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ND Works

SEPTEMBER 2017

News for Notre Dame faculty and staff and their families

MATT CASHORE



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Laneman



Morrell

NEWS BRIEFS

PEOPLE

ADDO TO LEAD LONDON GLOBAL GATEWAY LAW PROGRAM

Notre Dame Law School has selected **Michael K. Addo** to be director of the London Global Gateway Law Program. Addo comes to Notre Dame from the University of Exeter as an international law and human rights specialist with more than 25 years of experience in research, teaching and policy advice.

Originally from Ghana, Addo earned a bachelor of laws degree with honors at the University of Ghana and a graduate diploma in legal practice at Ghana Law School. He holds a diploma in international human rights law from the International Institute of Human Rights at the University of Strasbourg, France, and obtained master of law and doctoral degrees at the University of Essex in England.

LANEMAN RECEIVES IEEE TOMIYASU AWARD

The Institute of Electrical and Electronics Engineers (IEEE) has named **J. Nicholas Laneman**, professor of electrical engineering, the recipient of the 2018 Kiyo Tomiyasu Award. The Tomiyasu Award honors outstanding contributions toward “technologies holding the promise of innovative applications” made by researchers in early to mid-career. Laneman is being cited for his “contributions to wireless network communication theory, algorithms and architectures.”

Laneman, who also serves as co-director of Notre Dame’s Wireless Institute, joined the University in 2002. His research uses tools from information theory and signal processing, as well as prototyping and experimental validation, to develop new methods for communication system engineering, including cooperative communications, dynamic spectrum monitoring and access, cognitive radio and information security.

MORRELL APPOINTED DIRECTOR OF CENTER FOR LITERACY EDUCATION

Ernest Morrell — expert in critical educational theory, social

movement theory, English education and African diaspora popular culture — has been appointed Coyle Professor in Literacy Education and inaugural director of the Center for Literacy Education in the University’s Institute for Educational Initiatives. He will join the faculty in fall 2017, holding joint appointments in the Department of English and the Department of Africana Studies.

The new Center for Literacy Education will foster collaboration between the institute’s English education faculty and the College of Arts and Letters with a goal to transform literacy scholarship and practice in today’s urban and multicultural urban schools.

Morrell was most recently the Macy Professor of English Education at Columbia University’s Teachers College and was the director of Columbia’s Institute for Urban and Minority Education (IUME).

He is the author of several books, including “Critical Media Pedagogy: Teaching for Achievement in City Schools,” which won Choice Magazine’s Outstanding Academic Title Award in 2014.

CAMPUS NEWS

SACRED MUSIC PROGRAM AWARDED \$1.6 MILLION LILLY GRANT

The University has received a \$1.6 million grant from Lilly Endowment Inc. to support the Sacred Music at Notre Dame (SMND) program and its transformative work with graduate students and the community.

This is the program’s second grant from the Lilly Endowment, a private, philanthropic foundation that supports the causes of religion, education and community development. The first, a \$1.9 million grant in 2012, helped launch SMND. Since then, graduate students in the Master of Sacred Music and Doctor of Musical Arts programs working through SMND have expanded outreach efforts to churches across northern Indiana, including through the Notre Dame Children’s Choir.

With the first Lilly Endowment grant, the program also launched the Notre Dame Children’s Choir. Since that time, the initiative — now called the Sacred Music Academy — has grown from 20 children to more than 300 in multiple choirs, some of which tour and record their music. An album commissioned by the Notre Dame Children’s Choir debuted at No. 1 on Billboard’s traditional classical albums chart in 2016.

FALL 2017 TOWN HALL MEETINGS

All Notre Dame staff members are invited to their division’s Town Hall. Please attend the session for your division if possible.

Wednesday, Sept. 27

11 a.m. to noon

Washington Hall
Investments, Development, Alumni Association, Public Affairs and Communications, colleges, schools, institutes, centers, Office of the Provost and other units reporting to the Provost’s Office

Wednesday, Sept. 27

2 to 3 p.m.

Washington Hall
Athletics, Audit, Auxiliary Operations, Facilities Design and Operations, Finance, General Counsel, Office of Strategic Planning and Institutional Research, President’s Office and Student Affairs

Wednesday, Sept. 27

10 to 11 p.m.

McKenna Hall Auditorium
Auxiliary Operations, Campus Safety, Campus Services and Facilities Design and Operations

Thursday, Sept. 28

1 to 2 p.m.

Washington Hall
Campus Safety, Campus Services, Human Resources and OIT



Affleck-Graves



2017 FIGHTING IRISH FIGHTING HUNGER FOOD DRIVE NEEDS YOUR HELP

The 2017 Fighting Irish Fighting Hunger Food Drive will be held Monday, Sept. 4, through Saturday, Sept. 30. The effort raises money and collects food for the one in five people in our community who don’t have enough to eat. Donations are split between the Food Bank of Northern Indiana and the United Way’s coalition of food pantries, People Gotta Eat.

The drive is run by volunteers in offices and departments across campus who get the word out about the event, collect donations and run local events as time permits. If you would like to be part of this amazing and rewarding effort or if you have questions, please contact Anne Kolaczyk (akolaczyk@nd.edu). For information about past drives, see fightinghunger.nd.edu.

CONTACT US @

Comments or questions regarding NDWorks? Contact NDWorks managing editor Carol C. Bradley, 631-0445 (bradley.7@nd.edu) or Cidni Sanders, editor and program director for Internal Communications, 631-7031 (csander6@nd.edu). For questions regarding The Week @ ND or the University calendar, contact electronic media coordinator Jennifer Laiber, 631-4753 (laiber.1@nd.edu). NDWorks is published 11 times per year. 2017-2018 publication dates are July 13, Aug. 17, Sept. 28, Oct. 26, Nov. 30, Jan. 11, Feb. 22, March 22, April 26 and May 24.

Kicks & Flicks Week

New facilities launch with a pair of free events

BY SUE LISTER, MEDIA RELATIONS

The University will publicly unveil the largest construction project in its 175-year history with a pair of events during Kicks & Flicks Week Aug. 20-25. From a football scrimmage and tours of new facilities to a movie on the video board, fans of all ages are invited to experience the enhanced amenities in and around Notre Dame Stadium during these events.

On Sunday, Aug. 20, the New & Gold Game will feature a simulation of a game day experience including a Fighting Irish scrimmage, a performance by the Notre Dame Marching Band and participation from the Notre Dame cheerleaders. Self-guided tours of portions of Duncan Student Center (the building located on the west side of the stadium), Corbett Family Hall (the east building), and O'Neill Hall (the south building) will also be available for fans to see some of the University's newest spaces.

Tours will be held from 2 to 6 p.m. and offered on a first-come, first-served basis. Guests wishing to tour Duncan Student Center should line up at Door 14 on the south side exterior of the building. Guests who are already in the stadium can also participate in the Duncan Student Center tours by lining up on the



Notre Dame Stadium

first floor of concourse near sections 28-31. Elevators will take guests to the Dahnke Ballroom on the seventh floor and the Rasmus Family Club on the eighth floor where they can view the premium seats and views of campus.

Tours of Corbett Family Hall will begin on the south side exterior of the building at Door 4. There will be no stadium concourse access for tours of Corbett Family Hall. Elevators will

take guests to the Downes Club on the seventh floor and Level 8. Tours of O'Neill Hall will begin on the upper concourse (fourth floor) on the south side of the stadium underneath the video board. Guests will be able to view South Club.

Attendees at the New & Gold Game will also have the opportunity to experience the latest Notre Dame Stadium enhancements including new and wider seating throughout

the bowl; the addition of a Diamond Vision high-definition video board and sideline ribbon video boards; upgraded concession stands and restroom facilities; a 1930s art deco look added to the main concourse; the addition of nearly 150 television monitors throughout the concourse; new historical displays at Gate C honoring Irish football standouts; and improved cellular and Wi-Fi coverage.

Food will be available for purchase at some stadium concession stands. Gates will open at 2 p.m., and the scrimmage will begin at 3:30 p.m. Seating in the stadium bowl will be general admission. Tailgating is prohibited prior to and during the New & Gold Game.

On Friday, Aug. 25, Notre Dame will welcome students back to campus and open the stadium again to visitors for Flick on the Field, an open house event featuring a showing of "Rudy" on the new video board.

Prior to the movie, fans will be entertained by music and can make purchases at some of the stadium concessions stands. Students from Notre Dame, Saint Mary's College and Holy Cross College will be allowed to sit on the football field to watch the movie. Students are permitted to bring blankets on the field, but food and drinks on the field are prohibited. Other attendees may sit in the stadium bowl and seating will be general admission.

Gates will open at 6 p.m. Guests should use Gates B and E for general admission seating, and students must enter the stadium via the tunnel entrance (across from Hesburgh Library) for access to the field. The movie will begin at 7:30 p.m. Both events are free, open to the public and will be held rain or shine. The University's stadium bag policy and other game day policies will be in place for these events. For more information, visit gameday.nd.edu.

You're invited!

Reclaiming Our Nature

The opening of the Charles B. Hayes Family Sculpture Park
Friday, Aug. 25, 6-8 p.m.
Free and open to the public

Celebrate with the Friends of the Snite Museum of Art as we "Reclaim Our Nature" at the Charles B. Hayes Family Sculpture Park. The first 100 guests will be invited to plant plugs of little bluestem grass into the new gardens and will receive souvenir T-shirts.

Ice cream and frozen treat carts will be available, compliments of the Friends of the Snite Museum of Art and VisitSouthBend.com.

Sarah Longenecker, county conservationist for the St. Joseph County Soil and Water Conservation District, will give an informal talk at 6:30 p.m.

This celebration is sponsored by the Friends of the Snite Museum of Art, VisitSouthBend.com and the City of South Bend's office of Venues Parks and Art.

For more information, visit sniteartmuseum.nd.edu.

Charles B. Hayes Family Sculpture Park opens

The Snite Museum of Art's Charles B. Hayes Family Sculpture Park, designed by noted American landscape architect Michael Van Valkenburgh, opens to the public on Friday, Aug. 25. The eight-acre site features 12 sculptures by important national and international artists, including George Rickey, Richard Hunt and Deborah Butterfield.

The park faces Angela Boulevard and is located between North Eddy Street and Joyce Drive, between the DeBartolo Performing Arts Center's Irish Green and the Compton Family Ice Arena. The park, which has lighted pathways and sculptures, may be accessed 24 hours a day, year-round.

The title of the inaugural exhibition is "Reclaiming Our Nature." The site was previously a landfill, and the current water element, prairie grass and indigenous shrubs and trees suggest what the land might have looked like before the University was founded 175 years ago.

The new park is part of a fine arts district the University is creating at the south entrance to campus. The DeBartolo Performing Arts Center and Charles B. Hayes Family Sculpture Park are in place and in close proximity. Presently under construction is the adjacent Walsh Family Hall of Architecture. Future construction plans include a new art museum and (longer term) a new building for the Department of Art, Art History and Design.



See photos of the Charles B. Hayes Family Sculpture Park on pages 23 and 24.

CAMPUS CONSTRUCTION UPDATE

New construction and renovations bring Notre Dame one step closer to its vision



The living roof covering nearly all of the flat roof surfaces of O'Neill Hall, Duncan Student Center and Corbett Family Halls will reduce heating and cooling energy loads. The largest in the state of Indiana, the green roofs will provide insulation, mitigate storm water run-off, improve air quality, reduce noise, conserve rainwater and release it back into the atmosphere.

MARISSA GEBHARD, OFFICE OF EXECUTIVE VICE PRESIDENT

In his inaugural address on September 22, 2005, **Rev. John I. Jenkins, C.S.C.**, inspired the Notre Dame community to embrace the mission of the University and to build a Notre Dame that is “a great Catholic university for the 21st century, one of the pre-eminent research institutions in the world, a center for learning whose intellectual and religious traditions converge to make it a healing, unifying, enlightening force for a world deeply in need.”

Steadily, Notre Dame is making progress towards becoming a pre-eminent research institution, and that requires creating world-class programs of study and research. By identifying key areas where Notre Dame can be an international leader and then strategically allocating resources, many departments across the University have been able to attract some of the best faculty in their fields. Some departments have grown by 10 or more faculty over the last few years while the new Keough School of Global Affairs and other

entirely new departments have formed across the University and are doing exceptionally well at recruiting faculty and graduate students.

Through the support of many generous benefactors, the University is completing eight facilities with a total of 1.4 million square feet of research, classroom, residence and student life space. Faculty and graduate students began to move in to Jenkins Hall and Nanovic Hall in July, and faculty, staff and graduate students will fill Duncan Student Center, O'Neill Hall, and Corbett Family Hall from July 2017 to May 2018. When students arrive on campus, they will begin to experience the new North Dining Hall, and young women will move in to Walsh Hall. In January 2018, faculty, students and entrepreneurs will begin to utilize the Quinn Hall for Innovation and Change.

Because of detailed planning and design in collaboration with leaders across campus, Notre Dame faculty, staff, graduate students and undergraduate students will be able to teach, research and collaborate more effectively than ever before.

Who is moving and when?

BUILDING	DEPARTMENT	TIME FRAME
Jenkins Hall	Keough School of Global Affairs: Ansari Institute for Global Engagement with Religion, the Center for Civil and Human Rights, the Notre Dame Initiative for Global Development, the Kellogg Institute for International Studies, the Keough-Naughton Institute for Irish Studies, the Kroc Institute for International Peace Studies, the Liu Institute for Asia and Asian Studies and the McKenna Center for Human Development and Global Business.	July and August 2017
Nanovic Hall	Departments of Economics, Political Science, and Sociology, and their affiliated centers and programs, and the Nanovic Institute for European Studies	July and August 2017
Duncan Student Center	VenueND, lower level	August 2017
	Operations center, lower level	August 2017
	Modern Market, Star Ginger Asian Grill and the Hagerty Family Café featuring Intelligensia Coffee; several study spaces and collaboration areas including an Innovation Lounge, floor 1	January 2018
	Offices of Residential Life and Housing, Office of Graduate Student Life, and Student Media, floor 2	January 2018
	RecSports at the Smith Center for Recreational Sports, floors 3 and 4	January 2018
	The Career Center, Graduate Career Services and Graduate Business Career Services, floor 5	January 2018
O'Neill Hall	Department of Music and Sacred Music at Notre Dame, floors 1, 2, 3, 5 and 6	January 2018
Corbett Family Hall	ND Studios at the Rex and Alice A. Martin Media Center, floor 1	July and August 2017
	Department of Anthropology, floor 2	January 2018
	Department of Psychology, floors 3, 4 and 5	After Commencement, May 2018
Matthew and Joyce Walsh Family Hall of Architecture	School of Architecture	January 2019

CAMPUS CONSTRUCTION UPDATE

Duncan Student Center, O'Neill Hall and Corbett Family Hall

MARISSA GEBHARD, OFFICE OF EXECUTIVE VICE PRESIDENT

With a total of 800,000 square feet, Duncan Student Center, O'Neill Hall and Corbett Family Hall, each surrounding Notre Dame Stadium, were designed to provide unique spaces to strengthen Notre Dame's ability to be a force for good in the world. The significant expansion for many departments and centers and the installation of state-of-the-art equipment will elevate teaching, research and student life to be consistent with the University's vision.

Corbett Family Hall

Through detailed planning and thoughtful design, faculty, graduate students, and staff from single departments who were previously spread out over campus will be together to cultivate rich, collaborative discussions that will lead to new ideas for approaching research. For the Department of Psychology that will move into the 289,000 square foot Corbett Family Hall, the increased departmental space will allow 33 percent more sleep-study research, in addition to other research projects that will run simultaneously.

For the Department of Anthropology, which is well-known for its interdisciplinary and integrative approaches, the proximity of labs, faculty offices, classrooms and student spaces will bring many synergies. "As an archaeologist, I'm really engaged

with the effect that space has on people. This move will have an impact in ways we can't even imagine now," said **Mark Schurr**, the acting chair of the Department of Anthropology.

Duncan Student Center

The University continually seeks to educate students in mind, body and spirit. Through many spaces in the Duncan Student Center, students will not only be able to scale a climbing wall and run on an indoor track, but they will also be able to cultivate their talents and prepare for diverse careers and leadership positions they will hold over the rest of their lives. The Career Center will offer increased opportunities for discernment and career development, 40 interview rooms, training and conference areas, evening study space and increased space for Graduate Student Career Services as well. Recruiters will also benefit with designated workspace for visiting employers and closer parking.

On the second floor of Duncan Student Center, the Student Media suite will offer a media laboratory atmosphere with newsrooms and radio studios visible through clear glass as well as an open television studio. All Student Media, such as NDTV, The Voice of the Fighting Irish and WSND, the Dome Yearbook, Scholastic Magazine and the Juggler will relocate in January.

The Smith Center for Recreational Sports on the third and fourth floor will offer triple the amount of fitness

space currently available in Rolfs Sports Recreation Center. With a variety and diversity of new equipment, RecSports will broaden fitness programming. The three-story Eldorado Climbing Wall, which will span the second, third, and fourth floors will be surrounded on the third floor by a 1/6 mile suspended indoor track that will give the campus community spectacular views of campus. A basketball court on the second floor will be a busy place as well.

O'Neill Hall

The new spaces in O'Neill Hall will truly be transformative for the Department of Music and the Sacred Music at Notre Dame. Faculty will educate and train students in new classrooms, seminar rooms and rehearsal rooms, such as the Michuda Family Rehearsal Hall. The department and program will be able to access the music library easily throughout the day as it moves from the Hesburgh Library to O'Neill Hall. Students will experience some of the best performance spaces at the LaBar Family Recital Hall and the LaBar Family Performance Hall.

Margot Fassler, director of Sacred Music at Notre Dame, said, "A well-equipped space was the missing piece in our program, and this building provides exactly what we need."

Notre Dame Stadium

Visitors to campus will experience Notre Dame Stadium in a new way through many hospitality spaces.

FAQs

- **What are some of the largest spaces that I can reserve for my department?** The Dahnke Ballroom is the largest space; it has a capacity of 900 people for a reception or up to 580 for a plated meal. The Downes Club on the seventh floor of Corbett Family Hall is also a stunning space and can hold a reception for 450 people, or a plated meal for 300 people.
- **How do I reserve space?** Faculty, staff, and the public are encouraged to contact VenueND at 631-1400. Recognized student clubs and organizations will reserve space through SAO360, similar to the way LaFortune spaces are reserved.
- **When will faculty, staff, spouses, students, and retirees be able to work out at the Smith Center for Recreational Sports?** Using the new Irish1Card, the campus community will be able to access the new facility when it opens in January.

Many football fans will enter through the grand entrance that has been re-imagined at the Frank Leahy Gate and will walk past the original 1930 Notre Dame Stadium dedication plaque.

A new 56- by 94-foot scoreboard over the south side of the stadium will allow fans to see live game action, replays, and learn more about the diverse accomplishments of our faculty, staff and students. Throughout the concourse, 149 video monitors will feature a combination of tradition and innovation, and 92 oversized displays of historical game

covers and tickets will tell the story of Notre Dame football, alongside new concession stands in the Art Deco theme.

Fans will participate in single-stream recycling for all food and beverage containers, and through the efforts of Notre Dame Public Affairs, the Office of Sustainability, Cultivate Culinary School and Catering, and Levy Restaurants concessions, food waste in the stadium will be reduced by donating extra food at the end of the game to area nonprofit organizations.



Clockwise from top left, O'Neill Hall, home to the Department of Music and Sacred Music at Notre Dame. The building features two 2,200-square-foot halls for rehearsals (the Michuda Family Rehearsal Hall) and concert performances (the LaBar Family Recital Hall and LaBar Family Performance Hall) as well as a music library, a lab for studio production, a lecture hall, classrooms and seminar rooms, rehearsal rooms, practice spaces, four organ practice rooms and faculty offices; top center, the 500-seat Dahnke Ballroom, pictured under construction in the Duncan Student Center; the LaBar Family Performance Hall in O'Neill Hall; center right, as part of the University's commitment to sustainability, Duncan Student Center also features the largest green roof in Indiana; bottom right and left, Notre Dame Studios. Through control rooms like this one located in the Rex and Alice A. Martin Media Center, Notre Dame Studios produces a wide range of multimedia. Notre Dame Studios' new 18,000-square-foot, cutting-edge production facility provides services for academic, athletic, cultural and faith-based campus programs and events; center left, the climbing wall in Duncan Student Center during construction.



CAMPUS CONSTRUCTION UPDATE



MATT CASHORE

Jenkins Hall, left side of building, is home to eight centers and institutes that are part of the Keough School of Global Affairs. The Nanovic Institute, which is part of the Keough School, is located in the adjacent Nanovic Hall.

With 92,750 square feet, Nanovic Hall is adjacent to Jenkins Hall and is home to the departments of political science, economics and sociology.

Jenkins Hall and Nanovic Hall: Two buildings under one roof

BY RENÉE LAREAU, KEOUGH SCHOOL OF GLOBAL AFFAIRS

Over the summer, the faculty and staff of the Keough School of Global Affairs moved into their new home in Jenkins Hall. Located on Notre Dame Avenue, south of the Hesburgh Center for International Studies, Jenkins Hall is conjoined with the newly completed Nanovic Hall. Together, the two four-story buildings occupy 185,500 square feet and share a central space called the Forum.

Jenkins Hall includes faculty and staff offices, an integrative lab for teams of students, All Saint's Chapel, and multi-faith prayer room.

"The new home of the Keough School of Global Affairs is a truly magnificent space," said **Scott Appleby**, the Marilyn Keough Dean of the Keough School. "Created through the generosity of our benefactor, Donald R. Keough, Jenkins Hall will

become the home to generations of students preparing to transform the world into a more humane, healthy and prosperous place for all people. Jenkins Hall is equipped with state-of-the-art global communications technology, which will help to bring the world to Notre Dame."

The Ansari Institute for Global Engagement with Religion, the Center for Civil and Human Rights, the Kellogg Institute for International Studies, the Keough-Naughton Institute for Irish Studies, the Kroc Institute for International Peace Studies, the Liu Institute for Asia & Asian Studies, the Notre Dame Initiative for Global Development, the Nanovic Institute for European Studies and the McKenna Center for Human Development and Global Business are all part of the Keough School of Global Affairs.

Nanovic Hall brings social sciences students and faculty together

BY CARRIE GATES, COLLEGE OF ARTS AND LETTERS

For Notre Dame sociologist **Sarah Mustillo**, one of the key lessons of the social sciences is that we teach and learn best when we are connected.

Nowhere is that lesson better applied than in Nanovic Hall — the state-of-the-art new home to the Departments of Economics, Political Science, and Sociology, their affiliated centers and programs, and the Nanovic Institute for European Studies.

Nanovic Hall includes laboratory and research spaces, classrooms and offices, all designed to encourage interaction between faculty, undergraduates and graduate students.

"This building represents an unprecedented commitment by Notre Dame to the social sciences in resources and also in vision," said Mustillo, professor and chair of sociology. "Prior to our move, faculty were spread out all over campus. Now, we are all in one building, on one floor together with our graduate students and post-docs, which will

foster a deeper intellectual environment."

Supported by a leadership gift from Robert and Elizabeth Nanovic, construction began on the 92,750-square-foot building in June 2015, and was fully occupied in July 2017. It features a soaring, three-story forum to be used for events, the latest video conferencing technology in each of the departmental suites, and a formal Mediation Room modeled after the United Nations that has translation capabilities for up to three languages.

The facility is designed to accommodate the tremendous recent growth in the social sciences — economics and political science are now two of the largest undergraduate majors on campus.

The three departments housed there have hired more than 20 faculty in the last three years, many of whom are also affiliated with the Nanovic Institute and the Keough School of Global Affairs and international institutes housed in the adjoining Jenkins Hall.

"Perhaps the biggest winners from this new space are our undergradu-

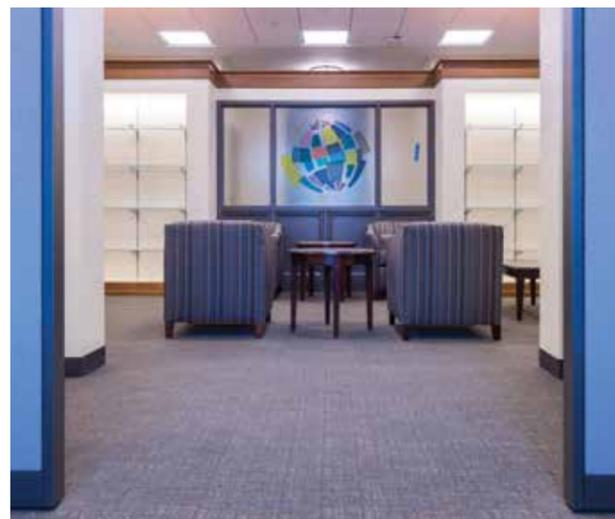
ates, who will inevitably gain greater exposure to a multidisciplinary approach to addressing social issues," said **James Sullivan**, the Rev. Thomas J. McDonagh, C.S.C., Associate Professor of Economics and co-founder of the Wilson Sheehan Lab for Economic Opportunities (LEO).

Sullivan has already seen the success of this approach in his work at LEO, which also moved to Nanovic Hall this summer. LEO evaluates the impact of anti-poverty initiatives and has grown from three employees to a staff of nine, in addition to almost 20 faculty affiliates and a team of undergraduate research assistants.

"Our undergraduates all use the tools from their respective disciplines to work together and design evaluations," Sullivan said. "Among the most rewarding aspects of their work is what they learn from each other. This sort of collaborative learning truly enhances the undergraduate experience."



PHOTOS: BARBARA JOHNSTON



Left, the Forum (ceiling pictured), a shared space between Jenkins Hall and Nanovic Hall, is the architectural and academic centerpiece, designed to be a hub for intellectual and professional exchange among students, faculty, staff, public officials, diplomats, executives and visiting people of many cultures and backgrounds. Center, the lower level of Jenkins Hall includes a range of innovative teaching and learning spaces, including several classrooms, flexible theory-to-practice "Integration Lab" spaces for teams of various sizes, and the Mediation Room, a U.N.-inspired space surrounded by observation rooms. Right, the colorful Keough School of Global Affairs globe, rendered as an internal stained glass window, welcomes guests and illuminates the reception area of the dean's suite in Jenkins Hall.

CAMPUS CONSTRUCTION UPDATE



PHOTOS: BARBARA JOHNSTON



HESBURGH LIBRARY

Devona and Philip Fagan Jr. and Family Reading Room

This reading room is located on the north end of the second floor and encompasses more than 1,300 square feet of individual study space. Since its opening in the summer of 2015, this has been a favorite destination for students and faculty alike. The new skylight floods the room with natural light. An exterior wall of windows offers views of the north side of campus and the interior glass wall opens to the new atrium and a view of the first floor. Previously home to enclosed staff offices, this intimate space now provides comfortable seating for patrons in search of a quiet place for study, reading and reflection.

QUINN FAMILY HALL

The second phase of Innovation Park, Quinn Hall, will open in January 2018. Quinn Hall is a 40,000-square foot facility connected to the Judd Leighton Hall at Innovation Park. Quinn Hall will house the IDEA Center and will grow and expand the University's innovation and collaboration activities which are critical components of bringing research and new ideas to market.



PHOTOS: PETER RINGENBERG



NORTH DINING HALL

Campus Dining partnered with Student Government, Student Activities, Student Affairs, Athletics, and Facilities Design and Operations to design and renovate North Dining Hall to be customized to serve the campus community. The contemporary redesign of North Dining Hall includes improvements such as a new east entrance and social space in the south lobby, new and updated mechanical, electrical and plumbing, improved accessibility, improvements to the east façade, modernization of the kitchen and supporting areas, renewal of the dining room finishes and accommodations for increasing allergen-free, vegan and other alternative menu options.



PHOTOS: MATT CASHORE



WALSH HALL

In May 2016, Facilities, Design and Operations began the comprehensive renovation of Walsh Hall. Built in 1909, the beautiful, historic dorm had the original plumbing, light fixtures, sinks, and dated electrical systems. The entire dorm was completely renovated while conscientiously preserving its character. The plumbing, electric, and doors were replaced, and the roofing was repaired. Ventilation was added to the bathrooms, and all new LED lighting was installed. The young women who are moving in this fall will now enjoy a kitchen and lounge on every floor, a larger community study space, some new flooring, and modern sinks and fixtures.

Introducing VenueND

The one-stop shop for booking events on campus

FROM THE OFFICE OF CAMPUS SAFETY AND EVENT MANAGEMENT

In March, the University launched VenueND, a department whose core function is to schedule, coordinate and optimize events across campus. It is designed to streamline the logistics for any on-site event, whether it's a weekly department meeting or a weeklong academic conference.

"VenueND really opens up the possibilities for people to connect with the University from all over the world," said **Mike Seamon**, vice president of campus safety and event management. "We're doing our part to make sure that Notre Dame is — and always will be — a dynamic crossroads of ideas and inspiration."

The move occurs in conjunction with a number of exciting developments on campus, including completion of the Campus

Crossroads Project. This \$400 million investment makes substantial additions to Notre Dame Stadium, with the expansions totaling 750,000 square feet of space for events. It is the largest building initiative in the history of Notre Dame.

"With rapid developments happening at Notre Dame, it just made sense to increase the presence of our planning team," said **Lee Sicinski**, associate vice president of event management. "VenueND is freshly branded, fully staffed, and scaled to serve the entire campus and its guests with a centralized event booking office."

The new spaces at the stadium — Duncan Student Center, Corbett Family Hall and O'Neill Hall — are just a few of the many venues that can be reserved for a wide variety of programs. Events that take place at Morris Inn, McKenna Hall, Joyce Center, Compton Family Ice Arena, Warren Golf Course, DeBartolo Performing Arts Center and Eck



VenueND has been created to book meetings, events and conferences on campus.

STEP 01	STEP 02	STEP 03	STEP 04	STEP 05
				
Campus partners: Call VenueND at 631-1400 to reserve space for a meeting, conference or event.	The VenueND Sales & Reservation Team will reserve your space and will send you a confirmation.	An Event Services Team Member will contact you to discuss initial logistics.	The VenueND Event Services Team will then help the campus partner coordinate services such as room set-up, audiovisual equipment, registration, catering and security.	The campus partner will receive one bill from VenueND, which includes room rental, catering, audiovisual, registration, lodging and security charges.

VenueND is currently taking reservations for: Morris Inn, McKenna Hall, Duncan Student Center, Corbett Family Hall, O'Neill Hall, Joyce Center, Compton Family Ice Arena, Warren Golf Course, DeBartolo Performing Arts Center, Eck Visitors Center, South Dining Hall and other campus event venues.

Visitors Center, among others, are also arranged through VenueND.

"Centralized booking through VenueND enables everyone to get the most out of their meeting while also getting in touch with Notre Dame history and tradition," Seamon said. "It's a great opportunity to showcase

our passion for the University."

Learn more and access the FAQ at venue.nd.edu.

Your department is invited to tour the new premium hospitality space. Call VenueND at 631-1400 to schedule.

Tours will be offered:

- Monday, Aug. 21, at 1, 2, 3 and 4 p.m.
- Tuesday, Aug. 22, at 9, 10 and 11 a.m. and noon.
- Wednesday, Aug. 23, at 9, 10 and 11 a.m. and noon.
- Thursday, Aug. 24, at 9, 10 and 11 a.m. and noon.



BARBARA JOHNSTON

Hesburgh Libraries launches redesigned website

BY TARA O'LEARY,
HESBURGH LIBRARIES

Hesburgh Libraries debuted its redesigned website in August. The overhaul focused on ways to better meet the research needs of faculty and students. The new site at library.nd.edu streamlines navigation and offers users the opportunity to customize their website experience. It also provides quick access to research databases, digital resources, librarians and specialists based on subject.

Over the past year, the website redesign project team gathered input from stakeholders across campus to learn about user needs for teaching, learning and research.

The goal was to create a flexible online research portal to better facilitate the discovery of the expertise, services, resources and spaces the library system has to offer. Ultimately, the new design and future enhancements will work to advance the research of faculty, as well as the scholarly endeavors of graduate and undergraduate students.

New features include:

- A persistent search bar that can be accessed on every page.
- A drop-down menu for users to easily personalize and save ND Catalog, OneSearch, etc., as their preferred search tool.
- Single netID login for My Account, which pulls different accounts together for easy viewing. Users can quickly access library account details as well as course reserves information for classes.
- A Research Support section containing comprehensive research and services listings, including discipline-focused resources and librarians by subject and specialty.

You can find more information on the redesign in the New Features Guide available at resources.library.nd.edu/documents/web-new-features.pdf. The libraries will continue to make enhancements to the website. Please submit suggestions and feedback via the Website Feedback link at the bottom of the webpage.

The screenshot shows the Hesburgh Libraries website with a dark blue header containing the University of Notre Dame and Office of the Provost logos. The main navigation bar includes Home, Research, Services, Libraries, and About. A search bar is prominently displayed with a dropdown menu for search options: ND Catalog, OneSearch, ND Catalog (Print and electronic books, journals and databases), CurateND, and Library Website. Below the search bar, there's a section for "Today's Hesburgh Library Hours: 7:30am - 11pm". At the bottom, there are five featured service tiles: MY ACCOUNT, COURSE RESERVES, FIND YOUR LIBRARIAN, BOOK A STUDY ROOM, and TECHNOLOGY LENDING.

NEW FEATURES

My Account section

Single NetID login will provide users with quick access to information including:

Items & Requests: See items you have borrowed from Hesburgh Libraries; received through Interlibrary Loan; requested or placed on hold; or requested through Document Delivery.

Courses: Students can see courses they are enrolled in along with links to course-related information, including course reserves, related subject pages and additional resources. Please note: Faculty can continue to visit reserves.library.nd.edu to add and manage reserve materials.

Research Support section

A one-stop shop for discipline-specific resources organized in several ways.

Subjects A-Z: An alphabetical list of subject-related pages.

Librarians by Subject and Specialty: Find the names and contact information for library faculty.

Research Guides: Find subject-specific research guides and search by subject, type or librarian.

Database search options

You can find your favorite databases several ways.

Search Bar: Search for a database using OneSearch or ND Catalog in the Search Bar.

Browse Databases A-Z List: Browse the alphabetical list of databases found in the Research Support section.

Explore Additional Ways to Search: Click More Research to see additional options, such as E-journal Locator and Article QuickSearch in the Search Tools section.

Legendary coach Ara Parseghian dies at 94



MATT CASHORE

BY DENNIS BROWN,
MEDIA RELATIONS

Notre Dame lost an iconic figure Aug. 2 when College Football Hall of Fame coach **Ara Parseghian** died at the age of 94.

“Notre Dame mourns the loss of a legendary football coach, a beloved member of the Notre Dame family and good man — Ara Parseghian,” University President **Rev. John I. Jenkins, C.S.C.**, said. “Among his many accomplishments, we will remember him above all as a teacher,

leader and mentor who brought out the very best in his players, on and off the field.

“He continued to demonstrate that leadership by raising millions of research dollars seeking a cure for the terrible disease that took the lives of three of his grandchildren. Whenever we asked for Ara’s help at Notre Dame, he was there.

“My prayers are with Katie, his family and many friends as we mourn his passing and celebrate a life that was so well lived.”

Elected to the College Football

Hall of Fame in 1980, Parseghian led the Irish to a 95-17-4 record (.836) over his 11 seasons in South Bend, highlighted by the 1966 and 1973 teams that finished 9-0-1 and 11-0-0, respectively, and claimed Notre Dame’s eighth and ninth consensus national championships.

Parseghian retired from coaching after the 1974 season and entered broadcasting. He worked as a color commentator with ABC Sports from 1975-81 and served as college football analyst for CBS Sports through the 1988 season.

In 1994, Parseghian, along with his son, Michael, and daughter-in-law, Cindy, started the Ara Parseghian Medical Research Foundation to fund the study of Niemann-Pick Type C Disease (NPC) in hopes of moving toward a cure. The foundation has raised more than \$45 million to combat the disease, which claimed three of Parseghian’s grandchildren, Michael and Cindy’s children, Michael, Marcia and Christa.

NPC is a genetic pediatric neurodegenerative disorder that causes progressive deterioration of the nervous system, usually in school-age children. By interfering with children’s ability to metabolize cholesterol, NPC causes large amounts of the substance to accumulate in the liver, spleen and brain, leading to a series of ultimately fatal neurological problems.

Building on a partnership the University formed with the foundation in 2010, the University established the Ara Parseghian Medical Research Fund in May 2016 and moved the administrative functions and granting process of the foundation from Tucson, Arizona, to Notre Dame.

The fund supports a competitive granting process, promotes fundraising efforts to support NPC research, raises awareness for the disease, manages communications and oversees an annual research conference in which researchers from around the world collaboratively share their findings.

As the Notre Dame coach from 1964-74, nine of Parseghian’s 11 teams finished the year ranked in the top 10 of the final Associated Press poll, and on 40 occasions during that period Irish players received first-team All-America recognition. He coached eight NCAA postgraduate scholarship recipients, 17 Academic All-Americans and five eventual winners of the NCAA Silver Anniversary Award.

Born May 21, 1923, in Akron, Ohio, Parseghian was married to the former Kathleen “Katie” Davis. He earned bachelor’s and master’s degrees in 1949 and 1954 from Miami (Ohio) University. He is survived by Katie, two children — Kristan Parseghian Humbert and her husband, James Humbert; Michael Parseghian, the secretary/treasurer of the research foundation and member of the University’s College of Science Advisory Council, and his wife, Cindy, president of the foundation and a Notre Dame Trustee — son-in-law James Burke; and six grandchildren. His daughter Karan Burke and three grandchildren preceded him in death.

In lieu of flowers, contributions can be made to the Ara Parseghian Medical Research Fund at Notre Dame.

Stamp honoring Father Hesburgh to be unveiled Sept. 1

The career of the late Rev. Theodore M. Hesburgh, C.S.C., the University’s president from 1952 to 1987, will be celebrated Sept. 1 when the U.S. Postal Service unveils a 49-cent Forever stamp in his honor at a ceremony on campus. All are welcome to attend.

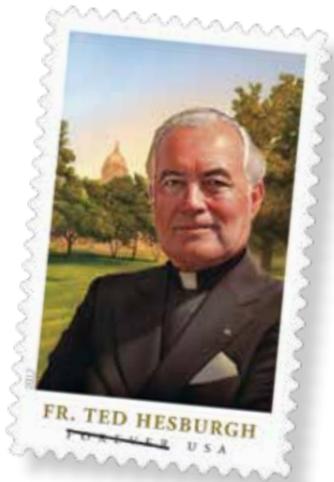
Beginning at 1 p.m. in Purcell Pavilion at the Joyce Center, the ceremony will feature remarks from Notre Dame alumna and former Secretary of State Condoleezza Rice, Postmaster General and Chief Executive Officer of the U. S. Postal Service Megan Brennan and Notre Dame’s president, **Rev. John I. Jenkins, C.S.C.**

In addition, **Rev. Austin I. Collins, C.S.C.**, religious superior of Holy Cross Priests and Brothers at Notre Dame, will offer a welcome and invocation, and Rev. Thomas J. O’Hara, C.S.C., provincial superior of the U.S. Province of the Congregation of Holy Cross,

will say the benediction. A short video on Father Hesburgh also will be featured. Former Notre Dame basketball coach **Digger Phelps**, who once served on the Postal Service’s Citizens’ Stamp Advisory Committee, will emcee.

After the unveiling, the stamp featuring Father Hesburgh with a first-day-of-issue postmark will be available at the Notre Dame Post Office and Purcell Pavilion. Stamps also will be available for purchase at the Hammes Notre Dame Bookstore.

Notre Dame has been recognized by the U.S. Postal Service on three previous occasions — in 1988 with a stamp honoring legendary football coach Knute Rockne, in 1998 with a stamp of the famous football backfield known as the Four Horsemen and in 1992 with a postcard celebrating the sesquicentennial of the University.



IrishCompass: Supporting professional development for students and alumni



BY JOSH STOWE, ALUMNI ASSOCIATION

Notre Dame’s Alumni Association and Career Center have partnered to launch IrishCompass, the University’s exclusive online community for professional growth and development.

IrishCompass is open to students and alumni and is designed to help both groups better connect as they navigate their careers.

The online community, which features a mobile-friendly, easy-to-use interface, also allows students transitioning into the job market to get answers they can trust from experts who post insights in more than 30 industry groups. For alumni, IrishCompass offers opportunities to post jobs, hire Notre Dame talent, be mentored and give back as mentors.

Faculty and staff can refer students to the IrishCompass website, irishcompass.nd.edu. Students can email questions to irishcompass@nd.edu.

New parking lot names and wayfinding signs across campus

Getting to specific Notre Dame buildings and parking lots should be an easier experience thanks to new signs that are being installed across campus.

Facilities, Design & Operations is implementing the Notre Dame Exterior Signage and Wayfinding Program to support and maintain a welcoming campus image and improve the on-campus experience

for both regular users and visitors through a uniform signage and wayfinding system.

Phase 1 of the program, which was completed this summer, consisted of directional signs for buildings, campus entrances/exits and new names for the University’s parking lots.

Parking lot signage still identifies permit access for faculty, staff and

students, but the lot name will be based on location rather than an alpha-numeric system. For example, the A9 lot near the Grotto is now the Grotto Lot, and the B1 Lot south of Notre Dame Stadium is now the Stadium Lot. To view the new parking lot names and permit access, visit map.nd.edu and click on each lot.

Phase 2 of the program

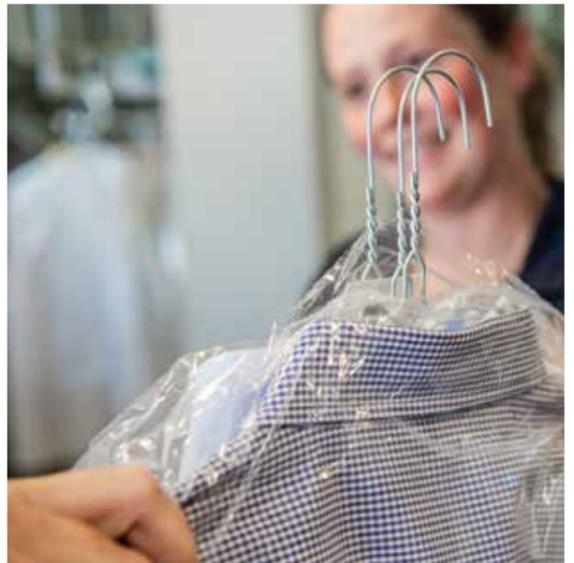
includes vehicular signage for street identification, traffic signs and accessibility/emergency information. Phase 3 focuses on pedestrian navigation of campus, such as campus maps and building identification.

The last update of the campus exterior signage system took place in 1996.

CAROL C. BRADLEY



What's new in
AUXILIARY
OPERATIONS



Hammes Notre Dame Bookstore: Major changes in place for football season

BY CAROL C. BRADLEY, NDWORKS

This summer, the Hammes Notre Dame Bookstore has undergone its first major renovations since opening 20 years ago.

"The vision of this renovation was driven by the feedback we received and the lessons we've learned and knowledge we've gained from operating the space since it opened," says **David Werda**, the bookstore's director of retail operations. "Our desire is to pair that with industry best practices to provide a world-class experience to both the Notre Dame community and the many University guests we see every year."



Werda

The ways people use bookstores has evolved, so the bookstore must evolve so it can better serve both patrons and the University, Werda adds. In addition, the bookstore serves different constituents — game day visitors, faculty and staff, students — with different needs.

"We're trying to develop spaces within the Hammes Notre Dame Bookstore that can be functional even during a football weekend," Werda says.

One of the biggest changes patrons will notice is that checkout lines have moved from front and center to the north wall of the first floor. "We're always looking for ways to speed up the line queue," he says. "We'll now have two rows of registers with a narrower space in between."

A second stairway has been added at the northeast bookstore entrance, near the checkout lines. Patrons can now enter the bookstore from the campus side (facing Morris Inn) and go

up the stairs directly to the second floor.

The seating area in Einstein Bros. Bagels has been updated with the addition of upmarket seating. New seating has been added to the patio as well, with additional café seating, soft seating and umbrellas, as well as the addition of a power drink rail — a bar-height seating area with power for charging electronic devices. "It will be a nice addition," says Werda. "We'll also extend the outdoor season with heaters."

The second floor has become a comprehensive academic resource area — "including course materials, technology and spaces for gathering to meet or study, of varying sizes and degrees of privacy, including a glassed-in reading room coming later this fall," Werda says.

The women's clothing line, also relocated to the second floor, is being expanded, and fitting rooms have been added. The gift department has relocated from the second to the first floor and will highlight religious gifts.



CAROL C. BRADLEY



CAROL C. BRADLEY



MATT CASHORE



PHOTOS: CAROL C. BRADLEY



From top right: The Hammes Notre Dame Bookstore has undergone its first major renovation since opening 10 years ago. Center, football game days used to cause major crowding in the entry and around the cash registers. Now the cashiers have moved to the north wall of the store, and the nearby northeast (campus) entrance has been expanded and another staircase added. Bottom right, Einstein Bros. Bagels has new upmarket seating and an expanded patio area with soft seating and umbrellas. Bottom left, a new area near the front of the store will focus specifically on The Shirt in all sizes.

South Stadium Shop to provide enhanced game day shopping experience

BY COLLEEN O'CONNOR, FOR NDWORKS

Outside Notre Dame Stadium this fall, football fans will find a "merchandise pavilion," complete with hardwood flooring and a glass front. Located between Gate B and O'Neill Hall, the structure and its contents are designed to create a game day specific atmosphere.

"We want to create a shopping experience to match that of the overall

Notre Dame football experience," says **David Werda**, director of retail operations. The Duncan Student Center will largely be used by students when school is in session. A Notre Dame home football game is a major event like the U.S. Masters, Indianapolis 500 and Kentucky Derby."

Some merchandise collections and gifts will be exclusive to the South Stadium Shop and not sold at the Hammes Bookstore or in other areas of the stadium. New product lines from

current licensees will be featured, such as the latest designs from Under Armour and others.

In addition to the South Stadium Shop, there will be nine trailers of merchandise outside the stadium, nine concession shops inside the stadium, and three new kiosks inside the stadium, two at Gate C and one at Gate A.

The South Stadium Shop will be in place from August through November only.

What does VenueND mean for Morris Inn?

BY CAROL C. BRADLEY, NDWORKS

Before VenueND, the process to book a meeting space was complicated, says **Joe Kurth**, senior director of Morris Inn.

"Over the past 10 years, we'd built 10 new event spaces," he says. "Each was handled differently, with different people approving the use of the space. We heard you. We made it easier. Now it's a one-stop shop, and we've doubled the size of the sales staff."

VenueND is a centralized sales and reservation team for booking events on campus. The staff can assist you in booking meetings and planning conferences and events at Morris Inn, McKenna Hall and in the new Duncan Student Center, O'Neill Hall and Corbett Family Hall.

So what does all this mean for those booking event spaces?

There are a number of things you should have in mind when you're ready to book a space, Kurth says.

- What is your vision for the event? Is it a departmental outing, a family reunion, a conference?
- How many people are you planning on?
- Do you have a list of potential dates, and is there any flexibility on the dates?

- What price range do you have in mind? If cost is a major consideration, savings will come with flexibility on dates and planning as far ahead as possible.

- Will the event be structured (as with a conference) or will people have time on their own?

- Are you planning other activities such as Mass at the Basilica, a concert at the DeBartolo Performing Arts Center that would require pre-bought tickets, tee times on the Warren Golf Course?

- Will the space you need require set-up of tables and chairs, a speaker's podium, AV equipment?

- What are the food and beverage requirements? Are you planning a breakfast, with participants having lunch on their own? An evening dinner with dessert followed by dancing, a wedding reception or a late-night pizza buffet? Will there be an open bar, a cash bar, or a cash bar with beer and wine only? (In addition to University Catering, catering by the LaSalle Grill and the Matterhorn will be available.)

- If you're planning an event with a speaker, will breakout spaces be needed? Will there be entertainment?

The VenueND staff (see more on page 8) is there with a team of experts to help facilitate your event, Kurth says. "Many universities outsource event

planning. We benefit from owning it—it allows us control, but also flexibility. With the new system, we can benefit from cross-campus partnerships. What is the highest and best use of our campus facilities? Our flexibility impacts planning, and planning impacts events."

And dollars spent on campus benefit the University, Kurth says. "If you spend a dollar at the Morris Inn, 15 cents stays on campus. Off campus, all the money goes outside. That's the advantage of owning our own space. We give work hours to University employees, and give money back to the University—in all, more than \$1 million per year."



Kurth

VenueND: New event spaces available

Many new event spaces are open in the recently completed Duncan Student Center, Corbett Family Hall and O'Neill Hall. Reservations are already being taken for events taking place after Oct. 1.

The VenueND customer service staff is available to assist you at 631-1400 or by email at venuend@nd.edu. Visit venue.nd.edu for more information or to download a PDF of frequently asked questions.

Duncan Student Center (West Building)

The Duncan Student Center will largely be used by students when school is in session.

- Dahnke Ballroom on the seventh floor with capacity of 580
- Rasmus Family Club on the eighth floor with capacity of 300
- Two landings with beautiful views of campus, each with a capacity of 60
- Four outdoor terraces

Corbett Family Hall (East Building)

Downes Club on the seventh and eighth floors with a capacity of 300 in the ballroom area (very similar in size to the Smith Ballroom at Morris Inn) Downes Club seventh Floor will be used as a classroom Monday – Thursday, 8 a.m. – 5 p.m. when school is in session

Two landings with beautiful views of campus, each with a capacity of 60

- Four outdoor terraces

O'Neill Hall (South Building)

- South Club will feature a private club that will have a built-in bar and chef's kitchen. This has a capacity of 320 and is ideal for receptions.

Three new 'micro-restaurants' coming to Duncan Student Center

Opening in early January 2018

BY COLLEEN O'CONNOR, FOR NDWORKS

When students return to class after Christmas break, they will find three new dining concepts at Duncan Student Center.

Modern Market, Star Ginger, and a coffee house featuring Intelligentsia coffees were selected based on feedback from Student Government, the Graduate Student Union, students and

faculty through the Office of Student Affairs.

Guided by a holistic view on health, Modern Market is based on simple, whole ingredients sourced from local farmers and suppliers. Its scratch-made food is meant to nourish both mind and body. It is designed to be a place where paleo, vegan, vegetarian and gluten-free dieters can all find something delicious to eat. Besides serving breakfast all day, Modern Market will serve fresh salads, homestyle sides, brick oven pizzas, homemade soup and toasted

sandwiches. The Duncan location will be Modern Market's first franchise on a college campus.

Star Ginger will feature the cuisine of Thailand and Vietnam, and the coffee house will serve Intelligentsia coffees, Italian pastries, fresh made gelato and Freshens Smoothies. The hours of operation for all three establishments are yet to be determined.

"Micro-restaurants," as opposed to food courts, have a completely enclosed kitchen, equipment and seating area that helps define the concept.

Notre Dame Clubs and Concessions: New pricing and exciting new menus for 2017 season

Levy Restaurants begins second year as manager

BY COLLEEN O'CONNOR, FOR NDWORKS

"Fan friendly" prices will be offered this year on hot dogs, popcorn and water at all Notre Dame sports venues as Levy Restaurants begins a second year as manager of concessions.

"We are focused on building a unique fan experience so that great memories are created for families and friends," says **David Harr**, associate vice president for Auxiliary Operations.

This fall, football fans will see new menu items on the all-new portable carts throughout the stadium concourse. The "Domer Dog," a loaded hot dog, will rotate each home game and be themed off the opposing team. The "Walking Taco," eaten right out of the bag, begins as a bag of Fritos or Doritos with ground beef, cheese and salsa added. A foot-long sausage topped with Italian beef will make its debut. The

new line-up will also include a cart with healthy options.

A new tablet system with the ability to process both debit and credit cards, will be in place this year, speeding up transaction times and improving traffic flow.

Also this year there are 4,000 premium club seats spread throughout the new Corbett Family Hall, O'Neill Hall, and Duncan Student Center. These clubs will feature rotating seasonal menus in spaces that range from private boxes

to large ballroom areas to an Irish pub-themed restaurant.

In addition, fans will see an increased focus on sustainability. "We are excited to partner with the Office of Sustainability on expanded recycling programs," says Karen Schirmuhly, director of operations.

Examples of this include the addition of recycling bins along with the usual trash containers, and the use of recyclable plastic bottles and cardboard.

Paper FOAPALS no longer accepted

Effective May 31, 2017, paper FOAPALS are no longer being accepted at Morris Inn, Campus Dining, St. Michael's Laundry, or Notre Dame concessions. Here are the currently accepted forms of payment:

- All major credit cards
- Debit cards
- Cash
- Notre Dame ID cards
- Notre Dame department charge cards

Morris Inn and the Notre Dame Conference Center at McKenna Hall

We are part of the one stop shopping provided by VenueND. VenueND provides for the streamlining of booking at both Morris Inn and the Notre Dame Conference Center.

- Lodging guests can still call 800-280-7256 to book a room
- To book a block of guests rooms, 10 or more, call VenueND at 631-1400
- Small tables at Sorin's and Rohr's can be reserved by calling direct at 631-2020 (Sorin's) and 631-2018 (Rohr's)
- Large tables (15 or more) can be reserved by calling VenueND
- Sorin's can be closed for private parties. To book Sorin's, call VenueND
- The Notre Dame Conference Center can be booked for academic conferences, receptions and parties by calling VenueND

North Dining Hall: Renovated space and a new approach

BY COLLEEN O'CONNOR, FOR NDWORKS

After its first major renovation in 28 years, the North Dining Hall is now open with a whole new approach to dining.

The staff, with cutting-edge equipment, is now able to execute restaurant-style meals, providing healthy, nutritious and clean label food production. The seating design allows for individual as well as group dining, with booths, high tops and community dining tables.

"We are very excited to introduce our fresh food market, known as Market Place," says **Chris Abayasinghe**, senior director of Campus Dining. The Market Place will provide students with meal choices outside the offerings of the dining hall. Students can use their flex points in exchange for food items such as hot take-out in reusable containers.

The renovated building features a new east entrance to accommodate campus growth. Inside this entrance, students will find a large lounge area where they can gather, meet friends for dinner and socialize during hours that the facility is open.

"We deeply appreciate the collaborative work of the North Dining Hall Advisory and Project Committees consisting of representatives from the Office of Student Affairs, Athletics, Facilities Design and Operations, and Campus Dining partners as well as students," says Abayasinghe.

See more on page 7.

Do you have your Irish1Card?

Campus re-carding initiative underway

BY COLLEEN O'CONNOR, FOR NDWORKS

With the introduction of the new Irish1Card in September, faculty, staff and retirees will be required to replace their current ID card. The change is mandatory for anyone with a Net ID, and affects everyone except temporary and on-call staff, who will replace their current card at its expiration date. Everything currently on your card (for example, Domer Dollars) will transfer to the new card.

"We are taking the show on the road and will be coming to a building near you," says **Dan Tormey**, Irish1Card program director. The Campus Card Office has scheduled opportunities to replace ID cards at locations across campus (see the complete schedule below).

Anytime throughout the fall, faculty, staff and retirees can also get the new card at the Campus Card Office, located at 423 Grace Hall. For security purposes, anyone whose ID card photo is not recent will be required to have a new photo taken. Everyone is also being asked to bring the old card to exchange.

The Irish1Card will serve as a transitional card, meaning it will carry both the current magnetic strip technology as well as the updated contactless, "tap, hold and go" technology. This will enable everyone's card to be functional during the extended transition period.

Old cards will no longer be active after January 2018. Once all campus card readers have been transitioned to contactless technology (estimated to take three to five years) future printed ID cards will not include a magnetic strip.

Questions concerning the re-carding initiative and how it affects various groups such as spouses can be answered by going to the Irish1Card website at irish1card.nd.edu/new-irish1card.



In addition, the Campus Card Office is now responsible for issuing ID cards for contractors, vendors and guests. If access to campus buildings, labs and other goods and services is required, go to the Card Office website, irish1card.nd.edu and click on Guest Card Request to initiate the process of requesting a card.

Irish1Card re-carding schedule

Get the new Irish1Card during one of these scheduled times, or anytime at the Campus Card Office, 423 Grace Hall, 8 a.m. to 5 p.m. No appointment is necessary. Please remember to bring your old ID card to exchange. For more information, or if you have questions, visit Irish1Card.nd.edu; call the office at 631-7814; or email icard@nd.edu.

Hesburgh Library
Sept. 11-15, 9 a.m.-4 p.m.

Mendoza College of Business
Sept. 18, noon-4 p.m.
Sept. 19-20, 9 a.m.-4 p.m.

Eck Hall of Law
Sept. 21, noon-4 p.m.
Sept. 22 and 25, 9 a.m.-3 p.m.

University Health Flu Vaccination event
Sept. 26, TBA
Sept. 27-29, 9 a.m.-3 p.m.

Main Building
Oct. 2, noon - 3 p.m.
Oct. 3 - 4, 9 a.m. - 3 p.m.

Decio Faculty Hall
Oct. 5, noon - 3 p.m.
Oct. 6, 9 and 10, 9 a.m. - 3 p.m.

Cushing Hall
Oct. 11, noon - 3 p.m.
Oct. 12 - 13, 9 a.m. - 3 p.m.

Irish Health Fair at Rolfs Sports Recreation Center
Oct. 16, noon-3 p.m.
Oct. 17-20, 9 a.m.-3 p.m.

O'Shaughnessy Hall
Oct. 23, noon-3 p.m.
Oct. 24-25, 9 a.m.-3 p.m.

McKenna Hall
Oct. 30, noon - 3 p.m.
Oct. 31 - Nov. 1, 9 a.m.-3 p.m.

Eddy Street Commons
Nov. 6, noon-3 p.m.
Nov. 7, 9 a.m.-3 p.m.

Mason Service Center
Nov. 9, 9 p.m.-11 p.m.

St. Michael's Laundry
Nov. 13, noon-3 p.m.
Nov. 14-15, 9 a.m.-3 p.m.

St. Michael's Laundry



MATT CASHORE

St. Michael's Laundry, a fixture on campus since 1934, is located northwest of the Notre Dame Federal Credit Union. St. Michael's (laundry.nd.edu) is a full-service laundry facility that serves both campus and the general public and handles more than 2.75 million pounds of laundry per year.

Director **Larose Saint Jean**, who joined the University in 2016, has developed a rolling five-year plan for replacement of equipment based on age and predicted lifespan — including a new 300-pound capacity clothes dryer and a new shirt press.



Saint Jean

Services include dry cleaning, tailoring and alterations, shoe repair, linen rental and more. This spring, the laundry cleaned 1,400 commencement gowns for students, Saint Jean says, the most ever.

Saint Jean has also instituted changes that will help create a more pleasant work environment for the staff — including 12-foot-high doors installed on the east side of the building to increase airflow in the building during the hot summer months.

In addition, a new program brings Wellness Center staff onsite to handle annual health screenings and provide education. "We have resources on campus, but some may not know about them, or be intimidated to try them."

A new initiative also offers interested staff members the opportunity to cross-train in other areas within the laundry to gain new skills. "When they learn three new areas, they receive a wage increase," Saint Jean says.

St. Michael's Laundry has two locations, the Main Plant and on campus at the Distribution Center, at the corner of Holy Cross Drive and Sorin Court directly north of the Main Building.

Cedar Grove Cottage

This spring, Cedar Grove Cottage opened at Cedar Grove Cemetery. Located in the northeast corner along Holy Cross Drive, Cedar Grove Cottage consolidates two cemetery offices, one formerly in Grace Hall and the other on the cemetery grounds, allowing all administrative functions to be carried out under one roof.

"We now have a private counseling room on the grounds of the cemetery where families can meet to prepare for committal or select burial options," said **Leon Glon**, manager of Cedar Grove Cemetery.

For more information, contact Glon at 631-7646.



CAROL C. BRADLEY

What's new with Licensing?



KAYLA NOBLE, HAMMES NOTRE DAME BOOKSTORE

The biggest change this fall is a new emphasis on women's clothing, says **Tom Gerhold**, director of licensing. At the end of September, she's holding a "women's apparel summit," inviting seven licensees who produce women's apparel to come to campus, do a line review of their offerings and select 24 women of various ages to give feedback on the merchandise.

"In looking at the shopping and buying habits of women, we want to know what's wrong, and what's right," she says. "Over the years, we've realized that the women's category has been challenging in terms of fit and selection. We want to figure out where the gaps are."

With the remodel of the Hammes Notre Dame Bookstore, women and children's merchandise will now be located on the second floor, with dedicated fitting rooms.

New this fall is the Notre Dame Radio Flyer foldable canvas wagon (\$180).

PLACES TO EAT

from fine dining to fast food



The University offers a wide variety of menu choices and food service options on campus, from fine dining at Sorin's in the Morris Inn to casual dining at Legends, as well as fast casual concepts such as Au Bon Pain and Smashburger. There are also fast food options to choose from, including Subway, Taco Bell and Pizza Hut. Many administrative and academic buildings on campus include a small cafe offering breakfast and lunch items for the convenience of building occupants.

For more information on retail outlets, nutrition guidelines and specials, visit food.nd.edu.

North and South Dining Halls

M-Thu, Breakfast
7 to 11 a.m.

M-Thu, Lunch
11 a.m. to 2 p.m.

M-Thu, Late Lunch
2 to 4:30 p.m.

M-Thu, Dinner
4:30 to 9 p.m.

Friday, Breakfast
7 to 11 a.m.

Friday, Brunch
11 a.m. to 2 p.m.

Friday, Late Lunch
2 to 4:30 p.m.

Friday, Dinner
4:30 to 7:30 p.m.

Sat-Sun, Continental Breakfast
8 to 10:30 a.m.

Sat-Sun, Brunch
10:30 a.m. to 2 p.m.

Sat-Sun, Late Lunch
2 to 4:30 p.m.

Sat-Sun, Dinner
4:30 to 7:30 p.m.



à la Descartes

Jordan Hall of Science
M-F, 8 a.m. to 5 p.m.
Football Fridays 8 a.m. to 4 p.m.



au bon pain

Hesburgh Library Concourse
M-Th, 7 a.m. to 11 p.m.
Fri, 7 a.m. to 10 p.m.
Sat, 9 a.m. to 10 p.m.
Sun, 10 a.m. to 11 p.m.



Café Commons

Mendoza College of Business
M-Th, 7 a.m. to 5 p.m.
Fri, 7 a.m. to 4 p.m.



Café de Grasta

Grace Hall
M-Th, 7 a.m. to 5:30 p.m.
F, 7 a.m. to 3 p.m.



Café Poché

Bond Hall
M-F, 8 a.m. to 3 p.m.



Crossings

Law School
M-Th, 7 a.m. to 5 p.m.
Fri, 7 a.m. to 4 p.m.



Decio Cafe

Decio Faculty Building
M-F, 7 a.m. to 3 p.m.



Einstein Bros Bagels

Hammes Notre Dame Bookstore
Fall: M-Sat, 8 a.m. to 10 p.m.
Sun, 9 a.m. to 9 p.m.
Spring/Summer:
M-Sat, 8 a.m. to 9 p.m.
Sun, 9 a.m. to 7 p.m.
Football Weekends:
F, 8 a.m. to Midnight
Sat, 8 a.m. to 10 p.m.,
(day games)
Sat, 8 a.m. to Midnight,
(night games)
Sun, 8 a.m. to 9 p.m.



Huddle Mart

The Huddle
LaFortune Student Center
M-Th, 7:30 a.m. to 2:30 a.m.
Fri, 7:30 a.m. to 2 a.m.
Sat, 9:30 a.m. to 2 a.m.
Sun, 9:30 a.m. to 2:30 a.m.



Kitz Kafé

Stinson-Remick Hall
M-D, 9 a.m. to 3 p.m.



Legends of Notre Dame

Summer Hours:
Sun, 11 a.m. to 9 p.m.
M-Sat, 11 a.m. to 10 p.m.
School Year:
Sun, 11 a.m. to 9 p.m.
M-Sat, 11 a.m. to Midnight



Reckers

South Dining Hall
(south entrance)
Sun-W, 11 a.m. to 11 p.m.
Thu - Sat, 11 a.m. to 3 a.m.



Rohr's

Morris Inn
Sun-Th, 11 a.m. to 1 a.m.
Fri-Sat, 11 a.m. to 2 a.m.
Food served until Midnight



Smashburger

The Huddle
LaFortune Student Center
M-F, 10 a.m. to 10 p.m.
Sat, Sun 11 a.m. to 10 p.m.



Sorin's

Morris Inn
Breakfast
6:30 a.m. to 10:30 a.m.
M-Sun
Lunch
11 a.m. to 2 p.m.
M-Sun
Dinner
5:30 p.m. to 9:30 p.m.
Not open for dinner on
Sun or Mon



Starbucks

The Huddle
LaFortune Student Center
M-F, 7:30 a.m. to 1:30 a.m.
Sat-Sun, 9:30 a.m. to 1:30 a.m.

Starbucks

Hammes Bookstore
on Eddy Street
M-Th, 7 a.m. to 7 p.m.
Fri-Sat, 7 a.m. to 8 p.m.
Sun, 9 a.m. to 5 p.m.
Football Weekends:
Fri-Sat, 7 a.m. to 10 p.m.
Sun, 9 a.m. to 5 p.m.



Subway

The Huddle
LaFortune Student Center
M-F, 8 a.m. to 1 a.m.
Sat-Sun, 10 a.m. to 1 a.m.



Taco Bell

LaFortune Student Center
M-Th, 10:30 a.m. to 1 a.m.
Fri, 10:30 a.m. to 4 a.m.
Sat, 11 a.m. to 4 a.m.
Sun, Closed



Pizza Hut

LaFortune Student Center
M-Th, 10:30 a.m. to 1 a.m.
Fri, 10:30 a.m. to 4 a.m.
Sat, 11 a.m. to 4 a.m.
Sun, Closed



Waddick's

O'Shaughnessy Hall
M-Th, 7 a.m. to 5 p.m.
Fri, 7 a.m. to 4 p.m.

Warren Grille

Warren Golf Course Clubhouse
Tues-Sun, 8 a.m. to 6 p.m.
M, Closed for private
golf outings





175

Opening of the Academic Year Mass in celebration of

Notre Dame's 175th Anniversary

SATURDAY, AUGUST 26, 2017

11:30 a.m.

Mass on Bond Quad

12:30 p.m.

Picnic on South Quad

Dining halls will be closed for the occasion.

All are welcome

[175.ND.EDU/MASS](http://175.nd.edu/mass)

The Mass marks the conclusion of the Notre Dame Trail.
Trail participation is not required to attend the 175th Anniversary Mass and Picnic.
Learn more and register for the Trail at trail.nd.edu.

*Notre
Dame
Trail*

Notre Dame research funding reaches record-breaking levels

Awards nearly double from just over 10 years ago

BY JOANNE FAHEY AND BRANDI KLINGERMAN, NOTRE DAME RESEARCH

The University received \$138.1 million in research funding for fiscal year (FY) 2017, surpassing the previous record of \$133.7 million set in FY 2015. Additionally, the University also broke its monthly record receiving \$27.6 million in June alone.

“Our scholarly, robust faculty can take pride in this milestone,” says President **Rev. John I. Jenkins, C.S.C.** “It advances Notre Dame’s reputation as a national research university, and it represents a welcome infusion of spending in South Bend. Congratulations to **Robert Bernhard**, our vice president for research, and most of all to our talented and hardworking faculty for an achievement that is all the more remarkable in a time of government retrenchment.”

Approximately 57.8 percent of the research awards came from federal funding, while 26.9 percent came from foundations or other sponsors, and 15.3 percent came from industry.

Notre Dame’s continued commitment to growing and expanding its research programs is paying off locally as well, with approximately 75 percent of external research funds expended in the local community.

For example, the Notre Dame Turbomachinery Laboratory (NDTL), which opened in downtown South Bend’s Ignition Park in 2016, continues to grow and bring benefits to the area. In FY 2017, NDTL brought in nearly \$7 million in research awards. Further, it has hired over 40 employees — recruiting technical experts from both the Michiana region as well as internationally — and has plans to continue to grow its staffing levels.

The community theme continues in a number of other large research grants to the University, including a \$1.6 million award from the Lilly Endowment to the Department of Theology to study sacred music in the revival of the community and the church, as well as nearly \$1 million to the Department of Physics to continue its Quarknet program.

Speaking about the record-breaking year, Bernhard said, “This year’s success is tied directly to the dedication of our faculty who worked harder than ever in this difficult funding environment to compete for grants. In fact, Notre Dame researchers submitted over 1,200 proposals this year, representing a 30 percent increase in proposal value since last year. I look forward to seeing many of these proposals — especially those that continue our important collaborative relationship with the city of South Bend, such as the Wireless Institute’s proposal for a city-scale platform for advanced wireless research — become actively funded research projects.”

Among some of the largest awards to each College and School:

- A \$6.7 million grant from the Microelectronics Advanced Research Corporation and the Defense Advanced Research Projects Agency (DARPA) to the College of Engineering for continued support of the Center for Low Energy Systems Technology.
- A \$2.5 million award to the College of Science from the National Institutes of Health for continued support of Vector-Base, a bioinformatics resource for invertebrate vectors of human pathogens.
- A \$1.6 million grant from the John Templeton Foundation to the College of Arts and



MATT CASHORE

Letters for training Catholic thought leaders to engage in dialogue between science and religion.

- More than \$1 million from the U.S. Department of State to the Keough School of Global Affairs for the Peace Accords Matrix.

Faculty from the University’s other Colleges and Schools, as well as Centers and Institutes, contributed to the record-breaking total, which grew from \$71 million in 2006.

Eck Institute for Global Health to study Zika in Belize

The University has announced a collaboration with Mayo Clinic, the Belize Ministry of Health and the Belize Vector and Ecology Center aimed at strengthening the country’s ability to respond to Zika virus and other



MATT CASHORE

Grieco



MATT CASHORE

Achee

arboviruses. Researchers are already working in Belize as part of the five-year project, which will include a full epidemiological and entomological surveillance study, training for health care professionals and public health awareness and education.

John Grieco and **Nicole Achee**, research associate professors with the Eck Institute for Global Health,

will lead vector surveillance activities. From Mayo Clinic, John Wilson, in the Division of Infectious Diseases, and Elitza Theel, in the Division of Clinical Microbiology, will lead activities associated with capacity building for diagnostic testing of arboviral diseases. They will also spearhead the human epidemiological studies for Zika and other arboviruses in Belize.

Researchers improve methods of identifying aquatic species



MAT SEYMOUR

Kristy Deiner samples the water from Juday Creek in Granger to conduct research on environmental DNA. “Fish have millions of cells, and when they swim they leave a trail of cells behind. So, we’re using the whole mitochondrial genome of these cells to track fish,” says Deiner, a Cornell postdoctoral researcher and a co-lead author on the paper.

BY JESSICA SIEFF, MEDIA RELATIONS

Determining which fish are living in various bodies of water can be a daunting task for scientists studying those populations. Identifying invasive or endangered species, for example, has often relied on the ability to catch them.

Now, according to a new study

published in *Methods in Ecology and Evolution*, Notre Dame researchers have improved their method of tracking species by using the biological material those organisms leave behind known as environmental DNA (eDNA).

Traces of eDNA carry the same vital information as a direct DNA sample, such as a blood or tissue sample. Think of the work done by forensic scientists, who can identify individuals from a strand of hair.

Until now, researchers believed that DNA shed by organisms in their watery environments was significantly degraded and low quality, making it difficult to take those fragments and match them to a specific species. It turns out that the cells fish shed into the water protect tightly coiled DNA.

“We were successful in detecting and working with long, intact pieces of DNA,” says **Michael E. Pfrender**, director of the Genomics & Bioinformatics Core Facility and associate professor in the Department of

Biological Sciences and the Environmental Change Initiative. “This completely changes the prevailing view that we can only work with short fragments of highly degraded eDNA. Now, we can start using the information pulled from these long chains of DNA to develop more accurate species identifications and to detect genetic variation within species.”

Researchers collected water samples from area lakes, ponds and streams and used polymerase chain reaction (PCR) technology to amplify — or copy — the entire mitochondrial genomes from the eDNA found in those environments.

Through this improved method, scientists can get a more detailed picture of the biodiversity in various aquatic habitats.

“There is an ongoing effort to populate databases like the National Center for Biotechnology Information’s (NCBI) Genbank,” says Pfrender. “We do not have genetic signatures for all the biodiversity we’d like to

monitor. These databases are critical to helping us identify the various species living within these communities.”

The method used in the study is not only more accurate, it is more efficient when it comes to looking for and managing invasive species.

Co-authors of the study include **Yiyuan Li** at Notre Dame, Kristy Deiner and David M. Lodge at Cornell University and Mark A. Renshaw and Brett P. Olds at the Oceanic Institute, Hawaii Pacific University. Research was funded by the U.S. Department of Defense’s Strategic Environmental Research and Development Program and was supported by the Notre Dame Environmental Change Initiative.

— RESEARCH NEWS —

Kareem leads new center to help predict the impact of natural disasters



Assessing the way structures perform in hazardous conditions

BY JESSICA SIEFF,
MEDIA RELATIONS

Each year natural hazards wreak havoc on vulnerable cities and communities. According to the National Climatic Data Center, part of the National Oceanic and Atmospheric Administration, the United States alone has seen costs exceed \$9 billion due to weather and climate related events so far this year.

Damage to infrastructure stemming from such events is a focus of the Computational Modeling and Simulation Center (SimCenter), a new center co-led by Notre Dame's **Ahsan Kareem**, Robert M. Moran Professor of Engineering in the Department of Civil and Environmental Engineering and Earth Sciences.

"The focus of the center is to develop a cloud-based computational platform to find solutions to complex problems in natural hazards engineering," Kareem says. "We want to advance the nation's capability to simulate the impact of natural hazards. Doing so would facilitate making informed decisions about the need for effective potential mitigation strategies."

Researchers will use advanced computational modeling and simulation software to look at various aspects of windstorms, storm surge, earthquakes and tsunamis, among other natural hazards, to assess how various structures would perform in the case of hazardous conditions.

Some of the advanced computational tools being developed via the center involve modeling individual structures to infrastructure systems, ground motion and wind field simulations, computational fluid dynamics modeling, data analytics, machine learning and uncertainty quantification on high-performance parallel computing resources.

The ultimate goal of the center is to develop a model to predict the impact of a natural disaster on an entire city — such as a coastal city in the path of a tropical storm or hurricane.

The research conducted by the SimCenter will help inform civil engineers, homebuilders and urban planners as they develop more effective and comprehensive strategies and practices. It will also facilitate development of intellectual infrastructure by providing researchers with advanced tools that may not be available to them otherwise, building a cadre of researchers, educators and innovators who are equipped with the expertise necessary to meet the challenges of the escalating costs of natural hazards and the impending

MITT CASHORE



Kareem

threat of climate change to the nation.

The SimCenter received an \$11 million grant as part of a larger effort funded by the National Science Foundation called the Natural Hazards Engineering Research Infrastructure (NHERI), which supports research on the impact of natural hazards on civil infrastructure.

In addition to his work at the center, Kareem is director of the NatHaz (Natural Hazards) Modeling Laboratory at Notre Dame and was recently selected as the 2017 recipient of the Masanobu Shinozuka Medal awarded by the American Society of Civil Engineers.

Researchers receive \$2.9 million for 5-year monsoon study

Study to help improve predictive models

BY JESSICA SIEFF,
MEDIA RELATIONS

For nearly 1 billion people living on the subcontinent of India, monsoon rainfall provides water for agriculture, drinking water and hydroelectricity production. The torrential rainfall also can lead to deadly floods and landslides. Scientists have grappled with reliably predicting monsoons in advance, but progress has been slow mainly due to lack of measurements of the phenomena believed to be the building blocks of monsoon weather.

University researchers are at the forefront of a five-year study to measure oceanic and atmospheric conditions and flow patterns of monsoons across the Indian Ocean, in particular Bay of Bengal, to help improve predictive models.

"We want to understand fundamental processes that regulate monsoons. The active and break cycles of rainfall within a monsoon season, called monsoon intraseasonal oscillations (MISO), are difficult to predict and involve intricate air-sea dynamics," said **Harindra Joseph Fernando**, Wayne and Diana Murdy Endowed Professor in the Department of Civil and Environmental Engineering and Earth Sciences at Notre Dame and principal investigator of the study. "Giant atmospheric wave patterns coming from the Indian Ocean impact countries such as India, Sri Lanka, Singapore and Seychelles, and they circumnavigate and affect global weather — much like we see with the polar vortex. The focus of our research is to look at how these planetary-scale waves shape the regional weather and understand the conditions for extreme rainfall events."

Current models can predict monsoon weather seven to 10 days out. Fernando hopes the study will help improve those predictions to several weeks.

While they bring severe weather to countries in their path, active phases of MISO events also carry a vital resource: water. Access to water is difficult in some countries affected by Asian monsoons, Fernando said. "For India and Sri Lanka, advanced predictions are important for water resource planners.

Knowing when the rains are coming in, where they're coming from and what their tracks are as early as possible would be a significant advantage for water resource management, allowing planners to allocate those resources more efficiently."

As part of the study, researchers will deploy a number of sophisticated instruments from research ships and an aircraft to measure the ocean and atmospheric properties over two monsoon cycles. They are interested in the temperature, salinity, humidity, flow velocities, turbulence, pressure and wave properties as well as global impacts of MISO events. These measurements will enable researchers to study physical and thermodynamic processes related to MISO.

A number of countries are partnering for the study. Recently Notre Dame signed a five-year memorandum of understanding with the government of Sri Lanka, which will be a main hub of the measurement program.

The funding for the study comes from the U.S. Office of Naval Research. The National Center for Atmospheric Research, National Aquatic Resources Research and Development Agency of Sri Lanka, Maldives Climate Observatory in Hanimaadhoo, Seychelles Meteorological Authority, Army Research Laboratory, Naval Research Laboratory and Charles River Analytics are also participating in the study.

MITT CASHORE



Fernando

Lab for Economic Opportunities receives funding awards totaling \$700,000

The Wilson Sheehan Lab for Economic Opportunities (LEO) has received multiple funding awards totaling nearly \$700,000 this summer to continue its work reducing poverty and improving lives through evidence-based programs and policies.

LEO, a research lab housed in Notre Dame's Department of Economics and founded in 2012, has received \$129,000 from the Laura and John Arnold Foundation to support its efforts to rigorously measure the impact of an innovative program, Stay the Course, which utilizes specialized case management to support persistence and completion among low-income community college students.

LEO also received \$540,000 from J-PAL North America, a regional office of the Abdul Latif Jameel Poverty Action Lab, based at the Massachusetts Institute of Technology, to support work on several initiatives through the J-PAL State and Local Innovation Initiative. In Rochester, New York, LEO is working with the City of Rochester and several community agencies to evaluate the impact of a professional mentoring program, Bridges to Success, on the low-income clients it is designed to move permanently out of poverty.



Monsoon floods in India

SERVICE ANNIVERSARIES

The University congratulates those employees celebrating significant service anniversaries in **August** and **September**:

50 Years

Cornelius F. Delaney,
Philosophy

45 Years

James L. Wittenbach,
Accountancy

40 Years

Cheryl L. Copley, Chemistry
and Biochemistry

Julia F. Knight, Mathematics
William F. McKinney,

Accounting Operations

David N. Ricchiute,
Accountancy

Kenneth F. Ripple, Law
School

John H. Van Engen, History

Shirley M. Wise, Bookstore

35 Years

Deborah A. Bang, Freimann
Animal Care Facility

David M. Betson, Economics
and Policy Studies

Michael C. Brownstein, East
Asian Languages and Cultures

Noreen Deane-Moran, English

JoAnn DellaNeva and

Maria R. Olivera-Williams,

Romance Languages and

Literatures

Thomas P. Flint, Philosophy

Nasir Ghiaseddin, Analytics

and Operations IT

Richard L. Gray, Art,

ArtHistory and Design

Eugene W. Halton, Sociology

Cynthia L. Hansen,

Service Center

Yih-Fang Huang, Electrical

Engineering

Suzanne Kowalski,

Shared Services

Eric L. Kuehner, **Alexander**

G. Lappin, **Patricia G.**

Laskowski and **Anthony S.**

Serianni, Chemistry and

Biochemistry

Wanda L. Marshall,

South Dining Hall

Clark Power, Program of

Liberal Studies

David F. Ruccio and

Jennifer L. Warlick, College of

Arts and Letters

Steven A. Srmek,

Rolf's Aquatic Center

Ting-Kin David Yeh,

Mendoza IT

30 Years

Sunny K. Boyd,

Biological Sciences

Steven A. Buechler, Applied

Computational Mathematics

and Statistics

Hsueh-Chia Chang, Chemical

and Biomolecular Engineering

Melissa L. Conboy, Athletics

Facilities and Sports Operations

Lisa M. Cunningham,

South Dining Hall

Deborah L. Fowler,

Custodial Services

Margaret L. Giles and **Karen**

F. Lanser, Hesburgh Libraries

David S. Hachen, Sociology

Brenda K. Jones, Shared

Services

Joshua B. Kaplan,

Political Science

Barbara C. Page, Security

Lisa K. Phillips, Risk

Management and Safety

Lori M. Rush, Development

Mei-Chi Shaw, Mathematics

Richard G. Sheehan, Finance

Stephen N. Smorin,

Mail Distribution

Cynthia L. Sykes, Athletics

Compliance and Legal

Jerry C. Wei, Analytics and

Operations IT

25 Years

Debra D. Acrey, Student

Organizations

Aaron B. Bales and **Thurston D.**

Miller, Hesburgh Libraries

Gail Bederman, History

Julia M. Braungart-Rieker,

Psychology

Jay B. Brockman,

College of Engineering

Sean R. Bryant, Landscape

Services

Kathleen A. Carr,

South Dining Hall

Danny Z. Chen, Computer

Science and Engineering

Edward J. Conlon, Management

and Organization

John H. Engel, Research and

Sponsored Programs Accounting

Annette L. Feirrell, Campus

Dining — Corby House

Daniel A. Handley,

Custodial Services

Michael L. Hemler, Finance

Bradley J. Malkovsky, Theology

A. James McAdams,

Political Science

Rosanne Molenda, Financial Aid

G. Felicitas Munzel, Program of

Liberal Studies

Thomas J. Nevala,

Athletic Business Office

Hugh R. Page and **Anita M.**

Stratton, First Year of Studies

Susan G. Sheridan, Anthropology

Kathleen K. Speybroeck,

Equipment Room

20 Years

Nora J. Besansky, **Frank H.**

Collins, **Kristin M. Lewis**,

Jeanne Romero-Severson and

David W. Severson, Biological

Sciences

Peter C. Burns, Civil and

Environmental Engineering and

Earth Sciences

John E. Conley and **Paul F.**

Doyle, Residence Halls Staff

Michael E. Connors and

Maxwell E. Johnson, Theology

Monica A. Cundiff, Joyce Center

Administration

Andrew B. Deliyannides and

Stuart Greene, English

Trang K. DoHoang, **Betty L.**

Wildrick, **Angela M. Williams**

and **Dawn A. Young**,

Custodial Services

Patrick J. Fay,

Electrical Engineering

James K. Foster,

Preprofessional Studies

Mary E. Frandsen, Music

Matthew E. Fulcher and **Dayle**

Seidenspinner-Nunez, College of

Arts and Letters

Robin R. Hoepfner,

First Year of Studies

Patrick G. Holmes, Academic

Services for Student-Athletes

Thomas M. Kellenberg,

Washington, D.C.

Scott J. Kirner, **Bart D. Loeb**
and **Michael S. Rafferty**, Campus
Technology Services

Maureen M. Lakin and **Jean C.**

McManus, Hesburgh Libraries

Brian T. Lohr, Admissions

Julia J. Marvin, Program of

Liberal Studies

Tadeusz R. Mazurek, Classics

James J. McKenna, Anthropology

Janine E. Meersman, Associate

VP Undergraduate Enrollment

Arenda J. Murray, South

Dining Hall

Karen E. Richman,

Institute for Latino Studies

Karen P. Schneider Kirner,

Campus Ministry

David A. Smith, Psychology

Sergei Starchenko, Mathematics

Bernardine L. Stein, Customer

IT Solutions

Robert E. Sullivan, History

Anthony F. Sutton,

Sports Medicine

Lana M. Taylor, Office of

Campus Safety

Diannah R. Thibault,

St. Michael's Laundry

Troy L. Tucker, General Services

Kathleen F. Werner, Romance

Languages and Literatures

Christina K. Wolbrecht,

Political Science

15 Years

John A. Blacklow, Music

David E. Campbell,

Political Science

Myra S. Chamblee,

Shared Services

Kay Ernsberger,

Preprofessional Studies

Marcia M. Erp,

South Dining Hall

Robert Fox and **Patricia L.**

O'Rourke, Hesburgh Libraries

Agustin Fuentes, Anthropology

Peter D. Holland, Film,

Television and Theatre

Romana C. Huk, English

Joyce Jodway, Huddle

Jessica N. Kayongo,

Hesburgh Libraries

Mark Kocovski,

Human Resources

J. Nicholas Laneman,

Electrical Engineering

Sara C. Liebscher, Development

Xinyu Liu, Physics

Carey Lohraff, Au Bon Pain

Nelson Mark and **James X.**

Sullivan, Economics

David T. Mayernik,

School of Architecture

Sarah E. McKibben, Irish

Language and Literature

Rory M. McVeigh, Sociology

Justin Moody, North Dining Hall

Scott C. Morris and **Nancy**

L. O'Connor, Aerospace and

Mechanical Engineering

Lucille A. Nate, Law School

Joshua J. Noem,

Alumni Association

Margaret R. Pfeil, Theology

Christina Ries, Institute for

Scholarship in the Liberal Arts

Holly Rivers, Kellogg Institute for

International Studies

Leigh A. Roberts, Payroll Services

Michael A. Roberts,

Radiation Laboratory

Innocent Rungenga, Morris Inn

Douglas A. Shoue,

Biological Sciences

Mark B. Thesing, Mendoza

College of Business

David Thornton, Library Law

Kara L. Turner, Registrar

Sau-Thi Vo, South Dining Hall

Nisa Wagner, St. Michael's

Laundry

10 Years

Eishau S. Allen, **Eric B. Amos**,

Sherry Q. Johnson and

Christia L. Wolf, North

Dining Hall

Guadalupe Alvarez, **Melissa**

Clingaman and **Canary**

Wright, Custodial Services

Corey M. Angst, IT, Analytics

and Operations

Brandon L. Ashfeld,

Chemistry and Biochemistry

Ann W. Astell, Theology

Brad A. Badertscher, **Jeffrey J.**

Burks, **James L. Fuehrmeyer**

and **Brian R. Levey**,

Accountancy

Zygmunt G. Baranski, **Vanesa**

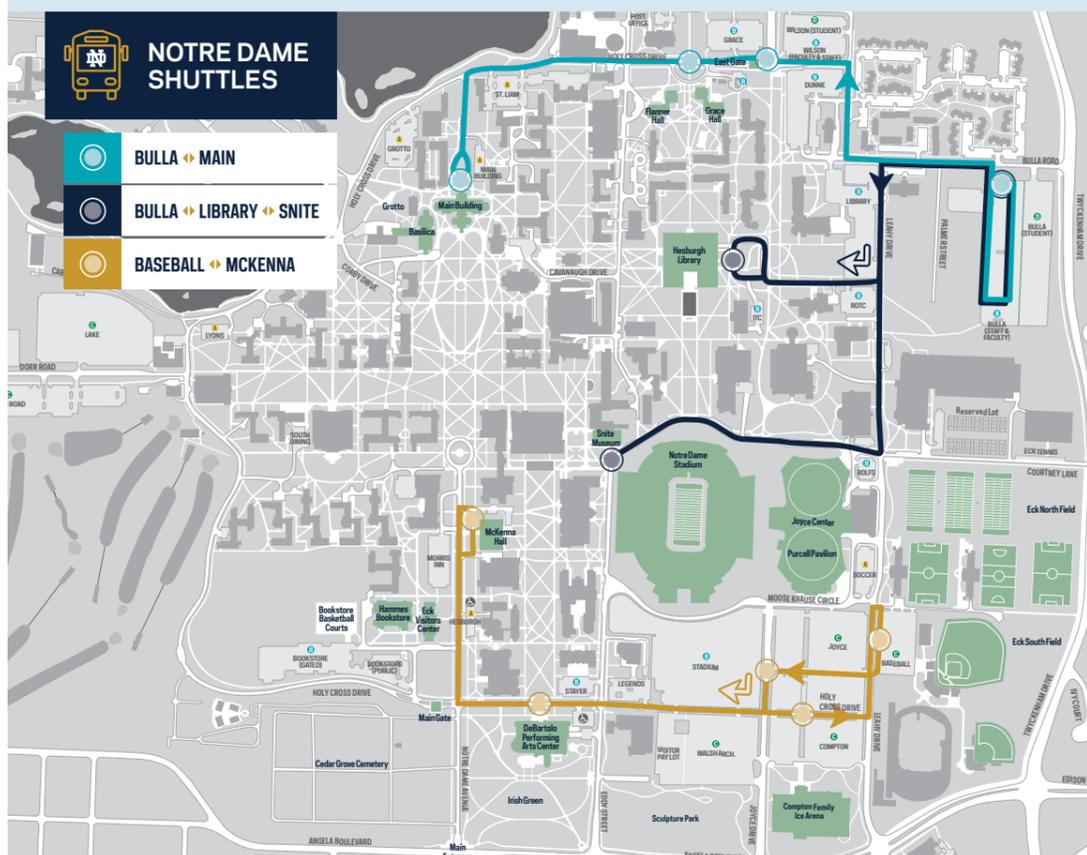
A. Miseres, **Marisel C.**

Moreno, **Sandra M. Teixeira**

and **Juan M. Vitulli**, Romance

Languages and Literatures

University expands shuttle service



Based on the Parking Committee's recommendations, the University is both increasing the number of shuttle buses and expanding to three shuttle routes beginning Monday, Aug. 14.

The goal of the Notre Dame Shuttle is to transport the campus community as close as possible to the interior of campus and as quickly as possible. The routes will run continuously from 7 a.m. to 7 p.m. Monday through Friday. Buses will arrive at each location approximately every ten minutes.

The shuttle routes are:

- Bulla to Main
- Bulla to Library to Snite
- Baseball to McKenna.

In addition, the University has partnered with Doublemap to offer real-time tracking of shuttle buses through the **NDmobile app**.

Visit transportation.nd.edu for additional information.

Solar array latest addition to Notre Dame's sustainability commitment

BY SUE LISTER, MEDIA RELATIONS

In 2015, President **Rev. John I. Jenkins, C.S.C.**, announced a commitment to reduce the University's carbon footprint by more than half by 2030. A new 144.72-kilowatt ground-mounted solar photovoltaic system, located at its Kenmore Warehouse on North Kenmore Street in South Bend, is the latest addition to Notre Dame's sustainability efforts to meet its goals.

With 432 solar modules installed

on a ground-based rack, the system is a first of this size for Notre Dame. Smaller solar installations exist on campus on the roofs of Stinson-Remick Hall and Fitzpatrick Hall.

The Kenmore Warehouse solar array is connected to the main electric power feed for the building, which is used primarily for University storage. The solar array is expected to offset a portion of the purchased electric power consumption of the warehouse by generating approximately 194,000 kilowatt hours of electricity annually,

representing nearly one third of the total electricity used by the 5.77-acre facility. In a net-metering agreement with Indiana Michigan Power, any power generated in excess of the building's immediate demand will be fed into the local electric grid for use by the power company.

"The Kenmore Warehouse solar installation is another important component of the University's sustainability commitment," said **John Affleck-Graves**, Notre Dame executive vice president. "Along with solar power applications, we are implementing a number of strategies to reduce our carbon footprint to be good stewards of our environment."

The system, which was installed by Inovateus Solar of South Bend, is estimated to reduce the University's carbon dioxide emissions by some 296,000 pounds the first year, and nearly 2,000 tons over its lifespan of some 20 years. Those avoided emissions are equivalent to removing 25 automobiles from the roads or planting more than 31 acres of trees.

The Kenmore solar project is one

element in the University's overall sustainability efforts. Additional projects include:

- **Gas turbine technology** — The University will install combined cycle combustion gas turbines to produce both electricity and steam. These units will displace older power plant boilers with newer, higher efficiency and lower emissions sources of energy.
- **Geothermal applications** — Geothermal systems have been installed at numerous sites across campus including sites near McCourtney Hall, Ricci Family Fields and Notre Dame Stadium.
- **Hydro power** — The University is currently working with the city of South Bend and state and federal agencies to permit and construct a hydroelectric facility on the St. Joseph River dam in downtown South Bend.
- **Heat recovery** — Numerous projects are both underway and in

the planning phases to recover and regenerate energy from existing energy sources, such as the power plant's condenser water.

Notre Dame has been working to reduce its carbon footprint for more than a decade. The University has lowered emissions from its power plant by nearly 40 percent from 2005 levels, and in an effort to reduce carbon emissions from its campus combined heat and power plant, the University has reversed its use of coal from 85 percent to 15 percent in recent years. The majority of energy input to the power plant (about 85 percent) now comes from natural gas. The campus combined heat and power plant provides not just electricity, but also steam to heat campus buildings and hot water and to serve various other processes. Steam is also used in part to produce chilled water for air conditioning.

Notre Dame currently generates about 50 percent of the University's electrical energy needs, with the other half coming through the purchase of power.



The solar array at the Kenmore Warehouse

NEW EMPLOYEES

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

Brook-Lin Acker, Tiffany A. Batson, Trayvon C. Calhoun, Annice R. Carter, Jeffrey D. Elowsky, Sara L. Ernsperger, Skylar A. Gunn, Porscha T. Hill, Ryan A. Konrath, Nathan A. Pharris, Tyler D. Rouse, Iredell Sanders, Rosemary Stuckey, Anthony B. Weston and Alexis I. Williams, Custodial Services
Sara N. Agostinelli, Gender Relations Center
Ryan L. Angel, Office of Research
Stephen C. Barany, Institute for Church Life
Adam M. Callender, Joyce Center Technical Services

Andrew J. Chilafao and **Rebecca L. Ryan**, Naval Science
Corey D. Cole, Fire Protection
Mariah L. Cressy, Emily M. Schmid and **Sarah J. Yaklic**, Office of VP for Mission Engagement
Juan S. Deleon, Joel M. Gibbs, David P. Godollei and **Timothy O. Perkins**, Maintenance
Cody A. Denman, Elysia M. Jimenez, **Joseph H. Littell**, **Deborah S. Lyon**, Tyler R. Newsome and **Kelsey E. Rankel**, Morris Inn
Todd D. Dion, Recreational Sports
Walker C. Embrey, Financial Aid
Kevin P. Fitzsimmons, **Bridgette M. McDermott**, **Kathryn E.**

Moran, Maria C. Murphy, **Nicole A. Raftery**, **Carmen C. Rivera**, and **Michael R. Zelenka**, Alliance for Catholic Education
Tracy L. Fronk, Customer IT Solutions
Karyn J. Galloway, Athletics
Digital Media
Melissa R. Jackson, Marketing Communications
Richard G. Jones, American Studies
Kyle A. Kelly and **Michael B. Szemborski**, Varsity Strength and Conditioning
Nam Yoon Kim, Psychology
Sarah Kroeger, Department of Economics
Erin S. Lavin, Institute for Educational Initiatives

Constanza A. Lengerich Ulloa, VP and Associate Provost for Innovation
Agnieszka Marczak Czajka, Center for Research Computing
Stephen Q. Nekic, **Patricia A. Kokesh** and **Lavarr D. Barnett**, Development
Alice A. Obermiller, GBP Student Services
Taylor L. Poulin, Snite Museum
Andrea M. Ringer, Lab for Economic Opportunities
Guieswende H. Rouamba, Center for the Study of Language and Culture
Elizabeth E. Rudt, Flatley Center for Undergraduate Scholarly Engagement

Rebecca Ruvalcaba, Campus Ministry
Mark C. Schult, User Services
Terrence M. Shaw, Office of Community Standards
Ryan T. Spurr, Office of Campus Safety
David J. Stabrawa, Fencing
Katherine E. Warner, Center for Social Concerns
Rebecca A. Williams, Joan B. Kroc Institute for International Peace
Katherine A. Wynne, Office of Associate VP-Student Services



For general RecSports information, please visit recsports.nd.edu.

FACILITIES & INFO

Effective Aug. 21 – Dec. 7. Schedules are subject to change. Visit recsports.nd.edu for hours of operation during breaks, holidays, home football game days, and special campus events.

Rolfs Sports Recreation Center 574-631-3068
 Monday – Friday: 5:45 a.m. – 11 p.m.
 Saturday: 9 a.m. – 11 p.m. • Family Hours 9 a.m. – noon
 Sunday: Noon – 11 p.m. • Family Hours noon – 2 p.m.

Rockne Memorial 574-631-5297
 Monday – Thursday: 6 a.m. – 11 p.m.
 Friday: 6 a.m. – 11 p.m.
 Saturday & Sunday: 10 a.m. – 11 p.m.
 Family Hours 2 – 5 p.m.

F.A.S.T. (Faculty and Staff Training) Classes

Try any F.A.S.T. Classes for free during *Try it You'll Like it Week*, Aug. 21 – 25. Just show up! Spots are limited and are on a first come, first served basis. Registration for F.A.S.T. Classes begins on Tuesday, Aug. 22 at 7:30 a.m. via RecRegister at recsports.nd.edu. Registration is ongoing until classes are full. Classes meet Aug. 21 – Dec. 15. Classes will not meet on Nov. 23 and 24 (Thanksgiving Break).

DAY	CLASS	INSTRUCTOR	LOCATION	PRICE
Monday				
9 – 10 a.m.	Yoga	Steve	RSRC AR 1	\$70
Noon – 12:45 p.m.	Pump It Up	Sara	RSRC AR 2	\$30
12:15 – 12:45 p.m.	Zumba® Step N Tone	Amy	RSRC AR 1	\$30
4:30 – 5:15 p.m.	Cardio Sculpt	Indiana	RSRC AR 2	\$30
Tuesday				
9 – 10 a.m.	Body Sculpt	Sara	RSRC AR 2	\$30
12:15 – 12:45 p.m.	Zumba®	Angelica	RSRC AR 1	\$30
12:15 – 12:45 p.m.	Flex N Tone	Indiana	RSRC AR 2	\$30
Wednesday				
9 – 10 a.m.	Yoga	Steve	RSRC AR 1	\$70
12:15 – 12:45 p.m.	Express Bootcamp	Amy	RSRC AR 2	\$30
4:30 – 5:15 p.m.	Flex N Tone	Indiana	RSRC AR 1	\$30
Thursday				
9 – 10 a.m.	Cardio Sculpt	Sara	RSRC AR 2	\$30
Noon – 12:45 p.m.	Pump It Up	Sara	RSRC AR 2	\$30
12:15 – 12:45 p.m.	Cardio Step	Indiana	RSRC AR 1	\$30
Friday				
12:15 – 12:45 p.m.	Cardio Express	Indiana	RSRC AR 2	\$30



GROUP FITNESS CLASSES

Try any Group Fitness Classes for free during *Try it You'll Like it Week*, Aug. 21 – 27. Just show up! Spots are limited and are on a first come, first served basis. Registration for Group Fitness Classes begins on Thursday, Aug. 24 at 7:30 a.m. via RecRegister. Registration is ongoing until classes are full. Classes meet Aug. 21 – Dec. 7. *Exception: Wednesday Cardio Dance will begin on Nov. 1. Classes will not meet Oct. 15 – 22 (Fall Break) or Nov. 23 and 24 (Thanksgiving Break).

DAY	CLASS	INSTRUCTOR	LOCATION	PRICE
Monday				
6:15 – 7 a.m.	Sunrise Cycle	Indiana	Rockne B020	\$50
5:30 – 6:15 p.m.	Indoor Cycling	Angela	Rockne B020	\$50
5:30 – 6:30 p.m.	Yoga	Steve	Rockne 205	\$60
5:30 – 6:30 p.m.	Zumba®	Amy	RSRC AR 1	\$25
5:30 – 6:30 p.m.	Cardio Sculpt	Alyssia	RSRC AR 2	\$25
6:45 – 7:45 p.m.	Vinyasa Flow Yoga	Grace	Rockne 205	\$60
6:45 – 7:45 p.m.	Pump It Up	Katie	RSRC AR	\$25
Tuesday				
6:15 – 7:15 a.m.	Power Yoga	Steve	RSRC AR 1	\$60
12:15 – 12:45 p.m.	Cycle Express	Dawn	Rockne B020	\$25
5:30 – 6:30 p.m.	Power Yoga Flow	Steve	Rockne 205	\$60
5:30 – 6:30 p.m.	Cardio Kickboxing	Indiana	RSRC AR 1	\$25
5:30 – 6:30 p.m.	Barre	Patty	RSRC AR 2	\$25
6:45 – 7:45 p.m.	Werq	Natalie	RSRC AR 1	\$25
Wednesday				
6:15 – 7 a.m.	Sunrise Cycle	Indiana	Rockne B020	\$25
Noon – 1 p.m.	Yoga	Steve	RSRC AR 1	\$60
12:15 – 12:45 p.m.	Cycle Express	Sara	Rockne B020	\$25
5:45 – 6:30 p.m.	Indoor Cycling	Indiana	Rockne B020	\$50
5:30 – 6:30 p.m.	Yoga	Steve	Rockne 205	\$60
5:30 – 6:30 p.m.	Cardio Dance	Courtney K	RSRC AR 1	\$25
Thursday				
6:15 – 7:15 a.m.	Power Yoga	Grace	RSRC AR 1	\$60
9 – 10 a.m.	Pilates Mat	Patty	RSRC AR 1	\$60
12:15 – 12:45 p.m.	Cycle Express	Dawn	Rockne B020	\$50
4:30 – 5:15 p.m.	Cardio Core	Indiana	RSRC AR 2	\$25
5:30 – 6:15 p.m.	Indoor Cycling	Dawn	Rockne B020	\$50
5:30 – 6:30 p.m.	Cardio Bootcamp	Indiana	RSRC AR 2	\$25
6:45 – 7:45 p.m.	Vinyasa Flow Yoga	Courtney C	Rockne 205	\$60
6:45 – 7:45 p.m.	Zumba®	Maria	RSRC AR 1	\$25
Friday				
6:15 – 7 a.m.	Sunrise Cycle	Indiana	Rockne B020	\$50
Noon – 1 p.m.	Yoga	Steve	RSRC AR 1	\$60
Sunday				
12:30 – 1:30 p.m.	Werq	Natalie	RSRC AR 2	\$25
1 – 2 p.m.	HIIT Yoga	Jackie	RSRC AR 1	\$60

Instructional Series

Registration for Instructional Series begins on Thursday, Aug. 24, at 7:30 a.m. via RecRegister. Exception: For classes that begin after Fall Break (the beginning of Spring Break), registration begins Oct. 13. No classes held on Oct. 16, 19, or Nov. 21-23.

CLASS/DAY/TIME	INSTRUCTOR	LOCATION	DATES	PRICE
Dance				
Beginner Ballet				
Mondays 8 – 8:55 p.m.	Joann	RSRC AR 2	Sept. 4 – Nov. 13	\$45
Intermediate Ballet				
Mondays 9 – 9:55 p.m.	Joann	RSRC AR 2	Sept. 4 – Nov. 13	\$45
Partner Latin Dance				
Thursdays 8 – 9 p.m.	Ramzi	RSRC AR 1	Sept. 7 – Nov. 16	\$45
Martial Arts				
Tai Chi				
Mondays 5:30 – 6:30 p.m.	Br. Ray	Rockne 109	Sept. 4 – Nov. 13	\$45
Sport				
Beginner Tennis				
Tuesdays 7 – 8 p.m.	Jennie	Eck Tennis Center	Sept. 5 – Oct. 10	\$45
Advanced Beginner Tennis				
Tuesdays 7 – 8 p.m.	Jennie	Eck Tennis Center	Oct. 24 – Dec. 5	\$45
TRX®				
TRX® Series 1				
Fridays 12:15 – 1 p.m.	Mac	Rockne 109	Sept. 8 – Oct. 13	\$25
TRX® Series 2				
Fridays 12:15 – 1 p.m.	Mac	Rockne 109	Oct. 27 – Dec. 8	\$25
Women's Self-Defense				
Basic R.A.D				
Wednesdays 6 – 8 p.m	NDSP	Rockne 109	Oct. 25 – Dec. 6	\$45

INTRAMURAL SPORTS

Various Intramural Sports offer leagues and the opportunity for Notre Dame graduate students, faculty and staff to participate. Registration opens at 6 a.m. on registration open date and ends at 8 p.m. on registration close date. Spots are limited and will be taken on a first come, first serve basis. To register, you must first create an account through IMLeagues. Once your account is created, you can register a team to play or as a free agent. Once your team is registered, you must pay by the following Wednesday online via RecRegister or in person at the Rolfs Sports Recreation Center. Visit recsports.nd.edu for more information.

SPORT	REGISTRATION	DATES	PRICE
Sand Volleyball	Aug. 28 – 29	Sept. 4 – 24	\$25
Tennis Singles	Aug. 28 – 29	Sept. 4 – 5	\$10
Flag Football	Sept. 11 – 12	Sept. 17 – Oct. 11	\$55
Badminton Singles Tournament	Sept. 11 – 12	Sept. 17	\$5
7 vs. 7 Indoor Soccer	Sept. 11 – 12	Sept. 18 – Oct. 12	\$55
Individual Cross Country	Sept. 11 – 12	Sept. 21 – Oct. 3	\$5
4 Person Golf Scramble	Sept. 11 – 12	Sept. 24	\$50
Dodgeball	Sept. 18 – 19	Sept. 26 – Oct. 11	\$25
Volleyball	Sept. 25 – 26	Oct. 1 – 29	\$25
Broomball	Sept. 25 – 27	Oct. 2 – Nov. 1	\$100
Basketball	Oct. 2 – 3	Oct. 23 – Nov. 12	\$55
Racquetball Singles	Oct. 30 – 31	Nov. 5	\$5
Wiffleball	Oct. 30 – 31	Nov. 6	\$25
Floor Hockey	Oct. 30 – 31	Nov. 9	\$20
Basketball	Nov. 27 – 28	Jan. 21	\$55

SPECIAL EVENTS

EVENT	DATE	TIME	LOCATION	PRICE
Domer Run	Oct. 7	9 a.m.	Irish Green	\$15 (Fun Walk) \$24 (5K) • \$30 (10K)

AMERICAN RED CROSS ADULT CPR/AED AND FIRST AID

RecSports offers American Red Cross Adult CPR/AED and First Aid certification courses. This blended course combines award-winning, engaging and interactive online simulation learning plus an in-person classroom session to learn and practice critical lifesaving skills for certification. All schedules are subject to change. Visit recsports.nd.edu for more information and to register. All sessions meet in Rockne Memorial Rooms 109 and 110.

DATE & TIME	PRICE	REGISTER BY
Aug. 21 • 2 – 3 p.m.	\$60	Aug. 19
Aug. 27 • Noon – 1 p.m.	\$60	Aug. 25
Sept. 24 • 1 – 2 p.m.	\$60	Sept. 22
Oct. 29 • 5 – 6 p.m.	\$60	Oct. 27
Dec. 3 • 11 a.m. – Noon	\$60	Dec. 1



LimeBikes arrive on Notre Dame's campus

SUE LISTER, MEDIA RELATIONS

The University has unveiled a dockless bike sharing program with LimeBike, adding 175 bright green bikes to campus for student, faculty, staff and visitor use. LimeBike's recently launched partnership with the city of South Bend will complement Notre Dame's program as bikes can be shared throughout campus and around town.

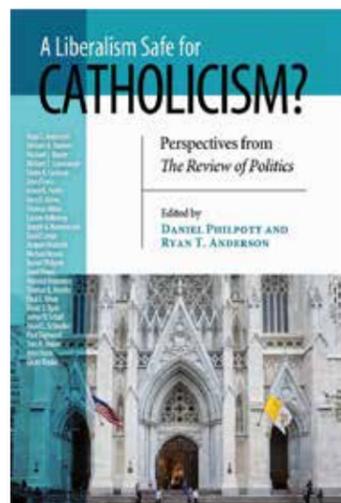
LimeBike technology allows riders to locate and unlock any LimeBike using a mobile app. Riders ride to their destination, park the bike in an acceptable location and lock it to end the ride. A discounted rate of 50 cents per 30 minutes is offered to riders using an email address ending in nd.edu. LimeBike maintains and services the bicycles, and their employees rebalance bike locations daily to ensure that bikes are evenly distributed throughout the coverage area.

Notre Dame becomes just the second college or university to partner with LimeBike, along with University of North Carolina at Greensboro. Saint Mary's College and Holy Cross College have also recently signed agreements with LimeBike that will provide the tri-campus communities the ability to utilize the program.



PHOTO PROVIDED

From Notre Dame Press



Daniel Philpott, professor of political science, and Ryan T. Anderson, senior research fellow at the Heritage Foundation, have edited a new book titled "A Liberalism Safe for Catholicism? Perspectives from The Review of Politics."

This volume is the third in The Review of Politics series, following "The Crisis of Modern Times" edited by A. James McAdams (2007) and "War, Peace, and International Political Realism" edited by Keir Lieber (2009). Editors Philpott and Anderson chronicle the relationship between the Catholic Church and American liberalism as told through 27 essays selected from the history of The Review of Politics, dating back to the journal's founding in 1939.

Catholic Book Awards

Five books published by the University of Notre Dame Press received awards in the 2017 Catholic Press Association Book Awards.

"The Spirit, the Affections, and the Christian Tradition" edited by Dale M. Coulter and Amos Yong was named 2017 Catholic Press Association Book Award, First Place in Spirituality: Hard Cover. The judges say, "Rare is the academic collection, with so many contributors, that coheres as a book. This one does, and a fine book it is."

Tomaš Halík's "I Want You to Be: On the God of Love" won the 2017 Catholic Press Association Book Award, First Place in Theology.

The judges call this book—which embraces the possibility that "God approaches us more as a question than an answer"—"a compelling text for uncertain times."

"The Shamrock and the Cross: Irish American Novelists Shape American Catholicism" by Eileen P. Sullivan was named the 2017 Catholic Press Association Book Award, First Place in Immigration. "Well-written, intellectually satisfying, and free from polemics, Dr. Sullivan's book deserves a wide readership," write the judges.

Michael Plekon's "Uncommon Prayer: Prayer in Everyday Experience" received the 2017 Catholic Press Association Book Award, Third Place in Prayer. The

judges say, "This is a book about the way prayer pervades or can pervade all that we are and do. It offers rich examples from the lives of the saintly and ordinary including the author's own experiences of life and prayer."

"Four Scraps of Bread" by Magda Hollander-Lafon won the 2017 Catholic Press Association Book Award, Second Place in Ecumenism or Interfaith Relations. Judges wrote, "This potent, deeply personal collection of graphic vignettes, each no longer than a page or two, stemming from the author's Holocaust experience as a Hungarian Jew, speaks volumes."

ND Arts

SEPTEMBER 2017

THEATER

ND Theatre NOW: Rhinoceros
Notre Dame Film, Television, and Theatre

7:30-9:30 p.m. Thursday, Sept. 28
7:30-9:30 p.m. Friday, Sept. 29
2:30-4:30 p.m. Sunday, Oct. 1

Tickets \$
Philbin Studio Theatre
A rhinoceros suddenly appears in the streets. Then another. One by one, townspeople succumb to an epidemic that transforms them into rhinos — until only one resists. An absurdist classic by Eugène Ionesco inspired by the rise of fascism in Europe. Directed by senior Abbey Schnell. Event includes mature or adult content.

SHAKESPEARE AT NOTRE DAME

Much Ado About Nothing

Notre Dame Shakespeare Festival Professional Company
Patricia George Decio Theatre
Tickets \$10-\$40;
Aug. 17 Season Gala, \$85
When men come home from war, marriage is on their minds, but will all end well in Shakespeare's much-beloved comedy? Actors Theatre of Louisville regular Drew Fracher sets the play to the tunes of the mid-1940s, drawing on popular big band music of the Second World War. Our star-spangled production will keep your toes tapping and bring tears to your eyes, but "how much better is it to weep at joy, than to joy at weeping?" Featuring Angela Ingersoll as Beatrice and Cameron Knight as Benedick.
7:30 p.m. Wednesday, Aug. 16
7:30 p.m. Thursday, Aug. 17
7:30 p.m. Friday, Aug. 18 (Season Gala)
2 and 7:30 p.m. Saturday, Aug. 19
2 and 7:30 p.m. Sunday, Aug. 20
7:30 p.m. Tuesday, Aug. 22
7:30 p.m. Wednesday, Aug. 23
7:30 p.m. Thursday, Aug. 24
7:30 p.m. Friday, Aug. 25
2 and 7:30 p.m. Saturday, Aug. 26
2 p.m. Sunday, Aug. 27

Twelfth Night

Notre Dame Shakespeare Festival's Touring Company
6:30-8 p.m. Monday, Aug. 21
Outdoors on the lawn of the Main Quad
Enjoy Shakespeare's classic comedy in front of the Golden Dome on the eve of the fall term. Our 80-minute modern take on "Twelfth Night" features live music and a talented cast of collegiate actors. Bring a blanket, snacks, and the whole family for an idyllic night of free theater.

THE PRESENTING SERIES

Look at the world through another lens ... the DeBartolo Performing Arts Center's 2017-2018 season launches Sept. 15 with a performance by soprano Deborah Voigt.

"With the help of our academic and community partners, we are offering one-of-a-kind experiences, accompanied by conversations between you and some of the finest minds in the art of live performances today," says director **Ted Barron**. "We've rededicated ourselves to becoming the destination where artists, scholars, students, and audiences converge to create and connect as one community. Come and see what's next — a new vision for the Presenting Series starts now!"

Save with Choose Your Season: Pick three to five Presenting Series performances and save up to 15 percent on ticket prices; choose six or more and save up to 25 percent (a larger discount than the 10 percent discount faculty and staff normally receive on tickets.) See more at performingarts.nd.edu/newseason.

MUSIC

Deborah Voigt, soprano

Presenting Series
7:30 p.m. Friday, Sept. 15; \$40
Leighton Concert Hall
Co-sponsored by the Department of Music.
Deborah Voigt has made her mark on operatic and concert stages as a down-to-earth diva with a remarkably varied repertoire. Critics have lauded Voigt for her "lyricism, beauty of tone and dramatic acuity" as well as her "impressive aura and voice." She is internationally revered for her performances in the operas of Wagner and Strauss and is an active performer and recitalist of Broadway standards and popular songs. Curated in collaboration with Professor of Music Theory **Peter H. Smith**.

Quetzal

Presenting Series
7:30 p.m. Friday, Sept. 22; \$30
Leighton Concert Hall
Co-sponsored by Institute for Latino Studies.
The Grammy Award-winning Chicano band Quetzal is influenced by the East L.A. rock soundscape of Mexican ranchera, cumbia, salsa, rock, R&B, folk, and fusions of international music. They use their artistic platform to sound out again oppression and marginalization, and their political vision is grounded in activism,



Deborah Voigt



La Bohème

feminism, and a belief in the radical potential of traditional cultural expression. Curated in collaboration with assistant professor of anthropology Alex E. Chávez.

DEPARTMENT OF FILM, TELEVISION, AND THEATRE 2017-2018 SEASON

Subscription packages include one ticket to all four shows, \$33 for faculty, staff and senior citizens (65+); students \$22

ND Theatre NOW: Rhinoceros

Thursday, Sept. 28 through Sunday, Oct. 8
Philbin Studio Theatre
No one believes they'll turn into a rhinoceros...until they do.
By Eugène Ionesco. A student-driven project directed by FTT senior Abbey Schnell.

The Importance of Being Earnest

Decio Mainstage Theatre
Wednesday, Nov. 8, 2017 - Sunday, Nov. 12
A trivial comedy for serious people, by Oscar Wilde

Native Gardens

Philbin Studio Theatre
Thursday, Feb. 22, 2018 - Sunday, March 4
By Karen Zacarias. Good fences make good neighbors...or do they? A good natured comedy about a backyard border wall.

Spring Awakening

Decio Mainstage Theatre
Wednesday, April 18 - Sunday, April 22
Book and lyrics by Steven Sater, music by Duncan Sheik. Based on the play by Frank Wedekind. A musical explosion of adolescent angst and repressed sexuality.

THE MET: LIVE IN HD

Ten broadcasts. New productions. Starry revivals! Catch the 2017-2018 season at the Browning Cinema. Special ticket pricing is available with the purchase of season tickets (\$200).

Norma

Saturday, Oct. 7
This new production of Bellini's masterpiece stars Sondra Radvanovsky as the Druid priestess and Joyce DiDonato as her rival, Adalgisa—a casting coup for bel canto fans. Tenor Joseph Calleja is Pollione, Norma's unfaithful lover, and Carlo Rizzi conducts. Sir David McVicar's evocative production sets the action deep in a Druid forest where nature and ancient ritual rule.

Die Zauberflöte

Saturday, Oct. 14
Music Director Emeritus James Levine conducts the full-length German version of Mozart's magical fable, seen in Julie Taymor's spectacular production, which captures both the opera's earthy comedy and its noble mysticism.

The Exterminating Angel

Saturday, Dec. 2
Following the rapturous response to his last opera, *The Tempest*, the Met presents the American premiere of Thomas Adès's *The Exterminating Angel*, inspired by the classic Luis Buñuel film of the same name. Hailed by the *New York Times* at its 2016 Salzburg Festival premiere as "inventive and audacious ... a major event," *The Exterminating Angel* is a surreal fantasy about a dinner party from which the guests can't escape. Tom Cairns, who wrote the libretto, directs the new production, and Adès conducts his own adventurous new opera. The ensemble cast features Audrey Luna as Leticia Maynar, Amanda Echazal as Lucia de Nobile, and Christine Rice as Blanca Delgado.

Tosca

Saturday, Jan. 27
Rivaling the splendor of Franco Zeffirelli's set and costumes of the Napoleonic era, Sir David McVicar's ravishing new production offers a splendid backdrop for Sonya Yoncheva as the jealous prima donna. Vittorio Grigolo reprises the role of Tosca's revolutionary artist lover Cavaradossi, with Bryn Terfel, Michael Volle, and Željko Lucić as the depraved police chief Scarpia. James Levine conducts.

L'Elisir d'Amore

Saturday, Feb. 10
Pretty Yende debuts a new role at the Met with her first Adina opposite Matthew Polenzani, who enthralled Met audiences as Nemorino in 2013 with his ravishing "Una furtiva lagrima." Bartlett Sher's production is charming, with deft comedic timing, but is also emotionally revealing against the backdrop of the Risorgimento, the movement for Italian independence, as it began gathering momentum in 1836. Domingo Hindoyan conducts.

La Bohème

Saturday, Feb. 24
The world's most popular opera returns in Franco Zeffirelli's classic production, with a series of exciting casts. Sonya Yoncheva the role of the fragile Mimì, with Michael Fabiano as the poet Rodolfo. Marco Armiliato conducts.



Shakespeare London



Quetzal

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.

Tickets for Browning Cinema movies are \$6 for faculty/staff, \$5 for those 65 and up, and free for Notre Dame students, unless otherwise noted on the website. Visit performingarts.nd.edu for more information or to purchase tickets, or call the Ticket Office at 631-2800.

Semiramide

Saturday, March 10
This masterpiece of dazzling vocal fireworks makes a rare Met appearance—its first in nearly 25 years—with Maurizio Benini on the podium. The all-star bel canto cast features Angela Meade in the title role of the murderous Queen of Babylon, who squares off in breathtaking duets with Arsace, a trouser role sung by Elizabeth DeShong. Javier Camarena, Ildar Abdrazakov, and Ryan Speedo Green complete the stellar cast.

Così fan Tutte

Saturday, April 7
A winning cast comes together for Phelim McDermott's clever vision of Mozart's comedy about the sexes, set in a carnival-esque, funhouse environment inspired by 1950s Coney Island—complete with bearded ladies, fire eaters, and a Ferris wheel. Manipulating the action are the Don Alfonso of Christopher Maltman and the Despina of Tony Award-winner Kelli O'Hara, with Amanda Majeski, Serena Malfi, Ben Bliss, and Adam Plachetka as the pairs of young lovers who test each other's faithfulness. David Robertson conducts.

Luisa Miller

Saturday, April 14
James Levine and Plácido Domingo add yet another chapter to their legendary Met collaboration with this rarely performed Verdi gem, a heart-wrenching tragedy of fatherly love. Sonya Yoncheva sings the title role opposite Piotr Beczala in the first Met performances of the opera in more than ten years.

Cendrillon

Saturday, April 28
For the first time ever, Massenet's sumptuous take on the Cinderella story comes to the Met. Joyce DiDonato stars in the title role, with mezzo-soprano Alice Coote in the trouser role of Prince Charming, Kathleen Kim as the Fairy Godmother, and Stephanie Blythe as the imperious Madame de la Haltière. Bertrand de Billy conducts Laurent Pelly's imaginative storybook production.

What's happening at the Snite?



Willie Cole

PHOTO PROVIDED

"FINDING beauty in the commonplace — some may even say banal — is one of artist Willie Cole's strengths. His ability to rejigger the consumer world around us into something more fantastic creates the illusion that his art springs from the mystical intersection of folk culture, utility, design, contemporary art and mythology."

— Hrag Vartanian, critic, editor-in-chief and co-founder of the arts blog Hyperallergic

Making Everything Out of Anything: Prints, Drawings and Sculptures by Willie Cole
 Sunday, Aug. 20, to Sunday, Nov. 26
 O'Shaughnessy Galleries II and III

American artist Willie Cole's work repurposes everyday objects such as steam irons, ironing boards, hair dryers, bicycle parts, and women's shoes to create works that reference African art, cultural identity, consumerism, gender and sexuality. He will discuss his work at the Snite Museum's 3rd Thursdays @ the Snite event, 5 to 7:30 p.m. Thursday, Oct. 19. While he is at Notre Dame, Cole will also produce a print at the University's Segura Arts Studio, Notre Dame Center for Arts and Culture.



PHOTO PROVIDED

Rembrandt's Religious Prints: the Feddersen Collection at the Snite Museum of Art
 O'Shaughnessy Gallery West
 Sunday, Sept. 3, through Sunday, Nov. 26

In an exhibition organized in conjunction with the 175th anniversary of the University's founding, the Jack and Alfrieda Feddersen Collection of Rembrandt prints will make an encore appearance at the Snite Museum of Art this fall. The exhibition features more than 70 etchings by the master printmaker, focusing on Rembrandt's religious and biblical subjects.

The exhibition coincides with the publication of a comprehensive catalog of the Snite Museum's holdings, "Rembrandt's Religious Prints: The Feddersen Collection at the Snite Museum of Art" (\$70 cloth, \$69.99 e-book), written by **Charles Rosenberg**, professor emeritus of art history and co-published with Indiana University Press (iupress.indiana.edu).



PHOTO PROVIDED

Dimensions of Power: African Art at the Snite Museum of Art
 Fritz and Milly Kaeser Mestrovic Studio Gallery
 Permanent exhibition opens Tuesday, Aug. 22

The Snite Museum of Art's African art collection will reopen this fall in a larger space on the main floor of the museum, with the reinstallation exploring themes of power in African art.

Many of the works exhibited have never been on public view before. Nearly a third belong to the Owen D. Mort Jr. Collection, with art primarily from Democratic Republic of Congo, where Mort worked for many years.

The gallery will feature online interpretive tools, including a digital touch screen with an interactive map of Africa.

Delinda Collier, associate professor and director of undergraduate studies at the School of the Art Institute of Chicago, will deliver a lecture at 5 p.m. on Thursday, Oct. 5.

A public reception for the opening of the gallery takes place at 4 p.m. Friday, Oct. 6.



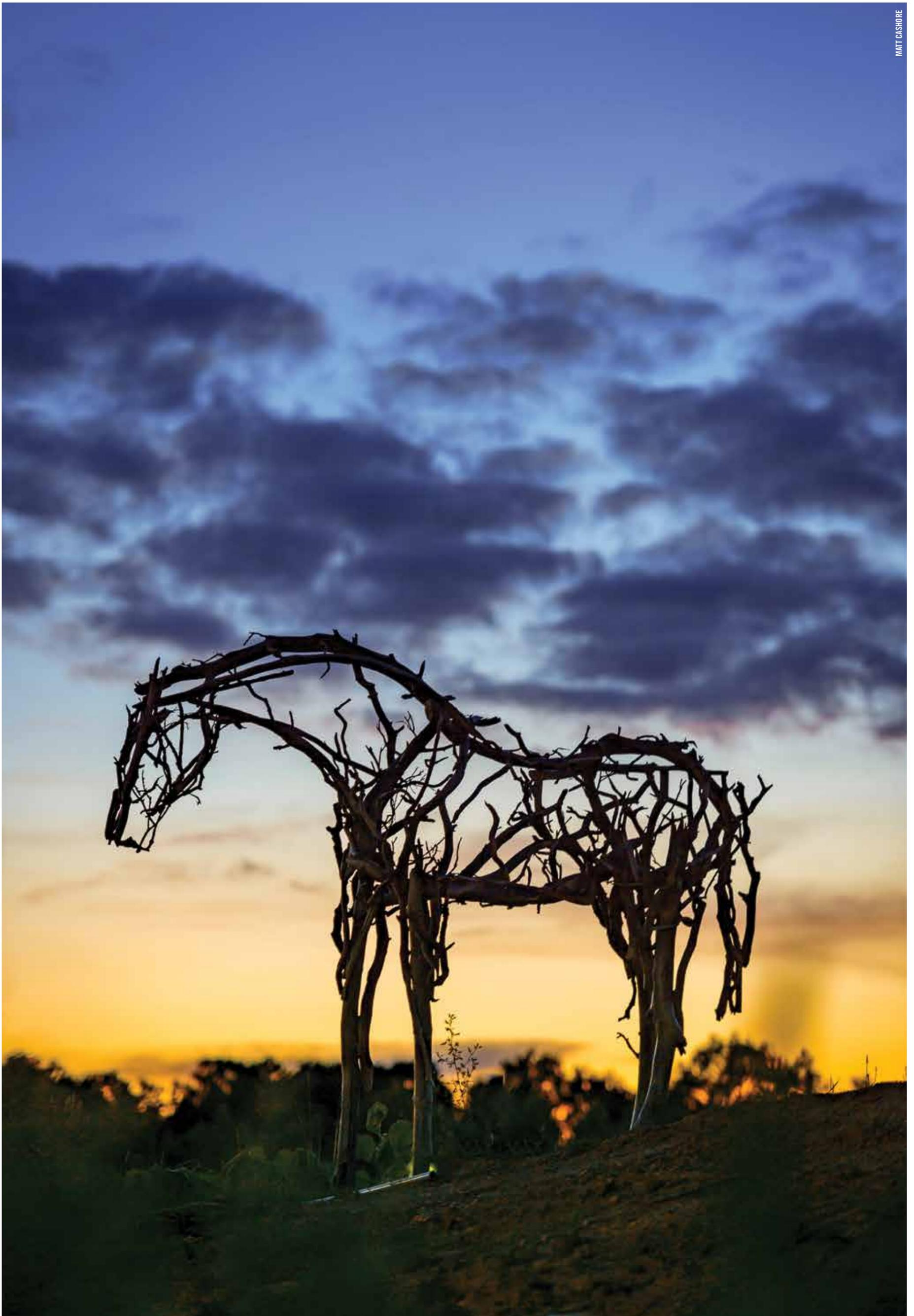
PHOTO PROVIDED

Charles B. Hayes Family Sculpture Park



MATT CASHORE

The Charles B. Hayes Family Sculpture Park, under construction in July. The completed park's grand opening takes place from 6-8 p.m. Friday, August 25. The event is free and open to the public. See page 3 of this issue for more information.



Tracery (2010), by American sculptor Deborah Butterfield, stands in the new Charles B. Hayes Family Sculpture Park, southeast of the DeBartolo Performing Arts Center. The new garden, with lighted sculptures and pathways, is open to the public 24 hours a day. The space includes a natural amphitheater for performances, limestone seating and native grasses. The main entrance is at the corner of Angela Boulevard and Eddy Street.