university," Vlahopoulos said.

Other interesting pairings and outcomes include:

- A business strategy professor and a professor of mechanical engineering found they were working on common initiatives such as clean technology in China and smart mobility in the auto industry.

- A faculty member in pediatric endocrinology studying obesity matched with a senior faculty in the anthropology department studying the developmental effects of high blood pressure and low birth weight in Mali. They ended up submitting a joint proposal to extend some of the endocrinologist's work to this population in Africa.

- An ophthalmology professor met with an electrical engineering and computer systems professor and found a common interest in artificial vision.

Dr. Thomas Gardner, a Kellogg

Eye Center ophthalmologist whose research focuses on diabetes retinopathy, said it's too early to know the outcomes.

"If it doesn't lead to a project, that's OK," he said. "One has to enjoy the social interaction and being part of the Michigan community."

Lovejoy said that one of the preconceptions the program has to fight is that any one connection is going to be productive immediately for research.

"There are some scholars who see every research interaction through the lens of, 'Can I write a grant for this?'" Lovejoy said. "If not, it's not worth their time."

But he would suggest the skeptics try a random coffee meeting at least once before deciding if it's worthwhile.

"Innovate Brew has reminded me how important it is to stay open-minded," Gardner said. "The investment is low, the coffee's good here in Ann Arbor and taking time to meet people who know things you don't is the most important thing you'll do all day."

Anita Gonzalez, professor of theatre and drama, recently met Carlos Mendes de Leon, professor of epidemiology, and said the experience confirms her view that U-M is more interdisciplinary than any place at which she's taught.

"I've learned about the amazing things we do at Michigan. I've met people who study airplanes and document oral histories of various communities," she said. "The cool thing about Michigan is everyone wants to fix the world, but in an idiosyncratic way."

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## POLICE BEAT

### Ann Arbor cases reported to SAPAC in September

Crime	Cases
Sexual Assault	5
Intimate Partner Violence	2
Stalking	2
Sexual Harassment	6

The Sexual Assault Prevention and Awareness Center supplies reports to inform the University community about incidents of sexual assault, domestic violence and stalking that are reported to SAPAC. SAPAC is a resource for survivors, their families and friends, U-M personnel (faculty, staff and U-M Police officials), and non-U-M personnel (e.g., high school counselors).

The table reflects only the number of cases reported to SAPAC, and includes reporting by faculty, staff and students. The numbers do not necessarily reflect the number of incidents on campus, nor do they reflect the number of cases that occurred in a specific time frame. They also do not reflect the number of cases that may have been reported to police.

### Ann Arbor campus crimes reported to UMPD in September

Federal Uniform Crime Reporting Category	Sept. Total	YTD Total
Attempted Burglary	0	1
Burglary	4	23
Sexual Offenses Forcible <sup>1</sup>	1	33
Sexual Offenses Nonforcible <sup>2</sup>	0	0
Aggravated Assault	1	14
Attempted Robbery	0	1
Robbery	0	6
Motor Vehicle Theft	1	16
Attempted Homicide	0	0
Murder	0	0
Arson	0	8

<sup>1</sup> Sexual Offenses Forcible: Any sexual act against another person, forcibly and/or against that person's will, or not forcibly or against the person's will where the victim is incapable of giving consent. Includes forcible rape, forcible sodomy, sexual assault with an object, forcible fondling.

<sup>2</sup> Sexual Offenses Nonforcible: Unlawful, nonforcible sexual intercourse. Includes incest and statutory rape.

For questions about crimes on campus, call 734-763-3434.

To report a crime, call police, 734-763-1131.

By Diane Brown  
U-M Police

### Subject arrested in burglaries of leased space

A 21-year-old man was arrested on burglary charges in connection with several burglaries of U-M leased space in the McKinley Towne Center building on Washington Street between Sept. 18 and 22. Food items were taken and computers were accessed during the burglaries. The suspect was charged with four counts of breaking and entering and one count of unauthorized computer usage. He remains in jail.

### Sexual assault reported by patient

A patient reported that he had been inappropriately touched by a staff member at University Hospital on two occasions in mid-September. The investigation is pending.

### Subject intentionally struck by vehicle

A subject told University Police Sept. 4 that he had been intentionally struck Sept. 2 by a vehicle while riding his skateboard along Huron Parkway. The man reported that around 6:45

p.m., he was approached from behind by a white Ford van. The driver yelled at the man before swerving into the victim and knocking him to the ground. The victim sustained minor injuries.

### Moped stolen from outside North Quad

A moped reportedly was stolen from a bike rack outside North Quad between 11:30 p.m. Sept. 9 and 7:45 a.m. Sept. 10. The moped had not been locked to the rack. There are no suspects.

### Window screen cut at Baits

An exterior window screen was found cut at a Baits II building on Hubbard Road Sept. 23. Entry to the building was not gained and nothing was taken. There are no suspects.

### Join the Purple Run to confront domestic violence

The University of Michigan Police Department in conjunction with the Washtenaw County Prosecutor's Office will hold the first annual Purple Run in Ann Arbor at 9 a.m. Oct. 24 at Pierpont Commons on U-M North Campus (2101 Bonisteel).

The goal of this 5K run/walk is to both raise awareness for domestic violence and to fundraise for the SafeHouse Center, a local organization that works with survivors of intimate partner violence and sexual assault.

Every 60 seconds, 20 people are victims of intimate violence and every year an average of 54 officers are killed in the line of duty responding to domestic calls.

"We're pleased to be able to collaborate with our community partners to help raise awareness of this difficult topic," said U-M Police Chief Robert Neumann.

"The UMPD Special Victims Unit not only is dedicated to helping solve intimate partner crimes, but also to helping our community learn more about these crimes and how all of us can take action. I invite our community to help us raise funds to help those who are surviving these crimes."

Register online or sign up at the event and help raise awareness while also helping strengthen community resources for the local Ann Arbor and greater Washtenaw area.

The cost is \$30 or \$20 for students. For more information, visit: [purplerunannarbor.org](http://purplerunannarbor.org).

### Ann Arbor campus crimes reported to UMPD in September

**1** Criminal Sexual Conduct - 4th Degree  
Sept. 17, 2015  
1500 E. Medical Ctr.  
University Hospital

**2** Burglary  
Sept. 20, 2015  
500 E. Washington  
McKinley Towne Ctr.

**3** Burglary  
Sept. 22, 2015  
500 E. Washington  
McKinley Towne Ctr.

**4** Burglary  
Sept. 22, 2015  
500 E. Washington  
McKinley Towne Ctr.

**5** Motor Vehicle Theft  
Sept. 10, 2015  
100 blk. S. State St.  
North Quadrangle

**Off Map:**

**Aggravated Assault**  
Sept. 4, 2015  
1600 blk. Huron Pkwy.  
NCRC

**Burglary**  
Sept. 23, 2015  
2301 Hubbard  
Baits - Parker House

Crime map incidents are an accurate indicator of criminal activity on the U-M campus; however, some incidents may be under investigation to substantiate their occurrence. Statistics for the crime map are provided by U-M Police. The markers on the crime map represent only reports of on-campus incidents in the areas featured on the maps.

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## REGENTS ROUNDUP

**By Anthony Guarneri**  
Facilities and Operations  
**and Kevin Brown**  
The University Record

### Improvements at Lay Auto Lab

A \$2.9 million project is planned for an interior renewal of approximately 16,000 gross square feet of space within the Walter E. Lay Automotive Engineering Laboratory. The project will update infrastructure including electrical, plumbing, heating, ventilation, and wired and wireless data systems; upgrade the fire alarm system; and renovate public spaces, restrooms, corridors and offices. The College of Engineering will fund the project. Construction is scheduled to be completed in the fall of 2017.

### New ambulatory care unit planned for Taubman Health Care Center

Approximately 2,700 gross square feet on Level 1 of the A. Alfred Taubman Health Care Center will be renovated to create a new ambulatory testing and treatment unit for Ambulatory Care Services. The renovation will allow for an innovative approach to provide efficient and expedient services for established patients needing more intensive evaluation and treatment to manage chronic conditions. U-M Hospitals and Health Centers resources will fund the \$1.82 million project that is scheduled to be completed next spring.

### University Hospital South air handlers to be upgraded

The air handling equipment serving the University Hospital South complex will be reconditioned to improve environmental control, reliability, and energy efficiency. The \$2.3 million project will be funded by UMHHC, with work scheduled to be completed in the fall of 2016.

### New golf course clubhouse receives final approval

The Board of Regents authorized issuing bids and awarding construction contracts for the Richard L. Postma Family Clubhouse at the U-M Golf Course. The new clubhouse will replace the existing facility with a 23,000-gross-square-foot structure on the same site that will optimize operational functions, increase energy efficiency, and include modern and spacious banquet facilities for the use of the entire university community. The \$15 million project is being

funded by the athletic department and gifts, and is scheduled to be completed in the spring of 2017.

### Chiller to be replaced

A steam absorption chiller at the East University Chiller Plant, which serves chilled water to several Central Campus buildings, has failed and will be replaced with an electric chiller that is expected to provide approximately \$300,000 in annual energy savings, reduced operational and maintenance costs, and increased reliability. The project is estimated to cost \$1.5 million, to be funded from general fund resources, and is scheduled to be completed in the fall of 2016.

### U-M to sell property on Fuller Road

The university will sell 2.03 acres of land on Fuller Road to the federal government for \$54,000 to accommodate the expansion of the U.S. Department of Veterans Affairs Ann Arbor Medical Center parking structure.

### Ann Arbor Campus

#### Faculty appointments and promotions with tenure

**Johannes Muhle-Karbe**, associate professor of mathematics, LSA, effective Jan. 1.

#### Named professorships

\* **Dr. Sami J. Barmada**, Angela Dobson Welch and Lyndon Welch Research Professor, Medical School, effective Oct. 1, 2015-Aug. 31, 2020.

\* **Steven L. Ceccio**, ABS Professor of Marine and Offshore Design Performance, College of Engineering, effective Oct. 1, 2015-Sept. 30, 2020.

\* **Alec D. Gallimore**, Richard F. and Eleanor A. Townner Professor of Engineering, CoE, effective Oct. 1, 2015-Sept. 30, 2020.

\* **Kim F. Hayes**, Arthur J. Decker Collegiate Professor of Civil and Environmental Engineering, CoE, effective Oct. 1, 2015-Sept. 30, 2020.

**Dr. Rajesh S. Mangrulkar**, Marguerite S. Roll Professor of Medical Education, Medical School, effective Oct. 1, 2015-Aug. 31, 2020.

**Eric Michielssen**, Louise Ganiard Johnson Professor of Engineering, CoE, effective Oct. 1, 2015-Sept. 30, 2020.

**Dr. Jack M. Parent**, William J. Herdman Professor of Neurology, Medical School, effective Oct. 1, 2015-Aug. 31, 2020.

**Joshua Spitz**, Norman M. Leff Assistant Professor of Physics, LSA, effective Sept. 1, 2015-Aug. 31, 2020.

**Jing Sun**, Michael G. Parsons Collegiate Professor of Naval Architecture and Marine Engineering, CoE, effective Oct. 1, 2015- Sept. 30, 2020.

**Michael Thouless**, Janine Johnson Weins Professor of Engineering, CoE, effective Oct. 1, 2015-Sept. 30, 2020.

**Pascal Van Hentenryck**, Seth Bonder Collegiate Professor of Industrial and Operations Engineering, CoE, effective Oct. 1, 2015-Sept. 30, 2020.

#### Administrative appointments

**Lisa K. Low**, change in title to associate dean for practice and professional graduate studies, School of Nursing, effective Sept. 1, 2015-June 30, 2018.

**Daryl C. Weinert**, change in title to associate vice president for research-business operations, Office of Research, effective Nov. 1, 2015.

#### Flint campus

**Barbara Avery**, vice chancellor for campus inclusion and student life, Office of the Chancellor, UM-Flint, effective Nov. 1.

\* Reappointments

#### Retirements

**John A. Garcia**, research professor in the Inter-University Consortium for Political and Social Research, Institute for Social Research, effective Oct. 7. He joined U-M in 1979 and ultimately served as interim director of the ICPSR's Summer Program in Quantitative Methods of Social Research (2013-14). Garcia is a leading scholar of race, ethnicity and the Latino community in American political behavior. His influential role in the development of key datasets, including the Latino National Political Survey, the Latino National Survey and the National Chicano Survey, established him as a central figure in research on Latino ethnic identity. His honors have included a Presidential Achievement Award from the League of United Latin American Citizens and the Frank Goodnow Award from the American Political Science Association. The ICPSR established the John A. Garcia Scholarship in his honor to help minority students attend its summer program.

### A student-community art exhibit at Matthaei Botanical Gardens

#### Discover, Connect, Create



An exhibition of art created by U-M Geriatrics Mild Memory Loss program Silver Club members and U-M students as part of Memory, Aging & Expressive Arts, a community engagement course offered through U-M Stamps School of Art & Design.

Oct. 23-Nov. 22 (daily),  
Matthaei, 1800 N. Dixboro  
Ann Arbor. Free admission.

To read more about the class visit [retainingidentity.com](http://retainingidentity.com). Sponsored by Penny W. Stamps School of Art & Design; Michigan Alzheimer's Disease Center; U-M Geriatrics Center; and U-M Matthaei Botanical Gardens & Nichols Arboretum.

#### Plus...

**Plastics! Ecosystem Health & Plastic Debris in Our Great Lakes**  
U-M Assistant Research Scientist Melissa Duhaime discusses a cross-disciplinary approach to study the holistic ecosystem impact of plastic debris on the Laurentian Great Lakes, to inform policy and management. Sponsored by Sierra Club Huron Valley.

Tuesday, October 20, 7:30 pm, Matthaei. Free.

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## EVENTS

## MONDAY, OCT. 19

**Careers in Publishing** for Ph.D.s Online Panel Discussion, all day. Go to [careercenter.umich.edu/resource/595](http://careercenter.umich.edu/resource/595).

**"The Decline of the Ottoman Empire: The Balfour Declaration and the Arab Revolt of 1916,"** 10 a.m.-noon, Jewish Community Center, 2935 Birch Hollow Drive. For more information on this Osher Lifelong Learning Institute class for ages 50-plus, go to [olli-umich.org](http://olli-umich.org).

**Apple in Medicine seminar,** noon-1 p.m., Medical Science Unit II, South Lecture Hall, Room 3699, for faculty, staff and students from the Medical School and other Health Sciences schools to discover how classroom and clinical experience change with mobile access to information. RSVP: [apple-in-medicine.eventbrite.com](http://apple-in-medicine.eventbrite.com).

**Social, Behavioral and Experimental Economics seminar,** 3-5 p.m., North Quad Ehrlicher Room 3100.

**White House Astronomy Night at the Detroit Observatory in Ann Arbor,** 8-9 p.m. Tour the Victorian observatory or visit with U-M Museum of Natural History staff to learn about the night sky, weather permitting.

## TUESDAY, OCT. 20

**"The Effect of Economic Decline on Children,"** Health, History, Demography and Development, 11 a.m.-1 p.m., Lorch Hall, Room 201.

**Med School Meditation Introduction,** noon-1 p.m., Taubman Library, Room 2903. The talk kicks off the 2015-16 Med School Meditation year.

**"Mechanisms to Regulate Gene Expression by Disrupting Protein Synthesis,"** Department of Biological Chemistry Seminar Series, noon-1 p.m., Medical Science Unit II, North Lecture Hall.

**ResearchKit and HealthKit,** noon-1 p.m., North Campus Research Complex, Building 300, Room 376. This seminar is for researchers, IT professionals, and instructional designers to learn how to easily recruit participants and collect data. RSVP: [researchkit.eventbrite.com](http://researchkit.eventbrite.com).

**Wikipedia Edit-a thon to Celebrate Open Access Week,** 4-5 p.m., Shapiro Library, Turkish American Friendship Room 4004. Join this group working to improve, translate and expand upon articles related to open access in Wikipedia. Bring a laptop or a mobile device.

**"Sephardic Aesthetics and the Ashkenazic Imagination,"** John Efron, 4-5 p.m., 202 S. Thayer, Room 2022. This talk explores the special place German-Jewish culture accorded medieval Spanish Jewry.

**Weekly Bible Studies,** 5-6 p.m., Room 2105C, Michigan Union. All welcome.

**Plastics!** Ecosystem Health & Plastic Debris in Our Great Lakes, 6-9 p.m., Matthaei Botanical Gardens.

**"Let's Get Married,"** directed by Liu Jiang, Electric Shadows Film Series, free, 7-9 p.m., State Theatre. Sponsored by the Confucius Institute and Lieberthal-Rogel Center for Chinese Studies at U-M.

**Inside Performance Network:** Let's talk about the play, 7-8 p.m. For cost information for this OLLI presentation, go to [olli-umich.org](http://olli-umich.org).

## DON'T MISS

## Symposium explores role of Soviet Jewish combatants in WWII

They were not what one might consider to be typical Holocaust victims.

Soviet Jewish soldiers had experienced Nazism first-hand. They were determined to fight.

Their story of perseverance will be explored through events organized by the University of Michigan's Jean & Samuel Frankel Center for Judaic Studies. They begin with a symposium from 1:30-5 p.m. Oct. 25: "Resistance in Red: Soviet Jewish Combatants in World War II."

"They knew what they were fighting for, and they understood the consequences of failure," says Jeffrey Veidlinger, director of the Frankel Center. The symposium will examine the approximately 500,000 Soviet Jews who fought in the Red Army during the war, of whom only 300,000 survived.

The symposium concludes with 1966 Soviet film "Eastern Corridor," from 6-8 pm at the U-M Museum of Art Helmut Stern Auditorium. Produced about the Holocaust in the Soviet Union, the Soviet government withdrew it from theaters soon after its release for failing to conform to the



JAMES RESLIER-WELLS

**Zvi Gitelman, Preston R. Tisch Professor of Judaic Studies and professor of political science, an expert on Soviet Jews, is among key presenters at the symposium "Resistance in Red: Soviet Jewish Combatants in World War II."**

Party line on the war. The exhibit "Lives of the Great Patriotic War: The Untold Story of Jewish Soviet Soldiers in the Red Army During WWII," is presented Oct. 25-Dec. 15 in the Hatcher Library Gallery.

## Parkinson's disease research symposium presented Thursday

The inaugural Udall Center for Parkinson's Disease Research Symposium will be presented from 9 a.m.-1 p.m. Thursday in the Kahn Auditorium, Biomedical Science Research Building. It is headlined by Parkinson's researcher Etienne Hirsch. He is director of the Neuroscience, Cognitive Science, Neurology and Psychiatry

Institute at the French Institute of Health and Medical Research in Paris, France.

Following Hirsch's keynote address, there will be talks from a variety of Parkinson's researchers.

For more information, go to [udallpd.umich.edu/html/NewsEvents.html](http://udallpd.umich.edu/html/NewsEvents.html).

## WEDNESDAY, OCT. 21

**"The Detroit Grand Bargain,"** Policy Talks @ the Ford School, 4-6 p.m., Weill Hall, Annenberg Auditorium.

**Causal Inference in Education Research Seminar,** Silvia Robles, Harvard University, 8-10 a.m., Weill Hall, Room 3240.

**Hangout and Munch Lunch GradSWE event,** noon-1 p.m., Room 3074 Dow Building. Bring lunch and chat with other members.

**Mitsui Finance:** Francesca Cornelli, London Business School, noon-1 p.m., Wylie Hall, Room W0768.

**"Making Good Policies with Bad Causal Inference:"**

**The Role of Prediction and Machine Learning,"** Social, Behavioral and Experimental Economics, noon-1 p.m., North Quad, Ehrlicher Room 3100.

**Brown Bag Organ Recital Series,** U-M Baroque Chamber Music Ensemble, noon, School of Public Health.

**"Exercising, Competing and Having Fun: Sports in Late Ottoman Bolis,"** Armenian Studies Program Lecture, 4-5 p.m., School of Social Work Building, Room 1636.

**"A General Approach to Recovering Market Expectations from Futures Prices with an Application to Crude Oil,"** Interdisciplinary Seminar in Quantitative Methods, 4-5 p.m., Haven Hall, Eldersveld Room 5670.

**Macroeconomics Seminar,** 4-5 p.m., Lorch Hall, Room: 301.

**"Architecture, Image and Living Body in Jewish and Classical Traditions,"** 4-6 p.m., 202 S. Thayer, Room 2022.

**Global Health Career Panel,** 5-7 p.m., Michigan Union, Anderson Room.

**"A New Cold War? Russia's New Confrontation with the West,"** Michael A. McFaul, U.S. Ambassador to Russia (2012-14), 5-6 p.m., Rackham Amphitheatre.

**Science Cafe,** 5-7 p.m., Conor O'Neill's, 318 S. Main St.

**Teaching & Volunteering Abroad,** 7-8 p.m., Michigan Union, Pond Room. Hosted by the International Center.

**Birding Jamaica,** 7-9 p.m., Matthaei Botanical Gardens.

**PAT Seminar with film composer Bill Wandel,** 7-9 p.m., Duderstadt Center Media Union, Room 1180.

**Wednesday Night Swing Dancing,** 8-11 p.m., Vandenberg Room, Michigan League. All welcome.

**Percussion Ensemble,** 8 p.m., Moore Building, Hankinson Rehearsal Hall.

## THURSDAY, OCT. 22

**SUMIT 2015: Cyber Security in an Ever-Changing World-the New IT Paradigm,** 8 a.m.-4 p.m., Rackham Auditorium. Register at [safecomputing.umich.edu/events/sumit15](http://safecomputing.umich.edu/events/sumit15).

**Strategies for New Faculty Success,** 9-10 a.m., Lurie Engineering Center Johnson Rooms. For new College of Engineering faculty.

**Udall Center for Parkinson's Disease Research Symposium with Etienne Hirsch.** See Don't Miss, this page.

**"Gongs, Drums, Reincarnation And Magic In Central Java,"** 10-11 a.m., Rave Theatre, 4100 Carpenter Road. For fee information, go to [olli-umich.org](http://olli-umich.org).

**International Economics,** 11 a.m.-1 p.m., Lorch Hall, Room 201.

**Gifts of Art presents Vintage Swing:** The Royal Garden Trio, noon-1 p.m., University Hospital Main Lobby.

**Zell Visiting Writer Q&A:** Sarah Shun-lien Bynum, 2-3 p.m., Angell Hall, Hopwood Room. See photo, this page.

**"What aid can there be from ephemeral men?"** Refashioning Io in the Prometheus Bound, Marianne Hopman, Northwestern University, 4-5 p.m., Angell Hall, Room 2175.

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## EVENTS



COURTESY OF SARAH SHUN-LIEN BYNUM

The Zell Visiting Writers Series presents author Sarah Shun-lien Bynum at 5:30 p.m. Thursday in the Helmut Stern Auditorium, U-M Museum of Art. She is the author of two novels, "Ms. Hempel Chronicles," a finalist for the 2009 PEN/Faulkner Award, and "Madeleine Is Sleeping," a finalist for the 2004 National Book Award and winner of the Janet Heidinger Kafka Prize. She lives in Los Angeles and teaches in the Graduate Writing Program at Otis College of Art and Design.

**"The Impact of the Abolition of China's Civil Service Exam,"** Economic History, 4-5 p.m., Lorch Hall, Room 201.

**"Causes of parallel molecular evolution,"** EEB Thursday Seminar Speaker Series, 4-5 p.m., Chemistry Building, Room 1210.

**"Iffat Al Thunayan: An Arabian Queen,"** 4-5 p.m., School of Social Work Building, Room 1636, International Institute.

**"Local Labor Markets and Criminal Recidivism,"** Law & Economics: Crystal Yang, Harvard Law, 4-6 p.m., South Hall, Room 1020.

**"Hair to There: Weaving Tales with Textiles,"** Penny W. Stamps Speaker Series, Sonya Clark, 5-6 p.m., Michigan Theater.

**Sarah Shun-lien Bynum Reading & Book Signing,** 5-6 p.m., U-M Museum of Art, Helmut Stern Auditorium. See photo, this page.

**Sonya Clark Artist Reception,** 6-7 p.m., 202 S. Thayer, Institute for the Humanities.

**"Detroiters Speak: Environmental Justice in 48217,"** 7-8 p.m., U-M Detroit Center, Ann Arbor Room.

**"Jewish and Greek in Turbulent Times"** film screening with director Vassilis Loules, 7-9 p.m., Chemistry Building, Room 1210.

**Art Enterprise Lecture with Aaron Dworkin,** SMTD dean, 7 p.m., Moore Building, Britton Recital Hall.

## FRIDAY, OCT. 23

**Urban Entrepreneurship Symposium,** 8 a.m.-4 p.m., College for Creative Studies, Taubman Center for Design Education, 6400 Cass Ave., Detroit. U-M is a co-sponsor. Registration is required at [www.urbanej.org](http://www.urbanej.org); ticket information is there as well.

**Perspectives on Teaching panel,** 9-10 a.m., Lurie Engineering Center Johnson Rooms.

**"Laughter and Its Interdiction,"** noon-1 p.m., Modern Languages Building, Room 3308.

**"Spending Some Time on the Inside: Jackson's Cell Block Seven Prison Museum,"** Museum Studies Program brown bag, noon-1 p.m., U-M Museum of Art, Room 125.

**Dance Master Class Repertory Series:** Trina Mannino, U-M Dance Alumna, noon-2 p.m., Dance Building, Betty Pease Studio Theatre.

**Returning to School,** 1-2 p.m., Center for the Education of Women Large Conference Room, 330 E. Liberty.

**"Is There An Energy-Efficiency Gap? Experimental Evidence from Indian Manufacturing Plants?"** Applied Microeconomics/IO, 2-4 p.m., Dana Natural Resources Building, Room 1028.

**Jazz Masterclass Performance:** Tim Berne and Decay, 3 p.m., Stearns Building, Cady Room.

**Economic Theory seminar,** 3-5 p.m., Lorch Hall, Room 301.

**"The Fossil Record of Plant Physiology & its Impact on the Evolution of Terrestrial Ecology and Environments,"** Smith Lecture, 3-4 p.m., Clarence Cook Little Building, Room 1528.

**"#DalitWomenFight: Breaking The Silence on Caste Apartheid,"** CSAS Lecture Series, 4-6 p.m., School of Social Work Building, Room 1636.

**"A Renaissance Myth For The Third Millennium. A tribute to Glenn Watkins,"** Musicology Lecture, 5 p.m., Moore Building, Watkins Lecture Hall.

**"Come as You Are: Art of the 1990s,"** curator lecture with Alexandra Schwartz, 5-7 p.m., U-M Museum of Art, Helmut Stern Auditorium, UMMA. See photo, page 24.

**October Ethnic Exploration Night,** 6-9 p.m., 2427 Mason Hall, celebrating Latino/Hispanic culture.

**Guest Masterclass:** Giacomo Scinaro, piano, 7 p.m., Moore Building, Britton Recital Hall.

**"Sounds and Soundscapes,"** Chamber Choir, 8 p.m., Walgreen Drama Center, Stamps Auditorium.

**University Philharmonia Orchestra,** 8 p.m., Hill Auditorium, pre-concert lecture at 7:15 p.m.

## SATURDAY, OCT. 24

**Purple Run to Benefit SafeHouse Center,** 9-10 a.m., Pierpont Commons. Register by Oct. 20 to help promote SAPAC's mission of increasing awareness of sexualized violence.

**"The Things You Own End Up Owning You: Art in the 1990s,"** 2015 History of Art Symposium: 10 a.m.-4 p.m., U-M Museum of Art, Stern Auditorium.

**U-M Gender and Gaming Symposium 2015,** 10 a.m.-4 p.m., Hatcher Graduate Library Gallery.

**Fight For Literacy Charity Social,** 5-8 p.m., The Annex. Tickets \$50.

**MACFest,** 7 p.m., Rackham Auditorium. See all 16 U-M A Cappella groups perform.

**Band-O-Rama: Ritmo de Azul (Rhythm of Blue),** 7 p.m., Hill Auditorium.

## SUNDAY, OCT. 25

**"Resistance in Red: Soviet Jewish Combatants in WWII"** symposium, 1:30-5 p.m., Hatcher Gallery.

**Family Halloween Party,** noon-5 p.m., Ruthven Museums Building, all ages.

**Hats and High Tea for Breast Cancer Awareness,** 2-4 p.m., Kensington Court Hotel, 610 Hilton Blvd.

**"Eastern Corridor"** film, 6-8 p.m., U-M Museum of Art. See Don't Miss, page 21.

**Octubafest Celluloid Tubas Show,** 7 p.m., Walgreen Drama Center, Stamps Auditorium.

**String Quartet Recital,** 7 p.m., Moore Building, Britton Recital Hall.

## MONDAY, OCT. 26

**"Getting to the Good Bits-Enabling Access to Born-Digital Materials at Multiple Levels of Representation,"** 10-11 a.m., Hatcher Graduate Library Gallery

**"Great Lakes Aggregator: Exploring the Creation of Regionally-Based Digital Collections for Scholarship in the Humanities,"** noon-6 p.m., 202 S. Thayer, Common

Room 1022.

**Seven (Simple) Strategies to Improve Your Teaching,** 1-3 p.m., Lurie Engineering Center Johnson Rooms. For GSIs, IAs, and postdoctoral fellows.

**Social, Behavioral and Experimental Economics seminar,** 3-5 p.m., Wyly Hall, Room W0768.

**Public Finance seminar,** 4-5 p.m., Lorch Hall, Room 301.

**Multiracialism Informing Academic Work panel,** 4-6 p.m., Hatcher Graduate Library Gallery.

**"Body Burdens: Toxic Endurance in the French Atlantic,"** 4-5 p.m., Tisch Hall, Room 1014.

**"The Satellite Mosque in Europe: Arab Preachers on TV and Internet,"** 4-5 p.m., School of Social Work Building, Room 1636.

**Andrew Jennings,** violin, Joseph Gascho, harpsichord: Bach Sonatas, 8 p.m., Walgreen Drama Center, Stamps Auditorium.

## TUESDAY, OCT. 27

**Health, History, Demography and Development workshop,** 11 a.m.-1 p.m., Lorch Hall, Room 201.

**"Biomolecular Kinetics in a Crowded Cellular Environment,"** Department of Biological Chemistry Seminar Series, noon-1 p.m., Medical Science Unit II, North Lecture Hall.

**"Towards a New Qing Natural History,"** LRCCS Noon Lecture Series, School of Social Work Building, Room 1636.

**Climate Change and Health: Research and Partnerships,** noon-1 p.m., School of Public Health Building Community Room.

**Ethics to Policy: Conflicts of Interest Between IRB Members and Industry,** noon-1 p.m., Palmer Commons Forum Hall.

**String Showcase,** 3 p.m., Moore Building, Britton Recital Hall.

**"Nutrition and Southern Poverty: Evidence from Two Shocks,"** Economic History seminar, 4-5 p.m., Lorch Hall, Room 201.

**Assessing al-Qaradawi: Jakob Skovgaard-Petersen, University of Copenhagen,** 4-5 p.m., School of Social Work Building, Room 1636, International Institute.

**Louise Gluck Reception,** Book Signing & Reading, 5-6 p.m., U-M Museum of Art.

**Fast Food for Thought,** 5-7 p.m., Dana Natural Resources Building, Room 1040, bringing together 10 interdisciplinary faculty members to give a series of 5-minute talks on food and/or agriculture.

**Weekly Bible Studies,** 5-6 p.m., Room 2105C, Michigan Union. All welcome.

**"Aberdeen,"** 2014. Electric Shadows Film Series, free, 7-9 p.m., State Theatre. Cantonese with English subtitles.

**"Exploradores del Sonido: An Encounter with the Electronic Sights and Sounds of South America,"** 8 p.m., Walgreen Drama Center, Stamps Auditorium.

## WEDNESDAY, OCT. 28

**"Better is not Always Fair: An Examination of Systemic Bias in North Carolina's Teacher Evaluation System,"** Shanyce Campbell, 8-10 a.m., Weill Hall, Room 3240.

**"Corruption as a Last Resort: Adapting to the Market in Central Asia,"** CREES Noon Lecture, School of Social Work Building, Room 1636.

**MHealthy Eat Smarter Chef Demo:** Healthy Seasonal Soups & Basic Knife Skills, noon-1 p.m., Michigan Union, Rogel Ballroom.

**"New Media Strategies for Music Distribution: The Economics of Independent Recording,"** 1-2 p.m., Moore Building, Watkins Lecture Hall.

**Nam Center Colloquium Series:** 4-6 p.m., School of Social Work Building, Room 1636.

**"The Macro-dynamics of Sorting Between Workers and Firms,"** Macroeconomics seminar, 4-5 p.m., Lorch Hall, Room 301.

**"The Making of Homo Oeconomicus, or, Reading the Cultural Mechanics of Neoliberalism in Contemporary Spain,"** 4-6 p.m., Modern Languages Building, RLL Commons, fourth floor.

## Their Stories Are Our Stories



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EVENTS

**“Geek Heresy: Rescuing Social Change from the Cult of Technology,”** 4-7 p.m., Rackham Amphitheatre.

**Environmental Law & Policy Program Lecture Series,** Patricia Beneke, 4-5 p.m., South Hall, Room 1225.

**“Photographic Architecture in the 20th Century: A Conversation with Claire Zimmerman and Krisztina Fehervary,”** 5-7 p.m., Hatcher Graduate Library Gallery.

**Bonsai Design Principles,** 7-9 p.m., Matthaei Botanical Gardens.

**“The Detroit Bankruptcy Case-Reflections from the Inside,”** Judge Steven Rhodes, 7-9 p.m., Temple Beth Emeth-St. Clare’s Church, 2309 Packard.

**Horn Studio Recital,** 8 p.m., Moore Building, Britton Recital Hall.

**Jazz Lab Ensemble,** 8 p.m., Rackham Auditorium.

**O Guiding Night!** University Choir, 8 p.m., Hill Auditorium.

THURSDAY, OCT. 29

**“The Metropolitan Miniature: Theory and Literary Practice,”** 5-7 p.m., Rackham East Conference Room, short prose texts.

**Driving Detroit:** The Quest for Respect in the Motor City, Rave Theater, 4100 Carpenter Road. For fee information, go to [olli.umich.org](http://olli.umich.org).

**International Economics,** 11 a.m.-1 p.m., Lorch Hall, Room 201.

**Erb Institute C-Suite Speaker Series: Mark Tercek,** noon-1 p.m., Stephen M. Ross School of Business Colloquium.

**“The Performance Practice of Noh,”** CJS Noon Lecture Series, noon-1 p.m., School of Social Work Building, Room 1636.

**Gifts of Art** presents University Music Majors from the School of Music, Theatre & Dance, noon-1 p.m., University Hospital main lobby.

**Econometrics workshop,** New York University, 2-4 p.m., Lorch Hall, Room 301.

**“Principles of Virus-Microbe Dynamics: From Ecology to Evolution and Back Again,”** EEB Thursday Seminar Speaker Series, 4-5 p.m., Chemistry Building, Room 1210.

**“The Gender of Ancient Greek Music,”** Gerald F. Else Lecture in the Humanities, 4-5 p.m., Michigan League Vandenberg Room.

**Law & Economics seminar,** 4-6 p.m., South Hall, Room 1020.

**“Aby Warburg, the Warburg Library, and a Movement of Ideas,”** 4-5 p.m., Rackham Amphitheater.

**“Sex, Madness and Dentists,”** Penny W. Stamps Speaker Series, 5-6 p.m., Michigan Theater.

**Louise Gluck in Conversation with Linda Gregerson,** 5-6 p.m., U-M Museum of Art, Helmut Stern Auditorium.

**Jazz Ensemble,** 8 p.m., Rackham Auditorium.

FRIDAY, OCT. 30

**China’s Economy Today:** The New Normal and Old



PETER SMITH PHOTOGRAPHY

Nora Schell as Whatshername, James Kilmeade as Johnny and Barrett Riggins as St. Jimmy (jumping) perform in the U-M Department of Musical Theatre’s production of “Green Day’s American Idiot.” Created from the multi-platinum, Grammy Award-winning album of the same name by Green Day, it is packed with melody, rhythm and youth angst. Recommended for mature audiences. Sound levels are similar to a rock concert. The musical plays at the Mendelssohn Theatre through Sunday. For tickets and showtimes, call the Michigan League Ticket Office at 734-764-2538, or go online at [tickets.music.umich.edu](http://tickets.music.umich.edu).

Challenges, LRCCS Symposium, 9 a.m.-noon, Stephen M. Ross School of Business, Room R2220.

**2015 Community of Scholars Symposium,** 9 a.m.-4 p.m., Lane Hall, Room 2239.

**“Development of novel therapeutics in the platelet: New approaches to an old problem,”** Drug Discovery Lecture, 9-10 a.m., Palmer Commons Forum Hall.

**Mitsui Finance seminar,** 10 a.m.-noon, Stephen M. Ross School of Business, Room R0420.

**Horror Film Fest,** 11 a.m.-6 p.m., Hatcher Graduate Library Gallery.

**“Xenitia or the State of Being a Foreigner: Juxtaposing Realities, Interpreting Encounters,”** noon-1 p.m., Angell Hall, Room 2175, Classics Library.

**EIHS Graduate Student Workshop,** noon-2 p.m., Tisch Hall, Room 1014.

**Dance Master Class Repertory Series:** Mayte Natalio, Camille A. Brown, noon-2 p.m., Dance Building, Betty Pease Studio Theatre.

**“Micro-enterprises and SMEs: Overcoming Growth Constraints,”** noon-7 p.m., Stephen M. Ross School of Business, Room R2220.

**Celebrating Rod Little’s 65th Birthday:** Advances in

Causal Inference, Survey Statistics, Disclosure Risk, and Missing Data, 1-10 p.m., Palmer Commons, fourth floor.

**“Bringing Genomics to Clinical Medicine: Looking through rose-colored glasses while wearing green eye-shades,”** 2-4 p.m., Taubman Biomedical Science Research Building, Kahn Auditorium and Seminar Rooms A, B and C.

**“Tectonics of the Palaeozoic and Mesozoic amalgamation of Central Asia and Surroundings,”** 3-4 p.m., Clarence Cook Little Building, Room 1528.

**Economic Theory seminar,** 3-5 p.m., Lorch Hall, Room 301.

**“Motion: The Hallmark of Life. From Marsupials to Molecules,”** Martin Karplus, Nobel Laureate, 4-5 p.m., Rackham Amphitheatre.

**Webster Reading Series,** 7-8 p.m., U-M Museum of Art, Helmut Stern Auditorium.

**Impact Dance Fall Show,** 7 p.m., Mendelssohn Theatre.

**“Al Mornia or The Night of Counting Years”** film, 7-10 p.m., Rackham Amphitheater.

**“From the Heart,”** Symphony Band, 8 p.m., Hill Auditorium, pre-concert conversation 7:15 p.m.

**Masters Recital:** Noniko Hsu, flute, 8 p.m., Duderstadt Center Media Union Video Studio.

SATURDAY, OCT. 31

**Fall Party for Special Needs Families,** 11 a.m.-2 p.m., Island Park. For more information, call 216-973-8836 or email [npsaiczn@umich.edu](mailto:npsaiczn@umich.edu).

**“The Baroque Oboe,”** Moore Building, Watkins Lecture Hall.

**Halloween Concert,** 2 p.m., Hill Auditorium, University Orchestras.

SUNDAY, NOV. 1

**Faculty Recital:** David Daniels, voice and Martin Katz, piano, 4 p.m., Moore Building, Britton Recital Hall.

Exhibits

**“The Art of Tyree Guyton: A Thirty-Year Journey,”** through Jan. 3, U-M Museum of Art.

**“Come as You Are: Art of the 1990s,”** through Jan. 31, U-M Museum of Art. See photo, page 23.

**“Common Room,”** Penny W. Stamps School of Art & Design, Oct. 21-Nov. 14, Jean Paul Slusser Gallery, 2000 Bonisteel Blvd.

**“Costume Design Exhibit: History Repeats Itself,”** through Oct. 19, Duderstadt Center Gallery.

**“Dental Hygiene, A Century of Progress,”** Sindecuse Museum of Dentistry in the School of Dentistry.

**“Discover, Connect, Create”** by the University of Michigan Geriatrics Club Mild Memory Loss program Silver Club members, Oct. 23-Nov. 22 at Matthaei Botanical Gardens.

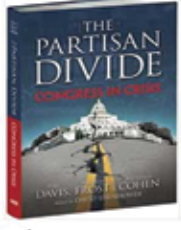
**“Evolution of the Trumpet Exhibition,”** lower lobby of Hill Auditorium.

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# THE PARTISAN DIVIDE: CONGRESS IN CRISIS

## CONGRESSMAN MARTIN FROST (D-TX) CONGRESSMAN TOM DAVIS (R-VA)


### Tuesday, October 27, 2015 7:30 PM



During their combined 40 years in Congress, Martin Frost and Tom Davis were the field generals for their respective parties, each serving two terms as chair of the Democratic and Republican House campaign committees. Now they have joined forces in an effort to save Congress from itself.


According to the authors, Congress is incapable of reforming itself without a good kick in the seat from the American public. Frost and Davis, with great insight and skill, along with a wealth of anecdotes and photos, dissect the causes of legislative gridlock and offer a common sense, bipartisan plan for making our Congress function again.

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EVENTS



NIKKI LEE

“Punk Project” by Nikki Lee is from the U-M Museum of Art exhibit “Come as You Are: Art of the 1990s,” through Jan. 31 at the U-M Museum of Art. The exhibition, whose title references the 1992 Nirvana song, focuses on debates over “identity politics,” the digital revolution and globalization. It also explores a range of geopolitical milestones and social issues through the perspective of artists working at that time.

**The Gerald R. Ford Presidential Library and Museum** is at 1000 Beal Ave. on North Campus.

**Gifts of Art sponsors art exhibits and music performances at U-M Health System facilities.**

“**Jem Cohen: Life Drawing**” is presented through Nov. 29 in the U-M Museum of Art.

“**Lives of the Great Patriotic War: The Untold Story of**

**Jewish Soviet Soldiers in the Red Army During WWII**” is presented Oct. 25-Dec. 15 in the Hatcher Library Gallery. See Don’t Miss, page 21.

“**Passionate Curiosities: Collecting in Egypt & the Near East, 1880s-1950s**,” through Nov. 29, Kelsey Museum of Archaeology.

“**Plurality of Love: Poetry and Art in the Works of Cuban Artist Rolando Estevez**,” through Dec. 17 in the

Hatcher Graduate Library Audubon Room.

“**Rocks, Paper, Memory: Wendy Artin’s Watercolor Paintings of Ancient Sculptures: Phase II**,” through Oct. 25, Kelsey Museum of Archaeology, Room 125.

“**Soviet Constructivist Posters: Branding the New Order**,” through Feb. 21 at the U-M Museum of Art.

**The Stearns Collection** of musical instruments is

presented in the Vesta Mills Gallery and in various exhibition areas throughout the Moore Building, North Campus.

“**Tappan’s Vision**” at the Bentley Historical Library celebrates the impact of President Henry Tappan on U-M.

“**Tell the Story of Your Life In Detroit**” at tinyurl.com/mmsvulz, is sponsored by the Penny W. Stamps School of Art & Design and others.

**U-M Detroit Observatory**, 1398 E. Ann St., houses exhibits and collections that recall the observatory’s role beginning in the Victorian era.

“**Weaving Life in the Andes**” is a photo exhibit presented through Nov. 1 in the Michigan Union Lobby.

“**Women in Science**,” through Dec. 31, Museum of Natural History.

**Museum of Natural History tours and children’s programs**

**Free Dinosaur Tours** are available at 2 p.m. Saturdays and Sundays at the Museum of Natural History. The tours are 30 minutes; limit 15 people. For more information, call 734-764-0480.

**Planetarium shows**

**Tickets for all shows at the Museum of Natural History** are \$5 for adults, seniors and children.

**Workshops/support**

**MHealthy’s Alcohol Management Program** is designed to help people with mild to moderate alcohol problems enjoy life more and drink less or not at all. For more information, call 734-998-2017 or go to mhealthy.umich.edu/alcohol.

**The Faculty and Staff Assistance Program** is offering three educational and support programs this fall: Support for Dealing with Divorce and Breakups, Stress Relief for the Caregiver, and Parenting of Teenagers. More information is at myumi.ch/aMAQz (look for the Training and Education Services header).

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