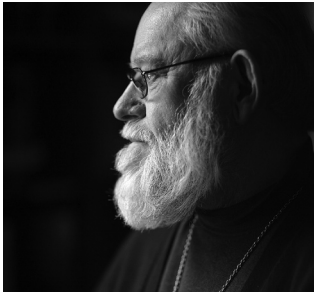


## IN THE WORKS



Putting St. Nick in perspective...page 2



HER stories worth hearing ...page 3



Transformative blogging ...page 3



Impacting the local economy ...pages 4-5



She's a legend ...page 6



Oh Christmas Tree ...page 8

## Experience has taught him the probability for success

By Cynthia Maciejczyk and Gail Hinchion Mancini

Providence seems to have guided Bob Bernhard through a lifetime of experience just exactly right for his new job.

Since arriving Aug. 1, the vice president of research has had to hit the ground running on several fronts. As the first administrator to focus exclusively on the University's research enterprise—his predecessors also administered the graduate school—he will direct the University's aspirations to significantly grow its outside research funding and overall research/scholarship reputation.

Bernhard is a key player in

advancing Provost Tom Burish's initiative known as SAPC (Strategic Academic Planning Committee). It will provide seed funding to a handful of major new initiatives that will help grow the University's research identity. Some \$40 million in support has been committed for distribution; 10 projects are being developed and reviewed for selection.

Then there's the upcoming launching of Innovation Park @ Notre Dame.

These tall orders are being carried out by someone who has directed similar challenges at Purdue University, where he was on the faculty and administration for 25 years and most recently served as an associate vice president of research responsible for managing research centers and major shared research facilities.

More than his nuts-and-bolts expertise, Bernhard has experienced a sense of the possible, and his view is worth hearing. "Investment similar to SAPC in Purdue changed the research enterprise there," he attests. "I have seen it done."

He expects to see it done again, he says, because the investment Notre Dame plans to make in stepping up its research profile "is, per capita, a greater investment than Purdue made."

Besides financial resources, Bernhard has been struck by the human support for this transformation. "When I looked at how we would do this large effort, I was impressed that faculty were mobilized and excited and well prepared, that resources were available, and that alumni and donors are

committed to this." Community leaders also are enthusiastic about supporting Notre Dame's growing research identity.

That was the landscape Bernhard surveyed as he prepared to move from West Lafayette. When SAPC proposals rolled in during the fall, Bernhard experienced the enthusiasm firsthand. Seventy-two teams had submitted proposals for seed funding. "That's a lot of energy."

He recalled his own experience at Purdue during its transformation. The call for creative ideas "energized the faculty. You could propose a new idea and someone would listen. Also, not everything was required to succeed, which reduced the risk for faculty. If we tried something innovative, we had the opportunity for a big win, or we made an honest evaluation, sunset the effort and went on to other new things. This was very stimulating."

Bernhard describes his Purdue years as including three careers: professor of mechanical engineering with a heavy emphasis on research, director of a major research center and central-office administrator. "Every step was an adventure and stepping stone to the next opportunity," he says. He had remarked to others that he would never have to leave because there were so many interesting opportunities there.

However, to be a part of the transformative vision that President Rev. John I. Jenkins, C.S.C., articulated about the University's research growth was a once-in-a-lifetime opportunity. Also attractive: the call to do research "for good," and the opportunity to explore research solutions on global issues "without a focus on the return on investment, because it's the right thing to do."

Notre Dame's quest to advance the scope, excellence and visibility

of its research enterprise comes at a key time in the nation's approach to solving problems. Previously, Bernhard explains, funding agencies would break a problem into tiny pieces, figuring the discipline-specific orientation coupled into the best capability the university could offer. However, this "silo" approach made it difficult to address a problem holistically.

Funding agencies have recently become more willing, if not eager, to ask universities to propose and seek integrated solutions through interdisciplinary activities. The issue of energy, for example, is technological and scientific, but also behavioral and interrelated to business and economics. Universities are being asked to partner with each other to address the entire problem.

Notre Dame has an advantage in responding to this holistic perspective. First, the mission to do good for humankind is itself holistic. Also, says Bernhard, "We're small and nimble. We can bring social sciences, sciences, humanities and engineering together very quickly, with contributions from law, business and architecture."

With 72 proposals recently produced, the faculty demonstrates no shortage of great ideas. To put that creativity to best effect, Bernhard says he will turn his attention toward building an infrastructure of personnel and resources. The creators of these ideas can concentrate on the research while others provide support and ensure that the buzz of these unique ideas is heard well beyond campus.

## Green Summit planned for January

On Monday, Jan. 28, four University groups involved in environmental and energy-related issues will host an all-campus "Green Summit."

The event, to be held at 4 p.m. in McKenna Hall's lower level, will take the form of several facilitated, round-table discussions on topics ranging from conservation efforts to environmentally friendly construction techniques to forging an ND vision for climate change.

A dinner is planned after the discussion. The event is open to all members of the campus community who are interested in environmental and energy issues. Interested participants are asked to contact Barb Villarosa at [Villarosa.2@nd.edu](mailto:Villarosa.2@nd.edu) or 631-4776.

Summit planners are seeking suggestions on additional topical discussions. And, they are seeking members of the faculty and staff whose expertise in environmental and energy issues will help guide participants through summit discussions, says Villarosa, programs and research specialist in the ND Energy Center.

The summit also is being sponsored by the University's Energy and Environmental Issues Committee, Student Activities Office, the Notre Dame Energy Center, Student Government, and the student environmental committee GreenND.



Twenty-five years at Purdue University taught Bob Bernhard to believe that a University's research profile can be transformed. *Photo by Matt Cashore.*

## An Oxford scholar creates a Yankee home

By Carol C. Bradley

When professor of Medieval philosophy Richard Cross arrived in Indiana from England, the first supermarket he found was WalMart. "I thought, 'Oh my goodness,

what do these people eat?'" he says. "I couldn't find a small bird, like a partridge, or venison. I'm also used to fish—England is an island surrounded by the sea."

But all in all, the transition from England to America and Notre Dame has gone smoothly for Cross and wife, Essaka Joshua, a specialist in Romantic and Victorian literature who will be teaching in the College Seminar this spring.

Moving house to a new country? Cross



Oxford scholar Richard Cross, professor of philosophy, is enjoying his first semester of teaching at Notre Dame, and creating an English-style home in Niles. *Photo by Carol C. Bradley.*

sums it up in one word: "Complicated. Leaving family and friends behind...that was a leap in the dark."

One thing the couple knew for certain—they wanted their new home in America to look like an English house. "By that I mean an old house with fittings intact—woodwork, and doors. We found it in Niles." The 1850s home, Cross says, "is by far the newest house I've ever lived in." Their previous home, a 17th-century thatched-roofed cottage, was 200 years older.

The new house "has 16-foot ceilings on the ground floor, old chandeliers, mirrors, a nice marble fireplace. It had been owned by the same family since it was built. Our nice old things look good in it. You could never dream of living in a house like that in England. It would be impossible to afford it."

Their house in England was a third the size, with no land—the new house has five acres, including an acre-and-a-half of woods. The landscape of Michigan and Indiana reminds him of the south of England, "The bit of England I know best. Hilly, but not mountainous."

University life at Notre Dame is much different from that of Oxford, he

Continued on page 3

# Putting 'jolly old Saint Nicholas' in perspective

ND Works staff writer

When Rev. Nicholas Ayo, C.S.C., was a child, he had the same problem many children have at Christmas: "Saint Nicholas and Santa got a little run together. As a child, I never tried to sort it out."

Decades and much research later, Father Ayo is a bona fide authority on his patron saint, whose feast day is celebrated Dec. 6. But after all that work, and the publication last December of his book "Saint Nicholas in America: Christmas Holy Day and Holiday," he thinks it's still okay to mix up the two.

"The book was an attempt to say holy day, holiday; you can have it both ways. Christmas can be a very joy holy day and holiday," says the professor emeritus of the Program of Liberal Studies.

The Saint Nicholas of Father Ayo's research bears little immediate resemblance to the "jolly old elf" of Clement Clarke Moore's endearing and sentimental "Twas the Night Before Christmas" poem.

For one thing, the real Saint Nicholas would have needed sunscreen more than a warm red suit. During the fourth century, he was Bishop of Myra, on the Mediterranean Sea at what today is the coast of southern Turkey. It was an active trade route including Palestine and modern-day Israel during a time when travel was more reliant on the high seas than highways.

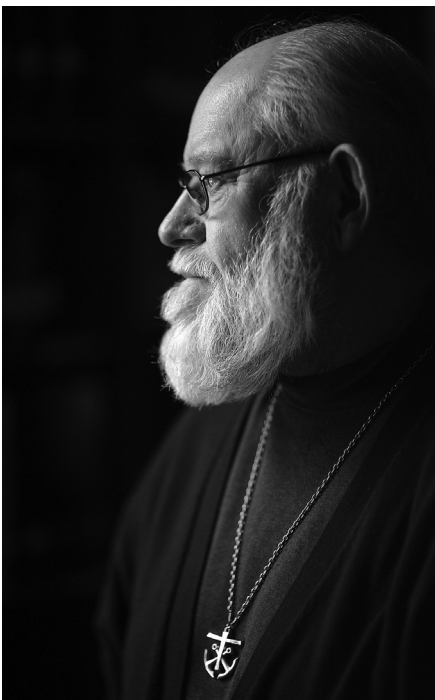
Bishops then were the only authorities who could challenge secular leadership, which tended to be a tyrannical emperor. Legend has it that Nicholas came between the executioner's ax and the neck of condemned prisoners by appearing in the emperor's dreams to insist on their innocence. He also was believed instrumental in influencing the abundance of the grain crop.

In what Father Ayo concedes might have passed as feminism "for that time," he was said to have tossed bags of gold into the home of a widower and his three daughters. They had no dowry, hence no prospects for marriage. As females, that meant no prospects.

"There were no open windows in the northern European winter, so the only opening to the home would have been the chimney," Father Ayo says, drawing the narrative line between Saint Nicholas' generosity and a Santa who ships gifts through the hearth.

Saint Nicholas also was said to pluck despairing seafarers from perfect storms, and he became the patron saint of sailors. "That's how the story spread so well. The sailors took it all over the world." There was a time when a ship's prow would bear a carved likeness of him, and sailors hung his icon in their quarters.

Saint Nicholas' story has lived through paintings—such as the 15th-century "Saint Nicholas Saves a Ship from Sinking"—and poems, such as Moore's. The



Rev. Nicholas Ayo, C.S.C., has a fondness for the modern-day Saint Nicholas story. But it bears only slight resemblance to the true biography of the 4th century bishop. **Photo by Matt Cashore.**

folk story version of his life is believed to have reached this nation's shores through its Dutch immigrants in New York City.

We have since gone "overboard" in a commercial sense, says Father Ayo. Still, "Christ in Christmas," says Father Ayo, "is rooted in every child's memories of an astonishing intervention of love in their life, found, of all places, in their stockings."

The concept of Christmas has morphed, but he still sees it as emblematic of "the idea of gift giving, family, winter holiday, and some sense of a more peaceful, just world, a safer world."

cornball ones: It's where Chamberlin works that made this happen. He began interning in the Student Activities office this semester and realized his boss, Brian Fremeau, would go for the idea of a mini-musical production.

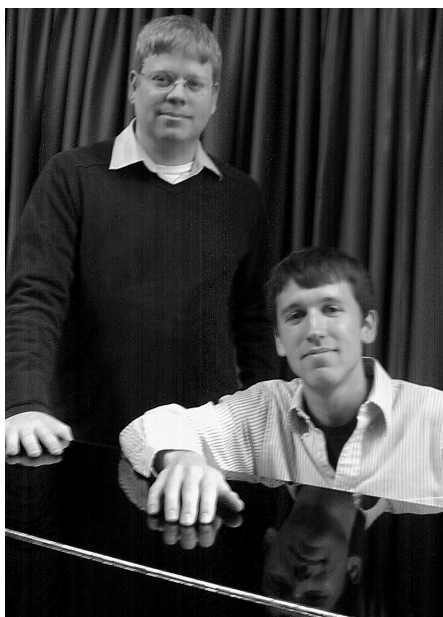
"I'm gathering a 'creative team' of volunteers from across the University to help with the production," he adds. (Yes. This also reminds us of the plot of any Mickey Rooney-Judy Garland movie.)

"To me, the beauty of our production model is that it can bring together many different realms of the campus community—undergrads, theater majors, graduate students, professors, staff, choral singers, those who currently are not performing at all," he says. The schedule is key, not only for its brevity but because it avoids conflicts with any existing performances.

"We hope to draw the best of the best from all arenas," he says. By opening the show to all faculty and staff, roles ranging from a toddler to senior citizens can be filled realistically.

Costumes and sets will be minimal, but the score, Chamberlin says, is "brilliant" and the story's focus on the passengers is poignant. "Full of vocal vignettes and poignant moments, it offers an ideal vehicle for an intimate, acoustic production," he says.

Contact Chamberlin at [kchamber@nd.edu](mailto:kchamber@nd.edu) to get updates on auditions.



Student Activities intern Kyle Chamberlin, seated, wanted to put on a musical. His boss, Brian Fremeau, also at the piano, approved his plan to produce "Titanic: The Musical" during a two-week period in January. Students, faculty and staff are invited to try out for roles. **ND Works staff photo.**

# Searching for the Christmas Star

ND Works staff writer

Grant Mathews is a theoretical astrophysicist and cosmologist whose research addresses such unknowns as the age of the galaxy or at what rate the universe is expanding. He is also intrigued by one of the enduring "seasonal" mysteries, namely, the nature of the Star of Bethlehem, said to have led the three Magi to the birth place of Christ.

While neither Mathews nor anyone else has solved the puzzle, he has applied the tool of modern astrophysics to search for evidence that some astronomical event occurred during the time frame of Jesus' birth. "An increasingly rich archive of information, stored in a variety of astronomical databases, has the potential to shed new light on this ancient puzzle," he says.

Mathews plans to give four family-friendly public presentations of his research, titled "What and When was the Christmas Star," in the Digital Visualization Theatre. They will be at 7 p.m. Saturday, Dec. 15; 3 p.m. Sunday, Dec. 16; 7 p.m. Saturday, Dec. 22 and 3 p.m. Sunday, Dec. 23.

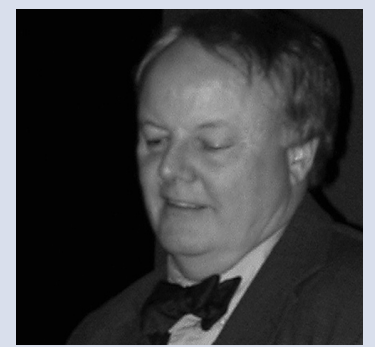
His sleuthing method is built around a key set of questions: When did the event occur? Who might have seen it? And what were its characteristics, such as color, brightness and the length of the occurrence?

In this case, the "when" is spelled out in the Bible. The appearance of a similar sounding event in ancient Chinese and Korean texts indicates that others from various cultures also observed a phenomenon.

Mathews cross-references these clues against increasingly sophisticated databases collected by the NASA Space Science Institute, including Hubble Space telescope spectra and images from the x-ray observatory satellite called Chandra.

His latest studies involve possible archival evidence of a supernova or nova, which could correspond to the event, also recorded in the Far East. Cross-correlating Chinese astronomy records with NASA data bases, he has identified two novae that are good candidates. "These may have occurred, along with a very rare alignment of the planets, which would have indicated to the Magi a special birth and a change of regimes in Judea," he says.

"These possible explanations are new in that they are based upon archives and imagery only recently available," he adds.



Astrophysicist Grant Mathews correlates the stories of the Bible and other ancient texts with astrophysical databases as he searches for evidence that the Star of Bethlehem really existed. **ND Works staff photo.**

# He's got only two weeks to sink this ship

By Gail Hinchion Mancini

To hear Kyle Chamberlin's lament is to be thrown back several decades in time, smack into black-and-white movies. Think Gene Kelly... "Singin' in the Rain." And Kelly crooning "Gotta Dance."

Chamberlin, a first-year law student and 2006 graduate, was Mr. Musical as a Mishawaka High School student. But when he arrived on campus, he found he didn't have enough free time to commit to the campus's few opportunities for musical theater performance.

"My academic commitment as a law student only compounded this problem. And it has been helpful to find many people around campus in the same situation," says Chamberlin, who is launching a new musical performance opportunity, open to faculty, students and staff, called "Fortnight Productions."

The name refers to how quickly—about two weeks—the group will produce a show. Their inaugural show will be "Titanic: The Musical" winner of four Tony Awards in 1997. Auditions will take place during the afternoon and evening of Sunday, Jan. 13, and some 25 to 30 parts will need to be filled. Two performances, complete with full orchestra, will be given on Saturday, Jan. 26, in LaFortune Student Center's Ballroom.

This all happened just like in the musicals, at least the

# A fond farewell

Members of the campus community gathered Monday, Dec. 3 to share memories of the work done by the Center for Social Concerns (CSC) in its cramped, one-story headquarters near the library.

Not all present would have remembered that before the CSC moved into the facility, it served as the WNDU television station, as seen in the picture at right.



The building is being razed so to make way for a 64,000-square-foot facility that will expand CSC space and bring the Institute for Church Life under the same roof.

To be called Geddes Hall, the new, \$14 million building is being underwritten primarily by Michael and Sheila Geddes and Thomas and Mary Cabot. A chapel in the building will bear the Cabot family name.

Construction is expected to be completed by fall 2009.

# A life-changing peace blog

By Shannon Chapla

Several of Daniel Myers' students have told him that his new course, Introduction to Peace Studies, has changed their lives, and what the young men and women are sharing in the class this semester has repeatedly moved Myers to tears.

A professor of sociology and the director of research and faculty development in Notre Dame's Kroc Institute for International Peace Studies, Myers is teaching this class for the first time and set out to do it in a way that engages his students through their own ways of interacting with the world. Or, as he puts it, "plugs into their total 'cyber-existence.'"

About a year ago, Myers started blogging (maintaining or contributing to a Web log), and decided this modern form of communication could be an ideal way to grab his students' attention and keep it focused on the class.

He was right.



By incorporating blogging into his Peace Studies class, sociologist Daniel Myers has seen students' commitment to peace and humanity take root. **Photo by Matt Cashore.**

"It's very useful to have blogging experience," said Caitlyn Schneeman, a senior from St. Paul, Minn. "Even though it's not a computer course, including this technology in a peace studies class is a great educational tactic!"

Myers also reversed the order of the class, which traditionally would begin with discussions of major wars, then progress to civil wars and smaller types of conflicts, followed by discussions of how individuals can lead a more peaceful existence. He wanted to get his students talking about little ways to promote peace in their own lives, so they would feel more connected to the bigger picture as the class progressed.

After reading Vietnamese Buddhist monk Thich Nhat Hanh's "Being Peace," about how everything is interconnected, the students started blogging. "I asked them to try and 'be peace' in some small way every week and then blog about it," Myers explained. "I told them to go by their own definitions of peace, because I didn't want to push anyone into an ideological position or cause they don't believe in."

The students now are having their discussions online at [ndpeaceblog.blogspot.com/](http://ndpeaceblog.blogspot.com/), and Myers is stunned by what he's read so far.

"I never imagined how well it would work," he said. "It's amazing what's happening. First of all, they are doing seriously challenging things that

are important in their own lives, and some of them are really gripping. I've cried every week I've read these blogs. They are unbelievable."

Schneeman, who has had a strained relationship with her mother, sent her a letter in an attempt to reconcile. She also penned letters to her senators urging them to support the DREAM Act (proposed immigration legislation), offered a loan to an impoverished woman farmer in Nigeria through [kiva.org](http://kiva.org) and distributed inspirational peace quotes to her classmates.

"Some of the things I do for the peace blog are things I've wanted to do for awhile but never motivated myself to do," Schneeman said. "This is empowering and fun. Professor Myers has encouraged us to move beyond the limits of theory and live what we believe."

Another woman who recently developed a close friendship with a gay man is working to break down a barrier that has developed as a result with her father. Other students are confronting racist jokes and performing random acts of kindness.

"I saw an elderly woman gazing at the dome from a bench," blogged a young man who uses the pseudonym 'sailor.' "I decided to go over and say hello...just to give her a smile. She was waiting for her granddaughter to get out of class and had managed to get lost. I led her back to her meeting place where we met her granddaughter...her very, very attractive law school granddaughter. Who said doing something nice has to be painful?"

Katherine Mastrucci, a sophomore from Miami, has completed her assigned blogs, but has no intention of

stopping.

"It really has changed my life," she said. "It forced me to do what normally I would not have had the courage to do, like helping complete strangers, reconciling strained friendships and simply restoring a little peace to my own life. Now, it's not about the grade. I'm still doing this for the inner peace, personal satisfaction and empowerment that peace building brings. We all have the power to change the world."

The recipient of the College of Arts and Letters' 2007 Sheedy Award for excellence in teaching, Myers says he strives for a holistic, integrated learning experience for his students and says he definitely plans to revisit the peace blog in future classes.

"It really has tied everything together," he said, "their readings, their experiences in real life, issues with their families and people who are important to them, conflicts with friends and roommates—the kind of stuff that's critical to their development as people while they are students. It's all coming together through the peace blog. It's mind-blowing, really. I never had any idea it was going to be this powerful."

As his students commit to saying daily prayers for peace at the Grotto, discover through volunteering that people who have done bad things are not necessarily bad people, make the tough decision to dissolve a friendship for the sake of peace, seek out ways to help displaced children in Uganda, and work to let go of their grudges, Myers realizes: "This really is one of the best experiments I've ever done as a teacher."

# 'Telling HERstory' series highlights women as role models

By Carol C. Bradley

Not long after Dawn Overstreet sent out an e-mail announcing the new lecture series "Telling HERstory," featuring women in campus leadership roles discussing their lives and career paths, she received an e-mail from a male sophomore. "When are we starting an initiative that features men at Notre Dame?" he demanded to know.

"I decided to sleep on it before I responded to him," Overstreet recalls with a smile.

Her nuanced response, sent the following day, struck just the right tone—if he'd be interested in starting such an initiative, she said, she'd support him. But, she added, "In a country where the majority of leaders in our government, educational institutions and churches are men, highlighting women to empower the younger generation is crucial for their formation and development."

She invited him to stop by her office and was pleasantly surprised when he did. He knocked on the door, stuck his head in and said "Hi. I'm the jerk."

"It was a nice moment for both of us," Overstreet says. "It takes courage. I give him a lot of credit—I'm sure other male undergrads were thinking the same thing."

Overstreet is a Notre Dame graduate, and previously worked two years as an academic advisor for First Year of Studies. She moved back to the East Coast and completed a doctorate in higher education administration; now she's back on campus for a year as the Burke, Hofman, Kolman Postdoctoral Teaching Scholar in First Year of Studies.

She brought the idea for "Telling HERstory" from her previous institution, Boston College, where a similar series had been offered through the Women's Resource Center. "I thought it would be a nice opportunity to bring the idea to a wider audience of faculty, staff and students," she says.

The purpose of the series, Overstreet says, is to provide strong female role models for young women and men, "so they can envision what they can become and how other women achieved it."

But beyond that, she says, the series serves to increase our sense of community. "I'm always amazed that we can work for years with our colleagues at Notre Dame, and have no idea how they came to be here, and what obstacles they've overcome."

Inaugural speaker for "Telling HERstory" was Frances Shavers, chief of staff and special assistant to the president. Other speakers have included Carolyn Woo, dean of the Mendoza College of Business, and Ann

Firth, associate vice president for student affairs.

"I was surprised at the uniqueness of the speakers' stories," Overstreet says. "That Carolyn Woo's nanny played a significant role in her life, that Ann Firth's parents were German immigrants and her father had been a prisoner of war. Frances Shavers developed signs of arthritis at an early age, which prompted her to become a yoga master."

Ken DeBoer, First Year of Studies assistant dean, attended the first three lectures. "All (the speakers) are those I've known in a professional capacity on campus," he says. "But to hear about their lives is full of surprise. There is both entertainment and learning."

The next talk will be held at noon on Monday, Dec. 10 in the Coleman-Morse first floor lounge. Featured speakers will be student body president and vice president Liz Brown and Maris Braun. Attendees are welcome



Overstreet

to bring a sack lunch—drinks and cookies are provided.

Other upcoming speakers in the series will include Dianne Pinderhughes, professor of Africana studies; Catherine Hilkert, professor of theology; Carol Ann Mooney, president of Saint Mary's College, and Patricia O'Hara, dean of the Law School.

And Overstreet has received a number of suggestions for future speakers. "What I anticipated was a short list of possible speakers," she says. "But the series could go on for several years. It's a nice problem to have too many names."

Continued from page 1  
**Transplanted**

notes. "There's much less opportunity to know students well here." In England, he says, "I was the tutor for five students a year. I taught half their courses, two-on-one or five-on-one. You understand how their minds work. It was very easy to encourage them to do graduate work—some years half or three-quarters of them would go on. That kind of personal contact is good for them."

This fall, Cross taught a class of 19 students, "mostly scientists doing their Philosophy 101 requirement." He'll be teaching the course again in the spring, plus a graduate class in the philosophy of mind and cognitive

psychology in the Middle Ages.

One change that's been nice, he observes, is that he and his wife aren't commuting to different universities. "I would commute one way, she'd go another." Moving sacrificed ready contact with friends—"They come and visit," he says. "But we gain more of a domestic life."

And they're settling right in to life in Niles—although he misses the sound of sheep. "Where we used to live, there were sheep in the fields. Here, the sound of birds is replaced by the sound of insects. I'm amazed by that. And mosquitoes. I've certainly noticed that. I spray every inch of my body."

Cross and Joshua are planning an English cottage garden for their

house, which will be planted in shades of blue, pink and white. They just finished planting bulbs. "Or she did. I was sitting there all wrapped up in a scarf," he says—white daffodils, white parrot tulips and pink-and-white 'Angeliqe' tulips."

While Notre Dame isn't Oxford, and South Bend isn't London, there's a lot of culture on and off campus, Cross notes. He's discovered the Farmer's Market, and a local source for shitake mushrooms. If the fish isn't plentiful, the beef is. And Chicago's not far away, he adds.

Not long ago, they dined in a restaurant in Chicago that had rabbit on the menu. "Where did it come from?" Cross wondered. A little place in Michigan, he was told. Called Niles.



Dawn Overstreet, at left, who developed the "Telling HERstory" series, talks with speaker Ann Firth, associate vice president for student affairs and attendee Gwen DeLee after Firth's presentation earlier this month. **Photo by Carol C. Bradley.**

*What can we call a collection of assets that include dollars, but also for the future, technological infrastructure and the presence of enthusiastic people trying to make the world better? How about “Brain Capital”?*

## Report foreshadows a bright future

By Gail Hinchion Mancini

The recently released report “The Economic Impact of the University of Notre Dame on South Bend, St. Joseph County and Indiana” establishes, as did the first report in 2002, that the University’s presence contributes mightily to the economy: \$873 million in 2006.

But a full read of the new report indicates that a more interesting story of impact may only now be in the writing. Changes afoot today foreshadow robust contributions to the health of the local community, all of them firmly rooted in the University’s growing research portfolio. The impact of most of these influences can only be estimated. But even without dollar-and-cent predictions, the report leaves a strong impression of the value and importance of something we’ll call Brain Capital.

The University’s research grants totaled \$83.1 million in fiscal year 2006 and they are “on track” to reach \$100 million by 2010. What does that matter to the local community?

Seventy-one percent of 2006 research dollars came through federal grants and contracts and another 12 percent from corporate and foundations. Arguably, that is money that would never have reached Indiana or St. Joseph County were it not for Notre Dame researchers. Those dollars translate into jobs. The leap to the \$100 million mark is expected to underwrite as many as 150 to 200 new campus jobs, the report predicts.

While the University’s grants from the federal government have been rising, grants from industry also have been rising—up 221 percent between 2000 and 2004. In the event that government spending slows, and it has in recent years, corporate grants seem capable of lending stability.

Researchers need computing, and enhanced computing capabilities have benefited the region, both directly and indirectly. The University has joined forces with other technology-dependent entities such as hospitals and financial institutions to create a fiber network that links this area to other users of high-speed telecommunications and to national and worldwide networks. Administrators of the network, called St. Joe Valley MetroNet, estimate that local businesses “can realize significant savings on telecommunications products: about a 72 percent savings per voice line and a 30 percent savings on high-volume Internet service,” the report notes.

A bright future also is predicted on the southern edge of campus, where Innovation Park @ Notre Dame is expected to begin construction later this year. This greenhouse for everything from developing knowledge to commercially developed businesses is expected to ultimately accommodate four buildings of research and office space. “When development is completed and the park is fully occupied, tenant companies are expected to employ more than 500 people,” the report notes.

Where will all these new people live, eat and shop? Conceivably, Eddy Street Commons, which will include 440 units of new housing; assistance to local residents for the rehabilitation of existing housing; 110,000 square feet of retail, restaurant and office space; and a 150-room hotel. When both the Innovation Park and the Commons are fully built and occupied, tenant businesses will employ approximately 1,500 in jobs ranging from hotel housekeepers and retail salespersons to research scientists, the report states.

If these predictions seem too far off to grasp, the report reminds readers of alumni and professor successes that already are part of the area’s employment



Faculty research projects brought \$83 million into the community last academic year. *Photo by Matt Cashore.*

lore, such as the accounting firm Crowe Chizek, now known as Crowe; the architecture firm Troyer Group; and Press Ganey Associates. They employ close to 1,000 people locally. Examples of newer enterprises include EmNet, a South Bend-based wireless networking company that uses a College of Engineering-developed technology to install a network of wireless sensors in sewers to help control storm water and reduce flooding. Being tested here, the technology could be useful in a myriad of the nation’s cities.


The Mendoza College of Business has launched two enterprises specifically designed to nurture new businesses, and which are expected to assist the staff of the Innovation Park. The Gigot Center for Entrepreneurial Studies, nearing its 10th anniversary, offers internships, sponsors several business plan competitions and operates a small business incubator. Irish Angels is composed of entrepreneurial alumni and friends who mentor new ventures, sometimes providing start-up funds.

Not all research ideas are likely to spin into new businesses. But the economic impact report articulates the value of a University where a measurable amount of the basic research is considered “use-inspired.” Health-related research in disease control—from cancer to malaria—falls easily into this category, as do a nanoscience technology center, and projects that address the next generation of computers, airplanes or more efficient heating and cooling systems.

When partnered with industry—engineering faculty work with Warsaw-based prosthetics companies to improve hip replacements, for example—the synergistic relationship of business and higher education puts the region in a forward-thinking and creative light, the report suggests. If that doesn’t seem like a big deal, consider another point the economic impact report notes: The county’s workforce is more invested in manufacturing than the rest of the country, and local manufacturing jobs are declining rapidly.

The University is depicted as an enthusiastic partner in support of the overall well-being of both the local community and the state. Locally, contributions are described by sheer volunteer hours—estimated at 373,000 in a year. They are indicated by the contribution of continuing and adult education, from actual executive classes to support for adult literacy. And they are illustrated by such community-building outreach efforts as the Center for the Homeless, the Robinson Community Learning Center and the myriad of school-based youth talent development programs the Robinson Center has initiated.

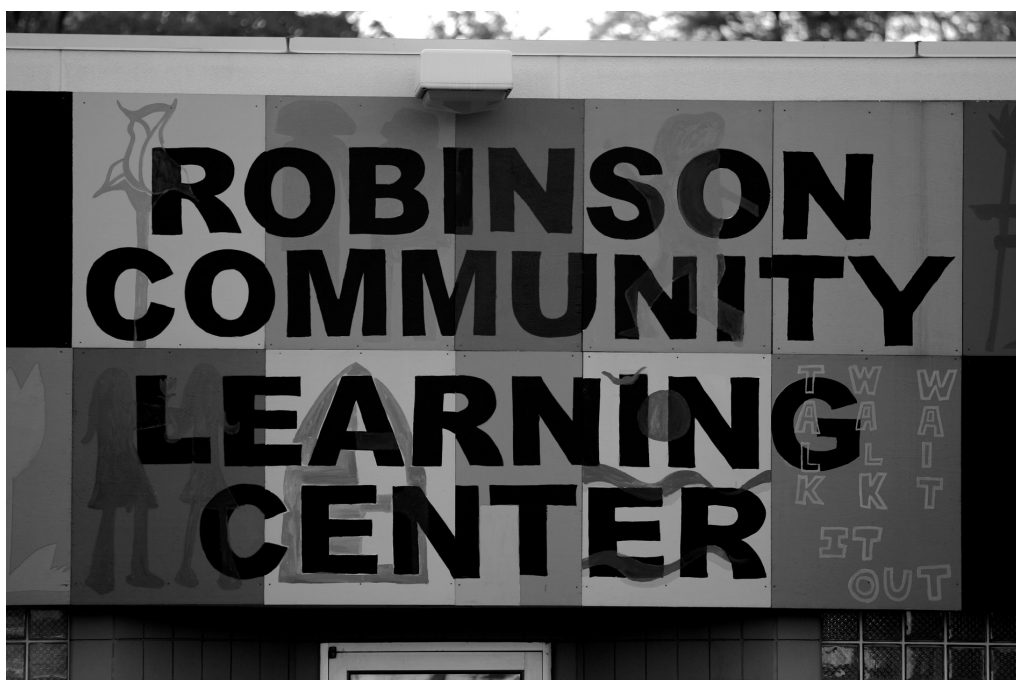
The University has a growing number of interrelationships with the state. One that has produced demonstrable outcomes is Notre Dame’s participation in a statewide effort to staunch brain drain, whereby



**UNIVERSITY OF NOTRE DAME**  
Mendoza College of Business  
Gigot Center for Entrepreneurial Studies

The Gigot Center’s support of entrepreneurial ideas and the companion Irish Angels program have and will continue to help nurture new businesses in the area. *Image by Tim Legge, ND Media Group.*

college students who are educated in Indiana seek their fortunes elsewhere. Indiana Careers @ Notre Dame helps underwrite in-state and local student summer internships. “When



The Robinson Center’s training, tutoring and entrepreneurial studies programs reach children and adults alike and play a role in helping to prepare the community for the 21st century economy. *Photo provided.*



Faculty, staff and students contributed some 373,000 hours of volunteer service last year. *Photo by Matt Cashore.*

## talent, bold plans



Alumni play an interesting role in the local economy. First, they comprise a solid number of the highly educated people living in St. Joseph County—more than 3,400 graduates in 2006. Those who don't live here come to visit, at events other than football games, as this shot from Alumni Reunion Weekend illustrates. Visitor dollars totaled \$114 million in 2006. **Photo by Matt Cashore.**

surveyed at the end of their internships, more than half of all participating students indicated that they were likely or very likely to take a job in the state after graduating," the report notes.

Another part of the program supports students who agree to work full-time in Indiana for two years after graduating. It has helped placed 36 students in such businesses as Johnson & Johnson DuPuy, Crowe, Eli Lilly, the Indiana Pacers and the Indianapolis Colts. About half the 36 Notre Dame graduates were not originally from Indiana.

Brain Capital contributes to the economic stability of individuals and their families, but also, the report adds, "to the community's ability to compete effectively in a globally integrated, knowledge-driven economy."

Over time, the South Bend area should see an increase in the number of residents who can compete in today's economy, "and a community better equipped to manage the effects of change," the report concludes.

## 2006 St. Joseph County Impact at a Glance

In fiscal year 2006, the University's payroll, purchases and construction activity contributed some \$638.8 million to St. Joseph County's economic activity. As these dollars made their way through the local economy, they generated the equivalent of 8,638 full-time jobs. Here's a closer look at how this worked:

### University Purchases

\$93 million translated to the equivalent of 1,283 full-time jobs. Goods and services purchased include

- Medical services \$22.4 million
- Utilities - \$8.7 million
- Food and kitchen products - \$7.4 million
- Travel, entertainment and special events - \$6.1 million
- Furniture and furnishings - \$2.5 million



- (with IU Medical School) - \$23 million
- Jordan Hall of Science - \$70 million
- Engineering North Research Center - \$8.3 million
- St. Liam Hall renovation - \$9.3 million
- Indoor golf facility - \$2.1 million

### Major construction projects through 2011

- Duncan Hall - \$15 million
- Law School expansion - \$57 million
- Engineering building expansion - \$70 million

### 2006 Off-campus Student Spending

Students spent \$39.8 million in the community, generating the equivalent of 655 full-time jobs



### Construction Impact

\$33.8 million payments to county contractors translated to 357 jobs in construction and related industries



### Major construction projects through 2006

- DeBartolo Center for the Performing Arts - \$63 million
- Raclin Carmichael Hall

### 2005-6 Off-campus Visitor Spending

684,849 non-resident visitors spent \$114 million, generating the equivalent of 2,250 full-time jobs, for:



- Lodging
- Food
- Transportation
- Entertainment
- Other goods



000 volunteer hours to the community in 2006.

## A different kind of economic impact report

By John Heisler

**Forbes.com** ranks the University's football program as the most valuable in college football, according to its second annual survey released last month.

The Forbes rankings are based on what the football programs contribute to beneficiaries: their university (the value of contributions from football to the institution for academic purposes, including scholarship payments for football players); athletic department (the net profit generated by the football program ultimately retained by the department); conference (the distribution of bowl game revenue); and local communities with a vested interest in the team (incremental spending in the county during home-game weekends). The system weighs those four elements in declining order.

The Forbes rating values the program at \$101 million and notes, "Unlike the other programs on our list, Notre Dame's athletic department operates under the umbrella of the university and is not run as its own distinct entity. As a result, a much higher share of profits are retained by the university for academic use.

"The football team's contribution to academics totaled \$21.1 million for the 2006-2007 season—that's as much as the next five most valuable

teams contributed to their respective schools combined.

"Operating independent of the conference system allows Notre Dame to keep the entire \$9 million in annual television revenue it gets from NBC, owned by General Electric," the story adds.

Forbes.com also indicated the schools with the largest amount of incremental spending in the county on a per-game basis are Notre Dame and Texas, with \$9.4 million each.

## Santa could relate to this task

By Son Nguyen

They handle nearly 3,000,000 pounds of freight and deliver over 91,000 parcels around campus each year. Adeptly named Central Receiving, this department is the University's main receiving point, and an operation that strives for quick and efficient delivery of packages at Notre Dame.

Central Receiving aims to be the University's "one-stop" shop for its delivery needs by receiving and delivering products and also by assisting in shipping small parcels and large freight to sites off campus through larger vendors. The department can also transport small packages between departments and provide short-term storage at its 25,000-square-foot warehouse at the corner of Douglas Road and Saint Joseph's Drive.

Materials handler Jim Gardner says, "With the ever-changing landscape on campus, it's always a challenge to figure out the best method to get our packages from

point A to point B." While drivers are out on campus routes, the remaining workforce at the warehouse stock and process items, provide support service, tag parcels and move inventory.

With a staff of 12, Central Receiving runs four delivery routes twice a day (morning and afternoon). Before parcels go out, each item gets a new tracking label affixed to it to ensure efficient, timely and safe delivery. Most of the packages being delivered around campus are common everyday-type things, but the staff must also be prepared to move about a variety of substances.

Gardner said, "Getting out and seeing people is my favorite part of the job, but it's not always all fun and games." Central Receiving is occasionally called upon to transport corrosive chemicals, flammable liquids, expensive electronics and other technology, rare artifacts and the occasional living organism.

No matter the package size or material, Frank Parker, manager of Central Receiving and ND surplus, is proud to be part of one of the University's smoothest running enterprises. He said, "We're just happy to get packages to those in need."

## United Way donations are up

By Carol C. Bradley

The University's 2007 United Way campaign has met the campus-wide goal of raising \$300,000 for local charities. Total donations as of Nov. 28 were nearly \$308,000, exceeding last year's donations of \$306,000. Of this year's total, donors have designated \$6,463 for the Employee Compassion Fund.

Names have been drawn for 56 prizes. This year's prize winners

included Janet Sue Roempagel, St. Michael's Laundry, who won two round-trip tickets for two to anywhere in the U.S., and Barbara Ann Davey of the Office of Risk Management and Safety, who won an Apple iPod. Christine June Breisch from the Mendoza College of Business Dean's Office and Charlene Bollman of the Office of Graduate Studies each won a reserved parking space for 2008. Over 1,000 employees received South Bend Chocolate Company chocolate bars for their participation in the campaign.

## December and January paychecks explained

Many University employees come to work daily during the Christmas holidays, some to keep the University safe and appropriately heated, others to maintain a schedule of personal and varsity team sport activities. But the majority of employees will not have to report for duty during the official holiday break, which is Monday, Dec. 24 through Tuesday, Jan. 1.

Because the payroll office is among those closed during the holiday, the pay schedules of all employees will be modified. And as happens every year, this translates into a December cash infusion followed by an unusual dry period as regular pay schedules resume in January. The system works as follows, explains Paul Van Dieren, assistant controller for payment and procurement services.

Employees who are paid biweekly—service and maintenance workers, students and on-call workers—will be paid Friday, Dec. 14, then again on Friday, Dec. 21. In January, the first paycheck appears three weeks later, on Friday, Jan. 11.

The Dec. 21 paycheck covers hours worked the week of Dec. 8 and, for employees eligible to receive holiday pay, for the week of Dec. 22. Van Dieren notes that specific instructions on reporting holiday hours have been

distributed to employees and their supervisors. "It's very important to follow those instructions," he says. Otherwise, pay for the week of Dec. 22 could be delayed.

A second category of employees, who are paid semimonthly, also will receive their first December paycheck on Dec. 14 and the second on Dec. 21. Their first January paycheck arrives Tuesday, Jan. 15. This category includes professional staff members and clerical workers.

Faculty are paid monthly and normally would be paid Dec. 31. They also will be paid Dec. 21; their first January paycheck is Jan. 31.

It helps to review the schedule, Van Dieren says, so employees are prepared to balance the arrival of extra funds just before Christmas with the paycheck slowdown that follows the holidays. Payment services will field more questions at 631-7575.

## Get your W-2 at your correct home address

Here's a quick note from Payroll Services that is more about your money than the University's.

If you have moved your family home during 2007, please make sure the University has your new address, says Paul A. Van Dieren, assistant controller of payment and procurement services.

W-2 forms, essential for filing income tax returns, are mailed to employees' homes in late January (Payroll Services prepares about 17,000 every year). Concurrently, Van Dieren explains, the University sends the information to the Internal Revenue Service. Thus, whether or not you receive your W-2, the IRS is waiting for you to file a tax return.

"Every February, hundreds of Form W-2s are returned to the Payroll Office as undeliverable because University employees have moved during the year without notifying the University of an address change," explains Van Dieren.

On receiving a returned W-2 form, Payroll Services must research to determine if a new address has been established, or if it's appropriate to send the W-2 to the employee's department. If even 2 or 3 percent of W-2s have wrong addresses, it's a significant quantity for the staff to manage. Hundreds of undeliverable W-2s from each of the last five years remain on file in Payroll Services.

To verify your address in the University's database:

- Visit Inside ND ([inside.nd.edu](http://inside.nd.edu))

- Look on your My Resources tab
- In the Personal Information channel, view your current information under "View Addresses and Phones"

- Enter any needed updates at the subsequent link, "Update Addresses and Phones"

Employees without online access can access the forms in the Office of Human Resources at 200 Grace Hall. Or, a supervisor or coworker can print the forms, which are on the HR website. From the "Forms" tab, scroll down to "Information Changes." All requests must be in writing.

A special note to international members of the faculty and staff: If an employee's home address is outside the U.S., but the employee lists a local address, the W-2 will be sent locally. If not, the W-2 will be sent to the home address.

Van Dieren says that changes and forms submitted to Human Resources by mid-January will arrive in time for inclusion on an employee's W-2. Any later, though, and the W-2 forms are likely to go to your former address, he says.

## WHAT SHE DOES



Gail Walton, director of music at the Basilica of the Sacred Heart, has been in her position for 20 years and at the University for 25. As Basilica organist, she's responsible for liturgy and liturgy planning with a staff of three plus several graduate assistants. The staff works with a liturgy planning committee that includes Rev. Richard Warner, C.S.C., director of campus ministry; Rev. Peter Rocca, C.S.C., rector of the Basilica and sacristan John Zack.

"The most interesting part of the job is the people I get to meet," Walton says. "I'm in contact with a large number of students who sing in the choirs, those who serve as musicians, and those who are going to be married."

She also appreciates the opportunity to play sacred music in the context for which it was written, she says. "It's not a concert." The staff, she adds, often hears from those who watch television broadcasts of services from the Basilica. "They appreciate the music, and the care with which music is done at the Basilica." *Photo by Carol C. Bradley.*

## DISTINCTIONS



Joan Brennecke is honored for her assistance to the Office of News and Information in bringing attention to the University's academic excellence. She is flanked by Don Wycliff, left, and Dennis K. Brown. They are, respectively, associate vice president and assistant vice president for news and information. *Photo by Carol C. Bradley.*

### Joan Brennecke selected as Media Legend

Joan F. Brennecke, Keating-Crawford Professor of Chemical and Biomolecular Engineering, has been selected as the Media Legend of the year by the Office of News and Information.

Presented annually since 2004, the award recognizes a faculty member who consistently assists the news and information staff in bringing attention to the University's academic excellence through media relations, the Web and other communications channels. It was presented Dec. 3 in



McGonigal

the Notre Dame Stadium press box during a reception attended by some 90 faculty and staff.

"Over the past few years, Joan has been a tremendous resource for us, particularly as a valued advisor on institutional messaging and as an expert on issues related to energy and the environment," said Dennis K. Brown, assistant vice president for news and information. "We're grateful for her time, patience and insight."

A member of the Notre Dame faculty since 1989, Brennecke is director of the University's Energy Center. Her research focuses on experimental aspects of thermodynamics and separations, with particular interest in supercritical fluids and ionic liquids.

Previous recipients of the Media Legend award are Lawrence Cunningham in theology, George Lopez from the Kroc Institute for

International Peace Studies and Albert-László Barabási in physics.

\* \* \*

Several employees are celebrating anniversaries during December, including **Susan R. McGonigal**, senior administrative assistant in the sports information office. She has been with the University for 30 years.

Celebrating other significant anniversaries are:

### 20 years

**Lin Da L. Grams**, philosophy

**Marcy L. Simons**, library

### 15 years

**Barbara A. Panzica**, architecture-dean's office

### 10 years

**Jill R. Bodensteiner**, general counsel

**Hal R. Culbertson**, Kroc institute

**Allen F. Utterback**, Corby Hall administrator

**Igor N. Veretennikov** and **Kevin E. Young**, chemistry and biochemistry

## Battling holiday stress

By Carol C. Bradley

The holidays are a time when we want to do it all, “A wonderful meal, wonderful togetherness,” says Wendy Settle, University Counseling Center staff psychologist and coordinator for outreach and consultation. “We’re trying to get everything done, trying to balance work and family.”

It’s also a time of year when shoppers battle traffic and lines, and people tend to neglect their health—they eat and drink more than usual, interrupt their usual sleep and exercise patterns, and worry about money. It puts all of us—especially women—under a lot of pressure, she adds.

Is it possible to have a stress-free holiday season? The first thing to do is keep expectations realistic, Settle says. “Christmas shopping—that’s not what the holiday is all about. And it’s not the expense of the gift. Nurturing a spiritual and family connection is more important.”

Focus less on consumerism, and what we think society expects from us, she says. Don’t try to do it all yourself. “Maybe I could invite friends and family and do a potluck—and share the responsibilities instead of doing all the cooking.”

One of the best Christmases Settle’s family ever had, she says, was the year they all got together and rented a cottage in Nag’s Head, N.C. It was also her mother’s birthday, she says, “and our side rarely gets together—we’re all over the country.” They drew names for gifts, and the entire family—including all the cousins that seldom had the chance to see each other—enjoyed bicycling, and walking on the beach. It was the sharing, and being together, that made it so special, she says.

And if family interactions aren’t always so peaceful, Settle recommends, “Think about how you want to interact with them. You can’t change them, but you can change how you respond to them. Learn to let go.”

It’s also important to remember to take time for yourself, she adds—that means keeping up with your exercise regimen, eating right, and getting enough sleep. “We end up not taking care of ourselves, and then we pay the price.”

What if holiday stress seems to be tipping over into depression?

There’s a difference between feeling overwhelmed and a little blue and being depressed, Settle says. When you’re feeling blue, you can pick yourself up—you can lift your mood by going to a movie, or getting together with a friend.

“With depression, you feel hopeless, helpless, guilty,” she says. “It isn’t always sadness. It can be irritability. You may have changes in physical health

and appetite—weight loss or gain. You may wake up at lot at night, or can’t fall asleep because your thoughts are racing.” Headaches, stomachaches, crying and inability to think things through can also be symptoms.

It’s important for those suffering symptoms of depression to seek help, Settle says. “Treatment for depression is one of the most successful things psychologists do,” she says.

LifeWorks, Notre Dame’s employee assistance plan, offers a number of online resources for coping with holiday stress and more serious problems such as depression.

Available online articles include topics such as blending traditions during the holidays, celebrating as a stepfamily, budgeting for the holidays and managing the holidays when a family member is deployed with the military. To access these and other resources, visit [lifeworks.com](http://lifeworks.com) and enter username notredame and password gond.

For more urgent concerns, you can speak with a LifeWorks counselor 24 hours a day by calling 1-888-267-8126. LifeWorks provides initial counseling and referral sources for individuals and families. Initial consultations are free of charge, and employee insurance coverage is considered when making referrals to outside agencies.

**For Your Health explores programs that promote health and well-being and the people whose lives have been enriched by them.**

### IN BRIEF...

Almost 2,500 of the University’s approximately 4,500 full-time employees participated in the recent WebMD HealthQuotient personal health risk assessment. Employees who took the survey are being contacted by a WebMD health coach to discuss possible steps toward maintaining and improving health.

By January, the Office of Human Resources is expected to receive a profile from WebMD of the major health issues and wellness opportunities that the collective body of information relays, says Jessica Brookshire, HR manager of total rewards and communication.

While an individual’s information is confidential, the University will learn the number of employees who fall into the high, moderate and low risk categories, and the potential ailments caused by those risks.

The aggregate information is

considered invaluable in helping the University identify how to create an effective wellness plan, Brookshire says. “For the first time, we’re going to see what the major issues are, and what people say they want to improve on.”

This year’s survey provides baseline data. It will be offered again next fall, this time both to employees and their spouses, Brookshire says.

\*\*\*

RecSports annual **Campus Christmas Family Skate** will be held from 5 to 7 p.m. Thursday, Dec. 20 at the Joyce Center ice rink. Admission is free with your Notre Dame I.D. Free skate rental is available while supplies last. A visit from Santa is expected!

**Holiday hours** for all campus sports facilities including Rolfs Sports Recreation Center, the Rockne Memorial and Rolfs Aquatic Center will be available at [recsport.nd.edu](http://recsport.nd.edu) after Dec. 7.



This photo of last year’s family Christmas skating party shows the fun to be had from 5 to 7 p.m. Thursday, Dec. 20. *Photo provided.*

## FYI

### ‘Performance Management’ project to expand in 2008

2007 saw the University enter a new phase of employee evaluation and development with a process called “performance management.” Exempt employees underwent extensive training last summer as the first phase of the system was implemented.

A performance management system for “nonexempt” employees such as clerical workers, administrative assistants and service maintenance employees is expected to roll out sometime next spring. A committee of nonexempt and administrative representatives is custom-designing a process that both supervisors and employees will find easy to use, according to Cindy Ewing, manager of learning and organizational development.

Performance management differs

from previous evaluation methods in that it measures both what and how employees do their jobs in the context of the University’s goals and values. It also emphasizes continual feedback and coaching through the year.

The process also will consider the findings of the employee satisfaction survey ND Voice, which indicated that employees want a process that focuses on career development and a better way to match pay with performance. As the committee irons out the new process, it will host a series of focus groups to get feedback on the design, Ewing says.

The performance management processes are based on the University’s values of accountability, teamwork, integrity, leadership in excellence and leadership in mission. They intend to help us achieve the goals: to become a premier research university, offer an unsurpassed undergraduate education, ensure that the Catholic character

informs all endeavors of the university, create a culture of service and communicate effectively to internal and external audiences.

### Christmas open house at Main Building

President Rev. John I. Jenkins, C.S.C., and the officers of the University invite faculty and staff members to attend the annual **Christmas Open House** at the Main Building, 2 to 4 p.m. Thursday, Dec. 13. There will be performances by the Glee Club, the Handbell Choir and Voices of Faith.

### Musical events for the holidays

At 2 p.m. Saturday, Dec. 8, performance majors from the Department of Music will present a **Student Chamber Music Recital** featuring classical music on violin,

cello, piano and harp in the Penote Performer’s Assembly, Performing Arts Center. The event is free, but ticketed. Call the box office at 631-2800 to make reservations.

**Collegium Musicum**, a vocal ensemble specializing in sacred and secular music from the Medieval, Renaissance and Baroque periods, will perform at 7 p.m. and 8:30 p.m. Tuesday, Dec. 11 in the Reyes Organ and Choral Hall. Tickets are \$3 for faculty, staff, senior citizens and students.

Celtic fiddler **Eileen Ivers** will present “**An Nollaig—An Irish Christmas**” at 8 p.m. Friday, Dec. 14 in the Leighton Concert Hall. Tickets are \$32 for faculty, staff and senior citizens, \$15 for students. The concert will feature traditional Irish songs, original tunes and holiday favorites arranged by Ivers and Immigrant Soul, including “Hark, the Herald Angels Sing” in traditional jig time.

View a live, high-definition broadcast of the Metropolitan Opera’s “**Romeo et Juliette**” in the Browning Cinema at 1:30 p.m. Saturday, Dec. 15. Tickets are \$22 for adults, \$15 for students of all ages.

Other musical events on campus include:

The **Women’s Liturgical Choir** will sing at the 5 p.m. Vigil Mass at the Basilica of the Sacred Heart on Saturday, Dec. 8. The public is welcome to attend.

The “**Christmas at the CoMo**” benefit concert for Bangladesh will take place at 7:30 p.m. Tuesday, Dec. 11 in the Coleman-Morse first floor lounge. The concert features the Notre Dame Celebration Choir singing traditional carols and sacred music for the holiday season. Admission is a free-will offering. For more information, call 631-9326.

### Film at the Browning

“**All the Invisible Children**,” part of the **WORLDVIEW** film series, will be screened at 7 and 10 p.m. Saturday, Dec. 8 in the Browning Cinema,

DeBartolo Center for the Performing Arts. The film tells seven powerful stories of the neglect and exclusion of children through the eyes of seven different directors, each representing a different area of the world. Katia Lund, director of “Bilu and Joao,” the story of two homeless Brazilian children, is scheduled to be present.

Other upcoming films at the Browning include Ingmar Bergman’s “**Wild Strawberries**” at 7 and 10 p.m. Thursday, Dec. 13; “**Fanny and Alexander**” at 7 p.m. Friday, Dec. 14 and “**The Darjeeling Limited**” at 7 and 10 p.m. Saturday, Dec. 15. Tickets for films are \$5 for faculty and staff, \$4 for seniors and \$3 for students.

### Our Lady of Guadalupe, Christmas liturgies at the Basilica

A Mass in honor of **Our Lady of Guadalupe** will be celebrated at 5:15 p.m. Wednesday, Dec. 12. The Folk Choir and the Coro Primavera de Nuestra Señora, a choir that performs traditional and contemporary Spanish music, will perform.

**Christmas Eve**, Monday, Dec. 24, Mass will be celebrated at 11:30 a.m.; there will be Christmas Lessons and Carols at 11 p.m., followed by Midnight Mass. **The Nativity of Our Lord** will be celebrated at 10 a.m. Christmas Day, Tuesday, Dec. 25. No liturgies are scheduled Dec. 26 to 28. Services resume with the 5 p.m. **Vigil Mass** at 5 p.m. Saturday, Dec. 29.

### Holiday goodies available from Catering...by Design

**Catering...by Design** offers cakes, cookies and other goodies for use at home as well as at the office. If you’d rather skip holiday baking this year, visit [food.nd.edu/catering/](http://food.nd.edu/catering/) or call 631-7859 between 8 a.m. and 6 p.m. Holiday orders should be placed by Friday, Dec. 14 for pickup through Friday, Dec. 21.

## FROM THE ARCHIVES



The Log Chapel, pictured in an undated photograph, was built in 1906 as a replacement for Father Badin’s original Log Chapel, which burned in 1858. The story-and-a-half cabin was constructed with timbers hewn by William Arnett, a former slave from Kentucky. *Photo provided by Elizabeth Hogan, Notre Dame Archives*

# BACK STORY



The treetop angel is put in place first, not last—the tree is decorated from the top down.



*Assembling and decorating the Christmas tree in the Main Building takes a crew of General Services staffers the better part of three days to complete...*



After the tree is assembled, the most time-consuming part is fluffing out and filling in the branches—a process that takes most of a day.

Below: More than 500 ornaments decorate the tree.



First the tree is hung with lights—3,500 of them.

Below: General Services staffers Bruce Fidler, left, and Mike Sobieralski



After the lights are up, the tree is to be draped with 150 yards of gold ribbon.



*Photos by  
Carol C. Bradley*



When the tree is decorated, the nativity scene is put in place. The final touch will be the addition of poinsettias at the base of the tree.