

Vol. 12, No. 8 ■ March 2015

News for Notre Dame faculty and staff and their families

ND Works



BARBARA JOHNSTON

Center for Undergraduate Scholarly Engagement

Taking learning beyond the classroom

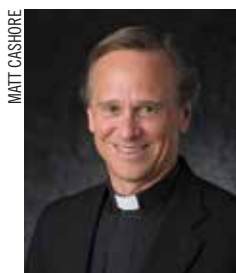
Page 4

Inside

Town Hall Meetings
Page 5

Wellness 'On the Road'
Page 9

Pink Zone
Page 12



Jenkins



Kelly



Myers



Mundy



Kogge



Cassel



Goralski

NEWS BRIEFS

CAMPUS NEWS

REV. JOHN I. JENKINS, C.S.C., ELECTED TO THIRD TERM AS PRESIDENT

The University Board of Trustees elected **Rev. John I. Jenkins, C.S.C.**, Jan. 30 to a third five-year term as president of the University, effective at the conclusion of his second term June 30, Chairman Richard C. Notebaert announced on behalf of the board at its winter meeting in Naples, Florida.

COMMENCEMENT MOVES BACK TO STADIUM

Better than expected progress on the Campus Crossroads project will make it possible to hold the 2015 Commencement Ceremony in Notre Dame Stadium. The announcement was made by Father Jenkins in mid-February. The University's 170th commencement takes place Sunday, May 17.

NOTRE DAME AMONG TOP PRODUCERS OF FULBRIGHT STUDENTS

Ten Notre Dame students have been awarded Fulbright grants in the 2014-15 program, placing the University among the top-producing universities in the nation. The U.S. government's flagship international educational exchange program, Fulbright recently announced the complete list of colleges and universities that produced the most 2014-15 U.S. Fulbright students. The success of the top-producing institutions is highlighted in the Feb. 12 edition of *The Chronicle of Higher Education*.

PEOPLE

KELLY APPOINTED TO AMERICAN LAW INSTITUTE

Dan Kelly, professor of law, has been elected as one of the 26 new members to the American Law Institute. The institute is the leading independent organization in the U.S. producing scholarly work to clarify, modernize and improve the law. Kelly is a Law and Market Behavior faculty fellow. He teaches and writes in the areas of property law and wills, trusts and estates.

MYERS APPOINTED

MARQUETTE PROVOST

Daniel J. Myers, vice president and associate provost for faculty affairs, has been appointed the next provost at Marquette University. Myers will begin his new role on July 1.

MUNDY RECEIVES DISTINGUISHED SERVICE AWARD

Robert M. Mundy, director of admissions, was awarded the College Board Distinguished Service Award at the College Board Midwestern Regional Meeting in Chicago.

KOGGE RECEIVES COMPUTER PIONEER AWARD

Peter M. Kogge, who has served as the Ted H. McCourtney Professor of the Department of Computer Science and Engineering at Notre Dame since 1994, has been awarded the 2015 Computer Pioneer award by the Institute of Electrical and Electronics Engineers (IEEE) Computer Society.

CASSEL AWARDED FULBRIGHT

International human rights law scholar Professor **Douglass Cassel** has been awarded a Fulbright Fellowship to do research in Mexico on the enforcement of Inter-American human rights law by Mexican courts. The project will begin in the spring semester of 2016.

GORALSKI RECEIVES EMPLOYEE OF YEAR AWARD

Heather Goralski, senior sales specialist at the Morris Inn, has been awarded the 2015 **Outstanding Lodging Manager Employee of the Year** award by the Indiana Restaurant & Lodging Association.

WHAT'S GOING ON

FIRST ENDOWMENT FOR HEAD COACHING POSITION

Karen Robinson Keyes, a student-athlete who helped build the foundation of the University's perennially powerful women's basketball program, and her husband **Kevin**, also a former student-athlete at the University, have made a \$5 million gift to their alma mater to endow the Fighting Irish program's head coaching position, the first endowed coaching position in Notre Dame's history.

Karen Robinson Keyes was a standout player for Notre Dame from 1987 to 1991 under Coach Muffet McGraw, whose position will now carry the title Karen and Kevin Keyes Family Head Women's Basketball Coach. Kevin Keyes was a varsity tennis player for the Irish and is now the president and a member of the

Astrophysics Masterclass at Adams



From left, Adams astronomy teacher **Daniel Walsh**, Adams principal **Jim Seitz** and physics professor **Arielle Phillips**.

Bringing science—and scientists—to high school

GENE STOWE, FOR NDWORKS

A collaboration between the Department of Physics and John Adams High School in South Bend has had increased student interest – nearly 50 people signed up for teacher **Daniel Walsh's** astronomy class this year, up from 11 in last year's class, the program's first year.

Physics professor **Arielle Phillips**, postdoctoral associate **Patrick O'Malley**, graduate student **Bryant Vande Kolk**, and several undergraduates visited the classroom in early December as part of an intense two-week study.

Walsh trained the high school students to analyze data on citizen science websites in search of habitable exoplanets. "We actually teach the kids some astronomical techniques on finding exoplanets from outside of our solar system," he says.

A committee in the Department of Physics, with representatives of different outreach groups including QuarkNet and JINA, meets every other week to discuss potential collaborations and opportunities for K-12 students. **Ken Cecire**, an

education specialist at QuarkNet, had developed a Masterclass focused on high-energy physics.

Phillips developed the astrophysics program with Cecire; **Tom Loughran**, a professional specialist in physics; and graduate students Ali Snedden and Colin McClelland. "The Astro Masterclass uses the model developed for International Masterclasses in particle physics to which Notre Dame and QuarkNet are key contributors," Cecire says.

The first Astro Masterclass was a daylong event in 2011 that brought students to campus. Organizers have taken the program to Adams and to Aaron McNeely's class at Bremen High School for two years. In addition to exoplanets, the group hopes to develop classes for other topics and to reach more schools, with experienced teachers helping to train new ones.

The class exposes students to real scientists as well as real science. "Part of the experience is getting to know how you would become an astrophysicist, how to be a physicist," Phillips says. "That's part of the idea of a masterclass—students get contact with people who are doing the research. They're immersed in the scientific process."

board of directors of Annaly Capital Management.

UNIVERSITY RECEIVES USAID GRANT

Twelve Notre Dame researchers, students from the Graduate School and the College of Arts and Letters, have been selected by the United States Agency for International Development's (USAID's) new **Research and Innovation Fellowship Program**. They will travel to Brazil, Colombia, India and South Africa to research global development challenges and create innovative solutions to address these issues.

Notre Dame is one of six universities selected by USAID's

new U.S. Global Development Lab to offer these fellowships, which are officially known as the **USAID | Notre Dame Global Development Fellowships**. The Notre Dame Initiative for Global Development (NDIGD) was selected to manage the fellowship for the University.

CURATEND LAUNCHED

The University and the Hesburgh Libraries have announced the launch of **CurateND**, a multifaceted research repository and portal designed to manage and preserve Notre Dame research and associated data so that it can be globally discovered, accessed and shared. CurateND will help to illuminate the University's research mission, elevate

the work of faculty and students and further Notre Dame's impact around the world.

Notre Dame users can create an account at curate.nd.edu and access a suite of support services in person or online. Help tools such as FAQs are available through the website, and custom support and solutions are available in consultation with experts from the Hesburgh Libraries and the Center for Digital Scholarship. Visit curate.nd.edu or contact **Rick Johnson** at rick.johnson@nd.edu for more information about creating a profile, starting a project, attending workshops and trainings or scheduling individual consultations.

CONTACT US @

Have a comment, question or story idea? Contact NDWorks Managing Editor **Carol C. Bradley**, 631-0445 or bradley.7@nd.edu. For questions regarding The Week @ ND or the University calendar, contact Electronic Media Coordinator **Jennifer Laiber**, 631-4753 or laiber.1@nd.edu.

ND Expert: Little League scandal epitomizes a corrupt youth sports culture



Scandal is 'just sad'

BY MICHAEL O. GARVEY,
MEDIA RELATIONS

The disgrace of U.S. Little League team Jackie Robinson West is a national tragedy, says **Clark Power**, professor of psychology and education and director of Notre Dame's Play Like a Champion Today program. Power's scholarship focuses on bullying, cheating, youth sports character education and moral development.

In early February, the Chicago-area Little League baseball team was stripped of its 2014 national title due to revelations that team officials had falsified boundaries to add ineligible players to its roster. The news is "just plain sad," Power said.

Says Power, who directs the world's only university-based initiative promoting a positive sports culture for all young people, "The children deserve better, the city deserves better, our country deserves better. Jackie Robinson West had

become a symbol of how, with the right kind of coaches and gritty youngsters, organized sports could build character and create opportunity in a city riddled with racial tension and violence, but it has now become a symbol of what's wrong with organized youth sports today. Adults have taken over children's play, and children are losers."

Ironically, Power notes, the Little League celebrated its 75th anniversary last year, "Carl Stoltz started the Little League after tripping over the roots of a lilac bush while he was playing ball with his nephews."

Stoltz's vision of Little League has been widely quoted:

How would you boys like to play on a baseball team? How would you like to play in uniforms, just like the major-league players use? With real equipment—a fresh supply of balls and bats, with catcher's

gear. Umpires would call the games, so arguments about balls and strikes, catch or no catch, fair or foul, would not interrupt play. Coaches would teach players. Someone would keep score. At the end of the year, the best teams would play for the championship of the league. What do you think of that, boys?

"Stoltz disowned it 20 years later because the commercialization of the World Series had transformed Little League into a corporate entity," Powers says. "Stoltz wanted to give children an opportunity to have fun playing America's pastime with uniforms and fields modeled on the big leagues. Along the way, Little League, like too many other youth sport organizations, stopped being about the children. That's a crying shame. We owe it to our children to give their games back to them."

STACY MONTAGUE-SOLTAS



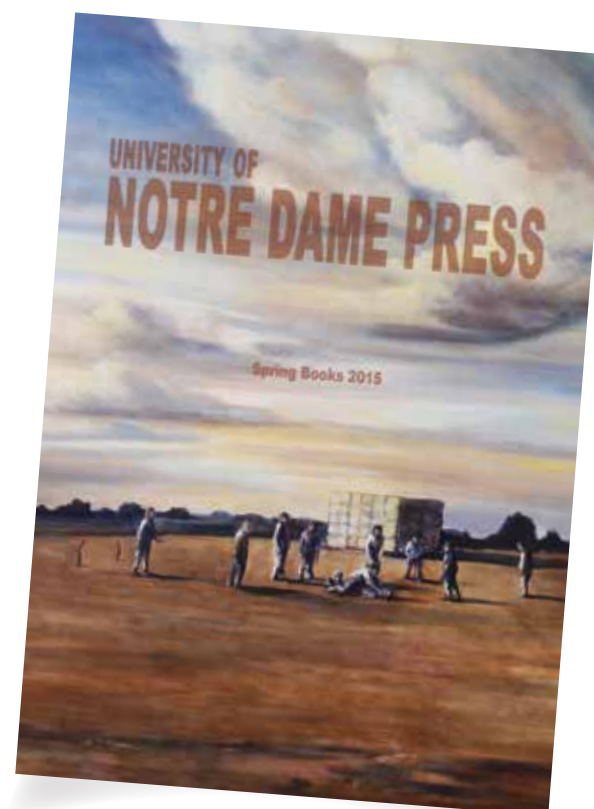
STUDENTS THANK MORRISSEY CUSTODIAN WITH SURPRISE SENDOFF

After learning that custodian Long Nguyen (center) would be leaving his Morrissey Manor post of five years to work in another building on campus, the students and Rector of Morrissey expressed their gratitude for his service with a surprise party and a farewell poster bearing their signatures.

So Long Nguyen came to the states from Vietnam in 1997. He was hired in as a custodian with Building Services in August 2010.

"He was truly touched," says Stacy Montague-Soltas, Nguyen's supervisor. "He created these relationships with the students and the Rector. For them to say how much his service meant to them, that they would never forget him—it really was a great example of what Notre Dame is all about."

Pictured (L to R), John Paul Zebrowski, Sean McCloskey, Fr. Ron Vierling, Long Nguyen, Kyle Witzigman, Trey Owens, Austin Zebrowski.



University of Notre Dame Press' spring 2015 catalog is now available as a downloadable PDF on the website, undpress.nd.edu. The catalog art, "Turning on one another," by Maceo Montoya (2013), is the cover of David Campos' "Furious Dusk," winner of the Andrés Montoya Poetry Prize. "The poet's reflections are catalyzed by learning of his father's impending death, which, in turn, forces him to examine his father's expectations against his own evolving expectations of what it means to be a man."

FurnishND

ACQUIRE

Need furniture for on-campus use? Submit a request. We'll help you select from an on-campus inventory of high-quality, pre-owned furniture.

REMOVE

Do you have worn or unwanted office furniture? Request a removal. We'll pick items up, reuse them on campus or recycle responsibly.

REPAIR

Have a piece of furniture that's torn or broken? Request a repair. Items will be picked up, repaired and returned to you as good as new.

Visit furnish.nd.edu for information or to place a request.

Items for personal use can still be purchased at the ND Surplus store, 925 N. Eddy St. Faculty and staff may shop from 11:30 a.m. to 3 p.m. on Wednesdays and Thursdays. All must show an ND ID or Spousal ID upon entering. Cash or check only, and no returns are accepted.

Making the most of a Notre Dame Education

CUSE helps young scholars go beyond the classroom

BY CAROL C. BRADLEY, NDWORKS

The fundamental function of CUSE, the Center for Undergraduate Scholarly Engagement, is “helping students maximize their undergraduate experience, with an eye to contributing to their post-baccalaureate success,” says **Deb Rotman**, Paul and Maureen Stefanick Faculty Director of the program.

CUSE, founded in 2009, provides undergraduates opportunities for research, scholarship and creative projects, as well as assisting with applications for prestigious national fellowships.

“There was a realization that institutions have the greatest fellowship success if they have a central group to facilitate and integrate across campus—a unit that accompanies and supports students throughout their educational journey,” says Rotman.

CUSE is unique in that the center works with students in all majors and across all colleges, including First Year of Studies.

On Front Cover

From left, Darlene Hampton, assistant director of undergraduate research; sophomore Kristen Gates; Jeffrey Thibert, associate director for fellowships.

The center focuses on three primary areas: scholarly engagement—offering opportunities outside the classroom through programs and events; undergraduate research—offering students across the University mentoring, advising and financial support for undergraduate research; and national fellowships—promoting opportunities for students to excel as applicants for nationally competitive awards.

In November 2014, Alex Coccia, a 2014 graduate, was selected to the American Rhodes Scholar Class of 2015. Coccia was selected from a pool of 877 national candidates who had been nominated by their colleges and universities. He is Notre Dame’s 15th Rhodes Scholar, and the first since 2002.

Says Rotman, “Alex did what we hope all students will do at Notre Dame. He took his learning experience beyond the classroom and took full advantage of all the resources available on campus to discern his path, cultivate his gifts and serve as a transformational leader.”

Coccia is currently a Truman-Albright Fellow in the U.S. Department of Health and Human Services in Washington, D.C. While at Notre Dame, he was a member of the Glynn Family Honors Program and majored in Africana Studies. In addition, he served as student body president.

CUSE helped support Coccia to teach fencing in Uganda. “That was an important part of his discernment of the path he would take as a student,” Rotman says. “He became interested in marginalized people and community dynamics. It cemented

his interest in majoring in Africana Studies.”

Coccia’s involvement became a key part of his application for the \$35,000 Truman-Albright Fellowship for those committed to a career in public service, she notes, and later his Fulbright application. He was assisted with both applications by CUSE.

The University is among the top producers of Fulbright students in the country, it was noted in the Chronicle of Higher Education in early February. Ten Notre Dame students have been awarded 2014-2015 Fulbright grants, the U.S. government’s flagship international educational exchange program.

Jeffrey Thibert, assistant director of fellowships at CUSE, says that the University’s inclusion on the list of top producers of Fulbright students “is a sign of our expanded commitment to internationalization, along with the important work of Notre Dame International and the units that will make up the Keough School of Global Affairs.”

Notre Dame students are especially competitive, he says, “not simply because so many engage with the world through coursework, but because of the depth of engagement that the University encourages. The Fulbright allows our students to take the international education they have begun at Notre Dame to another level, better preparing them to become representatives of the University on the international stage as they pursue their increasingly global careers.”

But what’s important to note, according to Thibert and Rotman is that CUSE is part of a University-wide initiative, a campus network



Rotman

with all working toward the same goal: helping students maximize the opportunities available to them.

Thibert administers competitive national fellowship awards that require university endorsement, nomination or evaluation.

With Rhodes Scholarships, Thibert notes, the University must endorse every candidate, but there is no limit to the number of students who may apply. “CUSE administers the process through review and interview.” The Truman-Albright Fellowships require the University to nominate four candidates.

Darlene Hampton is assistant director of undergraduate research, another important part of CUSE’s mission. The center provides grant support for independent research, scholarship or creative endeavors—typically outside the framework of regular three- or four-credit courses.

Projects can include things that are not strictly speaking “research,” Rot-

man notes, include things that could turn into research down the road—developing an exhibition, attending a conference or visiting archives.

CUSE, which works with students both one-on-one and in small groups, offers a journal club and weekly workshops topics such as grant writing. The center also manages the Sorin Scholars program, an honor society for students who weren’t admitted to honors programs but excelled in their first year. Sorin Scholars receive support from the center in the form of mentorship and funding to help them develop their intellectual interests.

“We tell students, ‘come see us early and often.’ The goal is for students to become catalysts for their peers,” Rotman says. “Our goal is to energize the life of the campus by making students part of the intellectual life of the University, not just the social life.”

Notre Dame anthropologist awarded Fulbright Fellowship

Rotman will spend year in Ireland

BY CARRIE GATES, ARTS AND LETTERS

Anthropologist **Deb Rotman**, Paul and Maureen Stefanick Faculty Director of Notre Dame’s Center for Undergraduate Scholarly Engagement (CUSE), has received a Fulbright U.S. Scholar Award for the 2015-16 academic year.

Rotman will spend the year in Ireland, collaborating with University College Dublin (UCD) and the Galway-Mayo Institute of Technology (GMIT) on her project, “Clachans and Cultural Landscapes of County Mayo, Ireland: Local History, Folklore and Archaeology of 19th-Century Domestic Sites.”

“It is a tremendous honor for my project to have been selected for this highly competitive award,” she said, “as well as an amazing opportunity to be in community with other researchers, thinkers and artists as a Fulbright Scholar.”

The award is also exciting for the Department of Anthropology and the University, said Professor **Agustín Fuentes**, chair of the department. “In addition to her own excellent work in historical archaeology, Deb Rotman has been a terrific teacher and mentor to a wide array of undergraduate researchers at Notre Dame.

“Her project will not only develop insight into the clachans and cultural landscapes of County Mayo, but also enhance our already robust research and collaborative relationships with Irish scholars and affirm Notre Dame’s reputation as one of the top-tier locales for the studies of Ireland, Irish language and culture, and the Irish diaspora.”

Rotman’s research focuses on the historical archaeology of Irish immigrants in the United States. In particular, she has conducted extensive field research with Notre Dame students at a 19th-century Irish immigrant enclave on Lake Michigan’s Beaver Island.

“In all my research on Irish immigrants in the U.S., I have often thought it would be much easier to interpret this material culture and what we’re seeing in the archaeological record if we had a better understanding of the domestic sites from which they emigrated,” she said. “That was what drew me to this project.”

While she is in Ireland, Rotman will be hosted by GMIT, which she called “an ideal home base” for the project because of its Heritage Studies Program and its location. “Castlebar is uniquely situated in an historically and archaeologically rich landscape,” she said.

Rotman has worked for years with archaeologists at University College Dublin and hopes the



Student Connor Walsh works with Rotman at her field school in County Galway during the summer of 2014.

Fulbright Award will open the door for further collaboration with Notre Dame, UCD and GMIT faculty and students. She envisions a multi-year project with excavations at field schools in Ireland one summer and in the United States the next.

“Alternating between the two sites will give us a lovely, holistic and transatlantic view of what immigrant life was like in the 19th century,” she said.

This type of field research is a tremendous opportunity for students,

Rotman added. “The students get so much out of the experience because they’re able to work with these highly varied data sets that include the archaeological record, archival research, oral histories and folklore.”

Upon her return to Notre Dame, Rotman looks forward to sharing her experiences with her students through a course on historical archaeology.

As director of CUSE, Rotman also connects students across the University with opportunities for

research, scholarship and creative projects. The center assists them in finding faculty mentors, funding and venues for the publication or presentation of their work. It also promotes application to national fellowship programs and prepares students in their application process.

“It is a crowning achievement,” Fuentes said, “for the director of the Center for Undergraduate Scholarly Engagement, herself, to receive such a prestigious fellowship.”

Spring Town Hall meetings review ND Voice results



Bob McQuade addresses staff at the spring Town Hall meeting in Washington Hall.

BY CIDNI SANDERS, INTERNAL COMMUNICATIONS

There were 74 questions on the 2014 ND Voice survey but they all boil down to two main issues.

Bob McQuade, vice president for Human Resources, told attendees at the spring Town Hall meetings that the biannual ND Voice employee engagement survey provides insights into (1) how Notre Dame employees are doing and (2) how they feel they are being treated.

Results from the 2014 survey show significant overall improvement in all 12 categories on the survey—an achievement that we should celebrate, according to **President Rev. John I. Jenkins, C.S.C.** Much of the progress may be attributed to what has been done during the two years between each survey. On a University-wide level and within departments, new programs and activities have been put in place to specifically address employee areas of concern.

“This coming July will mark 10 years for me as president of the University,” Father Jenkins said. “I am very proud of what we all have accomplished together in the last 10 years, but I’m most proud that, even after those accomplishments, still I sense in all of you a commitment to continue to improve and to make Notre Dame better.”

Faculty and staff have consistently responded most favorably in the categories of engagement, image and strategic clarity since the survey launched eight years ago. Notre Dame’s 2014 scores exceeded those of peer institutions like Harvard, Stanford and Vanderbilt in almost every category. In addition, the University reached historic participation rates, with more than 80 percent of eligible employees taking the survey.

“I think just about every University and every organization of any kind in this country would love to have those results. We have those because of you,” said Father Jenkins.

While University leaders expressed their appreciation for all that has been done to make Notre Dame a great place to work, they also acknowledged that there is more that can be done to help employees contribute their best and ultimately help Notre Dame achieve its goals.

University Vice President **John Affleck-Graves** told the audience that improvements must be made in the respect and fairness category.

“We’ve improved a little bit every year in this category, but we can do even better on this,” he said. “When we break down the questions that make up respect and fairness, we do well on integrity, flexibility and diversity. Where we do poorly is on a fear of retaliation for speaking up and on respect for employees. That’s not good for us as a University, and it should make all of us feel a little bit uncomfortable. I’m going to challenge every unit to do better on this, to develop an action plan. This has to be tackled department by department.”

Father Jenkins reminded the audience: “We’re not perfect, and we don’t claim to be perfect. We have a lot of areas where we can improve, but we try as hard as we can and do the very best we can to get better. If we don’t, then we’re giving the wrong message to our students.”

So what can employees expect next?

By April 30, all departments should have shared their specific results with employees. From these results, action plans will be created to help each department address the most crucial areas identified by the survey feedback. Action plans should be submitted to Affleck-Graves by June 30 and implemented immediately, with quarterly accountability check-ins conducted throughout the 2015-2016 fiscal year.

Everyone has a role to play in creating a work environment where employees can thrive, leaders said.

The survey was one method of employees being able to provide their honest perspective on the University’s strengths and areas of improvement. Now that managers and supervisors have reviewed the results, it will take team members’ shared accountability and commitment to ensure that continued improvements take place.

For help creating effective action plans, managers and supervisors should contact their Human Resources consultant.

Health care strategy working group formed

A dramatic increase in health care costs—approximately 115 percent during the last decade—has led to the creation of a working group to review the University’s current medical benefits program.

Sixteen faculty and staff members have been appointed to the working group:

- **Bob McQuade**, vice president, Human Resources
- **John Affleck-Graves**, executive vice president
- **Dennis Doordan**, professor, School of Architecture
- **Bill Evans**, professor, College of Arts and Letters
- **Umesh Garg**, professor, College of Science
- **Nasir Ghiaseddin**, associate professor, Faculty Senate
- **Todd Hill**, senior director, OIT
- **Yih-Fang Huang**, professor, College of Engineering
- **Linda Kroll**, associate vice president, Finance
- **Joe Kurth**, director, Morris Inn
- **Denise Murphy**, director, Human Resources
- **John Sitter**, professor, College of Arts and Letters
- **Tamara Springer**, editorial assistant, Staff Advisory Council
- **Ann Tenbrunsel**, professor, College of Business
- **Julian Velasco**, associate professor, Law School
- **Karen Horvath**, custodial crew leader, Building Services

McQuade will serve as chairperson of the 16-member working group. The team is tasked with a strategy for future medical plans that helps control rising premium costs for the University and faculty and staff, while still providing a competitive medical benefits package.

To learn more and offer suggestions for improvements, faculty and staff are encouraged to reach out to their colleagues who are members of the working group, email comments and questions to healthcareworkinggroup@nd.edu and attend upcoming college and department meetings to learn more.

Campus safety issues addressed

Affleck-Graves addressed the University’s emergency preparedness and response protocols, including ND Alert notifications to faculty and staff. He reaffirmed his commitment to support Campus Safety in informing employees of emergency situations on campus, saying that the ability to quickly provide accurate updates is of utmost importance.

Continuous improvement efforts like the recent test of the ND Alert system provide key insight into technical and procedural adjustments that can be made to better protect campus in a crisis situation. Tests of the emergency notification system are announced ahead of time so employees can report any problems with message clarity or delivery.

“Safety is and always will be our No. 1 concern,” said Affleck-Graves. “We live in a very challenging time, and incidents can happen quickly. Our public address system is our major way of getting information to you in one of these situations. We will continue to test it. Please let us know if you can’t hear it or if it’s not clear because, when we’ve got that information, we can correct any problems.”

Spring groundbreakings planned

Construction projects across campus continue to progress. And, during the next few months, work will begin on the latest of several projects announced in 2013.

In March, crews will break ground on the two new undergraduate residence halls—one for men and one for women—that will be built northeast of Hesburgh Library. The halls are scheduled to be completed by the fall of 2016.

From May to the fall of 2017, construction is planned on the Jenkins Hall and Nanovic Hall complex. Jenkins Hall will house Notre Dame’s Keough-Naughton Institute for Irish Studies and Liu Institute for Asia and Asian Studies, and provide additional space for the Kellogg Institute for International Studies and Kroc Institute for International Peace Studies. The adjoining Nanovic Hall will be the new home for the Departments of Economics, Political Science and Sociology, as well as the Nanovic Institute for European Studies.

For ongoing updates related to construction, parking and road closures, visit construction.nd.edu.

If you were unable to attend a Town Hall meeting or want to review a portion of the content, visit evp.nd.edu to view a video of the event. The next Town Hall meetings will be held during the fall. If you have topic suggestions or general questions about the University, please contact the Office of the Executive Vice President at execvp@nd.edu.

SUSTAINABILITY

University receives gold rating for sustainability



constantly in and out of meetings with stakeholders. Although his clients change daily, he's found one thing to be consistent:

"Everyone wants to communicate electronically," he says.

After getting frustrated with the traditional method of taking and organizing notes by hand, he started exploring options to eliminate paper.

Out of the 18 project managers in the architect's office, 12 have adopted the use of tablets on an everyday basis, and there are plans to transition the remaining six over by the end of the year.

Everyone keeps track of their projects in Microsoft OneNote, software that allows for the creation and sharing of individual notebooks. These notebooks not only allow for the seamless integration of photos, videos, text and screen grabs, they are also cloud-based and lend themselves to being easily shared—a feature enjoyed by those working on teams.

Project managers aren't the only ones going paperless though. The trend is catching on throughout campus, says **Ron Kraemer**, vice president of the Office of Information Technology and Notre Dame's chief information and digital officer.

OIT recently purchased 100 iPads for classroom use as part of a program that aims both to provide students with an alternative to buying standard course materials and improve sustainability by cutting down on printing waste.

From a wildly successful pilot program introduced in 2012, iPads are now utilized by four to five classes a semester for out-of-class discussion as well as collaboration through the use of a variety of applications.

One such example is Professor **Ed Edmonds'** Advanced Legal Research

Sustainability Symposium

The Office of Sustainability's first Sustainability Symposium, themed "Purchasing for Positive Impact," takes place from 8 a.m. to noon Wednesday, March 25, at the Notre Dame Conference Center. Admission is free but space is limited. Register at green.nd.edu.

class. Edmonds, the associate dean for library and information technology says, "Since students are becoming more and more accustomed to looking up information online instead of in a physical library, we decided to adapt to meet both them and the evolving industry."

In Edmonds' class, research is done, homework is completed and feedback is all received electronically, which helps to save more than 2,000 sheets of paper each semester in his class alone.

In addition to academics, departments like Building Services have also begun taking steps to go paperless.

The introduction of iPad mobile offices for custodial staff has given supervisors the ability to remotely inspect all areas of campus, as well as order supplies and process custodial supply orders in the field.

"The integration of the iPads has really helped to streamline our efforts," says **Chris Hatfield**, director of Building Services. "We have been able to reduce errors, improve efficiency and show our commitment to sustainability at the same time."

The benefits of going paperless reach far beyond decluttering, organizing and streamlining work; the choice is also a sustainable one.

The U.S. pulp and paper industry is the third largest industrial polluter of air, water and land in both Canada and the United States, releasing more than 220 million pounds of toxic pollution each year. Paper consumption has tripled since 1960, with Americans adding 85 million tons of paper into the waste stream annually.

According to a report by Javelin Strategy and Research, if every U.S. household switched from paper billing to viewing and paying bills online, the switch would save 16.5 million trees, decrease emission of greenhouse gases by 3.9 billion pounds (the equivalent of taking 355,000 cars off of the road) and reduce fuel consumption by 26 million BTUs—enough energy to provide residential power to San Francisco for a year.

So how do I do it?

"The number one thing would be to have the right tools on whatever device you use. You have to feel comfortable with your device or you're going to revert right back to the paper world," says Kraemer.

One opportunity to accomplish this is provided by the OIT in the Mobile Innovation Center and Mobile Device Lab. Located in the offices of OIT's Academic Technologies Lab in DeBartolo B003, the MIC and MDL serve as a resource for students, faculty and staff to try out mobile devices, discover new trends and improve their mobile skill set.

Additional resources provided by the OIT include basic classes in mobile technology platforms, and mobile compatible software such as OneNote, Box and Google Drive, which are all accessible on eNDeavor.

Although there may be a learning curve to adjusting to paperless work, "getting over the hurdle is definitely worth it," says Mike Daly. "I'd definitely recommend it."

The University has earned a Gold Rating in recognition of sustainability achievements from the **Association for the Advancement of Sustainability in Higher Education**.

This year's gold rating places Notre Dame among the top 13 percent of more than 300 reporting institutions across the world, and the highest rated of the nine participating schools in Indiana.

Major contributors to the rating include an increase in the number of departments conducting sustainability-focused research, an increase in the quality and quantity of sustainable building design and construction, and a reduction in the total amount of greenhouse gas emissions produced across campus.

Since its creation in 2008, the office has doubled the University's recycling rate to 43 percent, decreased the carbon footprint by 37 percent and has worked throughout the University to fully certify three divisions and 27 offices as Green Offices.

Visit green.nd.edu for more information.

Thinking about going paperless?

Less paper, more value

BY DANA BAKIRTJY,
SUSTAINABILITY

Ten years ago, the idea of going completely paperless on a college campus would have been unheard of. But thanks to the introduction of new technology and processes, the paperless workplace has been adopted by individuals, offices and departments across campus.

"I was frustrated with carrying around a bunch of different pieces of paper, writing things on different pads, and coming back to piles of paper everywhere around my office," says **Mike Daly**, senior director of project management for Planning, Design and Construction. "It was hard to keep track of and find what I needed."

As a project manager for the University architect's office, Daly is

RELAY FOR LIFE

Relay for Life 2015 takes place April 17

Notre Dame's 11th annual **Relay for Life 2015** fundraiser, raising money for the American Cancer Society (ACS), takes place at the Compton Family Ice Arena from 6 p.m. to midnight on Friday, April 17.

Throughout the walk there will be food options, special guest interviews and activities for both kids and adults, including ice skating, a silent auction and karaoke.

Overall, Notre Dame's Relay for Life has raised more than \$1.2 million for ACS. In 2014, Notre Dame won two national awards, both for the second year in a row: the **Nationwide Number One Youth Per Capita Award**, and the **Gordy Klatt Number One Collegiate Power of Hope Award**.

To date, the American Cancer Society, the single largest nongovernmental, not-for-profit investor in cancer research, has awarded Notre Dame 13 research grants,

totaling \$4,723,518.

Recently, the ACS awarded a grant of \$300,000 to the Harper Cancer Research Institute, a partnership between the University of Notre Dame and Indiana

School of Medicine-South Bend, in order to provide junior faculty members with seed money to fund their research.

ACS also awarded Notre Dame's **Zachery T. Schafer**, Coleman Assistant Professor of Cancer Biology, \$792,000, four-year grant for breast cancer research.

Registration for Notre Dame's Relay for Life 2015 is open, and teams are currently being formed. Visit relay.nd.edu for more information on the event

and to register. Additional information can also be found on the event's Facebook (**Notre Dame Relay for Life**) and Twitter, **@NOTREDAMERFL**.



BARBARA JOHNSTON



CAMPUS PROFILE

Women in Leadership: Ann M. Firth

BY CAROL C. BRADLEY, NDWORKS

As chief of staff for Rev. John I. Jenkins, C.S.C., **Ann Firth** acts as Father Jenkins' adviser and manages his schedule as well as the staff and operations of the Office of the President; serves as liaison to the University's Board of Trustees; is a member of the President's Leadership Council and coordinates the work of that group on behalf of Father Jenkins; works with the Budget Working Group and the Faculty Board on Athletics; and serves as vice chair for the President's Oversight Committee on Diversity and Inclusion.

Growing up in Elgin, Illinois (where, coincidentally, she attended St. Edward High School with John Sejdinaj, the University's vice president for finance) Firth imagined she might one day become a teacher.

Fluent in German, she's one of three children born to German immigrant parents who were very patriotic and proud of their U.S. citizenship, but also very proud of their German heritage. "I was the child in third grade in a dirdl and

braids," Firth says.

She completed her undergraduate education at Notre Dame (with majors in political science and German), followed by Notre Dame Law School, where she met her husband, John. "I married a wonderful man I met in law school, and I'm glad to say, we're still happily married 30 years later," she says.

Firth practiced law in Chicago but knew she didn't want to make a career of it—to the dismay of some of her classmates and professors.

She came back to Notre Dame in 1985 as the inaugural director of the Office of Residence Life (now Office of Community Standards) and was the University's primary student conduct officer for seven years.

Over the next 20 years, Firth held a variety of roles in student life culminating with the position of associate vice president for student affairs, and says that she cherishes those years "working alongside terrific colleagues on the faculty and in student affairs in service of the best students anywhere."

She joined the Office of the President in 2011 as associate vice

president and counselor to the president, and was appointed to the chief of staff position in 2012.

Of her current position, Firth says, "I'm very blessed to be able to work with Father John. In addition to being a wise and dedicated leader, he's a kind and compassionate person of great integrity and humility. He also happens to have a great sense of humor, which is so important in life. I'm inspired by his vision for Notre Dame as well as his personal example. This is an incredibly exciting time in the University's history."

In her free time, she enjoys travel, entertaining, exercise and reading fiction—she's currently reading "All the Light We Cannot See," Anthony Doerr's New York Times best-seller about a blind French girl and a German boy "whose paths collide in occupied France as they try to survive the devastation of World War II."

Firth enjoys experimenting with cooking, and—despite her German



BARBARA JOHNSTON

Firth

heritage—is known for her marinara sauce.

She and husband John are the parents of five children—three Notre Dame grads (John, a Ph.D. student in economics at MIT; Molly, a risk management consultant in Boston; and Kate, who works in investment banking on Wall Street); Jim, a current student; and Clare, who's in high school. When they're all at

home for the holidays, Firth says, "There's a lot of joyful noise."

Although she doesn't spend her days in the classroom, Firth observes, "My sense when I was very young that teaching might be my vocation has, I think, been borne out, but in a different way than I imagined. I've been privileged throughout my career to be part of helping students develop their gifts and talents, and at the core, I see myself as an educator.

"I learn so much from the people I work with and the people I meet," Firth says. "I wake up every day and feel blessed to come to work."

Father Jenkins adds, "I am daily reminded that what I accomplish is due to the talent and dedication of people with whom I work, and Ann Firth is high on that list. She is a consummate professional, a highly intelligent person with astute judgment, and someone whose life reflects the values of Notre Dame. It is a joy and privilege to have her as a colleague and friend."

Notre Dame Unleashed



MATT CASHORE

Students engage with impact investing

BY GENE STOWE, FOR NDWORKS

When undergraduates Thomas Flaim and Carly Smith showed up in her office at the Gigot Center for Entrepreneurship in the Mendoza College of Business (MCOB) a year ago, **Melissa Paulsen** agreed to become the temporary faculty adviser for a club focused on impact investing.

As the club, Notre Dame Unleashed, has boosted its educational activities, including a Pitch Competition on Dec. 6 in the Main Building, Paulsen's role has become permanent, and impact investing has gained more attention on campus.

"They eventually would love to

see Notre Dame get more engaged in impact investing itself," Paulsen says. "They specifically are interested in a student fund. They did a lot of benchmarking initially to understand what other universities are doing, what the industry looks like."

Impact investing involves investments in companies that focus on the double- or triple bottom-line—a commitment to social or environmental good, or both, in addition to financial success. For example, Better World Books, founded by three Notre Dame alums more than a decade ago, is a leading model of such social venture companies and has received impact investing.

"Impact investing falls under the realm of social entrepreneurship," says Paulsen, who includes the topic in courses she teaches. "To do impact investing, you also have to

understand the finance piece. They originally thought they wanted to start a fund, but we quickly agreed that there was a great deal they could do in terms of education for the campus, by helping students understand what impact investing is."

The Pitch Competition, held in the Main Building, involved eight teams, each with a professional mentor and an MBA student adviser. Judges were Andy McKenna of Irish Angels; Sean Murphy of Miracle Ventures; the Rev. Eric Zimmer, S.J., an adjunct associate professor; Marjorie Betublza, an MBA student and chapter president of Mendoza's Net Impact Club; and Flaim, co-president of Unleashed.

Flaim, a junior who is on the committee that plans an annual conference on social entrepreneurship, recently wrote a post for the Irish Impact blog,

irishimpact.wordpress.com.

He says the Unleash initiative has received support and encouragement from many on campus, including **Roger Huang**, dean of the Mendoza College of Business; **Dale Nees**, assistant dean of undergraduate studies in the MCOB; **Sam Miller**, director of the Gigot Center for Entrepreneurship; finance professor **Carl Ackermann**; and **Rudy Reyes Jr.**, University Director of Foundation Relations and Academic Advancement.

"We've met many people throughout this process," Flaim says, adding that 289 people signed up for the club on Activities Night and 40 were accepted as analysts. "Only three people who signed up had heard of impact investing. We're just at the tipping point where people know about us."

More people will be hearing about

impact investing in the future. The topic was part of this fall's Irish Impact Social Entrepreneurship Conference, and impact investing will be the central focus at next year's conference, Paulsen says.

"We're trying to use Irish Impact as a platform for educating the Notre Dame community on all aspects of social entrepreneurship," she says. "Impact investing is certainly one of them. Financial return and social purpose are no longer mutually exclusive, and we want to be front and center in that conversation. With Tommy and Unleashed's help, we look forward to bringing a variety of impact investing speakers to campus next fall—from institutional and private investors to social entrepreneurs looking for investment."

NEW EMPLOYEES

The University welcomes the following employees who began work in **January**:

Melissa Aguirre, Custodial Services
Nina N. Ansimova, St. Michael's Laundry
Cynthia Beehler, Turbomachinery Facility
Ryan Blaske and **Scott Tingwald**, AgencyND
Gianluca Blois, **Hirota Sakaue** and **Alberto Salvadori**, Aerospace and Mechanical Engineering
Christina Booth and **Lori Doll**, Office of Research
Daniel Burgun and **Brian R. Nulle**, Performing Arts Administrative
Christopher Chew, University Architect—Capital Projects
Jonathan D. Chisum, Electrical Engineering
Thomas F. Degnan, Chemical and Biomolecular Engineering
Mark P. Dumich, Development
Johnathan Franklin, Student Development and Welfare

Ryan Grieshaber, Food Services, North Dining Hall
RoHiKa Hardas, **Nicolette E. O'Bayley** and **Rowena Sindelar**, Morris Inn
Tina Healey, Procurement Services
Samir Ibrahimov, Fencing
Mike Johnson and **James F. McLaughlin**, Volleyball
Matthew Knecht, Law School
Mary K. LaViolette, Information Technology
Mary K. LaViolette, Division of Student Affairs
Nicole Lodewyk, Financial Aid
Shalon McClatchey, Graduate School
Corey A. Measner, Varsity Strength and Conditioning
Vanessa Minahan, Alumni Association
Carol Saxton, Human Resources
Ling Sun, Organizational Effectiveness
Aaron Wellman, Football
Charles Williams, Center for Research Computing
Mary Beth Zachariades, School of Architecture

SERVICE ANNIVERSARIES

The University congratulates those employees celebrating significant service anniversaries in **March**:

40 Years

Edward F. Hums, Accountancy
Clifford J. Payne, Joyce Center

35 Years

Nagi Elia, Campus Technology Services

30 Years

Christopher J. Barkley, Vending

25 Years

Pamela A. Brzezinski, Hesburgh Libraries
James L. Gardner, Central Receiving
Gene R. Giles, Campus Work Control Center
David A. Shidler, Food Services, North Dining Hall
John A. Wensits, Rolfs Sports Rec Center

20 Years

Debrah J. Gilleen, Electrical Engineering
Lynn M. McCormack, English
Dennis J. Stachowski, Rockne Memorial Building
Debbie S. Sumption, Law School
Jaroslav Zajicek, Chemistry and Biochemistry

15 Years

Patsy M. Billingsley, Mendoza College of Business
John C. Buysse, Infrastructure Services
Mark W. DeVore, Office of Research
Barbara E. Klowetter, Registrar
Cheryl S. Smith, Hesburgh Libraries
Jordan L. Turner, Payroll Services
Michele VanTubbergen, Vending

10 Years

Heather S. Hakenen, Campaign for ND
Thomas J. Harvey, MNA Program
David Nickerson, Political Science
Bradley C. Prestin, Utilities—Operations
Matthew Yops, Golf Course Operations
Terri A. Zeiger, Campus Work Control Center

Documenting illness in the lives of African-American women

Book is labor of love for Forestine Jackson

BY KATHY BORLIK, FOR NDWORKS

It is a big project, but **Forestine Jackson** and her friends are up to the task of compiling a book that examines the lives of African-American women dealing with chronic illness. “The Weeps of Mary and the Moans of Martha” will have the personal stories of at least 15 women.

Jackson said subjects are ordinary working women who have experienced pain and loneliness from dealing with an illness or condition. They have cancer, kidney disease, AIDS and multiple sclerosis. She sees the book as a way to bring the women together in community. For others, she believes, it will be a source of strength. The book will be distributed free.

Jackson and her team are looking for funding for this project and possibly other publications on women in the African-American community.

It all started at the beginning of December, and the plan is to have the publication completed by April—although the job, Jackson agrees, is sizable—collecting stories, editing and getting photos.

Jackson has gathered a number of campus friends to help in the project such as **Cecilia Lucero** and **Molly O'Brien** in First Year of Studies, **Barbara Calhoun** in biology, **Cheryl A. Reed** in DCL faculty services and **Eishau S. Allen** from the North Dining Hall.

Lucero and O'Brien, along with daughter Emily O'Brien, a student at Saint Mary's College, are reviewing stories. Calhoun is reviewing the medical terms; Reed is formatting and Allen is photographing the subjects.

CAROL C. BRADLEY



Jackson

Family and friends will be donating for expenses, editing, designing and contributing general legwork.

Jackson, who is the records processor in psychology, has a long history of community involvement with her church and other causes.

This project evolved from a friend who is suffering from breast cancer. Jackson and other friends looked for an outlet for her and others who were suffering other than Facebook. The idea of compiling stories came out of that.

“My friend asked me to help her put together the publication. My first thought was, ‘I’m not a writer’ and ‘it’s too big of a job.’ My friend did what I would call ‘sicked God on me.’ The friend said she prayed about it and the Lord told her to call me.”

In that case, Jackson says, there’s no use in arguing. It was time to get started.

Working with Lucero, a questionnaire was developed asking about the diagnosis, family and friend reactions, employers, activities and treatments. The team used word-of-mouth to collect stories. Women were contacted and the stories began to arrive.

Jackson said the women

talk about being alone and not being able to talk to others. Some are depressed and others wonder why this has happened to them. The women range in age from early 20s to seniors. “The stories break your heart. I know I have no right to complain about anything,” Jackson says after reading the stories.

Lucero has reviewed some of the stories and says she’s found them to be amazing. “They are very personal. They convey to others the challenges of being ill. They are very good. I believe the stories will resonate with African-American women and others.”

In her job as Rare Health Exchange outreach program coordinator in biology, Calhoun reaches out to patients with rare and neglected diseases. “First and foremost, I found that faith carries these women. They want to share, and they feel disconnected. Anyone who reads these stories can feel their loneliness and the uncertainty.”

Calhoun notes that the project is another in a long list of good works from her friend Forestine, who sees a need and gets people involved.

Understanding college costs

BY MARY A. SCOTT, SAVING FOR COLLEGE PROGRAM

Every year between February and April, most schools publish their tuition, fees, room and board rates for the following year.

What is important to note is that these rates are the “published” rate, sometimes referred to as the “sticker price,” and not necessarily what the family will have to pay. This article describes the difference between the “published” rate and the “net price,” how to estimate future college costs, and how these estimates factor into a college savings plan.

Typically the total cost of attendance (COA) will include the following:

- **Tuition and fees**—charged by the institution for the educational instruction. Fees are mandatory and may include items such as technology or student activities.
- **Room and board**—the average charged by the institution for the dorm room and the standard meal plan.
- **Books and supplies**—books and materials needed to complete coursework successfully.
- **Travel**—transportation cost to and from the primary residence to campus, assuming two round-trips.
- **Personal**—an estimated amount for personal expenses such as laundry and modest social expenses.

Once the family has been notified of any financial aid (scholarships and grants), it can calculate a “net price.” The net price is the “sticker” price of the college minus the gift aid that has been awarded. The net price of a college is often much lower than its published price.

Estimating the four-year cost

General calculators

There are many online resources that help estimate the projected costs of a student’s future enrollment. One such calculator is the College Board’s College Savings Calculator. It allows users to determine how much their college education will cost as well as measure the effectiveness of their current savings strategy.

School-specific calculators

Each school is required to have a net price calculator on its website. This calculator allows individuals to input their financial information to get a “net price” estimate based on the school’s financial aid policies. By using these tools, users can calculate a rough estimate of what their family would be expected to pay for one year at that particular school.

Creating a savings strategy

Most families can’t save 100 percent of the total expected net cost, but families should save as much as they can. While often a challenge and not always achievable, a common industry goal to which a family could aspire is to have saved up to one-third of the total four-year cost.

The important thing is not to be daunted by these numbers and to start a savings plan and begin saving regularly. The earlier such a program is created, the more money will be available when college begins, the less burdensome the cost will be, and the more choices a student will be able to consider.

HEALTH & WELLNESS

The 'Be Well' series is taking wellness 'On The Road'

Familiar programs offered in new format

BY SCOTT PALMER, HUMAN RESOURCES

Faculty and staff taking steps toward better health and wellness will need fewer steps to get there.

The Notre Dame Wellness Center is bringing the **Be Well Series** right to your department or college.

Introduced in 2013, the Be Well program offers free education sessions to faculty and staff on such wellness topics as smoking cessation, diabetes and more.

Until this February, sessions were held most Thursdays during the lunch hour at Rolfs Sports Rec Center. "People told us they wanted to attend but weren't able to make it over to Rolfs at the scheduled times. So we listened," says Notre Dame Wellness Center director **Kathy Trevillian**. "Now, we bring the sessions to you."

Dubbed "Be Well—On the Road," the program's new format

permits any campus department or college to request a presentation on any of the available topics, at any location, at any time. "Whether they want us to do a 10-minute session or an hour-long session, depending on the topic and how much time they want to give us, we're going to work around what their needs are," says Trevillian.

Presentations, which are free of charge, may either be scheduled separately or added to the agenda of a regular department or team meeting. Trevillian says presentations may be scheduled for any time of day, and notes that recent presentations have even been offered for night shift staff.

Departments considering a Be Well presentation might begin with a topic directly relevant to the department's activities. For example, "our physical therapist recently led some ergonomic training and stretching for one of the service departments on campus," Trevillian says. "The focus was to help them warm up before their shift, to lessen their likelihood of injury."



On the other hand, Trevillian notes, departments may request any topic of interest—and there are many to choose from. Depending on the topic chosen, presenters may include a physical therapist, a pharmacist, a wellness coach, a chronic condition management specialist, a physician from the Wellness Center or a specialist from another network providers.

The interactive presentations, which may include such activities as breathing exercises or demonstrations of proper lifting, usually end with a question-and-answer session. To allow for these activities, an ideal

audience size is between 10 and 30 participants—though presentations may be made to groups of any size from two to 200 or more.

Trevillian says the feedback on the new format has been positive, and the benefits are already apparent. Not only has attendance increased, "we are also seeing more people coming into the Wellness Center afterwards, making appointments and asking for more information," she says.

While increased awareness and utilization of the Wellness Center is one benefit, Trevillian is also happy to see a culture of wellness developing among colleagues and co-workers

in their own workplaces. "There's always a leader in every group," says Trevillian. "And if that leader can show others the benefits of being informed and aware of wellness issues, then that healthier workplace can be a more effective workplace."

For more information on presentation topics or scheduling a presentation for your office, see the list of topics on this page, or contact the Notre Dame Wellness Center at 634-WELL (9355).

Available 'Be Well' sessions

Be Well sessions are custom-length presentations on popular health and wellness topics by Notre Dame Wellness Center care providers or campus partners. To schedule a presentation at your department or college, contact the Notre Dame Wellness Center at 634-WELL (9355).

Hypertension

Hypertension, or high blood pressure, is a common condition in which the force of the blood against your artery walls is too high. Learn what causes hypertension and what health problems may result. Also learn why it's important to set blood pressure goals, and how to manage hypertension through lifestyle changes or medication options.

Maureen Jamieson, at right, with Wellness Center staffers Kathy Sult (at left) and Dawn Olmstead (center).



Diabetes Self-Management

Diabetes is a metabolic disease in which the body's inability to produce insulin causes elevated blood glucose. Untreated, diabetes can cause life-threatening complications. Learn what causes diabetes and what issues are caused by high blood glucose. Also learn about testing procedures, management by medication, and the importance of diet and exercise in both management and prevention.

healthy eating habits. Discuss nutritional facts and correct portion sizes, and get help in planning meals, identifying the cues that trigger an individual's urge to eat. Each participant will calculate his/her daily caloric needs.

Sleep Deprivation

Most adults need seven to nine hours of sleep a night. Getting too little sleep can cause memory problems, depression, a weaker immune system and increased perception of pain. This session will show the connection between sleep deprivation and these issues and other illnesses, and will also provide tips on how to get a good night's sleep.

Body Mechanics to Reduce Pain

Many of us spend upwards of eight hours a day sitting at our computer desks or carrying heavy objects. This session will look at the importance of good posture when standing or sitting, discuss how walking, lifting and carrying heavy items properly can prevent pain, and show you how and why you should set up your work

station properly according to your individual needs.

Stress Management and Living Mindfully

Stress can have a physically negative effect on the body and is often overlooked when evaluating wellbeing. This session will look at the short- and long-term effects of stress on our bodies. Learn the connection between stress and mindfulness, and how to practice mindfulness on a daily basis to reduce stress.

A program of the Notre Dame Wellness Center, in collaboration with the Office of Human Resources, Food Services, and the Office of Recreational Sports.

For more information about the Notre Dame Wellness Center, visit wellnesscenter.nd.edu.

Wellness Center services are available to all full-time benefit-eligible faculty and staff. Patient records are confidential as required by federal law—visit hr.nd.edu/benefits/NDWC/privacy for more.

Promising new antibiotic discovered by ND researchers

Weapon vital as pathogens evolve

BY GENE STOWE, FOR THE COLLEGE OF SCIENCE

Estimates of deaths from methicillin-resistant *Staphylococcus aureus* (MRSA) in the United States range upwards of 19,000 annually. Around 1960, when *Staphylococcus aureus* developed resistance to first-generation penicillin, methicillin and other second-generation beta-lactam antibiotics were adopted to fight the illness. The modern variants of the bacterium have developed resistance to the four drugs now used to treat it.

A team of researchers led by **Shahriar Mobashery** and **Mayland Chang** has discovered a promising new antibiotic, a vital weapon against disease as pathogens evolve to develop resistance to long-used drugs. The antibiotic proved effective in a mouse model infected with MRSA, a bacterium that emerged in hospitals in the 1960s and has spread to the larger population since the 1990s.

Mobashery and Chang adopted an unprecedented strategy in inhibiting the way the pathogen builds its cell wall. They conducted a rapid computational screening of 1.2 million drug-like compounds that might interfere with the process, then refined the filtering in stages until they

identified 118 lead compounds to test for antibacterial activity against a range of species.

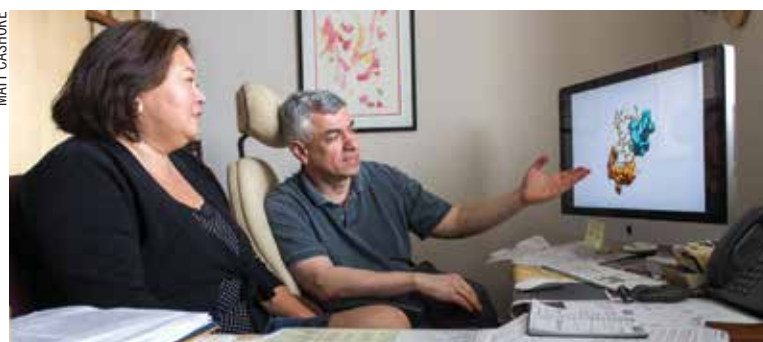
The lead quinazolinone compound that emerged from these efforts underwent additional rounds of synthesis and evaluation, producing the antibiotic, which exhibited activity in a mouse infection model.

The researchers said the discovery has implications beyond MRSA as pathogens continue to evolve resistance to existing drugs.

"Antibiotics are losing effectiveness," Mobashery says. "This means that infections cannot be treated effectively. Some infections by pathogens kill as many as 50 percent of the patients. But the problem goes way beyond this. We depend on antibiotics to a degree that often might not be intuitively obvious. Without antibiotics, we could not perform many medical treatments. One could not have a hip surgery, or an athlete could not have a knee repaired." Cancer treatment would be virtually nonexistent, and most elective surgeries and some essential ones could no longer be performed in the absence of antibiotics.

Mobashery says, "We assume that antibiotics will always be there, but this is not for certain."

The breakthrough was published in February in the *Journal of the American Chemical Society*.



MATT CASHORE

Chang and Mobashery



The Arts

at Notre Dame

For tickets to events at the DeBartolo Performing Arts Center, visit performingarts.nd.edu and create an account or log in to view faculty/staff discounted ticket prices, or contact the ticket office, 631-2800. Ticket prices listed are the faculty/staff rate.

THEATER

Cloud Tectonics

Department of Film, Television, and Theatre
Philbin Studio Theatre
Continues with performances at 7:30 p.m. Saturday, Feb. 28, and 2:30 p.m. Sunday, March 1; \$12
What if there are people born who don't have that inner clock—who don't progress through space and time the same way you do?

Romeo and Juliet

Shakespeare at Notre Dame
7 p.m. Thursday through Saturday, March 5 to 7; \$15
A special three-night-only run of the Notre Dame Shakespeare Festival's on-tour production of **Romeo and Juliet**. Directed by NDSF's Ryan Producing Artistic Director **Grant Mudge** and featuring actors from Chicago Shakes, Montana Shakespeare in the Park, the Utah Shakespeare Festival and many more, don't miss this chance to see the production before it embarks on a statewide tour.

Presenting Series: Click, Clack, Moo

11 a.m. and 2 p.m.
Saturday, March 7; \$10
Decio Theatre
Based on the Caldecott Honor Book about a farmer, his granddaughter, a computer and compromise. Best for ages 5+; 60 minutes; no intermission. ASL will be provided.
When Farmer Brown's granddaughter Jenny visits he declares the farm a "tech-free zone." Turns out, Jenny isn't the only one who misses her computer—cows do type and hens go on strike, leaving everyone between a rock and a hard place.

Presenting Series: Miss Nelson is Missing!

2 p.m. Saturday, March 21; \$10
Leighton Concert Hall
Room 207 is school's worst-behaved class, and when their loyal Miss Nelson isn't in school one day the substitute, Miss Viola Swamp, isn't so sweet! Best for ages 5+; 60 minutes with no intermission. ASL will be provided.
The search is on for Miss Nelson who seems to have gone missing. The final Theatreworks USA family musical of this season reminds us all to show appreciation to those that we value.

MUSIC

Presenting Series: Concert/Oratorio: Nathan Gunn, baritone

2 p.m. Sunday, March 1; \$36
SOLD OUT
Leighton Concert Hall
Sung in English.
Superstar baritone Nathan Gunn portrays the title role in Felix

Mendelssohn's dramatic and powerful oratorio *Elijah*, a story of powerful, warring personalities and miraculous events told through some of the most beautiful and sublime music of the 19th century.

Daniel Scholsberg and Amy Briggs Four-Hand Piano Recital

Department of Music
7 p.m. Thursday, March 5; free
Leighton Concert Hall
Program:
Mozart: Sonata for Piano Four-Hands in F Major, K. 497
David Rakowski: Selection of Etudes Conlon Nancarrow: Three studies for player piano, trans. for Four-Hands by Bugalo/Williams
Augusta Read Thomas: Starlight Ribbons for solo piano
Maurice Ravel: Rapsodie Espagnole (version for four-hands)

June H. Edwards Chamber III

South Bend Symphony Orchestra
2:30 p.m. Sunday, March 8; \$24
Leighton Concert Hall
This program opens with the rhythmic vitality of Villa-Lobos, followed by a solo performance by Notre Dame professor and cellist **Karen Buranskas**. Works by Ginastera and de Falla bring the June H. Edwards Chamber Series season to a close.

Bach's Lunch

Department of Music
12:10 p.m. Friday, March 20; free
Penote Performer's Hall
Bring a friend and join the Department of Music students in an enjoyable noontime concert.

Notre Dame Glee Club Spring Concert

Department of Music
8 p.m., Friday, March 20; \$6
Leighton Concert Hall
The program will include premiere performances of commissioned works by Augusta Read Thomas and Tim Takach. Also included will be sacred music that will be presented on the Glee Club's 2015 European tour and other works in various classical and popular genres. Family friendly, all ages are welcome.

Fleur de Lys, A Baroque Ensemble

Department of Music
7:30 p.m. Tuesday, March 24; \$12
Reyes Organ and Choral Hall
Baroque Kaleidoscope: The music of Bach, Handel and Telemann.
Performers: Danielle Svonavec, soprano; Tamara Albahari, baroque violin; **Korin Schilling**, baroque flute; Jason Gresl, recorder; Mary Anne Ballard, viola da gamba; **Darlene Catello**, harpsichord.

Presenting Series: 10th Anniversary Choral Celebration

7:30 p.m. Saturday, March 28; \$17
Leighton Concert Hall
This festival showcases Notre Dame's Chorale, Glee Club and Vocale performing eight commissioned works adding to the University's choral music legacy. All ticket holders are invited to a reception after the performance.

The Met Opera: Live in HD: La Donne Del Lago

1 p.m. Saturday, March 14; \$23
1 p.m. Saturday, March 21 (ENCORE)
Browning Cinema
Bel canto superstars Joyce DiDonato and Juan Diego Flórez join forces for this Rossini showcase of vocal virtuosity, set in the medieval Scottish highlands and based on a beloved novel by Sir Walter Scott. DiDonato is the "lady of the lake" of the title, and Flórez is the king who relentlessly pursues her, their vocal fireworks embellishing the romantic plot in this Met premiere production conducted by Michele Mariotti. 210 minutes.

FILMS

Song of the Sea (2014)

New at the Browning
Academy Award Nominee—Best Animated Feature Film
6:30 p.m. Friday, Feb. 27; 3 p.m. and 6:30 p.m. Saturday, Feb. 28; 3 p.m. Sunday, March 1; \$6/\$4 for children of all ages
Rated PG, 93 minutes
From the creators of *The Secret of Kells* comes a breathtakingly gorgeous, hand-drawn masterpiece. Based on the Irish legend of the Selkies, *Song of the Sea* tells the story of the last seal-child, Saoirse, and her brother Ben, who go on an epic journey to save the world of magic and discover the secrets of their past.

A Girl Walks Home Alone at Night (2014)

New at the Browning
Persian with English subtitles
9 p.m. Friday, Feb. 27; and 9 p.m. Saturday, Feb. 28; \$6
The first Iranian Vampire Western ever made, Ana Lily Amirpour's debut basks in the sheer pleasure of pulp. A joyful mash-up of genre, archetype and iconography, its prolific influences span spaghetti westerns, graphic novels, horror films and the Iranian New Wave.

Aguirre: The Wrath of God (1972)

Classics at the Browning
German, Quechua and Spanish with English subtitles
8 p.m. Tuesday, March 3; \$6
The first of director Werner Herzog's celebrated collaborations with Klaus Kinski follows the pursuit of the mythical El Dorado in Peru by Spanish conquistadors.

Fitzcarraldo (1982)

Classics at the Browning
7 p.m. Wednesday, March 4; \$6
Directed by Werner Herzog
German, Spanish and Italian with English subtitles
Klaus Kinski stars as Brian Fitzgerald, an Irish expatriate living in Peru who dreams of building an opera house in his village. Seeking to profit from the rubber industry, Fitzgerald arranges to move a giant steamship over a mountain to access a remote area of the Amazon rather than risk the boat's destruction in the rapids, a stunning feat carried about by Herzog's crew during production of the film.

Winter Sleep (2014)

New at the Browning
Turkish with English subtitles
7 p.m. Thursday, March 5; \$6
Aydin, a former actor, runs a small hotel in central Anatolia with his young wife Nihal, with whom he has a stormy relationship, and his sister Necla who is suffering from her recent divorce. In winter as the snow begins to fall, the hotel turns into a shelter but also an inescapable place that fuels their animosities.

Rosewater (2014)

New at the Browning
7 p.m. Friday, March 6; 3 p.m. and 7 p.m. Saturday, March 7; 3 p.m. Sunday, March 8; \$6
In June 2009, Tehran-born journalist Maziar Bahari returned to Iran to interview Mir-Hossein Mousavi, challenger to president Mahmoud Ahmadinejad in the nation's closely watched elections. As Mousavi's supporters protested Ahmadinejad's victory, Bahari sent footage of the street riots to the BBC. Arrested by police, Bahari was tortured and interrogated over the next 118 days by a man identifying himself as "Rosewater." Jon Stewart's (*The Daily Show*) directorial debut follows the international campaign led by Bahari's wife to secure her husband's release.

High Hopes (1988)

Classics at the Browning
8 p.m. Tuesday, March 17; \$6
A modern classic from British master Mike Leigh ("*Mr. Turner*," "*Secrets and Lies*"), *High Hopes* presents a ground-level romp through Thatcher's Britain as witnessed by the residents of a King's Cross neighborhood in the throes of gentrification. At the center are a leftist thirty-something motorcycle messenger and his longtime companion who confront their qualms about the world, which have kept them from starting a family.

Sewing Hope (2013)

New at the Browning
6:30 p.m. and 8:30 p.m. Wednesday, March 18; free but ticketed
For 25 years, Joseph Kony and his infamous Lord's Resistance Army terrorized Northern Uganda. Children

were stolen from their families and young girls were degraded by serving as sex slaves for Kony and his officers in the field. The gunfire has ceased, but one battle still remains—restoring dignity and a future to the children of Uganda. Sister Rosemary Nyirumbe leads a vocational school in Gulu, Uganda, where she uses practical skills to restore dignity, independence and hope to formerly abducted women. Sister Rosemary Nyirumbe is scheduled to appear in person.

The Kingdom of Dreams and Madness (2014)

Asian Film Series
Japanese with English subtitles
7 p.m. Thursday, March 19; \$6
Granted near-unfettered access to the notoriously insular Studio Ghibli, director Mami Sunada follows the three men who are the lifeblood of Ghibli—the eminent director Hayao Miyazaki, the producer Toshio Suzuki and the elusive and influential "other director" Isao Takahata—over the course of a year as the studio rushes to complete two films, Miyazaki's "*The Wind Rises*" and Takahata's "*The Tale of The Princess Kaguya*." The result is a rare "fly on the wall" glimpse of the inner workings of one of the world's most celebrated animation studios, and an insight into the dreams, passion and singular dedication of these remarkable creators.

Selma (2014)

Academy Award Nominee—Best Picture, Best Song
Africana Film Series
6:30 p.m. and 9:30 p.m. Friday, March 20; 6:30 p.m. and 9:30 p.m. Saturday, March 21; 3 p.m. Sunday, March 22; \$6
Chronicling the tumultuous three-month period in 1965 when Martin Luther King Jr. (David Oyelowo) led a dangerous campaign to secure equal voting rights in the face of violent opposition, *Selma* captures the epic march across Alabama which culminated in President Johnson (Tom Wilkinson) signing the Voting Rights Act of 1965, one of the most significant victories for the civil rights movement.

Killer of Sheep (1977)

Africana Film Series
8 p.m. Tuesday, March 24; \$6
A masterpiece of African-American filmmaking and one of the finest debuts in cinema history, beautifully restored by the UCLA Film and Television Archive, *Killer of Sheep* was selected for the National Film Registry of the Library of Congress and named one of the 100 Essential Films by the National Society of Film Critics. In the Los Angeles community of Watts, Stan, a sensitive dreamer, is growing detached and numb from the toll of working at a slaughterhouse. Frustrated by money problems, he finds

respite in moments of simple beauty: the warmth of a teacup against his cheek, slow dancing with his wife, holding his daughter.

Timbuktu (2014)

Academy Award Nominee—
Best Foreign Language Film
Africana Film Series
7 p.m. Thursday, March 26; \$6
English, Arabic, Bambara,
French, Songhay and Tamasheq
with English subtitles
Not far from Timbuktu, Kidane lives peacefully in the dunes with his family. In town, people suffer under the regime of terror imposed by Jihadists determined to control their faith. Kidane is spared this hardship until he accidentally kills a fisherman who slaughtered his beloved cow and must face the new laws of the foreign occupants.

Rockin' the Wall (2010)

New at the Browning
3 p.m. Sunday, March 29;
free but ticketed
Rockin' the Wall is the compelling story of rock 'n' roll's part in bringing down the Berlin Wall and smashing the Iron Curtain. Told from the perspective of rockers who played at the time, on both sides of the Wall, and from survivors of the communist regimes who recalled the lifeline that rock music provided them. Writer/producer Larry Schweikart is scheduled to appear in person.

Dazed and Confused (1993)

Classics at the Browning
8 p.m. Tuesday, March 31; \$6
On the last day of school in 1976, Randall "Pink" Floyd (Jason London) is pressured by his football coach to sign his "no drugs" pledge to the team. But a wild night of hazing, shooting pool, mailboxing and partying in the woods might change his plans. A "Who's Who" of future Gen-X stars populate Richard Linklater's wonderfully meandering portrait of teen life featuring the ultimate classic rock soundtrack.

Arts

IN THE SPOTLIGHT



Presenting Series: Academy of St. Martin with Jeremy Denk

2 p.m. Sunday, March 22; \$46

Leighton Concert Hall

Pianist Jeremy Denk joins the brilliant ensemble, now under the direction of Joshua Bell, for two J.S. Bach keyboard concerti. Both the Academy of St. Martin in the Fields and Denk make their third appearance on the Presenting Series, this time together. After five decades as England's elite ensemble under the leadership of Sir Neville Marriner, Indiana native and violin superstar Bell succeeded Marriner as music director in 2011. As a MacArthur Foundation "Genius" grant recipient and 2014 Musical America Instrumentalist of the Year, Denk adds deeply intelligent and expressive talents to his brilliant performances.

TED Conference Live

Live Broadcast from Vancouver, British Columbia

6 p.m. Tuesday, March 17; free
Decio Theatre

Join your colleagues and friends (6-9 p.m.) for a simulcast (on a large screen) of the annual TED Conference where TED Talks were created. Each year, the world's leading thinkers and doers gather for the TED conference, which many describe as the highlight of their year. The theme for TED2015 is "Truth and Dare." Great TED Talks give you a new lens on the world as it is and offer new possibilities for the world as it might be. TED2015 is on a quest to magnify both facets. See conferences.ted.com/TED2015 for more information.

At the Snite Museum of Art

**Hour by Hour:
Reconstructing a Medieval
Breton Prayer Book**

BY CAROL C. BRADLEY, NDWORKS

Leaves from a rare 15th-century Breton Book of Hours—the personal prayer book of a medieval lady in Brittany's diocese of Vannes, in western France, circa 1450—will be



Gura

on display at in the Snite Museum of Art's O'Shaughnessy Galleries I and II through Sunday, March 15.

The exhibition takes place in conjunction with the annual meeting of the Medieval Academy of America, being held at the University Thursday through Saturday, March 12 to 14 (medieval.nd.edu).

David Gura, curator of ancient and medieval manuscripts in the Hesburgh Libraries' Department of Special Collections, has spent several years collecting individual leaves of the book—which his research showed had been sold for a modest sum at a Sotheby's auction in London in 2011, and met the grim fate of being "broken," cut apart into individual leaves and sold piecemeal.

It's an all-too-common fate for such manuscripts, making money for the seller but destroying the book's historical and research value, Gura notes.

Gura has undertaken the heroic task reconstructing the manuscript from individual pages. To date, 91 of the 129 pages of the book have been acquired by the University, from collectors in the U.S. and around the world.

The exhibition includes 35 example pages from the illuminated manuscript, offering visitors an opportunity to view the exquisite painted leaves and the unusual Breton hagiography. New information on contemporary devotional practices and recent scientific analysis, is included as well.

For more information, visit sniteartmuseum.nd.edu.



Above left, a miniature of the Nativity from the personal Book of Hours of a medieval Breton lady. At right, a calendar page for the month of July.

PHOTOS BY MATT CASHORE

Pink Zone



The Notre Dame Women's Basketball annual Pink Zone game took place Sunday, Feb. 1, with ND winning over Wake Forest 92-63. The Pink Zone initiative has raised more than \$750,000 over the past six years.



Top: Coach Muffet McGraw; clockwise from right, College of Science Assistant Dean Earl Carter presents a commemorative jersey to Lynn Larkin Flanagan after her keynote address at the Pink Zone Brunch; Ruth Riley, alumna and former basketball student-athlete rides the Spin-a-Thon bike at the game; cancer survivors are honored at halftime; Micki Miller sings at halftime.