

# Report of the President Indiana State University 2005-2006



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REPORT OF THE PRESIDENT • INDIANA STATE UNIVERSITY • 2005-2006



# Report of the President Indiana State University 2005-2006





ABOVE:  
This student is learning how to check his account balance using his new debit card.

FRONT COVER:  
Exterior shots of the Network Financial Institute (NFI) Money Bus.  
To learn more about the NFI Money Bus turn to page 13.



ABOVE:  
Jeff Zimmermann talks with one of his models for the Terre Haute Boys and Girls Club mural.

BOOKMARK:  
*Salute* by Marcia Wood  
Gift of the Wood family Foundation 2001.  
Located at northeast entrance of the Fine and Performing Arts Center.



# HOW TO BEGIN

1. Insert your card
2. Find the matching charity symbols.

# To Check your ACCOUNT

## Report of the President Indiana State University 2005-2006

INSERT YOUR  
CARD HERE

my money helps a lot.  
here are other ways  
to too.



insert your c

Do you  
MOM

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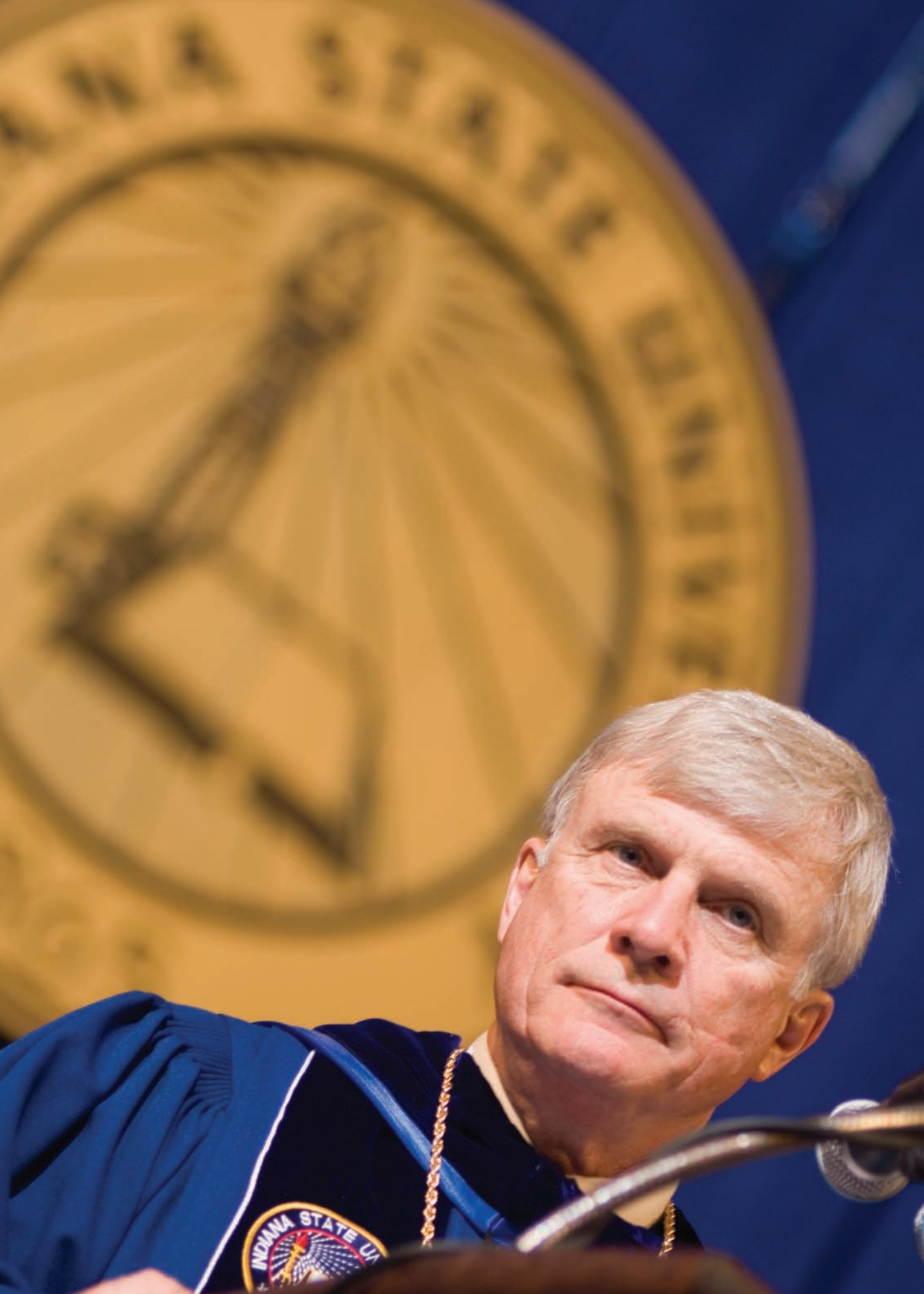
2005-2006

Indiana State University • Report of the President

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Dear friends,

I am pleased to provide you with this copy of the *2005-2006 President's Report* from Indiana State University.

Four years ago, we defined a new course for Indiana State University, "The Path to Pre-Eminence," with an emphasis on providing a high-quality education that augments classroom education with an array of experiential learning and community engagement activities. Our campus has embraced this vision and has worked diligently to advance it across all areas of the University.

While these pages reflect only a modicum of the activity occurring on our campus, they provide a glimpse into the transformation that has occurred in the educational experience our students are provided.

These efforts are not only enhancing the education our students receive, they are garnering national recognition for our institution on many fronts, including:

- Continued selection as one of The Princeton Review's "Best of the Midwest" colleges and universities
- Recognition by President George W. Bush as part of the first President's Higher Education Honor Roll for Community Service for our efforts in assisting those impacted by Hurricane Katrina and for our general community service efforts
- Inclusion in The Princeton Review's annual guide of "Best Value Colleges" for providing a quality education experience at an affordable cost
- Selection as one of only 62 institutions across the country to receive the new Carnegie Classification for Community Engagement in both areas of the classification—curriculum and community partnerships

These forms of recognition validate the tremendous work of our faculty, staff, and students in advancing our University and our community. However, the most meaningful reward for this work is in the comments we hear from our students about how their lives have been forever changed by the experiences they have had at Indiana State University and how they intend to serve others after graduation.

Thank you for your support of Indiana State University and the students we serve.

With warm regards,

A handwritten signature in blue ink, reading "Lloyd W. Benjamin III". The signature is fluid and cursive, with the first name "Lloyd" and last name "Benjamin" being more prominent.

Lloyd W. Benjamin III  
President





# Impact of ISU

The results of an independent study completed in 2006 by the Jacob France Institute at the University of Baltimore show that Indiana State contributes nearly \$400 million annually to the local and state economies.

“Indiana State is one of the area’s largest employers with a residential population that exceeds many of the surrounding communities. In 2004-2005, the University pumped \$392 million into the local and statewide economies, money which became income for both area residents and businesses,” said Kevin J.G. Snider, executive assistant to the president for strategic planning, institutional research, and effectiveness.

The impact represents a nearly five-fold return on the state’s investment in the University.

“For every dollar the legislature appropriated to Indiana State University, the community and state received a return of \$4.74,” said Snider.

The study showed that Indiana State is directly and indirectly responsible for 5,385 jobs. The University employs 2,785 full and part-time workers and indirectly supports another 2,600 jobs through its operations and activities. The University’s payroll for 2004-2005 was \$108.4 million with another \$57.9 million in compensation for the indirect jobs related to the University’s operations.

The annual Blue and White Parade and other Homecoming activities bring thousands of alumni and other visitors to the ISU campus and Terre Haute each fall.

“In addition to its educational mission, Indiana State University serves as the cultural center and a major driver for tourism in the Wabash Valley. Visitors to our campus stay in local hotels, eat in area restaurants, buy gas at local service stations, and shop in Terre Haute retail outlets,” said Snider.

The study indicated that an estimated 184,000 visitors came to ISU during 2004-2005 to attend events ranging from Division I athletics, touring Broadway productions, internationally recognized speakers, academic conferences, art exhibits, the Contemporary Music Festival, Terre Haute Symphony performances, student activities, theatrical performances, concerts, alumni events, and other activities.

These visitors spent an estimated \$27.6 million while visiting the Indiana State campus and Terre Haute.

Each year, the University also provides the community and state with a skilled pool of more than 1,800 graduates ready to enter the workforce. Most of Indiana State’s graduates remain in Indiana. Indiana State graduates work in nearly every sector of the economy illustrating the University’s role in meeting the state’s demand for an educated and skilled workforce, Snider added.

- \$392 million impact on Indiana’s economy
- 5,385 jobs
- \$166.2 million in salaries and wages
- \$4.74 return for every \$1.00 in appropriation
- 184,000 visitors annually
- \$27.6 million in expenditures by visitors
- 1,800 plus graduates per year
- Increased earnings, public service, educational, cultural, and community contributions



Provost Jack Maynard noted the impact of higher education on an individual's lifetime earnings as indicated in the study.

"Indiana State University graduates enjoy an enhanced standard of living compared to Indiana residents who do not pursue higher education. To put it simply, going to college is worth it," Maynard said.

On average, individuals in Indiana who earn a bachelor's degree will earn 47 percent more over the course of their lifetime than those with only a high school diploma. Earnings for those with advanced degrees are another 20 percent higher for males and 36 percent higher for females over those with a bachelor's degree.

University President Lloyd W. Benjamin III noted the report also found ISU devotes a substantial part of its efforts to working in the local community, the state, and beyond.

"I am proud of the economic impact Indiana State University has on the region and the state. However, I am even more proud of the engagement activities outlined in the report. Solving problems for area business and industry, providing free immunizations and physicals, and building a Habitat home for a single mother and her children are just a few of the examples of the impact a university can have on its community. The collective efforts of our students, faculty, staff, and alumni positively impact

countless lives in ways that numbers simply cannot relate," Benjamin said.

The report details the work being done to promote economic development and improve the public education, health, and welfare of the Wabash Valley region through a number of centers and programs. Indiana State University students, faculty, and staff provide assistance to individuals, non-profit agencies, school corporations, and companies.

The complete report is available on-line at <http://irt2.indstate.edu/home/services/economic.htm> ●

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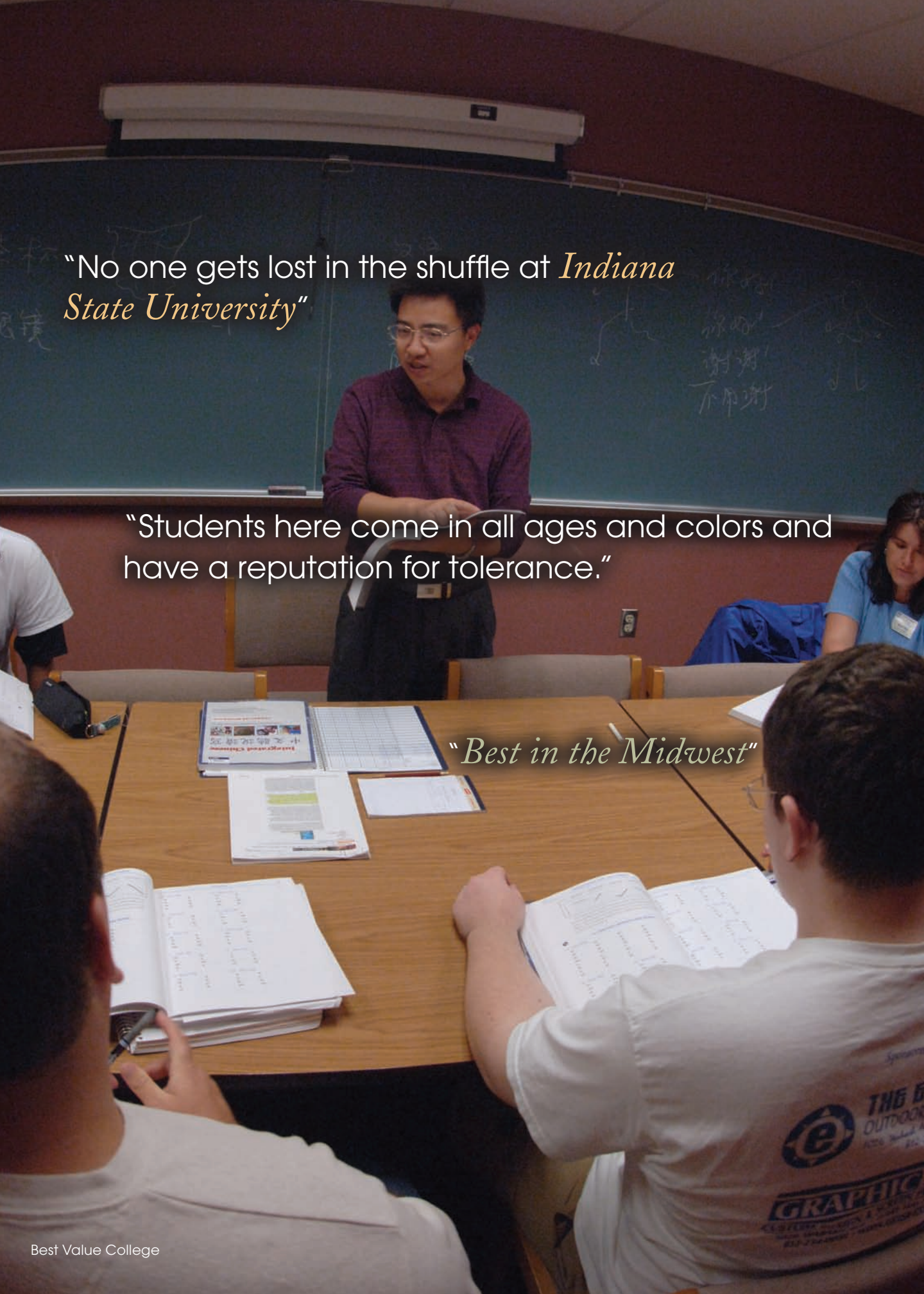
—Lloyd W. Benjamin III  
President, Indiana State University





Brad Paisley performs at Hulman Center.





"No one gets lost in the shuffle at *Indiana State University*"

"Students here come in all ages and colors and have a reputation for tolerance."

*"Best in the Midwest"*

# Best Value College

Saying “no one gets lost in the shuffle at Indiana State University” and citing its “private school feel,” the Princeton Review named ISU one of the nation’s “best value” undergraduate institutions.

The New York-based education services company featured Indiana State in the 2006 edition of its book, *America’s Best Value Colleges*. Only a select group of 150 of the nation’s more than 3,000 colleges and universities made this year’s list. Institutions were selected based on a combination of excellent academics, generous financial aid packages, and relatively low costs.

At Indiana State, “students can expect to find a welcoming student body, a large variety of course offerings, and professors who are happy to see you in class and just as happy to make time to meet with you outside the classroom. Their passion for teaching makes the experience a good one,” the book’s editors wrote. “Students here come in all ages and colors and have a reputation for tolerance.”

The Princeton Review selected the “best value colleges” based on data the company obtained from administrators at 646 colleges, and its surveys of students attending them. The book includes both public and private colleges in 40 states.

“We considered over 30 factors to rate the colleges in four categories: academics, tuition GPA (the sticker price minus the average amount students receive in scholarships and grants), financial aid, and student borrowing. We recommend the 150 schools in this book as America’s best college education deals for 2006,” said Robert Franek, vice president of publishing for the Princeton Review.

The publication notes that Indiana State’s tuition is the lowest of all the state’s public, doctoral-research institutions; and the University offers plentiful need-based and merit-based aid, with need-based aid awarded to 95 percent of all students who qualified for aid during 2004-2005.

Selection of Indiana State as a Princeton Review “best value college” follows two years in which the University was named to the publication’s “Best in the Midwest” list of colleges and universities. ●





# Laptop University

**I**ndiana State University will become the first public university in the state to require all undergraduate students to have notebook computers, beginning with incoming freshmen in fall 2007.

The decision was announced in fall 2005 after the proposal gained the endorsement of student leaders.

“The importance of the initiative is found in its focus on improved learning and post-graduate preparation for entry into a world increasingly defined by technology, globalization, and communication,” said Provost C. Jack Maynard.

The notebook requirement further supports Indiana State’s commitment to attracting high-achieving students, he said.

“The Student Government Association feels this is a program of great educational merit. The practical implications of giving all students this level of technology are limitless,” SGA President Hobart Scales said. “This initiative once again illustrates that ISU is an innovator in higher education in the state of Indiana. Technologically we again reassert our dominance over our peers with this program and I’m excited as a student to be at Indiana State University.”

A committee comprised of students, faculty, and administrators worked with Indiana State’s Office of Information Technology to address



implementation issues raised by an earlier feasibility study and the Student Government Association.

Announcement of the notebook program places Indiana State at the forefront of an emerging national agenda to promote “one-to-one” computing in education, which envisions the creation of learning environments in which every student is assured continuous and pervasive access to the rich set of tools and information resources today’s technology offers, Maynard said. ●



Hannah Switzer of West Terre Haute, Indiana, was among approximately 700 freshmen to receive the inaugural Laptop Scholarship Award—A free business grade laptop computer.



Within the past year, Indiana State joined the ranks of high-performance computing with the acquisition of a powerful computer cluster capable of performing nearly a trillion operations per second, a capability that will greatly improve the University's standing as a research institution. In addition, 98 percent of the ISU campus is equipped for wireless computing.

In requiring student ownership of notebook computers, Indiana State will join the ranks of such schools as the University of North

Carolina—Chapel Hill, Northern Michigan University, Clemson University, and the College of William and Mary, which all have similar initiatives.

Indiana State President Lloyd W. Benjamin III highlighted the importance of the initiative in his fall address to the campus, in which he outlined ISU's plan to strengthen the educational experience for all students and enhance the image of the University. ●

## Indiana State awards laptop scholarships

**I**ncoming freshmen at Indiana State University who earn at least a 3.0 grade point average in high school began receiving an unique scholarship in fall 2006 in the form of a business-grade laptop computer.

"We wanted to create a recognition program that augments our merit scholarships for top students by providing something of significant value to an expanded group of high-achieving students. We feel students who have earned a 3.0 grade point average or above deserve to be rewarded for their efforts," said C. Jack Maynard, provost and vice president of academic affairs at Indiana State University.

The decision to offer laptops rather than a tuition discount is connected to the University's laptop initiative and emphasis on the role technology plays in higher education, he added.

"In order to prepare our students for success in today's global economy where communication is critical, they must be technologically literate. We have made access to technology a priority for our students with the development of campus-wide wireless networking, high-performance computer capability, and special-

purpose computer laboratories. Technology is transforming the way our faculty teach and the experiences our students have. The development of the Laptop Award was a natural extension of this priority," said Benjamin.

"This is an investment in student success. We want to recognize these students for their achievements and provide a tool that will help them continue that success at Indiana State University," said Rebecca Libler, associate vice president of enrollment services.

To qualify for the ISU Laptop Award, entering freshmen must meet the minimum grade point requirement (based upon a 4.0 scale), have earned an Indiana Core 40 diploma or its equivalent, and be admitted to Indiana State University by March 1. To be eligible, incoming freshmen must be enrolled in a minimum of 12 hours at ISU. Out-of-state students are also eligible for the award.

In its first year, Indiana State awarded nearly 700 laptop scholarships to freshmen entering in fall 2006. ●



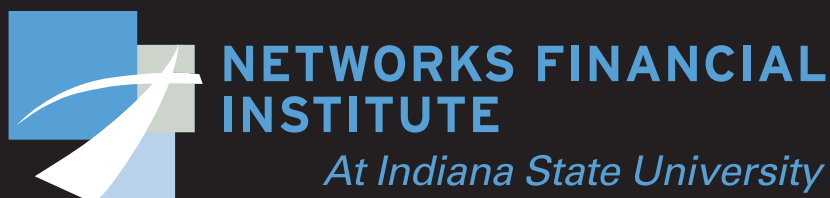




"In order to prepare our students for success in today's global economy where communication is critical, they must be technologically literate."

—Lloyd W. Benjamin III  
President, Indiana State University





Indiana State University's Networks Financial Institute (NFI) is rapidly becoming a leader in the financial services industry by developing curriculum and programs to address financial literacy, helping prepare future financial services professionals, and conducting research and hosting forums on issues related to the field. Created in 2003 with a \$20 million grant from the Lilly Endowment, NFI is a not-for-profit organization headquartered in Indianapolis, with offices on ISU's campus in Terre Haute and in Washington, D.C.

# Networks



Indiana State University's Networks Financial Institute (NFI) has unveiled an exciting and innovative concept in the world of financial literacy education—an interactive classroom on wheels.

The “Kids Count on the Money Bus”—or the “Money Bus,” for short—provides a visual, hands-on way of exposing young students, particularly in grades three through five, to financial concepts, such as saving and spending wisely, managing financial accounts, using credit and debit cards, and much more.

The Money Bus officially made its debut in April as part of NFI's second Indiana Financial Literacy Conference in Indianapolis in conjunction with National Financial Literacy Month.

To get a better understanding of the state of financial literacy instruction, NFI conducted a survey of teachers of Indiana's youth from kindergarten through twelfth grade. In the process, they learned a lot about what is and isn't happening in the area of financial literacy in Indiana's classrooms.



Based on the research, it was determined that 46 percent of the teachers polled do not teach financial literacy at the kindergarten through fifth-grade levels, and 54 percent do not teach financial literacy at all. This situation exists despite the fact that 80 percent of kindergarten-12 teachers polled feel it is important to teach financial literacy in their classrooms. Seventy-five percent said they would teach more about financial literacy if there were academic standards directly relating to it.

integrated, standards-driven financial literacy program from kindergarten through high school.”

As early focus groups were conducted, very clear ideas surfaced as to what the Money Bus should encompass. First, it needed to be available at little or no cost to the schools. Its primary focus needed to be on learning rather than entertainment, with a solid, comprehensive curriculum at its core. Finally, the curriculum had to be mapped to Indiana academic standards in order to be relevant.

Bringing such a creative, detailed concept to life took many hours, minds, and hands, including manufacturer Farber Specialty Vehicles; designer Rowland Design Inc.; builder Murphy Catton Co.; and curriculum developer Words and Numbers Inc., in conjunction with Priscilla Wolfe, director of the Leadership Development Institute in ISU’s College of Business; and many others.



Armed with this information, NFI turned its attention to tapping into the desire and energy that most Indiana teachers have for teaching financial literacy, in part, by addressing the specific barriers they face—time, resources, and clear standards.

“Our hope is that the Money Bus will be a catalyst for change in the hearts and minds of Indiana’s educational and political leaders,” said Elizabeth Coit, executive director of ISU’s Networks Financial Institute, “that the bus will add critical weight to a move toward an

“This is truly a one-of-a-kind initiative,” said David Godsted, director of outreach for ISU’s Networks Financial Institute.

The Money Bus curriculum will be experienced through an in-school bank and 13 different financial literacy activities inside and outside the 40-foot passenger coach. Two features are swipe-card technology to track a student’s participation and purchases while on board, and the “Build Your Own Sundae” exhibit which shows students how sundaes vary in price based on the ingredients.

NFI piloted its Money Bus program this spring and summer with official visits beginning in fall 2006. The bus' future activities will be coordinated by a staff facilitator, who will

schedule activities with schools, teachers, volunteers, and students. ●

## Indiana Legislature Supports NFI and Network Scholars

During the 114th Indiana General Assembly, the Indiana House and Senate recognized Indiana State University's Networks Financial Institute for its continuous efforts to increase and improve human resources for the financial services industry as well as its in-depth and far-reaching financial literacy initiatives throughout the state.

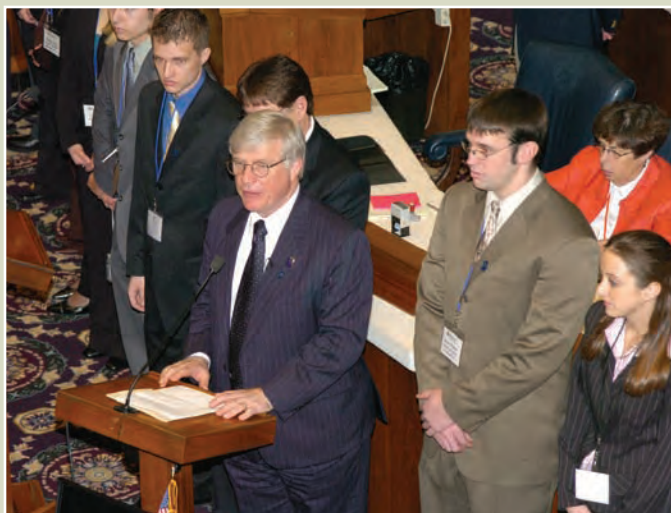
"We're really pleased to gain this kind of recognition for a program of study that is really important for preparing future leaders in financial services for the state," said ISU President Lloyd W. Benjamin III. "Our goal is to continue to build on the success we've had for the past four years as we continue to attract some of the brightest and the best who want to be involved in that industry."

Representatives of Indiana State, Networks, and the Networks Scholars Program were present as the House and Senate presented the joint resolution on their behalf. One reason for the resolution, which was introduced by Representative Clyde Kersey and Senator Tim Skinner, was the fact that Indiana State provides vital resources to the financial services and insurance and risk management industries via the prestigious Networks Scholars Program.

"The students really speak for the Networks Scholars Program and for its success," said Elizabeth Coit, executive director of Networks

Financial Institute at ISU. "It's amazing how fast and how successfully they can really start to embrace their careers, even in the early years of their college education, and opportunities like this give them a leg up that they wouldn't get otherwise."

Networks Scholar April Huey, a junior accounting and finance major, says the experience of being publicly recognized at the Statehouse was an occasion she'll not soon forget.



"It was very encouraging to hear so many of our state representatives come out in support of the Networks Scholars Program and Networks Financial Institute at ISU," said Huey, who was



one of about 25 scholars in attendance. “It was an unique experience for all of us.”

In addition to the extremely competitive scholars program, Kersey said Networks “leads the way” in regard to its statewide education and outreach initiatives on current financial literacy issues.

“The legislature is looking for universities to do these kinds of things,” Kersey said, “so Indiana State is very much in tune with what the legislature would like to have happen.



Indiana State is on the leading edge, and that is something of which we are very proud.” ●

## NFI Partners with Inside Indiana Business to Promote Financial Literacy

**D**uring National Financial Literacy Month in April, NFI partnered with Inside Indiana Business to launch a statewide financial literacy awareness campaign to educate and engage Hoosiers in improving financial literacy in Indiana.

The campaign will run through April 2008 and is supported by media-based education and web-based resources designed to heighten awareness of the issues that affect financial literacy and educate individuals on how to make better financial decisions.

Indiana leads the country in home foreclosures and struggles with an extremely high personal bankruptcy rate.

Inside Indiana Business is assisting with the campaign by developing public service announcements for television and radio, a series of full-screen graphics to promote the campaign, articles communicating financial literacy statistics on the Inside Indiana Business web site, updates in the Inside Edge e-newsletter, and interviews with financial literacy experts on the weekly television show, *Inside Indiana Business* with Gerry Dick.”

The campaign will focus each month on a new topic relevant to financial literacy. More information on the Indiana Financial Literacy Campaign is available at [mycashcounts.org](http://mycashcounts.org). ●

# Ethics Conference Draws Attendees from Around the State

**A**n ethics conference planned by Junior Network Scholars along with Presidential and Gongaware Scholars from Indiana State University drew more than 400 attendees from ISU and other state universities and colleges.

Conference sessions featured expert speakers and industry panelists who addressed topical ethical issues faced by today's business leaders including genetic testing, the Sarbanes Oxley Act, employing illegal immigrants, illegal music downloading, and insider trading.

Based upon a NFI survey of employers in the banking, insurance, and securities industries,

strong ethics and understanding of ethical issues are highly desired skills in potential employees. The Networks Scholars Program includes an emphasis on ethics and team leadership.

Ashley Cameron, a finance major from Rushville, Indiana, and Danielle Thompson, an insurance and risk management and business administration double-major from Terre Haute, Indiana, served as co-chairs of the ethics conference planning committee. ●

"The students really speak for the Networks Scholars Program and for its success,"

—Elizabeth Coit

Executive director, Networks Financial Institute at ISU



**N**ationally syndicated *Washington Post* columnist Michelle Singletary spoke this spring at an NFI-sponsored event designed to educate central Indiana residents about the importance of making practical, sound financial decisions. The

event, sponsored by WFYI public television station, was attended by more than 200 individuals who also were able to meet with exhibitors from the Financial Planning Association of Greater Indiana to discuss various financial planning resources available to them. ●



# Insurance Regulatory Reform Topic of Interest at 2006 NFI Insurance Summit

Two very different positions on the proposed optional federal charter (OFC) for the insurance industry emerged as part of Networks Financial Institute's third annual insurance summit at the Ronald Reagan International Trade Center in Washington, D.C. The summit was presented by NFI at Indiana State University and sponsored in part by B&D Consulting LLC.

"The idea of insurance regulatory reform is a growing topic, and we're happy to be playing a lead role in bringing these key decision makers together to discuss it," said Liz Coit, executive director of Networks Financial Institute at Indiana State University. "This year's summit has enabled us to engage in some very active dialogue regarding the industry."

One argument throughout the course of the day was in favor of an optional federal charter, putting the federal government in the regulatory driver's seat. The other was in favor of the State Modernization and Regulatory Transparency Act, which would leave the primary power in the hands of the state, but defer to the federal government in some cases.

Democrats and Republicans and insurers from all walks of life at the summit agreed that current regulatory systems for insurance must be modernized sooner rather than later. What remained unresolved were the questions of "when" and "who?" When will legislation happen: soon or not in our lifetimes? Whose charge will it be to regulate insurance: the individual states or the federal government?

Glenn E. Westrick, who serves as counsel for the House Financial Services Committee, agrees that the federal government can play an important part in the insurance regulation process.

"I think most rational people are skeptical of federal intervention; however, there's a point where national action and uniform regulations are required," Westrick explained. "There is a critical role for government to play if state regulators are not meeting the needs of the insurance marketplace and insurers in general. States need uniform pressure if they are ever going to perform in concert, and only Congress can provide that pressure."

Indiana State University's Networks Financial Institute strives to build strong links among policy-makers, professionals, and industry leaders as part of its annual regulatory reform summits. ●





Campus Snapshot:  
Normal Hall





# Motorsports

A new minor in motorsports management at Indiana State University is doing more than getting current and future students revved up about the possibilities. It's also showing that ISU is responsive to the needs of the motorsports industry—an area of growing importance, economically and otherwise, to the state of Indiana and the nation.

Three ISU colleges (business, health and human performance, and technology) will collaboratively deliver a minor, beginning in fall 2006, which will focus on motorsports



ISU co-sponsored "The Business of Winning," the Motorsports Industry Association's annual conference with the U.S. Grand Prix at the Indianapolis Motor Speedway.

management. It will draw on the expertise of ISU faculty in these colleges and is expected to complement a variety of degrees on campus.

"Motorsports is a large and diverse sector of our economy and historically has provided

employment for many of our graduates, especially from automotive technology management," said W. Tad Foster, dean of ISU's College of Technology. "The industry is growing rapidly in size and complexity and, based on input from our advisory groups, we believe the time is right for the creation of degrees specifically designed for this industry."

The minor will include 21 credit hours of required and elective courses, including everything from "Introduction to Risk and Insurance" to "Legal Environment of Business" to "Marketing Applications in Sports" to "Introduction to Automotive Engines," among others.

Besides driving a car or other motorized vehicle in competition, motorsports careers run from one end of the spectrum to the other. The industry encompasses occupations such as vehicle design, building, maintenance, management, and promotion as well as the creation, financing, management, and promotion of facilities, products, and services in support of these competitions.

Scot Elkins, a member of the Motorsports Management and Automotive Technology Management advisory boards, graduated from ISU's Manufacturing Technology Program in 2000. Today, he is the director of technology for the Champ Car World Series, and says a minor such as this would have been a wonderful introduction to his career.



“If it (minor) were here I would have started my career path a lot sooner because at the time I didn’t know that working in motorsports as a career was even an option,” he said.

Elkins and others like him, have joined with ISU faculty to mold the Motorsports Management Program into an unique offering and to assist Indiana State in playing a major role in the motorsports industry throughout the state of Indiana and beyond.

As part of their motorsports partnerships and outreach initiatives, ISU faculty and advisory board members have been working hard to garner input from key players via an industry survey. Representatives from ISU’s College of Business developed a comprehensive survey to take the pulse of the motorsports environment as it now stands. Developed in partnership with the Indiana Economic Development Corporation—the survey will help them determine exactly what jobs exist, what specific skill sets are needed, and what the future

growth potential is for these companies and their services in each sector of the industry.

Besides building the curriculum and garnering industry feedback, ISU also brought in a visiting fellow for six-months to jump-start some specific motorsports-related initiatives. Guy Faulkner of the University of Westminster, London, England, is aiding in the development of the minor and in cultivating motorsports partnerships at the state, national, and even international levels.

“As we move forward from today, it’s going to be my pleasure to share with companies all over the United States and some around the world the strengthening of our motorsports workforce that we’re going to have due, in great part, to schools and universities like Indiana State University,” said Matt Steward, director of motorsports development for the Indiana Economic Development Corporation, a major partner in this initiative. ●

## Indiana State Joins Motorsport Knowledge Exchange

**I**ndiana State University has become the first institution from outside the United Kingdom to join the Motorsport Knowledge Exchange, an academic consortium that provides education and training to the motorsports industry at a variety of levels.

The exchange is based in the Motorsport Valley, a region of central and southern England that is home to some 4,000 motorsports companies, including six Formula 1 teams and dozens of suppliers to teams competing in Formula 1, Indy Racing League, Champ Car, Grand Am, NASCAR, NHRA, and other series.

The addition of Indiana State to the exchange’s existing partnership of eight British colleges and universities was announced during the Motorsports Industry Association’s seventh annual motorsports conference, in conjunction with the Formula 1 U.S. Grand Prix at the Indianapolis Motor Speedway.

“Our partnership with the Motorsport Knowledge Exchange sends a strong signal that we are serious about meeting the needs of this exciting industry—from the dirt track at the Wabash Valley Fairgrounds to the two-and-one-half oval at Indianapolis and beyond. Racing

is a global industry and ISU is proud to be the Exchange's first international partner," said C. Jack Maynard, ISU's provost and vice president for academic affairs.

Partner institutions of the Motorsport Knowledge Exchange offer courses with content pertinent to the industry that take into account the time frames required for small companies, in particular, to engage properly and benefit fully. They also recognize the need for real-world training outside traditional classroom environments.

"We are delighted at the opportunity of welcoming Indiana State University as the first international institution to be part of the MKE,"

said Mike Meechan, manager of the Motorsport Knowledge Exchange. "We are excited about ISU's participation in educating the global motorsport community for success."

Other members of the Motorsport Knowledge Exchange are Oxford Brookes University, Oxford Cherwell Valley College, University of Hertfordshire, The Open University, Britain's National College of Motorsport, Cranfield University, Brunel University of West London, and Brooklands College. ●



Indiana State University automotive technology management majors Josh Maller and Greg Sitzman, unload some of the SAAB engines donated to the University by General Motors. GM donated 18 SAAB and ten Ecotec engines, as well as a 2006 Buick Lucerne, to ISU's Automotive Technology and Motorsports Management Programs.





Campus Snapshot:  
ISU Early Childhood Education Center

Community Engagement

# Community Engagement

## University Sponsors Habitat House

Spring break is normally a quiet time on the campus of Indiana State University, but not this year. The College of Technology was filled with the ringing of hammers, buzzing of saws, and cheering of volunteers as the walls of Terre Haute's fifty-first Habitat for Humanity home were put together.

More than 270 faculty, staff, and students volunteered for the project. Many students even gave up their traditional spring break to help kick off the construction efforts.

ISU sponsored the building of the Habitat House in conjunction with the city's annual April observance of Human Rights Day, which focused on poverty, hunger, and homelessness this year.

The Center for Public Service and coordinated the effort, together with the College of Technology, the Office of Student Activities and Organizations, the Support Staff Council,

the Office of Alumni Affairs, and Facilities Management.

"One of the things we do at Indiana State is give back to the community," said ISU President Lloyd W. Benjamin III. "We want to be very engaged in the community. I think creating a home for a family is one of the best expressions of community."

The walls were framed in the Construction Technology Laboratory during spring break. When finished, the walls were moved to the house's permanent location on the city's south





side where it was completed and now serves as the home of Holly Wolfe and her three young children. Wolfe worked alongside the ISU community, contributing 275 sweat equity hours to the project.

ISU students learn important life-skills by participating in projects such as this, says Charles Norman, ISU associate professor of sociology.

“The great thing about this project is that it gives students an opportunity to apply so many of their skills in technology, marketing,

advocacy, and community building and do something good at the same time,” Norman said. “Everyone who worked on this project knows that they made a difference, and that is an empowering experience.”

Career Center staff member Neal Wagner took the week of Spring Break off and devoted several of those days to framing walls in the Construction Laboratory. With the Habitat home being built on his doorstep, Wagner wanted to take advantage of this unique opportunity.



Volunteers put up a wall on the ISU Habitat House.



The Sign a Stud campaign was one of the many fundraisers for the house.

“I’ve always wanted to do it and this is the first time I’ve really had a good opportunity, since the University is sponsoring it,” he said. The ISU community raised more than \$16,000 toward the cost of the home, through the efforts of several fundraisers on campus and in the greater Terre Haute area.

Michael Longest, director of Wabash Valley Habitat for Humanity, said that the “Bowl-A-Thon” sponsored by the Support Staff Council was the single largest fundraiser for a Habitat house locally.

“Volunteers are the lifeblood of our entire program,” Longest said, “but when you can get an organization like Indiana State faculty, staff, and students to take on a project like this, it’s just an incredible experience for our organization.”

The keys to the new home were turned over to Wolfe during an emotion-packed ceremony on June 20. “Habitat is amazing,” she said. “We don’t make enough money, so this is a blessing. It’s a very good opportunity to grow, to have a foundation, to get better. We are so grateful to the Habitat organization and to Indiana State University.” ●

## Alternative Spring Break Aids Hurricane Victims

Caitlin Brewster had never roofed or gutted a house, skills she said she would ordinarily never have learned, and certainly not while on spring break from Indiana State University.

But the 19-year-old freshman was among 35 Indiana State students who took part in Alternative Spring Break, a program that encourages college students to volunteer their spring break to serve others.

This year’s focus was helping victims of Hurricane Katrina in and around Biloxi, Mississippi, and in St. Bernard’s Parish, Louisiana.

Like most Americans six months ago, Brewster sat stunned as she watched images of Katrina and its devastation flash across her television; but instead of just watching, she wanted to do something. When she found out about Alternative Spring Break, she jumped at the chance.

“It was a great opportunity and I really wanted to go and help people, even though my friends didn’t really get it, and I didn’t know what to expect,” said Brewster, a freshman criminology major from Terre Haute, Indiana.

What Brewster found along the Mississippi Gulf Coast exceeded what expectations she did have.



“TV doesn’t give the damage justice,” she said. “It gave me an eerie feeling because no one was living there, and all I could keep thinking was that someone’s life was completely ruined,” Brewster said.

The students slept on the floor of an old church, and shared five showers among 100 volunteers.

Jessica Bush, a master’s student in the Human Resource Development Program, and co-organizer of the trip, said students had to take G.I. showers—rinse off, lather up, rinse off, and get out.

and a house that needed to be gutted in St. Bernard’s Parish in suburban New Orleans, an area that suffered the most damage when a levee broke, leaving houses and businesses under water.

In St. Bernard’s Parish, the volunteers didn’t see a single business in operation, and only two gas stations in the entire area were open, said Al Perone, director of student activities and organizations at ISU.

He recalled seeing houses with furniture sticking out of windows. The entire area

“Engaging our students in community service while at Indiana State prepares them to be active citizens throughout their lives.”

—Nancy Brattain Rogers

Director, Center for Public Service and Community Engagement

Brewster said on more than one occasion, they broke the water pump because so many people were trying to shower. During those times, she had to brush her teeth outside with a bottle of water.

Despite their living conditions, both students were adamant the trip wasn’t about them, but about the people they were there to help.

“The improvements we made while we were there were just a drop in the bucket of what still needs to be done,” Bush said. “I feel like I should still be down there.”

Students divided into groups and worked on four different sites—an alcohol rehabilitation center; two houses that needed roofing work;

smelled of mildew, and much of the water was contaminated with oil, he said.

The students said they worked long, exhausting days, waking at 6:00 a.m. and returning for dinner at 7:00 p.m. Despite the exhausting routine, Andrew Willman, 19, of Hartford City, Indiana, still didn’t want to go home at the end of the week.

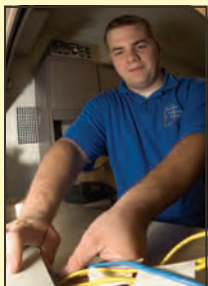
“I didn’t feel right being back on campus and doing my usual routine,” said Willman, a freshman criminology major. “I know a lot of other students who feel the same way. I want to go back.” ●

# SCRaP Links ISU Technology to Area Children

**T**welve-year-old David English worked three months at Ryves Hall to earn enough points for a computer from the youth center's "points store." The Chauncey Rose seventh-grader cleaned and worked in the facility's kitchen to earn the 10,000 points needed for a refurbished computer.

"I was excited," English said of the program that distributes refurbished computers to children at Ryves Hall Youth Center. "I was trying to get a computer because it would be the only computer I ever had of my own."

"Ninety-five percent of our children live in poverty," points out Ryves Hall executive director Jim Edwards. "It doesn't take a rocket scientist to realize that they probably don't have computers at home. Most of our children do not have any computer access except at school so they are behind the learning curve of other children."



Junior information technology major Jonathan Ellis hooks up a donated computer at Ryves Hall Youth Center at Etling Hall.

But Ryves Hall and a student-run program at Indiana State University are working to change that. Sycamore Technology Solutions, a student-organized program that links Indiana State technology students with non-profit organizations in the Wabash Valley, recently launched Sycamore Computer Refurbishing and Placement, or SCRaP, a program to refurbish



Information technology major Susan Boyd, a student consultant with Sycamore Technology Solutions, works on a refurbished computer as mathematics and computer science major Jessica Chestnut looks on.

donated computer equipment and offer it to members of the Ryves Hall community.

The computers are part of a points/rewards system the youth center has in place for children who take part in the program. By bringing in good grades on report cards, tutoring other children, cleaning at the center, working in the kitchen, and performing other tasks, children earn points they can use to "purchase" items at the center's points store. Children can use those points for everything from small toys, candy, and books, to bikes and computers.

"The program teaches them that they need to invest themselves in working toward their goals," Edwards said.

Some of the computers the Sycamore Technology Students (STS) team are working on are fully operational and need little work; others require reinstalled operating systems, hardware repairs, or replaced hard drives. The SCRaP project gives STS students the chance to get hands-on experience working on computers.

The Sycamore Technology Students team is comprised of junior and senior students majoring in computer science, electronics and computer science, information technology, management information systems, and other computer-related majors. The program is completely managed and operated by the student interns. ●





## SMART: Turning Goldfish into Mathematics

Calculating the number of fish in a lake is about as easy as finding a needle in a haystack—but not for students at DeVaney Elementary. They're SMART.

Fifty students at the school are participating in the SMART Program, a pilot, after-school mathematics tutoring initiative developed by Indiana State University's Center for Mathematics Education.

SMART, which stands for Student Math After-school Thinking Program, is a free outreach service for students in grades two

through five. One of the program's goals is to find new and exciting ways to teach mathematical concepts through the use of art, music, and literature.

"It not only creatively engages children in mathematical thinking, but it provides free learning experiences for all children, especially those considered at-risk for success in mathematics," said Marilyn Leinenbach, assistant professor of elementary education, director of the SMART Program, and a co-director of the Center for Mathematics Education at ISU.

The population at DeVaney definitely qualifies as “at-risk.” The school has a Title I designation and a 52 percent poverty rate (based on the percentage of children receiving free and reduced lunches).

The students have participated in a variety of hands-on projects that continuously test their mathematics skills and get them thinking about mathematics in new and different ways. Earlier this semester, they tested several brands of popping corn as a means of understanding percentages (popped vs. unpopped), and they’ve searched for the number of fish in a mythical Lake Monroe (gallon bucket of Goldfish crackers) and are using a variety of mathematics concepts in the process.

“The children don’t realize they’re doing mathematics because of the variety of activities we do,” said student teacher and SMART tutor Kathy Sykes, who worked at North Putnam Middle School for four years before making the decision to return to college to earn a degree in elementary, early, and special education. “Today (with Goldfish) we did counting, grouping, multiplication, division, algebra—things that they can build on. I’m hoping that it flows over into the classroom and gets them excited about mathematics there as well.”

“We do something fun and learn at the same time,” said Shreya Renearajan, a fifth-grade student at DeVaney. “I feel happy that I was picked for the program this year.”

ISU pre-service teachers enrolled in Leinenbach’s mathematics methods class serve as tutors for the program. Their involvement is totally voluntary.

“They’re giving of themselves. It’s experiential learning at its best. The more experience they can gain by teaching, the better it is for them,” said Leinenbach, who said the dream is to take the SMART Program into many more schools as time goes on.

Debbie Flurkey, on-site manager for the program, is a graduate assistant with ISU’s Project PRE (Partnering to Reform Education) and a doctoral candidate in curriculum, instruction, and media technology (elementary education specialization) at Indiana State. She says the students—both tutors and pupils—are getting much more out of the program than they originally expected.



“Many of the students (tutors) have not had many positive experiences with mathematics in their own schooling, so they were very hesitant at first. But, they’ve come out of this experience with a working knowledge of the subject, experience with mathematical manipulatives, and a **reason** for teaching mathematics,” she added.

At the end of each activity, the children are asked to write in their journals and reflect on



the question: Where was the mathematics in what we've just done?

"They need to recognize the mathematical content and procedures within each activity," Leinenbach explained. "One of the main purposes of doing the SMART Program is to have the children understand that you can actually use mathematics in an everyday, real-world application." ●



## VizRoom: Bringing Science to Life in 3-D

If a picture is worth 1,000 words, how much is a three-dimensional video worth toward children's understanding of science? Faculty and staff at Indiana State University aim to find out as they use emerging 3-D visual technology to develop VizRoom, a new interactive display for the Children's Science and Technology Museum of Terre Haute.

"Visualization is a key area in science education," said Meredith Beilfuss, assistant professor of science education at Indiana State. "This exhibit will capitalize on the relationship between Indiana State University's growing strengths in the use of visualization technology and the museum's vision of hands-on education."

While geared to the museum's primary audience of students between the ages of five and 12, VizRoom is designed to inform all ages. It will be developed to ensure compatibility with low-budget technology commonly used in smaller

museums by informal science educators, exhibit designers, and education outreach coordinators.

The Indiana Space Grant Consortium awarded Beilfuss a \$15,590 grant to develop VizRoom in conjunction with the museum staff and ISU staffers Ed Kinley, associate vice president and chief information officer at ISU, and Ken Janz, director of instructional and research technology at the University.

James Kisiel, assistant professor of science education at California State University, Long Beach, will serve as a consultant on the project. Kisiel has worked as a museum educator and evaluator at the Natural History Museum of Los Angeles County and has recently participated in a National Science Foundation-sponsored research project aimed at understanding museum visitors' conceptions of evolution. ●



**ABOVE:**

A snapshot from the Earth, sun, and moon relationships exhibit developed by ISU's Center for Instruction, Research, and Technology for the Terre Haute Children's Museum. The final three modules will each be ten minutes long, high definition (1080i), and displayed in a stereographic exhibit. Content will be specific to: Indiana lakes and streams; Earth, sun, and moon relationships; and the Solar System. Project development is made possible through the Indiana Space Grant, written to support development of scientific instructional modules to aid classroom instructional units in kindergarten-12 classrooms.





## “Would You Sign the Constitution Today?”

The American Democracy Project at Indiana State University, in conjunction with ISU’s Student Government Association, set out to discover what today’s students think about the American Constitution as part of the University’s annual Constitution Day activities.

Student leaders hung a large copy of the document outside ISU’s Hulman Memorial Student Union along with a sign asking, “Would you sign the Constitution today?”

Freshman Matt Lueken was among the first to put felt tip to the 21st century version of parchment.

“I just signed the U.S. Constitution because it’s been around for so long and we’ve never really changed it that much. I think it’s a great thing and it made America,” said Lueken, a freshman communication major from Huntingburg,

Indiana. “In high school you read about it and you only study it because you have to know it for a test. In college you need to know about it because it’s going to impact your future,” Lueken said.

The oversized copy of the Constitution was displayed intermittently outside Indiana State’s student union building through September 28, when a reading of banned books took place to celebrate freedom of speech, protected by the first amendment to the Constitution.

The American Democracy Project is an initiative of the American Association of State Colleges and Universities aimed at increasing civic engagement by college age citizens. Indiana State is among a handful of association members that piloted the project in 2003. It has since grown to include approximately 400 institutions nationwide. ●

# The Circuit: Educating Youth About Poverty

**H**ow do you teach children about the problems of poverty, hunger, and homelessness? An Indiana State University professor and his elementary education students decided the best way was to tell them the truth.

Last spring, more than 200 area seventh grade students read *The Circuit*, the autobiographical story of Francisco Jiménez, a Mexican immigrant, and his family's struggle with poverty.

The book was provided to the schools involved in the project, West Vigo Middle School and Southridge Middle School in Dubois County, through a grant from ISU's Center for Public Service and Community Engagement.

Elementary education students in the Literature and Life class taught by Stan Evans, associate professor of English at ISU, worked with the seventh graders to help them comprehend the story.

Melissa Pancake, a junior elementary education major from Washington, Indiana, presented a lesson plan—that she and two other students had created—to the seventh grade classes.

"I thought it would be neat to have the students write an alternate ending to the book," Pancake said. "One of the other ISU students wrote an alternate ending as a model, and a different ISU student read the sequel to how the author's life actually progressed."

Other students in the class created a study guide for *The Circuit's* sequel, *Break Through*. The study guide will be given to Vigo County high schools, since the book is about Jiménez's life while he was in high school.

Students also compiled an annotated resource list related to the book, which included videos,

artwork, and other books with a theme similar to *The Circuit*. The culmination of the lesson took place when the students met Dr. Jiménez, a professor of modern languages and literatures at Santa Clara University, California, as part of Human Rights Day in Terre Haute.

The seventh grade students participated in a day-long event at ISU's Cunningham Memorial



Library. Their activities included breakout sessions and a discussion with Jiménez, as well as a performance of *La Causa*, an interactive drama that includes video.

Myrna McCallister, dean of library services at Cunningham Memorial Library, and her staff spent several months working on the event and utilized videos, pictures, and other visual aids to illustrate the poverty many migrant workers face.

"We planned a day for them here in the library, which introduced them to the greater themes of poverty and homelessness, but specifically as they relate to migrant workers, particularly Hispanic migrant workers," McCallister said. ●





"We continually strive to build relationships, create networks, and forge partnerships that add value to businesses throughout Indiana, particularly in the area counties we serve"

—Tara Lane

Director, SBDC at Indiana State

# SBDC—Building Indiana Small Businesses

The West Central Indiana Small Business Development Center (SBDC) in Indiana State University's College of Business has been serving Indiana businesses for 20 years.

The SBDC is one in a network of 11 charged with building Indiana one business at a time. It helps entrepreneurs start, sustain, and grow small businesses by offering counseling, seminars, resources, and referrals, and has helped many clients turn their business plans into successful businesses.

"Through the things that I've learned and the tools that they've (SBDC) given me, I feel a lot more comfortable with myself being here by myself making decisions," said Benicia Broeker, owner of Beading Paradise. "There will be moments when I can go back and say had I not gone to the SBDC I wouldn't know what to do in that particular situation."

Potential or new business owners, even ones without a business background, can find a helping hand at SBDC through free, one-on-one sessions with business counselors to discuss individual business needs. Free and fee-based seminars are also offered to cover a variety of topics such as marketing, record keeping, and computerization.

Dorothy Gahimer, co-owner of Terre Vin Winery, said the SBDC was useful not only because of all of the information it provided, but also because of its location in the west-central Indiana area.

"It's very convenient being right in town," said Gahimer of the center, which serves six area counties, including Clay, Parke, Putnam, Sullivan, Vermillion, and Vigo. "We didn't have to go off to Indianapolis. We didn't have to go

to conferences in South Bend to learn what we needed to know. They broke down aspects of business into things like legal things we needed to know, insurance, payroll, everything like that."

That's a central part of the SBDC's mission—to provide a wealth of services and years of expertise to area business leaders and those pursuing the dream of owning their own business.

"We continually strive to build relationships, create networks, and forge partnerships that add value to businesses throughout Indiana, particularly in the area counties we serve," said Tara Lane, director of the SBDC at Indiana State.

In addition to benefiting future business owners, the SBDC provides hands-on experience to the future of business—students within ISU's College of Business. Students have the opportunity to turn book learning into real-world learning by writing business plans and creating marketing strategies, among other things. ●





## Interior Design Students Remodel the Past for the Future

When the True Gospel Tabernacle Church building was built around 1925, the founding congregation didn't have to worry about complying with the Americans with Disabilities Act, heavy electrical loads, or computer access. Current church members are now addressing these issues with the help of interior design students at Indiana State University.

Eleven students, all juniors, capped a seven-week fall semester project by offering proposals to church leaders for bringing the building into compliance with Americans with Disabilities Act codes while preserving the aesthetics of the structure. Working in teams of two or three members, the students literally looked into every nook and cranny of the building at 2200 Wabash Avenue, taking careful measurements of each room and interviewing church members and officials.

They then set to work in the interior design studio in Indiana State's Family and Consumer Sciences Building to come up with proposals for, among other things, ensuring that all members of the congregation could enter through the front door. In addition to designing a new ramped entryway for the front of the building, the students also identified mechanical, electrical, and plumbing upgrades to improve the safety, efficiency, and accessibility of the church and addressed requirements for special lighting, computers, and the selection of furniture, fixtures, and equipment.

The students not only addressed "universal design," which ensures that all persons are able to utilize all areas of a building, some teams also followed the practice of "green design," which seeks to protect the environment.

"It's earth friendly, so we wanted to re-use a lot of the same materials," said Stacy Weiss of Roselle, Illinois, who teamed with Leslie Stakeman of Riley, Indiana. "We didn't want to get rid of anything."

Weiss and Stakeman designed proposals to enhance the dark wood that is a staple throughout the interior of the church, even suggesting the medium-toned wooden floor be refinished in black.

"We really focused on the architecture of the building; the exposed beams and stained glass windows. Our designs were intended to highlight those features," Stakeman said.

Bishop Quentin D. Isabell, the church's senior pastor, complimented the professionalism with which the



Interior design student Alison Hayes presents proposals for the True Gospel Tabernacle Church as church members listen.

students approached the project.

"They were very nice and they were into what they were doing. They were very informative," he said, adding that there is "a very good possibility" the students' designs will eventually become reality. "In all of the displays

they showed, I saw something in every one of them that I liked," Isabell said.

Beyond the thrill of seeing their work put into practice, there's a practical reason for such real-world experiences, said Mary Sterling, assistant professor and coordinator of ISU's Interior Design Program.

"The more that we can incorporate experiential learning, getting out into the community, talking with people, actually having to understand real life situations, the closer and better prepared the students will be for what they actually do in real life," Sterling said. ●



Interior design student Lori Anderson of Evansville, Indiana, presents proposals for renovation to Terre Haute's True Gospel Tabernacle Church.





# Experiential Learning



# Student Artists/Professional Muralist Add Color to Terre Haute

A blast of color is catching the attention of motorists driving north on U.S. 41 near the Indiana State University campus. Those colors quickly evolved into images that have become Terre Haute's newest work of public art.

The mural, located on the south wall of the Terre Haute Boys and Girls Club, was painted by Chicago-based muralist Jeff Zimmermann and several ISU students through a Lilly Endowment grant administered by the Center for Public Service and Community Engagement.

The project was the dream of Brad Venable, assistant professor of art education at ISU.

"It started five years ago when I was a school teacher. I was looking at all the blank wall space in downtown and the community and thought 'wouldn't it be great if there was a mural or a work of public art to enliven the area,'" Venable said.

When Venable came to ISU, he revisited his idea for a public mural and contacted the Center for Public Service and Community Engagement about his idea and funding opportunities.

"At that moment, the doors fell open," Venable said.

Venable then enlisted the assistance of Nancy Nichols-Pethick, assistant professor of art at

ISU art students with Jeff Zimmermann.





ISU, to serve as project co-coordinator in order to assist with the planning, grantwriting, artist selection, coordinating student involvement, and incorporating the project into her class sessions.

Twenty-one Indiana State students in Nichols-Pethick's beginning and intermediate painting classes worked alongside Zimmermann.

Mickie Danforth, a sophomore art education and painting major, was excited about being a part of the mural project.



Nancy Nichols-Pethick (left), Chicago muralist Jeff Zimmermann (center), and Brad Venable (right) dedicate the first mural in the Gilbert Wilson Memorial Mural Project.

"I'd never worked with a professional artist of his level and I wasn't sure what to expect. But jumping into it—it's been a lot of fun and I've learned a lot about murals," she said.

Danforth helped prime the brick wall that became the artists' canvas and learned about color techniques for backgrounds and foregrounds from the professional artist, who uses the same techniques Michelangelo used when painting the Sistine Chapel.

"In art history we learn about these techniques, but to be able to be out in the field using them is inspiring," she said.

Nichols-Pethick said the opportunity has been very beneficial to ISU artists. Students are given a glimpse into what it means to be a professional artist while building confidence.

"It instills in them a sense of pride in the program, in their work, and in the Terre Haute community," she said. "The farther along we get in this project, the more excited they (students) get."

Hands-on learning and working side-by-side with a professional artist is only one benefit of this collaboration. The experience will also come in helpful for a project in the fall and in the students' future endeavors.

The fall mural, the second of three murals funded by the grant, will take artwork from local school children that Holloman and Danforth, using processes and techniques learned from the Boys and Girls Club mural, will then transpose on a wall at the children's school.

"This experience is immensely important to each of them. It's something they can list on a resume as a kind of internship experience. I think that is incredibly valuable," Venable said.

Danforth agrees. "I'm only a sophomore so I'm in the early stages of building my resume and portfolio. This is going to be a huge part of my career. Just to be able to say I worked with a professional artist will help a lot," she said.

The Terre Haute Boys and Girls Club mural is in conjunction with The Gilbert Wilson Memorial Mural project, named in honor of the late muralist from Terre Haute who created several large works of art in public buildings such as the entrance to Woodrow Wilson Middle School, Community Theater, and ISU's University Hall. Goals of the project are

to beautify the Terre Haute community, generate interest in the arts and the downtown area, and distinguish Terre Haute as an arts-friendly community.

The mural is the first of three funded by the grant. Venable said he is looking to enlist the support of a professional muralist for the final mural.

Additional support has come from the Terre Haute community in the form of donations. Thompson-Thrift donated the scaffolding while Porter Paints and MAB Paints supplied the paint used in the project. Hardee's allowed use of their parking lot. ●



Jeff Zimmermann putting the finishing touches on the mural.



Jeff Zimmermann (back center) poses with representatives of the Boys and Girls Club and the members who served as his models.



# ISU Student Intern Helps Make Hoosier History

**W**hen Shauna Stock accepted a ten-week internship with Clarian Health Partners, she learned she would be involved in a history-making project—assisting in Indiana’s first donor human milk bank.

“I never thought I would have the opportunity to have an internship like this,” Stock, a senior community health promotion major from Frankfort, Indiana, said. “To do something completely new, it’s been amazing.”

But being in on the ground floor of the project had its unique set of challenges.

“When Shauna walked through the door we had no furniture, no computers, we had nothing. She has been involved in every aspect of setting up the milk bank,” said Mary Weber, chairman of the board for Indiana Mothers’ Milk Bank.

That included everything from stripping wallpaper, selecting furniture, developing promotional and educational materials, as well as conducting research for grant writing.

Stock and the milk bank’s executive director, Mary Alexander, started work the very same day in the same surroundings.

“Shauna and I had no office yet we had to find the equipment for the office,

we had to find furniture, start writing grants, contact the IRS about our public charitable status, and get with the state about our tax-exempt status. We ended up going around Methodist Hospital to offices that were vacant at the time to make phone calls,” Alexander recalled.

Stock immediately impressed Alexander by how quickly she adapted to the situation.

“She didn’t seem to get flustered or frustrated about the situation,” Alexander said.

In the coming weeks, Alexander said, due to Stock’s presence, she was able to be in two places at once—sending Stock to represent the Milk Bank at community meetings while she finished up grants and paperwork. Alexander,



with her background in the not-for-profit sector and public health, proved to be a valuable mentor to Stock in regards to navigating the sea of paperwork and how organizations are structured.

Meanwhile, Stock's unfamiliarity with breastfeeding and milk banking provided valuable insight to both Alexander and Weber.

"The questions she brought up and the things she wanted to know are the things the general public is going to want to know," Weber said



While she was learning the ropes under the watchful eyes of Weber and Alexander, Stock was able to show them new ways to use the Internet to locate resources.

"We've learned a lot from each other," Stock said.

The Indiana Mothers' Milk Bank will collect, pasteurize, and distribute human milk from carefully screened donors. It is the first bank of its kind in the state and one of nine nationwide.

"Many mothers are unaware they have the power themselves to provide enough milk for their own baby, let alone to have more than they might need and be able to help another baby," Weber said.

While the facility will be working with hospitals statewide to promote breastfeeding, they will also conduct valuable research.

"The research on donor human milk is in its infancy. I think our state and the hospitals that work with us will be on the forefront of this new, pioneering branch of research. I think it's very exciting," Weber said.

Clarian Health Partners, based in Indianapolis, led the effort to establish the Milk Bank, which is a community-based entity that will serve infants throughout the state. The Milk Bank was launched with the assistance of the Methodist Health Foundation, which provided a start-up grant of \$200,000. ●

"I never thought I would have the opportunity to have an internship like this. To do something completely new, it's been amazing."

—Shauna Stock

ISU student intern, Indiana Mothers' Milk Bank



# Indiana State Students Study 2,000-year-old Village

**A**longside air-conditioned brick homes with multi-car garages, satellite television, and other modern amenities, some Indiana State University students spent five of the hottest weeks an Indiana summer can dish out studying a much older way of life.

From July to mid-August, students in an archaeology field class excavated a Native American village believed to be 1,500 to 2,000 years old.

Because it was the location of a village rather than a camp, the site in northern Vigo County is especially significant for researchers, said John Schwegman, archaeological project supervisor with Indiana State's Anthropology Laboratory.

"Finding an actual Native American village is kind of a rare occurrence. There might be a half dozen of them in the Wabash Valley," Schwegman said, estimating the village's population at between 25 and 50. "These people were settled down enough to have really substantial habitation areas. The artifacts we find indicate the age of the site and the kinds of activities these people were doing at the time."

Working only with hand tools—and often only their hands—students painstakingly excavated more than a half dozen pits spread across a level tract of ground about the size of a football field. A piece of 21st century technology helped show them where to look.

Using a magnetometer, a device similar to a metal detector, Schwegman and the students scanned the ground that now covers the ancient village. Whenever the magnetometer indicated slight variations in the earth's magnetic field, students knew they had found an area where the ground had been disturbed by human activity.



Derrick Lees and Jennifer Gourdouze, anthropology majors, sift for artifacts at the site of a Native American village in Vigo County.

“We excavated through the plow zone, where farmers turned up the soil with their equipment. At the bottom of the plow zone we discovered a “pit feature,” where the people dug out a big hole and threw in their garbage, or they used it as a fire pit,” said Andy Worthington of Terre Haute, Indiana. Worthington completed a master’s degree in geography at Indiana State and is now pursuing a doctorate at Purdue University. He also holds a bachelor’s degree in life sciences from Indiana State.

The students turned up several artifacts from the Middle Woodland period, including an arrowhead Worthington called “absolutely beautiful.” The arrowhead has serrated edges, which he described as somewhat atypical for the period, and remains as sharp as a razor despite being hundreds of years old. Other artifacts included a large amount of broken pottery, burnt clay and fire-cracked rock used for cooking, as well as bone fragments from deer and other animals showing the kind of diet residents of the Native American village had.

“The Archaeological Field School is an excellent example of experiential learning,” said Russell Stafford, professor of anthropology and director of ISU’s Anthropology Laboratory.

“Students participate in a significant research project that will ultimately contribute to our understanding of the prehistory of the Wabash Valley. It’s not an exercise made up for instructional purposes but an opportunity for students to gain an understanding of the field of archaeology first hand. They find that it has its rewards in finding ancient artifacts from the past but also learn that it is a lot of hard work.”

Following an “excellent degree of book learning” in which students were exposed to different cultures, the field school provided students with valuable hands-on experience, Worthington said.

“To actually come out here and galvanize the information that we’ve learned in real-world excavation, that’s the perfect amalgamation of the two types of learning. It’s wonderful,” he said. ●

Archaeology students Dustin Holmes and Matthew Lowe dig out a piece of pottery at the site of a Native American village in Vigo County.





# Dream it. Do it. Disney.

Working at Walt Disney World has been a magical experience for 27 Indiana State University students. It was a chance to gain valuable real-world experience from a Fortune 100 company that should payoff in future careers.

Melissa Ramsey, who is interested in theme parks and theme park operations, spent seven months working at the Disney Polynesian resort in merchandising as an intern with the Walt Disney World College Program.

Dietetics major Sarah Banks worked in the kitchen of the Pecos Bill restaurant, located inside Disney's Magic Kingdom.



Sarah Banks

Students interning with the Disney College Program learn skills that can be applied to a wide variety of fields, such as relationship building, customer service, dealing with diversity, problem solving, time management, and communication skills.

"There are three focuses of the Disney College Program—living, learning, and earning. I've been focusing on the learning. I go to a lot of learning sessions and I really take advantage of the extra opportunities," Ramsey said.

The senior recreation and sport management major from Tell City, Indiana, took advantage of Learning Center activities in addition to taking a hospitality management class through the Disney College Program. Six courses taught at Disney are available to ISU students. All courses

have been reviewed and recommended for credit by the American Council on Education. In addition, students can receive credit through internship, field work, or independent study courses.

Students can take two Disney courses during a five-month internship or up to four courses during a seven-month internship. Disney faculty members provide the instruction and communicate with students' professors at ISU.

Kent Phillips, who works in educator relations and new market development for the Disney College Program, said, "People get out of the program what they put into the program. If the student comes down and they want to learn a lot and do a lot, they can do that. It helps if the university is behind the student to want them to go and learn as much as they can."

The 13 Disney Learning Centers offer students computer-based tutorials, wellness activities, networking opportunities, quiet study facilities, and a wide variety of career and leadership resources, including guidance on networking and creating a resume.

Steve Smidley, assistant professor of recreation and sport management, who maintained on-going communication and visited Ramsey in February, said he was impressed by all she was able to fit in.

"The opportunities available there are numerous—the courses they provide, the meet and greets, and the number of executive

seminars that she took. She became the model for our internship experience there,” he said. “I’ll ask her how she planned all that and how she made choices.”

For Ramsey, the experience was the opportunity of a lifetime.

“It has been my dream to come and work for Disney. It’s something I’ve really enjoyed and I’m glad I finally got to do it,” she said. ●



Melissa Ramsey (left) was visited by faculty member Steve Smidley

# Living, Learning, and Earning



# Aquarium Brings Ocean Habitat to Life for Students of All Ages

**F**rom sea urchins to coral reefs, Indiana State University's Science Building now offers a sample of the deep blue sea.

A 260-gallon aquarium designed and built by a student houses a cross-section of marine life and uses electric lights and chillers to maintain a realistic replica of a marine habitat.

A private donor provided the aquarium and Brian Wrightsman of Terre Haute, Indiana, a senior geology and science education major, volunteered to set it up and become its caretaker.

"We used a lot of light to re-create sunlight and pumps to re-create ocean currents as well as keep the stability of the ocean in a captive



Geology and science education major Brian Wrightsman cleans the front of an aquarium he built in the ISU Science Building.

environment,” Wrightsman said. “We had to use heaters and chillers that would maintain the kind of chemistry you would find in the ocean.”

A Nemo look-a-like clown fish has emerged as the main attraction of the aquarium, housed in a prominent place in a main hallway of the Science Building’s first floor. But the tank has about two dozen other kinds of fish as well as a fully constructed coral reef and an assortment of snails and crabs.

The aquarium is the culmination of separate, longstanding dreams of two Indiana State faculty members: Charles Amlaner, professor and chairperson of the Department of Ecology and Organismal Biology, and Tony Rathburn, an assistant professor of geology who is known for expanding opportunities for students in landlocked Indiana to study oceanography. It is a dream that continues to evolve.

Rathburn also envisions complementing the aquarium with a vivarium with waterfalls, tropical plants, freshwater fish, and colorful frogs.

He believes the combined exhibits would benefit several ISU programs such as oceanography, paleontology, science education, biology, and even physics and chemistry. In the case of paleontology, where students examine fossils, the aquarium will help them understand how creatures may have behaved, and enable them to observe the functions of various body parts found in the fossil record.

“It’s interesting to watch some of the fish when they sleep,” Rathburn said. “Some of the fish hide in between rocks and some even change color.”

ISU’s small sampling of the deep blue sea is just a mouse click away for grade school classrooms, or anyone with a computer. Webcams showing real time images of the aquarium are on-line from approximately 7:00 a.m. to 7:00 p.m. daily at <http://www.indstate.edu/gga/aquariumstream>

The aquarium was made possible by donations and a Lilly Endowment experiential learning grant. ●





# Student Study Reveals Need for Athletic Trainers

A study by undergraduate students in Indiana State University's Athletic Training Program shows that there is job growth potential for athletic trainers in Terre Haute area schools.

The purpose of the one-year study was to determine if local universities and high schools employed the number of athletic trainers recommended by the National Athletic Trainers Association's *Recommendations and Guidelines for Appropriate Medical Coverage of Intercollegiate Athletics*, or AMCIA, during the 2004-2005 academic year.

"We wanted to do this study because athletic trainers work long hours to meet the needs of athletes, which might mean that there is a need for more athletic trainers to be employed here," said Jacob Tucker, researcher and ISU sophomore from Lawrenceville, Illinois.

The subjects of the "Appropriate Medical Coverage Recommendations in Athletic Training" study were five schools in Vigo County—an NCAA Division I school, an NCAA Division III school, and three high schools.

The students worked with the head athletic trainer or athletic director at each institution and asked them to collect the data required

for the study. Students made follow-up calls and visits; analyzed the data, performing calculations using AMCIA constants; and presented the results to the head athletic trainer at each site.



Adam Peterson, graduate student in athletic training, covers the wound of a Sycamore football player on the field. Peterson is currently an intern with the Washington Redskins NFL team.

All five of the schools in the study were found to employ fewer full-time athletic trainers than is recommended by the AMCIA document.

"By doing this study we were hoping it would raise an awareness of how much athletic coverage is available to the athletes in Vigo County," said Andrea Clifford, researcher and ISU junior from Hillsdale, Indiana. "We concluded that there seems to be good job potential for athletic trainers in Terre Haute, especially at the high schools."



Lacey Frankland (right), senior athletic training major, supervises the therapeutic exercise of a Sycamore athlete in the Athletic Training Services Clinic, housed in the Health and Human Performance Building.

Catherine Stemmans, assistant professor and director of the entry-level program in ISU's Athletic Training Department, says that although the study shows there is room for improvement, she has seen definite progress in this area in recent years.

"I've seen growth in the number of athletic trainers that have been employed, and I think that's a movement in the right direction," said Stemmans, faculty sponsor of the study, along with Jody Brucker, ISU assistant professor of athletic training. "When I came to Terre Haute eight years ago, the only athletic trainers they had in the Vigo County School Corporation were graduate students from Indiana State University. Now, there is one full-time head athletic trainer for each of the high schools, while they also continue to utilize the

services of ISU's master's degree students."

Tucker, Clifford, and Katie Oneal, a May graduate of Lawrenceville, Illinois, conducted their research as Undergraduate Fellows of the Alliance for Excellence through Engagement and Experience.

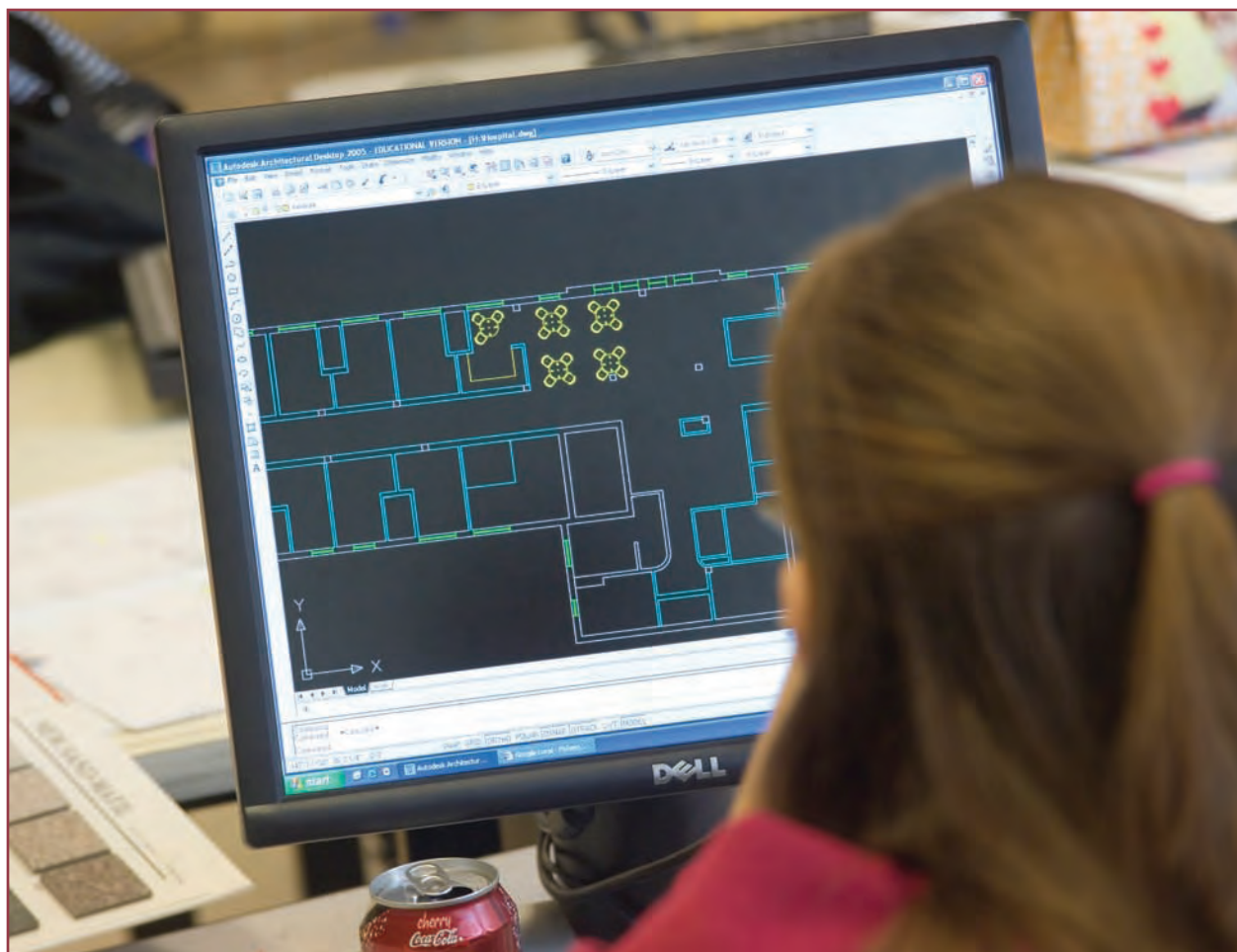
Nancy Rogers, director of the Center for Public Service and Community Engagement, said that the students' research was funded because it fits in with the implementation of ISU's "Fulfilling the Promise" strategic plan.

"We're interested in funding projects where students have opportunities to work directly with faculty, but to also have responsibility for creating something of their own," Rogers said. "Rather than students just collecting data for faculty research, we wanted them to be involved in designing and implementing a research project, and then collecting data and analyzing the results." ●

Erick Butrago, women's soccer athletic trainer, helps a Sycamore soccer player stretch out on the field. The Athletic Training Department provides all of the certified athletic trainers for ISU's Division I athletics program, as well as athletic training support to high schools throughout the region.







## Interior Design Students Propose Hospital Renovations

Some interior design students at Indiana State University took their final examination last fall at a southern Indiana hospital.

A dozen seniors in the professional program spent several months working on plans for renovating the rehabilitation center at Good Samaritan Hospital in Vincennes, Indiana. At semester's end, the students presented a series of options to hospital officials.

"Students at each level of the four-year program tackle a different aspect of interior design each year and this year's topic for seniors is health care," said Juan Jurado, assistant professor of interior design in Indiana State's Department of Family and Consumer Sciences.

"This is a good opportunity to get the students and our program involved with the community," said Jurado, a Vincennes resident. "They are trying to apply everything they have been learning until now in the classroom."

After working earlier in their college careers on projects involving residential, commercial, and office settings, the foray into health care design is both challenging and rewarding for the students, he said.

“It’s a lot harder. Everything has to be fire-rated and all the codes and regulations have to be followed. But I like that they’re actually considering using our project. That’s always an interesting experience,” said student Megan Horney of Jasper, Indiana.

As with any real-world project, the student designers also had to ensure that their proposals would comply with budget limitations set by the client.

“It’s a real life project and they’re really going to chose one of our designs. That’s what I really like about interior design. It’s a different sort of major. You really are affecting people’s lives so these real life projects are a great experience,” said Lindsey Landry of Mitchell, Indiana.

Students divided into six teams of two members each to address various aspects of the project. Horney and team worked on the general concept of a therapeutic environment within the 12,000-square-foot confines of available space.

“We’re integrating water and soothing, calming colors—a lot of natural elements. We have a water wall and we’re using a lot of geometric elements and window boxes through the corridors,” Landry said.

The design also incorporates square columns arranged in a curve to represent a wall, but with spaces between the columns to make efficient use of available space.

“We’d like it to look as much like a home environment as possible. In the rehabilitation unit, our patients are with us for a longer period of time so we really don’t want it to look like a hospital. We want something homey and warm—a good place to bring family members and friends so they can focus on their therapy and get home,” said Karen Cotner, the rehabilitation center director.



Juan Jurado, assistant professor of interior design, discusses the Good Samaritan Hospital project with a student.

“The students were great. They were very enthusiastic and very professional when they were on the unit talking with patients and staff and while communicating with me via e-mail and phone calls. It’s been a really good experience,” Cotner said. ●



# History Students Bring WW II and the Holocaust to Life

John Laska of Terre Haute helped liberate Dora-Mittlebau concentration camp in Germany during World War II as a member of the U.S. Army's 104th Infantry Division, nicknamed "The Timberwolves."



Anne Foster's History 300 class displays the results of their World War II and Holocaust research for the public. They compiled oral histories of local veterans, POWs, and Holocaust survivors.

Laska's moving story of entering the camp after the German soldiers retreated, and finding hundreds of emaciated and ill prisoners left behind, and thousands of human remains, might have been lost forever, if not for a college history professor and her students.

Laska and other World War II veterans and Holocaust survivors from the Wabash Valley

were interviewed by students in assistant professor of history Anne Foster's History 300 class.

The videotaped interviews which resulted have been donated to the CANDLES Holocaust Museum in Terre Haute, to help restore some of the historical content which was destroyed in an arson fire at the museum.

Foster says she drove past the burned down CANDLES Holocaust Museum every morning on her way to work in Terre Haute. For a year, she thought about a way that the ISU Department of History could help the museum rebuild—not by replacing the bricks on the outside, but by recreating what was lost on the inside.

"What I thought would be the best thing," Foster said, "was to begin to capture the stories that I know are told inside that museum everyday in a permanent way."

Foster says her History 300 class, where students learn different methods of researching and documenting history, was a perfect match for an oral history project.

"We wanted to undergo this project like a real historian would do a project," Foster said, "and the way to do that is to do something local so that they can really get involved in primary research, into documents, into interviews, and that kind of thing. It's an effort to bring history really alive for them."

Students were paired up with Holocaust survivors and World War II veterans from the Wabash Valley who volunteer at the CANDLES Museum, telling their stories.

Juanita Carothers, an ISU sophomore political science major and history minor from Indianapolis, Indiana, said she was awed by Laska's retelling of the stench and horrors of the Dora-Mittlebau camp, an account which she and her team captured on videotape.

"It almost felt unreal," Carothers said, "because I was actually listening to someone who actually had been there and seen it instead of just reading about it. I was kind of like in awe, like in amazement, you know, to actually see somebody and then to see the pain as he was telling about it."

Carothers' teammate, Matthew Goller of Indianapolis, Indiana, interviewed Laska and recorded this statement of Laska's for the

team's completed oral history project. "You look through the fence. . . and as far as you could see, there were mounds of bodies, just piled up, like you were raking leaves."

With the help of a Focus Indiana grant from the Lilly Endowment, Carothers and eight other students traveled with Foster to Washington, D.C., to conduct further research on their subjects at the United States Holocaust Memorial Museum and The National Archives.

Kiel Majewski, recent ISU graduate in history, created an exhibit at the CANDLES Museum, utilizing the students' projects, so these personal histories are preserved and made available to the general public. ●

Kiel Majewski (right), recent ISU graduate in history, explains to Eva Kor, founder of the CANDLES Holocaust Museum, how he is going to put together the museum's new exhibit which highlights the stories of local residents with a connection to the Holocaust, collected by Anne Foster's History 300 class.





# Students Study Effects of Hurricanes

**T**ornadoes are the heartland's storms. But the path of destruction left by Midwestern cyclones is much different than that of a hurricane. Trees in the path of a tornado are often literally blown to smithereens, making it difficult to do a good post-mortem examination of a maple, elm, or poplar. Lacking the churning motion of a twister, the straight-on winds of a hurricane—



Hurricane-ravaged trees near Beaumont, Texas. The research team observed the most damage from Hurricane Rita at this site in Turkey Creek State Park with about 80 percent canopy damage.

while no less devastating to life and property—often just blow down the live oaks and cypresses common to the Gulf Coast.

So when students in the Dendrochronology Laboratory at Indiana State University were invited to Texas, they jumped at the chance—and it wasn't even spring break on Padre Island.

Their destinations were the Big Thicket National Preserve and Angelina National Forest near Beaumont, Texas. Packing chain saws instead of swimwear, students under the direction of James H. Speer, assistant professor

of geography and geology, headed south just before winter break and brought back a few things to work on during the spring semester—cross sections of Texas trees whose lives were cut short by Hurricane Rita.

Dendrochronology is the study of climate changes and past events by comparing the successive annual growth rings of trees or old timber. Speer and his students hoped to document several centuries of climate change along the Texas Gulf Coast, but what they found was surprising.

“Most of the area was actually cut over in the early 1900s from logging, so a lot of the trees are around 100 years old. Some that we are finding are likely to go back to the 1800s and some past studies have actually found some trees as old as the 1700s, but those are kind of unique cases where the trees were left behind by the loggers,” Speer said.

One of the biggest surprises was when researchers checked out the fallen Compton Oak, which was believed to be up to 270 years old. It turned out that the Beaumont landmark was only about 80 years old. The tree's massive girth had leant credence to the widely held belief that it had been around since before Jim Bowie and Davy Crockett fought at the Alamo. But its rings didn't lie.

“Live oaks are unique because they keep leaves on throughout the year. It's so warm down there that the trees can grow rather quickly. We have some rings that are about an inch wide so it's an extremely fast rate of growth,” Speer said.

“The growth that's put on by the trees in the first 20 years is astounding. I have never seen







trees that have put on that much growth in that short a period of time,” added Chris Gentry of Jeffersonville, Indiana, who is pursuing a doctorate in geography. “People think that the biggest tree they have is the oldest tree that they have. In reality, environmental factors play a major role in how big the trees can get and how fast they grow.”

And given the recent increase in major hurricanes, 100 or so years’ worth of tree rings just may shed some light on the cycle of hurricanes.

“The intensity of hurricanes now is based on a cycle of 20 to 30 years,” said senior geography

major Brian Cox of Speedway, Indiana, who is pursuing a minor in climatology and geology and has previously worked in Indiana State’s Climatology Laboratory. “This study could help indicate just what type of hurricane season we may have coming up. As you know, we had a record number of hurricanes last year and we are predicting the same, or maybe more, next year.

“I had just taken a dendrochronology course and this project gave me a better understanding of dendrochronology. It also gave me an idea of how Hurricane Rita affected the Gulf States.”

The study complements another Indiana State student’s ongoing master’s thesis.



In their study of the fallen trees’ rings, the students found that the Compton Oak, a Beaumont landmark, which was believed to be up to 270 years old, turned out to be only about 80 years old. Its rings don’t lie.



Jodie Farrell-Sparks' thesis focuses on small gaps in the tree canopies of forests in the Wabash River Valley.

"Having the chance to go down to Texas to look at the damage from hurricanes, which cause large-scale disturbances and canopy openings, was an educational experience," said Farrell-Sparks of Marshall, Illinois. "It gives me a chance to compare the diversity of the growth there and how many trees had fallen compared with single-tree canopy gaps in Vigo County." Farrell-Sparks hopes information gathered from the Texas project can be used to help determine how best to manage old growth forests elsewhere, including two sites in the Terre Haute area that she is studying.



Darin Kelly (left), a graduate student in the geography Program, and Josh Frizzell, a graduate student in geology, extract core samples from a likely candidate in the devastated forest preserve.

Land use has a great effect on how much damage hurricanes and other natural disasters cause, Speer said.

"If you have a rough surface that has a lot of trees on it, the hurricane can lose a lot of energy," he said. "So just clearing trees for agriculture and industry opens up a large area where the wind can pick up a lot of speed and do a lot of damage. That's mainly where we saw a lot of the damage from Hurricane Rita."

The research is funded by the ISU Department of Geography, Geology, and Anthropology and the Center for Urban and Environmental Change. ●



Students of James H. Speer hoped to document several centuries of climate change along the Texas Gulf Coast during their spring break research trip to Big Thicket National Preserve and Angelina National Forest near Beaumont.

Collaborating with Speer and ISU students are faculty from Rice University, Texas A&M University, and Tomball College.







Twenty-six students and faculty members have been awarded fellowships from the Alliance for Excellence through Engagement and Experiential Learning to further Indiana State University's commitment to experiential learning and community engagement.

The Alliance for Excellence through Engagement and Experiential Learning is an initiative directed by Dr. Joseph Tenerelli, professor of communication, through the Office of the Provost and Vice President of Academic Affairs and the Center for Public Service and Community Engagement and supported through a grant from the Lilly Endowment. The purpose of the Alliance is to attract and retain engaged students and faculty; develop high quality experiential learning opportunities across the curriculum; support the University's efforts to work with the community on important projects for the state and region; and build faculty excellence in the scholarship of teaching and engagement.

# Alliance Fellowships

## Community Research Graduate Fellowships

**F**our graduate assistantships were awarded to students to work closely with faculty to complete community-based projects or to co-author publications or research presentations. Recipients received an \$11,250 stipend plus a tuition waiver.

[Juli Buchanan](#), a psychology student, worked with the Healthy Hearts Program, which established a partnership with a local hospital to provide educational programs to patients with cardiovascular disease. Buchanan worked under the direction of Kymberly Bennett, assistant professor of psychology.

[Trevor Ramsey](#), political science, compiled information for *An Empirical Study of Indiana Nonprofits*, which surveyed a random sample of nonprofit organizations in the state for data to further research how nonprofits secure funding in tight economic situations. His work was conducted under the direction of Kimberly Fredericks, assistant professor of political science and public administration.

[Kristopher Klein](#), Center for Research, Enterprise, and Economic Development, Workforce and Economic Applications, worked with participating communities' economic development boards and workforce investment

boards to glean essential economic information critical to site selection. This economic information will be entered into a database and an assessment generated. Klein's research was conducted under the direction of staff member Jim Paxton.

[Trevor Fuller](#), geography, geology, and anthropology, gathered data for the research project *Using GIS to Investigate Uneven Development in Terre Haute's Urban Enterprise Zone*, which developed a community information system (CIS) that focused on the policy and planning needs of the Terre Haute Urban Enterprise Association. This research was done under the direction of faculty member Jay Gatrell, associate professor of geography, geology, and anthropology, and interim associate dean of the College of Arts and Sciences. ●



# Community Research Undergraduate Fellowships

**F**ifteen undergraduate students were awarded fellowships, worth \$5,000 each, to participate in faculty-directed projects, research, or community-based service and outreach experiences. Fellows were selected on academic achievement and community leadership.

**Somayeh Semati**, ecology and organismal biology, developed mathematical models to predict the effects of global warming on ecological communities under the direction of faculty members Michael Angiletta and William Mitchell, associate professors of ecology and organismal biology.

**Adam Thompson**, industrial and mechanical technology, studied the application of industrial engineering methods such as lean manufacturing concepts in organizing a manufacturing work cell. His work was completed under the direction of Affan Badar, assistant professor, and Ming Zhou, professor and interim chairperson of industrial and mechanical technology.

**Halee F. Cork**, insurance and risk management, conducted statistical analysis and survey research in order to aid the city of Terre Haute in reviewing alternatives to the current waste water treatment program. Cork's work was under the direction of faculty member Mary Ann Boose, professor and coordinator of insurance and risk management, and staff member Kevin Snider, executive assistant to the president.

**Kaitlyn Belcher**, mathematics and computer science, helped develop a Mathematics Teacher Resource Library where local teachers and students can check out materials to use in their

classrooms to improve mathematics education in Vigo and surrounding counties. Her work was under the direction of faculty members Elizabeth Brown, assistant professor, and Robert Jajcay, professor of mathematics and computer science.

**Rachael R. Chase**, chemistry, worked with Richard Fitch, assistant professor of chemistry, to identify and isolate bioactive components of plant materials, and characterize the compounds.

**Petra Hendrickson**, political science, examined the impact of citizen access procedures on state environmental regulation under the direction of Andrea McAtee, assistant professor, and James Scott, chairperson and professor of political science.



**Jessica Adamic**, geology, geography, and anthropology, working with Anthony Rathburn, assistant professor of geography, geology, and anthropology, developed processes to generate a new understanding of the biogeochemistry and ecology of the polluted sediments of the Venice Lagoon in Italy.

**Jared Kluesner**, geology, geography, and anthropology, assessed the seafloor ecology of an unexplored area off the coast of the Aleutian Island Chain of Alaska. His work was under the direction of Anthony Rathburn, assistant professor of geography, geology, and anthropology.

**Andrea Clifford**, **Katie O'Neal**, and **Jacob Tucker**, athletic training, conducted research specifically focused on athletic training students'

professional development and responsibility (e.g. medical ethics, current professional recommendations) during clinical engagement experiences. Supervising faculty member was Catherine Stemmans, associate professor of athletic training.

**Allison May**, Career Center, served as a research assistant to Mark Frederick, assistant director of the Career Center, in the College Lifespan Career Development Program.

**Lauren Crist**, geology, geography, and anthropology, assisted the Children's Science and Technology Museum of Terre Haute, Inc in a variety of projects. Her projects were under the direction of Greg Bierly, associate professor of geography, geology, and anthropology and director of University Honors Program.

**Charity Pence**, psychology, worked with Virgin Sheets, chairperson and professor of psychology, to assist with data organization and entry for obesity research.

**Ritchie Hand**, information technology, compiled research for a project on Assisting with Computing/User Consulting Assisting with Equipment Repair Services, Assisting with Technology Infrastructure Services. Hand worked under the direction of Ken Jantz, director of the Center for Instruction, Research, and Technology, and Yancy Phillips, director of user services in the Office of Information Technology. ●





# Grant Gives ISU Student Opportunity for International Research

**R**ecent Indiana State University graduate Jared Kluesner has come a long way from the days when childhood curiosity led him to examine individual rocks he found at his dad's construction sites.

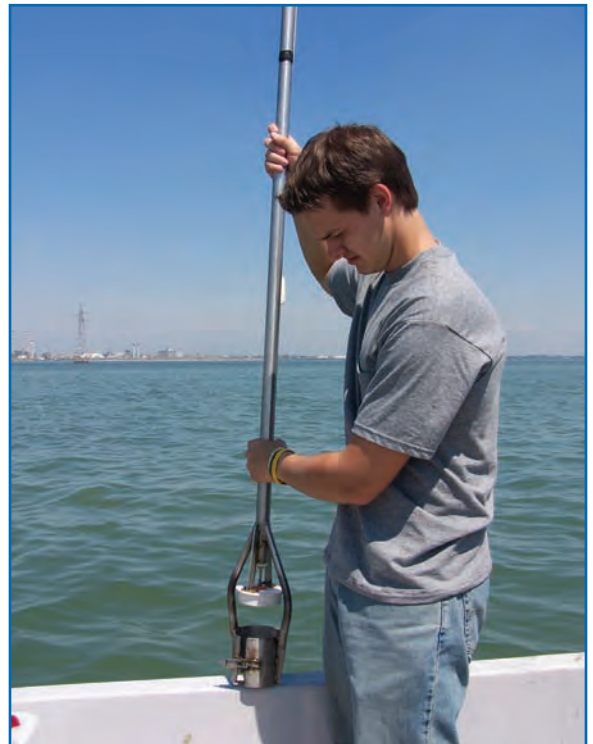
After deciding two years ago to major in geology, Kluesner has taken part in four significant research projects while studying at Indiana State, at least two of which involved international teams of scientists.

That research has taken Kluesner to Venice, Italy for a study of the effects of sediment on that Italian city's lagoons, and to the Pacific Ocean twice, including an October expedition off the Mexican coast that solved a 45-year-old geologic mystery. Kluesner was also involved in research into the origins of a long ago tsunami in the Gulf of Alaska.

Along the way, Kluesner has reported on his research at the Geological Society of America National Conference in Salt Lake City, Utah, and at the Argonne National Laboratory in suburban Chicago, Illinois.

Originally a computer science major when he transferred to Indiana State after completing an associate's degree at Vincennes University, Kluesner switched majors and caught the research bug after taking a class from Tony Rathburn, assistant professor of geology and director of Indiana States Paleontology and Paleoceanography Laboratories.

"It's unexplainable the experiences I've been able to have. I never thought it possible that within six months I'd be going on a research cruise in San Diego [California] and the following



Aboard a research boat in Venice, Italy, senior geology major Jared Kluesner prepares a hand-held coring device for testing.

summer end up in Venice, Italy, taking my own samples for my own research. It's quite amazing," Kluesner said, noting that his former major actually complements his new one.

"After I switched my major, I do more computer science-type work involving my research than I ever had before, so they really are going hand-in-hand," he said.

Rathburn, who came to ISU in 2001, continues to serve as a research associate scientist with Scripps Institution of Oceanography. Through his experiences with Scripps and his continued involvement with the famed institution based at the University of California, San Diego, he has introduced several students from landlocked

Indiana to the field of oceanography. Scripps has played a role in all of Kluesner's research.

Both Rathburn and Kluesner took part in last summer's Venice expedition and continue to work with scientists from Italy and the United States on a two-year, project with the Scripps Institution of Oceanography SEDiment research group (SIOSED) in conjunction with the Venice Water Authority, Consorzio Venezia Nuova, and Thetis SPA. The project is associated with the effort by the Italian government to safeguard Venice and its lagoon, the coastal wetland that surrounds the city and links directly with the Adriatic Sea.

The SIOSED project will assess the geochemical, physical, microbial, toxicological, and ecological processes involved in sediment movement and their effects in such a sensitive ecosystem.

ISU student Jared Kluesner (left) and Tony Rathburn, assistant professor of geology, process a sediment core sample in a laboratory at Thetis Spa in Venice, Italy.



Venice's lagoon channels must be dredged annually. Rathburn and Kluesner are examining the effects of the dredging of sediment on foraminifera, tiny shelled marine animals that are particularly sensitive to environmental changes.

As part of its continued commitment to active, engaged learning, Indiana State awarded

Kluesner a Lilly Endowment Undergraduate Research Fellowship to enable him to participate in the Venice project.

"It's a wonderful experience to be able to go out and take the samples, bring them back and do the research, and then present that research at a conference. You're more confident when you present your research if you're the one who was able to collect and process the samples," Kluesner said.

"The Venice project is a unique opportunity for me, as well as the students," Rathburn added. "We're able to work with a large team of biologists and chemists and oceanographic modelers. That combination enhances our ability to be able to make measurements and be able to correlate what we find with some of the other organisms and some of the other parameters in the lagoon."

A few short months after returning from Venice, Kluesner joined fellow ISU student Chandranath Basak in a six-day Scripps cruise and was aboard the research ship R/V Roger Revelle when a team of American and Mexican geologists hauled in volcanic rocks containing high pressure gas bubbles that exploded when exposed to the air.

"I was on one of the tag lines with one of the ropes when we brought the dredge up," Kluesner said. "As soon as it came up you could hear it start popping like popcorn and everyone started cheering."

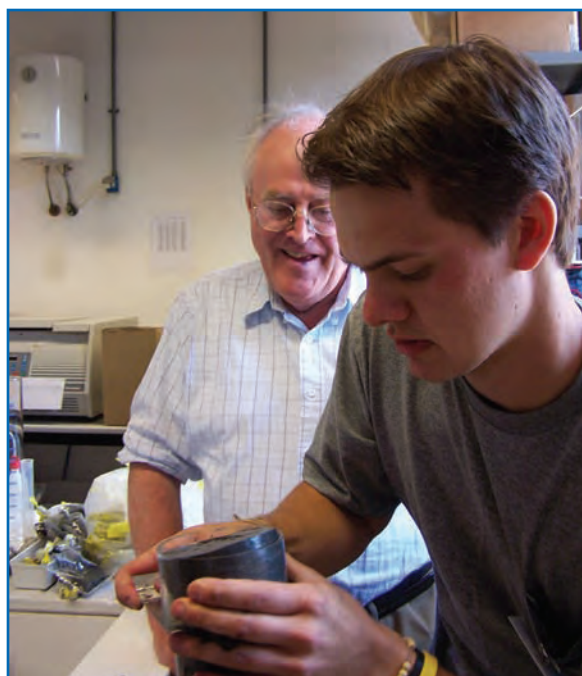
The site off the coast of Baja, California, 200 miles south of San Diego where researchers found the so-called "popping rocks," had been explored in 1960, but its precise location was unknown until the October cruise in which Kluesner and Basak participated. A 1984 attempt to locate the ridge where the rocks were found proved unsuccessful, largely because navigational equipment available then was not as accurate as that in use today.



Scripps scientists say further analysis of the rocks will provide important information about the composition and origin of the mantle beneath the oceanic crust.

The cruise in which the “popping rocks” were discovered was the second for Kluesner involving the Pacific. His first oceanographic expedition was an University of San Diego student research cruise on the Scripps research vessel R/V Robert Gordon Sproul in the fall of 2004.

That same year, Rathburn served as chief scientist on a National Oceanic and Atmospheric Administration-sponsored expedition with SIO scientists in the Gulf of Alaska that examined the origins of a 1946 tsunami. While Kluesner did not join Rathburn, four Indiana State students and a post-doctoral researcher on that cruise, he was involved in the subsequent research into previously undiscovered methane seeps and deep sea coral habitat the expedition discovered.



Geochemist Joris Gieskes of Scripps Institution of Oceanography looks on as ISU student Jared Kluesner samples Venice Lagoon sediments in the Thetis laboratory in Venice, Italy.

Kluesner's parents, Tony and Donna Kluesner, endorsed their son's decision to switch majors after completing three years of college, even though it meant taking several additional classes.

“I'd never quite seen the passion that he had when he talked about geology and that this was something he really thought he'd enjoy, especially working in the lab and doing research. Because of that, we said OK,” said Donna Kluesner.

“We're very impressed with ISU's ability to send him on these experiences. He's more organized and results-oriented since he's been in this program,” she said.

Indiana State, Scripps, and Rathburn may have awakened a penchant for research that began in Kluesner's childhood.

“I'm a builder and you always have gravel piles around the job,” said Tony Kluesner. “I can remember Jared going out through the pea gravel pile and picking up rocks and looking at them. I guess back then there was a sign that things could happen down the road.” ●

# Faculty Fellows Program

**F**aculty Fellow awards are designed to support excellence in experiential learning and community engagement among ISU faculty members. Six faculty were awarded fellowships averaging \$5,000 for the faculty member and \$5,000 for their department.

Fellows serve as advocates for excellence in experiential learning and provide resources for those wanting to improve experiential learning and community engagement. Fellows are also expected to participate in meetings and coordinate University-wide support of experiential learning and community engagement.

**Kathryn Bauserman**, assistant professor of elementary, early, and special education, received funds for her Community Reads Project, designed to provide elementary education majors with the opportunity to organize and oversee a literacy program in local elementary schools.

**Al Finch's**, professor of physical education, project on "Community Biomechanical Analysis Services" plans to provide biomedical sports analysis services to ISU athletic teams, as well as surrounding colleges and high schools.

**Christopher Olsen**, chairperson and associate professor, and Anne Foster, assistant professor of history, developed and supervised internships in public history and oral histories of the Wabash Valley, which integrated an internship class and a history and historians class and identified external funding opportunities for an oral history project or center.

**Art Sherwood**, assistant professor of management in the Organizational Department, received funding for his project "Leadership Development Through Strategic

Planning," which identified best practices for strategic action planning for the Wabash Valley United Way and associated agencies.

**James Smallwood**, professor and chairperson of manufacturing and construction technology, conducted research for a project titled "Partnering to Achieve Manufacturing Excellence." The project's purpose is to get ISU students involved in the planning and coordination of the Explorer Program as well as provide research opportunities to students.

**Qihao Weng**, associate professor of geography, geology, and anthropology and director of the Center for Urban Environmental Change, conducted research on "Assessing Urban Quality of Life in the Wabash Valley Using GIS and Remote Sensing Technology." Weng's research involved a case study being conducted by ISU students in Terre Haute and in other communities using GIS applications. ●





Professor John Ozmun and graduate student Lee Robbins monitor a young subject, with the help of a portable metabolic unit, as he carries weighted cardboard blocks during their research study. The study attracted the interest of news outlets around the world, and was even mentioned in the syndicated comic strip "Sylvia."

# Research

# Weighted Toys May Benefit Children's Fitness

**A**dding weight to toys may serve as a way to improve children's fitness, according to research at Indiana State University.

Dr. John Ozmun, professor of physical education and interim associate dean of the College of Health and Human Performance, and graduate student Lee Robbins conducted the study with seven- and eight-year-old children, who carried three-pound weighted and unweighted cardboard blocks while wearing a portable metabolic unit that measured physiological characteristics.

"We conducted the research project to find out if you changed the weight of a toy, would there be an effect on certain fitness-related characteristics," said Ozmun. "Our results showed that the extra weight in the blocks could be used to help improve children's fitness."

All of the factors studied—energy expenditure, heart rate, respiration, and muscle activity—showed improvement with the weighted blocks, he said.

"What we found was that the children did burn more calories when they carried the weighted blocks," Ozmun said. "Their respiration and heart rates were higher, as well."

Ozmun and Robbins presented results from the study at the Centers for Disease Control International Congress on Physical Activity and Public Health in Atlanta, Georgia. Robbins presented additional findings related to the study at the Annual Meeting of American College of Sports Medicine in Denver, Colorado.

"Our study should be viewed as a spring board to further research," said Robbins, who

graduated with a master's degree in physical education in May. "Our conclusions are based on measuring just a few children, and further research with young children is needed."

Further research could include using these weighted toys with children who are overweight or obese, the researchers said.

"We have this major obesity epidemic in our country, and we are seeing risk factors in the preschool-age population," Ozmun said. "Although these weighted toys are not the only answer to this major health issue, they may serve as a small puzzle piece that could make a positive contribution."

Children with disabilities or strength deficits also might benefit from further research with weighted toys, he said.

"There's the possibility of using these weighted toys in a pediatric physical therapy or a pediatric occupational therapy clinic for a child who has a disability such as cerebral palsy or Down syndrome," Ozmun said. "Children with these conditions tend to have muscular strength deficits. Weighted toys might serve as a tool that could help a physical therapist or an occupational therapist with their therapeutic approaches."

News outlets, from Hawaii to Washington, from London to Russia and China, were intrigued by the unique concept and picked up the story about the weighted toys research. As a result, ISU's research was featured in more than 250 newspapers including the *New York Times* and the *Los Angeles Times*, radio and TV stations, and Internet news sites around the world, including *NPR Morning Edition*, CNN, and the *Paul Harvey Show*. ●



# Wabash Valley Visions and Voices Receives State Library Award

**W**abash Valley Visions and Voices, an innovative digital memory project spearheaded by Indiana State University, has been recognized with the Indiana Library Federation's 2006 Collaboration Award.

The award recognizes a corporation, organization, individual library, or group of libraries that have made a significant contribution in promoting library services in a community, region, or on a statewide level.

Wabash Valley Visions and Voices, established in April 2004 and publicly unveiled in October 2005, is dedicated to the documentation and preservation of the rich history of west-central Indiana. The digital collection, currently housing 21,000 items, contains artifacts, administrative and personal papers, manuscripts, photographs, yearbooks, maps, texts, oral histories, and other audio and video files.

A collaborative effort involving the Wabash Valley's libraries, museums, cultural organizations, and community groups, the region's history can be accessed via the Internet at <http://visions.indstate.edu>.

Founding partners of this project include Billie Creek Village (Rockville), Clabber Girl Museum (Terre Haute), Clinton Public Library (Clinton), Eugene V. Debs Museum (Terre Haute), ISU Archives, ISU Communications and Marketing, ISU Cunningham Memorial Library, Knox County Public Library (Vincennes), the Native American Museum (Terre Haute), Rose-Hulman Institute of Technology, Saint Mary-of-the-Woods College, the Sisters of Providence (Saint Mary-of-the-Woods), Sullivan County Historical Society



(Sullivan), Sullivan County Public Library (Sullivan), Vigo County Historical Society (Terre Haute), and the Vigo County Public Library (Terre Haute). In addition, community collections that incorporate material contributed by individuals are available.

Myrna McCallister, dean of ISU's Cunningham Memorial Library, said, "Although the ISU Library provides the resources and staff, this project would not be possible without the resources provided by each partner. I believe that this project is a wonderful example of cooperation among local cultural institutions."

One of the most recent partners to join the project is the City of Terre Haute. "I think that it is our time and place to create memories for young people," said Mayor Kevin Burke

The "Visions Project" is based at the ISU Library, which provides the collection management software, the server space, and specialized staff members who assist in the digitization of material and who create the descriptive information.

Karen Walker, director of the Clinton Public Library said, “The opportunity to partner with the ISU Library means that our small library is able, at minimal expense, to preserve an unique collection of local resources and make them available to students of Indiana history. In so doing, we are promoting our library’s collection as well as the rich history of the Clinton community.”

The project also serves as a Resource Partner for Indiana Humanities Council’s smartDESKTOP Initiative, to provide digital assets in support of kindergarten-12 instruction.

The Vigo County Historical Society Museum, recognized for its History Living Program, which it presents to all third, fourth, and fifth grade students in Vigo County, is one of the project’s most active partners and is enthusiastic about its participation.

“Visions and Voices allows us to further our mission by sharing the rich history of Vigo County with a greater audience. The collaboration with the Indiana Humanities Council through its outreach program for teachers and students ensures all of us an even wider exposure for this vast collection of information and images,” said Marylee Hagan, executive director of the Museum.

Cinda May, project coordinator for Wabash Valley Visions and Voices, received a 2006 Indiana Library Services and Technology digitization grant to document the lives and experiences of west-central Indiana coal miners, their families, and their communities.

*O Miners Awake: Indiana Coal Miners, Their Families, and Their Communities* will document and preserve, in digital format, photographs, oral histories, documents, and artifacts. The project is expected to take three to five years to complete.

Participants in the grant-funded project include the ISU Library, ISU Folklore Archives,

the Clinton Public Library, the Coal Town Museum, the Dugger Coal Museum, the Sullivan County Public Library, and the Vigo County Historical Society. The Sisters of Providence at Saint Mary-of-the-Woods, owners of the St. Mary’s Coal Mine, which the congregation operated from 1894-1954, will contribute material to the project.

Over 1,200 photographs, manuscripts, printed documents and texts, artifacts, film footage, and oral histories will be digitized and made accessible through a searchable Indiana coal mining heritage web site as well as the Wabash Valley Visions and Voices Digital Memory Project, located at <http://visions.indstate.edu>. ●







## ISU Research Aims to Help Indianapolis, Other Major Cities Beat the Heat

**R**esearchers at Indiana State University are using a case study in Indianapolis to help urban planners around the world determine the best ways to address the phenomenon of urban heat islands, in which cities remain warmer than the surrounding countryside, driving up energy costs for air conditioning and adding to pollution.

A grant from the National Science Foundation will allow the University's Center for Urban and Environmental Change to use satellite images and remote sensing to map surface temperatures throughout the city and even pinpoint

temperature differences for individual buildings. Researchers will then examine the impact on temperatures from the use of heat absorbing construction materials and the loss of natural vegetation and water as a result of development. They will also look into the role the planting and spacing of trees plays in reducing the effects of heat retention.

Procedures developed in the Indianapolis study will result in methods that can be applied to other cities worldwide, said Qihao Weng, associate professor of geography at Indiana State and the center's director.

“Knowledge of the surface energy budget and urban heat islands is significant to a range of issues and themes in earth sciences central to urban climatology, global environmental change, and human-environment interactions, and is also important for planning and management practices,” Weng said.

The research will also provide real-world educational experience for graduate and undergraduate students at Indiana State and result in an unique science education program for middle and high school students. Materials made available on the Internet will also help educate the public.

“Urban heat greatly impacts the health and quality of life of people living in cities. This effort will have very practical application to local government in our building codes and our planning for green spaces,” said Jim Stout, program manager of the Indianapolis Mapping and Geographic Infrastructure System.

“This research is exciting given the new information and educational materials that may result,” said Don Miller, land steward coordinator with Indy Parks and Recreation. “Dr. Weng’s research will hopefully become available to city planners who must take into account the complicated interactions between urban land cover and natural surfaces in reducing effects of heat.”

While it may be easy for suburban homeowners to decide just where to plant a tree in their back yard, the decision is more complicated in an urban setting, Miller said.

“If a project involves planting 300 trees in a city block that has buildings, parking lots, sidewalks, and gardens, planners must decide the most beneficial location for the trees,” he said.

“Although the obvious answer might be to plant the trees along parking areas where heat is easily absorbed, there are more complex variables. The data generated could prove very helpful to urban forest managers as practices are improved based on new science.” ●



A team of ISU doctoral students, led by Qihao Weng, associate professor of geography and director of the Center for Urban and Environmental Change, takes to the streets of downtown Indianapolis as part of their research into the effects of the urban heat island phenomenon.



Qihao Weng, (left) associate professor of geography and director of the Center for Urban and Environmental Change, looks on as doctoral students Umamaheshwaran Rajasekar, Hua Liu, and Xuefei Hu record observations at a site near Indianapolis' White River State Park.



# Sleep Research by ISU Scientists Awakens Media Interest

**S**leep researchers at Indiana State University attracted international attention in the late 1990s with a study that found some birds can put half their brain to sleep while keeping the other half alert to watch for predators.



Doctoral student John Lesku studies the sleeping practices of iguanas in the Sleep Research Laboratory in ISU's Department of Ecology and Organismal Biology.

Those same researchers are again the focus of attention with a paper summarizing decades of sleep research, at Indiana State and elsewhere, in the international research journal *Animal Behaviour* and featured in the "Science Times" section of the *New York Times*.

"Sleep renders an animal more vulnerable to predatory attack than just about any other behavior. However, sleeping animals are not helplessly turned off, and certain states of sleep and ways to sleep are safer than others," the researchers state in the paper's conclusion.

Following earlier studies involving pigeons, ducks, and other birds, faculty and students have trained the 16 cameras in the Indiana State

Sleep Research Laboratory on reptiles and found the practice, known as uni-hemispheric sleep, is not limited to animals with feathers.

"We do think that across the animal world this is a very typical sort of thing. They all have to deal with this in one way or another, either sleeping in a very safe place so they can sleep very deeply, or if they can't sleep in a safe place they're going to have to sleep less deeply, perhaps, and monitor the environment to some extent while they're sleeping," said Steven Lima, professor of ecology and organismal biology and lead author of the paper.

John Lesku, a doctoral student at Indiana State, has begun studies of iguanas and initial indications are that the reptiles are capable of putting only half their brain to sleep.



Doctoral student John Lesku (front) and Steven Lima, professor of ecology and organismal biology, use video monitors to study the sleeping habits of iguanas.

"Iguanas have sort of the same evolutionary strategy as birds for maintaining some measure of vigilance concurrent with sleep," Lesku said.

“Iguanas and other reptiles have all been seen for extended periods of time sitting with one eye open and one eye closed and this behavior, a very visual correlate of uni-hemispheric one-eyed sleep in birds and aquatic mammals, should also apply to reptiles. So we’re presuming that they can engage in uni-hemispheric sleep and will do so more readily in environments that they perceive to be riskier.”

Humans, who generally feel safe and secure when sleeping in their own beds, do not show any indication of being able to shut only half their brains down at a time, but that is not to say that external factors do not influence human sleep, Lesku noted.

“Studies have shown that humans sleeping in more stressful environments, or more unknown environments such as a hotel room, will have more fragmented or poorer quality of sleep. Also there are certain behavioral symptoms that people can be afflicted with, such as anxiety or depression, that also alter sleep architecture in a way that is consistent with animals sleeping under the risk of predation. The mechanism of this may be simply higher levels of circulating stress hormones or something like that which are suppressing these deeper stages of sleep.”

Despite a half century of concerted research on humans and decades of research on a broad spectrum of animals, “we don’t know the absolute answer as to why one sleeps,” said Charles Amlaner, professor and chairperson of Indiana State’s Department of Ecology and Organismal Biology. “What we do know is that there are a number of factors out there that will shape sleep. Sleep is not something that is just so locked in that it won’t adjust based upon external pressures.”

Lesku, Amlaner, and Niels Rattenborg, who completed his doctorate degree at Indiana State and is now at the Max Planck Institute for Ornithology in Germany, co-authored the paper with Lima.

While some researchers, including those at Indiana State, conduct studies in the field, most work is done in the more controlled setting of a laboratory “that may not capture all of the salient features of sleep,” the paper says.



After identifying the ability of several species of birds to sleep with one eye open and thus put half their brain to sleep while keeping the other half alert to watch for predators, ISU researchers have turned their attention to reptiles, including iguanas. Initial findings suggest iguanas also exhibit so-called uni-hemispheric sleep.

“In the study of sleep, we have lacked a sort of evolutionary perspective on why we sleep and what some of the functions might be,” Lima said. “We need both approaches—a more mechanistic sort of clinical approach and an evolutionary approach to really fully understand this whole phenomenon of sleep.”

That full understanding won’t come, researchers say, until they answer the question of just why we sleep.

“Wouldn’t this be one of the cruelest hoaxes of natural selection and the process of evolution? If sleep really isn’t an adaptive behavior, why are we doing it? With animals and man sleeping at such a high level, we’ve got to believe that there’s a function out there and we’re going to find it one day,” said Amlaner. ●



# New Spectrometer to be Used by Three Colleges

Research and teaching at three Wabash Valley higher education institutions are benefiting from a recently acquired nuclear magnetic resonance (NMR) spectrometer.

One of the most powerful tools available for determining the arrangement of individual atoms within molecules and for studying the interaction between molecules in chemical solutions, the spectrometer was acquired by

13 years and had reached the end of its useful life, said Richard Fitch, assistant professor of chemistry and principal investigator for the successful grant application.

The 400 MHz spectrometer has a more powerful magnetic field than the instrument it is replacing and that added power will impact research in medicinal chemistry, biochemistry, and synthetic chemistry by providing a wider spectrum of signals, Fitch said.



Richard Fitch, assistant professor of chemistry, loads a chemical sample into the sample changer of a new 400 MHz nuclear magnetic resource spectrometer.

“It’s kind of like looking at puzzle pieces,” he explained. “If all the puzzle pieces are overlapping, it’s really hard to tell which piece goes where. But if you can separate the pieces and resolve their shape, you can see that this piece is certainly different from that one, and you can eventually determine where all the pieces need to go. The new NMR gives us more power for similarly sorting out the structures in our molecules.”

Fitch, whose research focuses on the chemistry and pharmacology of natural products, will use the NMR in studies of complex molecules found in many important drugs. The molecules have precise three-dimensional arrangements of atoms that are critical to the function

of these medicines. If special catalysts can be developed to build such molecules, these catalysts can be used to more efficiently prepare important drugs for treating disease, he said.

Indiana State’s Department of Chemistry thanks to a \$284,000 grant from the National Science Foundation’s Major Research Instrumentation Program.

Considered a centerpiece of modern organic chemistry programs, the NMR is one of four spectrometers housed in Indiana State’s Department of Chemistry. The new instrument replaces a unit that had been in place for nearly

The NMR will also be used by other researchers and students at Indiana State, Rose-Hulman Institute of Technology, and Saint Mary-of-the-Woods College. A web-based interface will allow students to run tests via the Internet. ●





# Alternative Treatment Maintains Ankle Flexibility

A study conducted by an Indiana State University professor shows ankle flexibility can be maintained without continuing vigorous exercises or the use of deep shortwave heating. Jody Brucker, an assistant professor in ISU's Athletic Training Department, conducted the study with other key researchers in Provo, Utah.

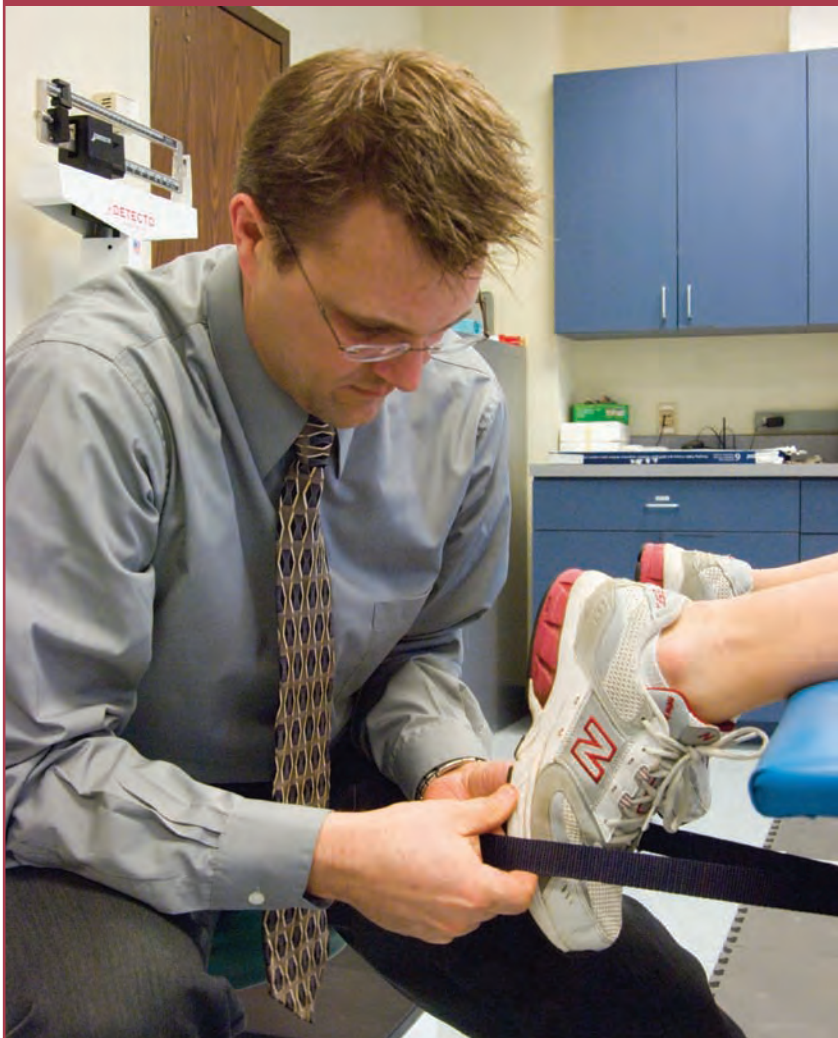
The results of the study were published in the winter 2005 issue of *The Journal of Athletic Training*, a quarterly, scientific publication from the National Athletic Trainers' Association.

The study examined the retention of ankle flexibility with 23 healthy, college-aged males or females. The participants were divided into two groups—one that stretched every day; and one that received shortwave diathermy, an instrument that heats deep tissue before and during stretching every day.

The stretching program lasted for 18 days with weekends off. Thereafter, the students returned after three weeks and were measured to see if there was a decrease in range of motion in their ankles. The results of the study show flexibility of the ankle can be maintained, even after a three-week period, without stretching.

Though the study found flexibility was maintained without rigorous stretching, the range of motion may naturally decrease over a longer period of time, but this has yet to be tested. ●

Jody Brucker, an assistant professor in ISU's Athletic Training Department, tests ankle flexibility as part of his study. He found that flexibility was maintained, even after a three-week period, without rigorous stretching.



# Tadpoles Abandon Family for Safety

If you felt threatened, would you seek safety in the familiar company of relatives or would you seek out a large crowd of strangers, figuring there is safety in numbers?

If you were a tadpole, odds are you'd abandon your brothers and sisters and go hang out with a large crowd, research in Indiana State University's Department of Life Sciences suggests. It takes just a few weeks for a tadpole to fully develop into a toad or frog. Even in their earliest stages, scientists have long recognized that amphibians—like most creatures—tend to cluster with their relatives, or kin.

But Travis Kamm, a graduate student from Raleigh, North Carolina, saw a void in existing research and set out to fill that void, seeking to determine the circumstances that would make tadpoles choose a small, somewhat safe group of kin or a large group of “non-kin” that would be more safe from predators. Over the past two years, Kamm set up cameras to monitor tens of thousands of tadpoles to see just what happens when the tadpoles feel threatened.

“When you add a predator, such as a bluegill, they do in fact switch that strategy and they choose to go with the larger group because, in the presence of a predator large groups are safer,” Kamm said.

Scientists don't know how tadpoles recognize relatives or what makes them seek safety with

strangers when in danger. Kamm's professor says his study suggests the thought processes of amphibians may be more complex than originally believed.

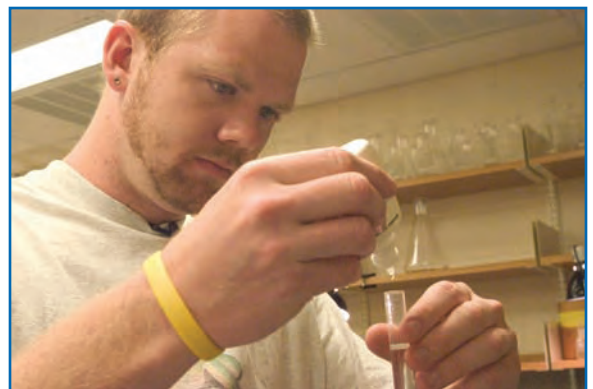


Rusty Gonser, assistant professor of life sciences at ISU, tests the acidity of water in which hundreds of tadpoles are living while graduate student Travis Kamm looks on.

“It gets to that core debate: is it nature or is it nurture? And it even says something about genetics. Even if this is genetically hard-wired, it says there's something in there that still allows them to make complex decisions,” said Rusty Gonser, assistant professor of life sciences.

Kamm chose Indiana State to pursue his master's degree because he and Gonser share some of the same research interests and because he had more of a say in his own projects.

“I came here because of the freedom to choose my research. I wasn't stuck on a project that I had no interest in, whereas in a lot of graduate programs you don't get to choose what you're going to do,” Kamm said. ●



Travis Kamm, a graduate student in life sciences at ISU, tests a water sample to ensure proper nutrient levels for tadpoles.





"The benefits of the Promising Scholars Program will extend well beyond the individual recipients, their departments, and even our University."

—Lloyd W. Benjamin III  
President, Indiana State University

# Promising Scholars

As part of its efforts to become the best university of its kind in the Midwest, Indiana State University selected 18 up-and-coming faculty members as the first class of “Promising Scholars” who will receive research grants of up to \$15,000 for each of 16 projects.

Promising Scholars are educators who have not yet attained the rank of professor but have demonstrated a commitment to meaningful research that has the potential to benefit the state and nation.

The program is designed to help attract and retain exceptionally qualified faculty by providing support for scholarly research early in their careers. It is part of “Fulfilling the Promise—The Path to Pre-eminence,” a six-year plan to shift the University’s mission toward providing real-world learning for students and creating solutions to community problems.

Announced by President Lloyd W. Benjamin III in 2004, “Fulfilling the Promise” aims to raise Indiana State to a high level

of pre-eminence in the state, Midwest region, and nation. The Promising Scholars Program is a major step along that path, Benjamin said.

“The benefits of the Promising Scholars Program will extend well beyond the individual recipients, their departments, and even our University. Supporting faculty in this kind of research will eventually result in a measurable impact on our local, regional, and national communities,” he said.



Promising Scholar Richard Fitch, assistant professor of chemistry, goes over material with student Rebecca Coates.



Promising Scholars were selected through a competitive process from a field of 54 applicants.

“The future of Indiana State University is dependent upon the productivity of our faculty,” said C.



William Wilhelm

Jack Maynard, ISU provost and vice president for academic affairs. “This program provides resources that allow faculty to more efficiently and effectively develop their scholarship and research agenda.

“Projects submitted for review by a campus-wide committee included some pretty impressive initiatives and demonstrate that our up-and-coming faculty members at Indiana State share the University’s commitment to experiential learning and meaningful research.”

A four-year grant from the Lilly Endowment to recruit and retain intellectual capital for Indiana’s higher education institutions is providing initial support to the Promising Scholars Program. Indiana State has the goal of re-allocating University funds to continue to support the program, Benjamin said. ●

## 2005-2006 Promising Scholars

### M. Affan Badar

assistant professor, industrial/mechanical technology

### Shannon Barton-Bellessa and Phillip Shon

assistant professors, criminology

### Kymberley Bennett

assistant professor, psychology

### Christopher Berchild

assistant professor, theater

### Michael Chambers

associate professor, political science

### Ann Chirhart

assistant professor, history

### Richard Fitch

assistant professor, chemistry

### Eric Hampton and Steve Gruenert

assistant professors, educational and school psychology

### Myung-Ah Lee

assistant professor, physical education

### Thomas Nesser

assistant professor, physical education

### Theodore Piechocinski

associate professor, music

### Josh Powers

assistant professor, educational leadership, administration, and foundations

### Kenneth Prouty

assistant professor, African and African American studies

### William Wilhelm

assistant professor, business, education, and information technology

### Kelly Wilkinson

assistant professor, business, education, and information technology

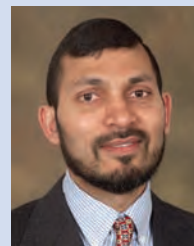
### Guo-Ping Zhang

assistant professor, physics

# Promising Scholars Projects

## M. Affan Badar

“Improving Health Care Systems Using Lean Manufacturing and Simulation Techniques.” Aimed at reducing the time patients spend in the emergency department of Terre Haute’s Union Hospital, this project adapts lean manufacturing principles to the health care field, with a goal of developing a model for health care systems elsewhere. ●



## Shannon Barton-Bellessa and Phillip Shon

“Improving Homicide Case Solvability: A Structural Examination of Crime-Scene Behaviors.” A study of the characteristics of homicide cases in El Salvador with a goal of identifying characteristics of such crimes that increase the likelihood of solving the cases. ●



## Kymberley Bennett

“Why Did This Happen to Me? How Explanations for Cardiovascular Disease Influence Recovery Among Patients in Cardiac Rehabilitation.” This project examines whether creating explanations that foster a sense of control over the cause of cardiac events will improve patients’ physical and mental health because they feel more optimistic about being able to make healthy choices. ●

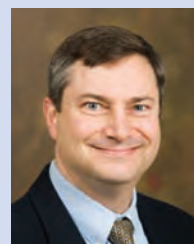
## Christopher Berchild

“The Dreaming Dust: A Performance in St. Patrick’s Cathedral, Dublin.” ISU theater students will be cast in Irish playwright Denis Johnston’s play about writer Jonathan Swift. The play will be the centerpiece of the Jonathan Swift Symposium in October 2007 and will be the first production ever staged in the cathedral. ●



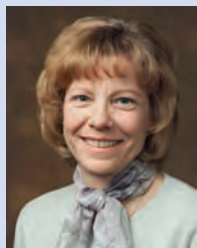
## Michael Chambers

“Evolving Sino-Indonesian Relations: Indonesia’s Growing Importance to the People’s Republic of China.” Working with a small team of students, Chambers will examine the extent to which China’s desire for energy security is responsible for its improving relations with Indonesia. ●





## Promising Scholars Projects *continued*

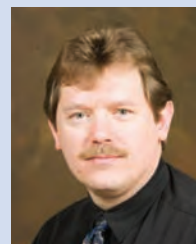


**Ann Chirhart**

“Worship in the Wabash Valley.” Via oral histories, students, faculty, and community members will explore the role houses of worship played in family interactions, ethnicity, personal identity, economic transformation, and education from the 19th to the 20th century. ●

**Richard Fitch**

“Enantioselective Catalysis of Metal-Mediated Organic Reactions.” Many of the important drugs today are complex molecules, having precise three-dimensional arrangements of atoms that are critical to the function of these medicines. This project is centered around developing special catalysts to build such molecules, allowing one to put each atom in its proper place. If successful, these catalysts can be used to more efficiently prepare important drugs for treating disease. ●



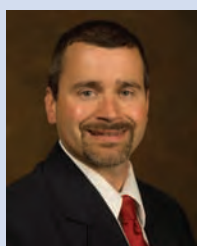
**Eric Hampton and Steve Gruenert**

“Adequate Yearly Progress and Social Capital.” Utilizing interviews and questionnaires of high school principals and faculty in Indiana, this project will examine two groups of schools with similar demographic data, those that have previously been on the state’s school improvement list but have been removed due to making adequate yearly progress and those who continue on the list. ●



**Myung-Ah Lee**

“Infusing Technology into Early Field Experience in Physical Education.” Technology-integrated teaching method courses and early field experience will establish a problem-based learning environment. This will help preservice teachers improve their operational technology skills, and integrate technology topics into their teaching experience. ●



**Thomas Nesser**

“An Evaluation of the Effectiveness of a Community-Based Childhood Obesity Treatment Program on Improving Physical Activity and Dietary Patterns of Child and Parent Participants.” Healthy Choices for Life is a multi-disciplinary program focusing on the prevention and treatment of childhood weight concerns. The program’s goals are: improve children’s nutritional choices, increase children’s physical activity, and enhance children’s self-esteem. ●

### Theodore Piechocinski

“A New Textbook on the Music Business/Music Industry Studies.” Piechocinski will develop a new introductory music business text that will provide extensive exercises, assignments, and practical applications drawn from actual industry situations. An accompanying CD will provide resource and supplemental materials, including sample contracts and copyright forms. ●



### Josh Powers

“Economic Development and Technology Transfer at Regional State Universities.” This project will investigate the forces regional state universities such as Indiana State face as they are increasingly called upon to contribute to economic development and engage in technology transfer practices appropriate for this type of institution. ●



### Kenneth Prouty

“Technology and the Learning of Jazz.” An examination of how development of advanced digital instructional technology has influenced the learning and teaching of jazz. ●



### William Wilhelm

“Teaching Ethics in Undergraduate Business Core Courses.” This study will identify effective teaching methods for instructors, who may not be formally trained business ethicists, in each discipline of business. ●



### Kelly Wilkinson

“Using Breeze for Communication and Assessment of Internships.” Using Breeze software, a web camera, and headset, student interns will be able to see and hear their internship coordinators via the Internet and ask questions of professors monitoring their experiences. Students also will record a video diary which faculty can use as a tool for teaching and grading. ●



### Guo-ping Zhang

“High Harmonic Generation in Fullerenes.” This nanotechnology project examines a new frontier of light source from materials that are one-billionth of a meter and can take a real-time picture of a moving cell in human bodies. ●





# Croatian Students/Faculty Visit ISU to Study American Correctional Programs

**T**en students and two faculty members from Eastern Europe have returned home with a better understanding of American community-based corrections thanks to a seminar conducted this summer at Indiana State University.

The students, all women, from the University of Zagreb are part of a new criminology program being developed at that Croatian university as part of a partnership with Indiana State. The two-week seminar focused on alternative sanctions in the United States and Europe. In addition to classroom sessions, it included visits to state prisons in central and west-central Indiana and to the Vigo County Community Corrections facility.

“It is always important to collaborate with people from all over the world” said Ljiljana Miksaj-Todorovic, professor and chair of the Department of Criminology at the University of Zagreb. “I feel American colleagues in the field of criminology are more practical than European colleagues. When we come to America, we see a lot of practical approaches and creativity in practice and that is something my students really need for their future careers.”

In April 2005, the University of Zagreb and Indiana State signed a two-year memorandum of cooperation calling for faculty, student, and administrative exchanges; joint research; and community outreach, including continuing education. The agreement stemmed from ongoing collaboration between Miksaj-Todorovic and Sudipto Roy, associate professor of criminology at Indiana State.

The United States has been increasingly using alternative sanctions since the 1970s, said

Roy, whose research focuses on alternative sentencing.

“We discussed a lot about the different types of alternative sanction programs we are offering in the United States, programs such as victim restitution, electronic home monitoring, day reporting centers, therapeutic communities, halfway houses, etc.,” Roy said.

Miksaj-Todorovic and professor Aleksander Budjanovac, as well as their students, discussed alternative sanctions that are being used in various European countries.

“We were introduced to the whole new system that you have here in the United States and it was a very full experience,” said Janja Dragajovic, a 22-year-old junior from Zagreb. “You have a lot more money than we do. Your prisons look a lot better than ours, and you have varied community-based programs while we are still developing new programs.”

Calling prisons “old-fashioned” and citing overcrowding of correctional facilities in Croatia, Dragajovic said the Zagreb students appreciated learning about alternative sentencing and treatment programs for criminals addicted to alcohol and other drugs as a way “to give them another chance.”

American students also can learn from exchanges and Indiana State plans to send five students to Zagreb during the 2006-2007 academic year, said Roy. “In this day of globalization, students need to know what is happening in other countries,” he said. ●



International



# China Trip Opens International Study to Elementary/Secondary School Teachers and Students

A visit to China in the spring of 2006 has laid the groundwork for expanding academic and cultural exchanges involving Indiana State University, and the creation of new exchanges for kindergarten-12 schools around the state.

ISU, the Indiana Department of Education, Indiana Economic Development Corp., and six kindergarten-12 school systems were represented on the trip that included visits to the Chinese capital of Beijing, as well as the cities of Shanghai and Dalian, in northeastern China's Liaoning Province.

Dubbed a "key leaders" visit because it involved mostly principals, school superintendents, and other administrators, the delegation went to lay the groundwork for bringing the kinds of faculty-student exchanges often found at colleges and universities to the elementary and secondary level.

The 30-member delegation to China engaged in "cultural immersion"—staying in Chinese homes and spending extensive time in Chinese schools.

John Layton of Tecumseh Middle School in Lafayette, Indiana, who spent time teaching English at Century Middle School in Dalian, said he met "some of the brightest, most educated students I have ever crossed paths with.

"I witnessed a nation that has made education a top priority. We too must, as a nation, begin again to make education a national priority. We must find ways to make education important to our youth and their parents and to generate an excitement among our young people to pursue careers in the fields of engineering and science," he said. "We must continue to foster the creative advantage we currently have and instill within our students a feeling of pride in their abilities so that they become tomorrow's world leaders."



What the Chinese are interested in learning from Indiana educators is how to teach their students to be more creative, Layton said.

"Chinese teachers are just now beginning to implement what we consider best instructional practices of learning cooperatively in pairs and in small groups to solve problems," he said.

Plans are to develop teacher exchanges between Tecumseh and a Dalian's Century Middle

School, followed by student exchanges, Layton said.

Turkey Run School Corp. in Parke County has similar plans, said superintendent Roberta Bowen.

“We are hoping our students will get a chance to broaden their horizons and learn about people in different cultures,” Bowers said. “It’s important that our kids appreciate the different cultures and languages.”

Bowers and Pam Rager, Turkey Run principal, brought several artifacts back from China in order to introduce students to Chinese culture in advance of planned faculty-student exchanges.

“I hope this will be the first step in what will be a neat adventure for our students in Parke County,” Bowers said. “We were really intrigued with some of the Chinese teachers we met who teach English and Chinese. We would like to have some Chinese language instruction for our students.”

Bowers hopes to launch a faculty-student exchange with China in conjunction with the 2008 Olympics in Beijing.

Organizers say existing partnerships Indiana State has with Chinese higher education institutions are helping to pave the way for exchanges at elementary and secondary schools.

“Indiana State University has a longstanding relationship with Liaoning University and Liaoning Normal University in Dalian. We want to use that relationship to provide some sort of infrastructure for kindergarten-12 school partnerships,” said Chris McGrew, coordinator of

social studies education with the Indiana Department of Education.

“During our visit to the provincial capital of Hanzhou, particularly the Zhejiang Academy of Social Science, it became evident that universities and their faculty take a leadership role in promoting growth and fostering the development of new policies,” said Jay Gatrell, assistant professor of geography and coordinator of ISU’s Social Science Education Program.

“Visits with industry leaders in Shanghai highlighted the need for Indiana and ISU to seriously engage the many challenges and opportunities associated with the global economy. Based on our experiences, I am confident that ISU and its partners—in Indiana and China—can develop and implement high quality learning experiences that are mutually beneficial, and enable the state and region to prepare for and compete in what has been called by some writers ‘China’s Century,’” Gatrell said.

“Everyone we met with in China was open and encouraging of the project and certainly recognizes the need for better understanding between the people of China and the United





States. These kinds of programs are a way of starting that process,” added John Conant, professor and chairperson of ISU’s Department of Economics and director of the University’s Center for Economic Education.

Educators who made the trek to China “had their eyes opened and have a story to tell. We’re excited about building relationships with the Chinese people, in particular with Chinese educators and children,” said Robert Cupp, superintendent of Decatur County Schools. Teachers and administrators say the assistance of Indiana State and the Indiana Department of Education proved invaluable.

“I really don’t think we could have done it without them,” Bowers said. “With the complexity of getting into the country, being able to visit the ministry of education, and getting into the schools, I really don’t think that is something a lone school district can do. You need to have someone who knows how to do those things and pave the way for you in order to get a really meaningful experience,” she said.

“The strength of this group is the fact that it is not just a group of schools, but it involves universities,” added Keith. “Indiana State has been an important part of this group. Many schools in China are interested in having that university component. ISU provided valuable support before we left and helped us appreciate what we were about to see.”

The China Exchange Initiative—Indiana China trip was funded by a grant from the Freeman Foundation. The Freeman Foundation is encouraging stronger ties between the United States and China through educational exchanges. The Indiana Council for Social Studies received the grant that funded a portion of the experience. Indiana State University, the Indiana Department of Education, the participants, and their schools also paid for a portion of the trip. ●

## ISU Renews and Broadens Chinese Partnerships

**B**uilding on existing partnerships with universities in China, Indiana State University is working with state officials and business leaders on ways to help Indiana become a major player in the rapidly growing Chinese economy.

A delegation from Indiana State, the Indiana Economic Development Corp., Indiana Department of Education, and six kindergarten-12 school systems traveled to China in March. Stops on their ten-day journey included the Chinese capital of Beijing as well as Shanghai and Dalian, where ISU has partnerships with two universities.

ISU’s primary mission on the trip was to support and broaden its ongoing partnerships with Liaoning and Liaoning Normal Universities, help expand Chinese and U.S. university support for kindergarten-12 exchange programs, and explore other ways that ISU and its Chinese educational partners can help promote regional economic development.

“There are very real and exciting opportunities for Indiana companies to invest in what is becoming a hugely vibrant market in China and for attracting investment income from China. We hope to use our partnerships, exceptional educational programs, and research resources to help position Indiana favorably in China,” said Kevin Snider, executive assistant to ISU President Lloyd W. Benjamin III.

“The kindergarten-12 exchange project is an excellent example of what education can do and we were delighted to find on our trip that both the Indiana Economic Development Corporation and Chinese provincial government officials clearly understand the value education

can bring to economic success,” Snider said. Indiana has had a trade office in Beijing for 20 years, underscoring the significance the state places on relations with China, said Steve Akard, director of international development with the Indiana Economic Development Corp (IEDC).

“The trip to China provided a valuable opportunity to meet with government and business leaders to discuss expanding partnerships and exchanges with China. The IEDC developed new contacts in Liaoning province as a result of ISU’s longstanding relationship with education leaders. Those contacts could result in increased trade and investment for Indiana,” Akard said.

“Similarly in Shanghai and Zhejiang Provinces, Indiana’s sister state, we re-invigorated relationships with government contacts and established new relationships with industries interested in doing business in Indiana. We also learned about new areas of interest for educational and cultural exchanges in Zhejiang Province as a result of ISU’s initiatives in China.”

As measured by purchasing power parity, China is already the second largest economy in the world after the United States and it has the fastest growing economy, noted John Conant, professor of economics and director of ISU’s Center for Economic Education.

“The people of Indiana are going to be interacting with the people of China on a greater basis. For us to take advantage of those interactions, we need to understand their culture and their history. China is going to be a very major player in the world. Our economy depends on our ability to interact successfully with China,” Conant said.



Fostering business and educational exchanges between the two nations can go a long way toward ensuring cordial relationships between China and the United States, said a Chinese businessman involved in the trip.

“The more economic and business ties two countries have, the more likely the two countries will stay in peace and that’s one of my biggest desires,” said Aaron Zou, international manager for Asia Chief Industries, Inc. ●



# Study Abroad Experience Leads to Peace Corps Service

Jason Johnson, an Indiana State University May graduate, took his history major seriously and spent a year immersed in the ancient Chinese culture at the University of Hong Kong in China. While there, Johnson studied ancient world history and visited the actual places he was reading about in his textbooks.

“To see things in person and witness them first-hand is so much better than book knowledge alone,” Johnson said. “Being on-site, seeing and touching things, gives you a sense of the grandeur and detail that you can’t get from a book.

“Angkor Wat in Cambodia, an ancient Hindu temple which is one of the most famous religious sites in Asia, and also the location of the film *Tomb Raider*, is an example of something that must be seen in person to be appreciated,” Johnson said.

hear lectures from Nobel Prize winners and world leaders.

“The program itself was pretty prestigious,” Johnson said. “Most of the students were from schools like Harvard, Yale, and Berkley, and I was studying with them and listening to lectures from world-renown figures.”

Johnson of Austin, Indiana, studied in Hong Kong from August 2004 to May 2005, and is the first student from ISU to ever study in Hong Kong.

“I first heard about the program my freshman year,” Johnson said. “I attended an open house, and decided Hong Kong would be an interesting place to study.”

Johnson said that in Hong Kong he lived in a residence hall much like the ones at ISU, but with one twist, “My roommate didn’t speak

“Spend more than a semester. Spend a whole year if you can. It’s an experience you won’t forget,”

—Jason Johnson  
Indiana State University graduate

“The size is overwhelming,” he said. “It is surrounded by a moat and a wall which is more than two miles long. When you look at it up close, you see that everything is sculpted to pristine detail. To see it in person is incomparable.”

Through the University of Hong Kong exchange program, Johnson also was able to

any English. He said he wanted an American roommate so he could learn English. Needless to say, there was a lot of hand-gesturing.”

Surprisingly, the language barrier was not a major issue, he said.

“Hong King is pretty Western, and most people speak English as a second language,”

Johnson said. While in the Orient, Johnson took the opportunity to travel and see other countries, spending eight weeks in Thailand, three weeks in Cambodia, and one week in Malaysian Borneo.

During his visit to Thailand, Johnson said he experienced a tragedy he will never forget.

"I was in Thailand when the tsunami hit Pucket," Johnson said. "I was actually planning to travel to Pucket that day, but at the last minute, a friend invited me to stay on the north end of the country." After the tsunami hit, Johnson said he spent time helping rebuild the city.

"It was very tragic," he said. "In fact, one of the professors I had at school was killed."

The tragedy struck Johnson so much that he wants to continue to help. He received word at the end of April that he has been accepted into the Peace Corps and left in August for central Asia, where he will teach English.

"It's a long process applying to the Peace Corps," Johnson said. "I had to go through several background checks. I even had to go to the sheriff's office and have my fingerprints taken."

Johnson's study abroad experience was the crucial factor in his being chosen for the Peace Corps, he said.

"During my vacation time overseas, I volunteered to teach English at local schools in Cambodia, Thailand, and rural China," he said. "The Peace Corps officer told me the reason I got accepted into the program was my experience teaching English to non-native speakers and living in a country for nine months with people I didn't know, and a language I didn't speak."



Jason Johnson, ISU May graduate, is pictured at Krabi Beach in southwest Thailand during a break from studies at the University of Hong Kong. It was Johnson's experience overseas, living for an entire school year in a non-English speaking country and volunteering to teach English as a second language while he was there, that helped him gain admittance into the Peace Corps.

Johnson encourages other Indiana State students to study abroad.

"Spend more than a semester. Spend a whole year if you can. It's an experience you won't forget," Johnson said. ●



# Ten-Year Exchange Program Benefits ISU and Russian University; Expands to Morocco

Governments of developing countries look to the United States when trying to figure out how to spur private industry or promote democracy. Universities in other countries turn to Robyn Lugar when it comes to social work.



Social work is a passion for Robyn Lugar, interim chairperson and assistant professor of social work at Indiana State University. She has been instrumental in developing the departments of social work at Tambov State University in Tambov, Russia; and Hassan II University-Mohammedia in Morocco, northern Africa.

Lugar, interim chairperson and assistant professor of social work at Indiana State University, has been instrumental in developing the departments of social work at Tambov State University in Tambov, Russia, and Hassan II University-Mohammedia in Morocco, northern Africa.

When Lugar met the chairperson of the Tambov State social work department ten years ago at a conference in Philadelphia, Pennsylvania, the profession of social work was new to Russia, and Tambov State was in its first year of providing it as a major. The department consisted of two faculty members, 19 students, and no textbooks.

Seeing an opportunity for her students to be part of another country's social work profession in the making, Lugar asked about a student exchange between the two universities, and it happened that summer.

This exchange led to a long-term relationship between the universities. Over the past ten years, Lugar has made the 5,300-mile trip to Russia 12 times. During each trip, she has lugged about 40 pounds of textbooks for the students, has continued to help develop the social work program, and lectures to hundreds of Russian students about what the American approach would be to various social issues.

Today, Tambov State University's Social Work Program has 500 students and an English textbook collection that is the only one of its kind in that part of the world.

In addition, as a result of Lugar's work, Tambov became a sister city of Terre Haute in 2002, and then-mayor Judy Anderson traveled there with a delegation. Lugar's most recent visit to Russia



Dr. Wieke van der Weijden (left), President Lloyd Benjamin III (center), and Rahma Bourquia (right), president of Hassan II University Mohammedia listen during the Moroccan Financial System and Economic Opportunities seminar co-sponsored by Networks Financial Institute, Indiana State University, Hassan II University - Mohammedia, and the Casablanca Regional Center of Investment.

was in March for an international social work conference, where ten years of collaboration between ISU and Tambov State were celebrated.

“Both ISU and Tambov consider our relationship with each other one of the longest international programs in existence,” Lugar said.

ISU social work students have benefited from the relationship forged by Lugar with Tambov State, and there have been three student exchanges as a result. Most recently, ISU students were in Russia last summer.

“The goal is to expose students to the social work profession in a real and global setting,” Lugar said.

Oleg Shadsky, associate professor in the Institute of Pedagogy and Social Work at Tambov State University, said he considers the student exchange program a main element of the universities’ collaboration.

“Though not many students can afford it financially, those who can, receive a priceless experience of international social work and collaboration on the international level,” he said. “Russian, as well as American students, not only get to know the working mechanisms of social protection systems and social work agencies, they also receive a cultural experience, make friends, and overcome the prejudices which unfortunately defined the relations between our nations for decades.”

Emily Greene of Richmond, Indiana, an ISU graduate and President’s Scholar, participated in the exchange with Tambov State University in July 2005.

“The trip motivated me to be more culturally competent and value differences,” Greene said. “While it may be assumed that the United States is leaps and bounds ahead of Russia, there are areas in which Russia is more progressive. The idea of preventive care and rest

## International Partnerships

Currently, Indiana State University has partnerships with the following universities and institutions around the world:

### China

- Liaoning University
- Liaoning Normal University
- Shenyang Conservatory of Music
- Shenzhen University

### Morocco

- Hassan II University-Mohammedia
- Al-Akhawayn

### Thailand

- Suan Sunandha Rajabhat University
- Surat Thani Rajabhat University
- Rajabhat Maha Sarakham University

### Russia

- Tambov State University

### Cyprus

- Xenia Tsolaki Metaxa Institute

### Croatia

- University of Zagreb

### France

- Euromed

### Taiwan

- Shu Te University

### Germany

- International University of Applied Sciences
- University of Bremen

### Slovakia

- Comenius University

### Vietnam

- Vietnamese Academy of Science and Technology

### Japan

- Baiko Jo Gakuin
- Fuji Athletic and Business College

### Finland

- South Carelia Polytechnic
- Rovaniemi
- Diaconia Institute of Higher Education

### Saudi Arabia

- Al-Yamamah College





is emphasized in Tambov. The Russian people work very hard, but they are also encouraged to take care of their physical and mental health. Unfortunately, preventive care is not a concept that is widely valued in the States,” said Greene.

About 25 ISU social work students have taken part in the Tambov exchange program, as well as several ISU faculty members. None who have made the trip have been exempt from serving as beasts of burden for Lugar.



During a visit to Hassan II University-Mohammedia in Morocco to help develop a social work curriculum, Dr. Wieke van der Weijden (right), wife of President Lloyd Benjamin III, attends a wedding reception with Leida Benchakroun.

“Everyone who has gone to Tambov, I have loaded down with as many pounds of textbooks for the students and toys for the children as the air carriers would allow,” Lugar said. “I worked with textbook publishers, and asked if I could have their older editions that would otherwise be pulped, and I collected old editions of our textbooks.”

Due to Lugar and her contingent of packhorses, Tambov State now has the best academic collection of international materials on social work, Shadsky says.

“For those who want to pursue an academic career in our university and enter the post-graduate program, it’s one of the requirements to pass the skills test of working with English-language research texts,” Shadsky said. “Our collection is very popular, because young researchers come and work with the books, not only getting new information about American social work and social welfare, but also polishing their English skills.”

Lugar has published many articles and participated in international conferences, sharing her knowledge and experience in the social work field. Her scientific contribution is recognized by the Russian Academy of Social Education, which accepted her as a member several years ago. This year, she was accepted as an Honorary Member of the Union of Social Pedagogues and Social Workers of the Russian Federation.

Hassan II University-Mohammedia is also establishing the profession of social work in Morocco with Lugar’s help.

Indiana State and the Moroccan university have been working together on a variety of activities since a collaboration agreement was signed in 2002. When Hassan II University decided to start a social work program, which would be the first at any university in the country, they called on Lugar for help.

Lugar traveled to Morocco in February 2005 to share the model used in ISU’s program, and “they liked what they saw,” Lugar said.

In the fall 2005 semester, Mhammed Abderebbi, chairperson of the Sociology Department at Hassan II University-Mohammedia, came to ISU for four weeks with the task that when he went back, he would have a proposal for starting a new social work program put together for their president, Lugar said. She worked with him continually during that time, explaining the importance of a code of ethics and showing him different academic models.

“We visited a number of agencies here,” Lugar said, “and spent numerous days on the roles of the federal and state governments; and how the county, non-profits, mental health organizations, and children’s services fit in, so he could see all the different possibilities for their students and their internships.”



Social work students from ISU and Tambov State meet each other during the July 2005 trip. In addition to the Russian students pictured are: (from left) Emily Greene, ISU senior; Kelli Atkins, ISU senior; and Robyn Lugar, ISU professor, and her daughter Katie.

Lugar went back to Morocco in February 2006 to bring faculty together with representatives from several community agencies.

“I went to a number of agencies and talked to them about having interns,” Lugar said.

“There was a big discussion about the field component and how that would work there, but it was well-received, so I really feel like we made a big contribution in that respect, otherwise they might not have gone down that path.”

Abderebbi says it was Lugar’s influence which spurred them to add a real-life component to their curriculum.

“She has strengthened the capacity of our staff to teach our students,” Abderebbi said, “by pointing us in the direction of collaborating with social service associations, so our students

can experience what their profession is like in the real world.”

Lugar says Hassan II University-Mohammedia started social work classes in fall 2006, and ISU helped.

“We hope to do weekly or twice weekly web cast sessions, where our faculty will teach their students,” Lugar said. “We’ll also include students in this so they can learn from each other. We hope to have a student exchange with them, like we have with Tambov, and bring ISU students over there during spring break.”

The web cast format already is familiar to ISU social work faculty and students who have been participating in distance education courses with Tambov for the past three years.

Lugar says it’s a way to bring an international element to everyone’s college experience. “Part of the problem with student exchanges is that only the students who can afford it can go,” she said. “This way, I can get 100 percent of my students involved internationally.” ●

Children at Bolshoi Lipovitz orphanage in Russia play a new game taught to them by Indiana State University social work exchange students—“Doggie, doggie, who has your bone?” Accompanied by Robyn Lugar, interim chairperson and assistant professor of social work at ISU, students participated in an exchange program with Tambov State University in July 2005. For some of the children at the orphanage, the toys given by the ISU students were the first things they had ever owned





# Theater Establishes Partnership with Ireland

Indiana State University's SummerStage production of *Sword Against the Sea* traveled to Sligo, Ireland at the invitation of the prestigious Yeats Society. The production, an adaptation of *William Butler Yeats' Cuchulain Plays and Poems* by artistic director Arthur Feinsod, was performed in the city's largest theater, the Hawk's Well Theatre. Feinsod is the chairperson of the ISU Department of Theater.

Supported by a grant from Phyllis and Ned Turner, the play was performed to a sold-out crowd of 600 people, including some of the most celebrated Yeats scholars in the world.

The trip was an outgrowth of a partnership Feinsod formed between Indiana State and John Kavanagh of Sligo's Institute of Technology.

The Institute of Technology at Sligo (IT) has funded a scholarship for ISU faculty and students to attend the annual Yeats International Summer School for the last several years. Feinsod said the partnership between the two institutions is aimed at an exchange of faculty and students interested in different aspects of theater.

"We have ISU students interested in theater management. It's not offered here, but it is offered at IT Sligo. They have students interested in directing and playwriting; they don't formally offer that and we do," he said.

"We not only want our students to study acting and theater management at IT Sligo, but possibly to do an internship with the Blue Raincoat Theatre Company," Feinsod said. Kavanagh, who appeared as a Shick lecturer with ISU's Department of English in 2001, added, "We want to draw primarily on ISU's design and playwriting expertise and training."

This is not the first international partnership Feinsod has pursued. In February 2006 a production of *The Brand New Lucky Diamond Horseshoe Club* was performed at Queen's Hall in Port-of-Spain, the largest venue in the West Indies.

This play was written and developed for the SummerStage 2004 season by Trinidadian theater artist Tony Hall with music and lyrics by internationally acclaimed calypso artist David Rudder. ISU student AJ Davis, who performed in the Terre Haute world premiere, also participated in the production in Port-of-Spain while studying there this past spring. ●

A delegation from the Shenyang Conservatory of Music in Shenyang, China visited ISU in April. The group included faculty participating in a professional exchange to learn more about music education and four student musicians from the Conservatory. This visit marks the first time students from Shenyang have visited and performed on the Indiana State campus and is the outgrowth of a 2003 agreement between Indiana State and Shenyang Conservatory to provide opportunities for exchanges, training, conferences, joint research projects and studies, and special short-term academic programs. ►







# Buildings



These University projects along with private development of a local hotel and expansion of the Clabber Girl manufacturing facility highlight an extensive revitalization effort in the downtown community.

# Donors Provide Permanent Home for ISU Traditions

Two of Indiana State's most popular student activities—the Sycamore Tricycle Derby and the Tandem Race—now have a permanent home at Recreation East, thanks in large part to an ISU alumnus with an interest in preserving the history and traditions associated with those events.

In the late 1990s, Michael Simmons wanted to recognize the efforts of the students who maintained and participated in the Sycamore Tricycle Derby. Simmons, a 1964 graduate of ISU, was one of the founders of the race as a student in 1963 along with Debbie Hulman Bareford, Tom Bareford, Tom Maurer, and Linda Lea Adkins.

“In 2002, the idea of a building came up; and, I liked that idea,” Simmons said.

Because of the effort and support of Simmons, the Barefords, and former riders and coordinators of both trike and tandem, Recreation East is now equipped with amenities such as sound, a scoreboard, and seating.

The Michael Simmons Student Activity Center houses the Susan M. Bareford Memorial Classroom, commemorative displays chronicling the history and the participants of trike and tandem, storage for the trikes, restrooms, bleachers, and a covered observation deck.

“This facility sort of completes the circle for me,” Simmons stated. “This is the result of lots of people keeping it [the trike race] alive. The original team planted the seed and then there were hundreds of people, over the past four decades, that kept adding more to the event. They have added to the history, function, and organization until today it is an important event



each year at ISU. I am so proud of the students that followed us and continued the camaraderie and the spirit of the Trike Derby.”

Simmons serves on the ISU Foundation Board of Directors and is a life member of the ISU Alumni Association. He also received a Distinguished Alumni Award from Indiana State in 1987. In addition, he served as a past-president of the Indianapolis chapter of the ISU Alumni Association.

Simmons has enjoyed an extensive and successful career in business. He has held





upgrades, and aesthetic improvements to the lobby and south façade of the building.

Several other University projects also moved forward during 2005-2006. A \$29.8 million renovation of University Hall, the largest state-funded project in the University's history, received state approval. The renovation of the former University School will create a high-tech environment in an historic structure for the College of Education. The facility is expected to be open for classes in fall 2008.

executive positions with Security Capital Group Incorporated, the Bank of Boston, the Bank of America, Fidelity Investments, American Fletcher National Bank, and IBM Corporation. When he first graduated from ISU he was a high school and junior college teacher.

Tom Bareford graduated from ISU in 1964 with a bachelor's degree in business. While in college, he was active in Tau Kappa Epsilon fraternity, Blue Key, and Delta Sigma Pi business fraternity. He currently serves on the ISU Foundation Board of Directors and is active with the Indianapolis chapter of the ISU Alumni Association.

Debbie Hulman Bareford earned bachelor's degrees in business administration and secondary education in 1964. While at ISU, she was active in Delta Gamma sorority and served as freshman class secretary. She has served on the Alumni Council and chaired the Indianapolis chapter of the ISU Alumni Association in addition to being active in ISU's recruiting and fundraising efforts.

The Michael Simmons facility was one of two buildings dedicated during the past year. Stalker Hall re-opened in fall 2005 following a \$5.5 million renovation that included the installation of an elevator, electrical and mechanical

Federally funded renovations began in 2006 on the Federal Building which will become the new home to the College of Business. The building, located at the corner of Seventh and Cherry Streets, will be officially transferred to the University in 2008 by the General Services Administration and the U.S. Postal Service. Across the street, work has started on the Cherry Street Multi-Modal Transportation Facility, a joint project between Indiana State and the City of Terre Haute. The 216,000 square foot facility will provide a covered transfer station for the city's bus system as well as 628 parking spaces.

Keeping pace with technology on the ISU campus and downtown, the project will feature wireless Internet connectivity. The project will be constructed of brick and limestone to complement existing campus and downtown architecture. The \$13.4 million facility is scheduled for completion in January 2008.

Approval was also granted by the state legislature for the construction of a new Student Recreation Center. Final approval for funding of the facility is expected in the near future. ●

Building elevations of the planned Student Recreation Center.



Terre Haute Mayor Kevin Burke (left) and ISU President Lloyd W. Benjamin III stand beside the artist's rendering of the Cherry Street Multi-Modal Transportation Facility.





# Recognition Briefs

*Karen Liu*, professor of early childhood education at Indiana State University, has been named president-elect for the Association for Childhood Education International (ACEI).

Liu will serve a one-year term, followed by a two-year term as president. Her term officially began at the conclusion of ACEI's Annual Conference (April 12-15) in San Antonio, Texas.

An active member with ACEI for 20 years, Liu has previously served ACEI as member-at-large (1999-2001), "Week of the Classroom Teacher" committee chair (1999-2001), "Hall of Excellence" coordinator (1999-2001), ACEI/NCATE program reviewer (2001-present), International/Intercultural Committee member (1995-1996), and Infancy/Early Childhood Committee member, (1990-1997, 2004-present). She is a regular presenter at the ACEI annual conference and a member of her local ACEI Branch, Indiana ACEI, since 1990.

Liu received her doctorate degree from Michigan State University in 1982 and taught early childhood education at the University of Minnesota—Waseca prior to coming to Indiana State.

She has received several research grants and awards, such as a curriculum development grant, University Research grant, National Development Foundation Fellowship Award,



Karen Liu

outstanding leadership award, Hoosier Educator Award, Distinguished Service Award, Multicultural and Diversity Advocate Award, President's Diversity Leadership Award, and the Holmstedt Distinguished Professor Award, among others.

ACEI is the oldest professional organization in the world dedicated to the development of the child, from birth to early adolescence. Its primary purpose is to promote the inherent rights, education, and well-being of all children in school, home, and the community. Members are educators, parents, and other caregivers who are dedicated to a flexible, child-centered approach to education and have a genuine interest in helping each child learn successfully and fulfill his or her potential. ●



Susan Moncada

*Susan Moncada*, an accounting professor at Indiana State University, received one of the first ever Volunteer of the Year Awards at the Multimedia Educational Resources for Learning and Online Teaching (MERLOT) International.

MERLOT is a free, international repository of links to teaching materials rich in multimedia. Teaching modules on the web site, [www.merlot.org](http://www.merlot.org), are subject to peer review and are evaluated based on content, potential effectiveness as teaching tools, and ease of use.

Moncada became involved with MERLOT through its partnership with the Indiana Commission for Higher Education and the Indiana Higher Education Telecommunication System. She was appointed to the Business Editorial Review Board and continued to work as a volunteer after the commission withdrew from the partnership. Throughout her four years with MERLOT, Moncada attained the status of associate editor of accounting, where her duties included recruiting peer reviewers, assigning modules, following up with reviewers, mentoring new peer reviewers, and consolidating the peer review.

In addition to volunteering with MERLOT, Moncada has published several articles and been in several presentations promoting the scholarship of teaching and experiential learning through the utilization of MERLOT's resources. ●



Marilyn Bisch

The Indiana Classical Conference (ICC) selected *Marilyn Bisch*, lecturer in Latin at Indiana State University, as its 2005 Post-Secondary Teacher of the Year.

The ICC is the official statewide organization for teachers, scholars, and laypersons interested in the study of classical Greek and Roman languages and cultures. It was founded in 1963 to promote the appreciation, study, and teaching of the classics in Indiana. The annual award recognizes outstanding service to university students and to the profession of classical scholarship.

In presenting the award, ICC president David S. Banta, assistant professor of classics at Hanover College, remarked that Bisch's "work in building up and maintaining the classics program at Indiana State University is highly laudable, and we in the Indiana Classical Conference are quite proud, even somewhat humbled, to be able to recognize this service through this award."

Bisch became a member of the ISU classics faculty in 1998. Since that time, enrollments in classical language courses have consistently increased, with enrollments in first-year Latin language courses alone more than quadrupling. She currently teaches all levels of Latin and ancient Greek language, courses in ancient literature and culture for the Department of Languages, Literatures, and Linguistics and the University Honors Program, and is



academic advisor to classical language students. Bisch also serves as faculty advisor for the ISU Gamma Alpha chapter of Eta Sigma Phi, the national classical honorary society. This student organization sponsors campus and community events, including Latin Fest and other outreach programs for area high school Latin students.



David Del Colletti

*David Del Colletti*, associate professor in Indiana State University's Department of Theater, was one of two Region III faculty members honored with a Gold Medallion Award, recognizing his years of service to the Kennedy Center American College Theatre Festival (KCACTF) during the 2006 festival at Illinois State University.

Since 1980, he has been active in KCACTF Region III conducting workshops and judging. Del Colletti has been involved with seven productions taken to the regional festival, one earning the honor of being performed in Washington, D.C.

In addition to serving as an associate professor at Indiana State, Del Colletti is also the resident lighting designer for the department and the producing director of ISU's professional Crossroads Repertory Theatre Company, formerly known as SummerStage. He received his master's degree in technical direction/lighting design from California State University, Northridge. Del Colletti began his teaching career at the University of Wisconsin—Green

Bay in 1975 and has been at Indiana State since 1980.

An active member of the United States Institute of Theatre Technology, Del Colletti recently ended his tenure as the commissioner of the Technical Productions Commission. He is also the secretary/treasurer of Local #49 of the International Alliance of Theatrical Stage Employees in Terre Haute.

Del Colletti is recognized throughout the country as a leading expert in the use of computers for theater management, design, and technology. He works as a freelance lighting designer and travels the country giving custom computer workshops on AutoCAD for the theater. His lighting designs have been featured at many college and professional theaters and at the Phoenix Theatre of Indianapolis, Miss Indiana Pageant, and Indiana Special Olympics opening ceremonies. ●



Bradley Balch

The new dean of Indiana State University's College of Education has experience not only as a faculty member and administrator in higher education but also as a high school teacher, middle school administrator, and school superintendent.

*Bradley Balch* was named dean of ISU's College of Education on July 1, following the retirement of Robert O. Williams, the college's former dean.

An ISU faculty member since 2001, Balch formerly served as associate professor and chairperson of the Department of Educational Leadership, Administration, and Foundations. He previously taught mathematics at Southeast Fountain Junior/Senior High School, and served as assistant principal at Northridge Middle School and as principal of Sommer Elementary and Tuttle Middle School, all in Crawfordsville, Indiana. He was also superintendent of Covington Community School Corp. Balch is currently president of the Covington Board of School Trustees.

A recognized expert on educational administration and governance, Balch has made 71 professional presentations and has authored or co-authored 24 publications.

An Air Force veteran, Balch holds bachelor's and master's degrees in education from Ball State University. He completed his doctorate in educational administration at Indiana State in 1998. ●

Kuhlman has been an associate professor of physical education at Indiana State since 1987. Her research has focused on visual perception and sport performance. She serves as the director of the master's program in coaching and is actively involved at the national level in coaching education.

She received her bachelor of science degree from the Pennsylvania State University and holds both a master's degree and doctor of philosophy degree from the University of Tennessee. ●



Terrie E. Troxel



Jolynn S. Kuhlman

*Jolynn S. Kuhlman* was appointed in November 2005 to serve as interim dean of Indiana State University's School of Graduate Studies.

The former interim assistant dean of the graduate school, Kuhlman was selected as interim dean due to the departure of Kweku Bentil, the school's dean since 2002, who left to assume the presidency of the Medical Center Campus of Miami-Dade College in Florida.

*Terrie E. Troxel*, an experienced insurance educator, researcher, and trade association executive, is the new executive director of Indiana State University's Gongaware Center for Insurance Management Development. He also serves in a faculty role for the College of Business' nationally recognized Insurance and Risk Management Program.

Troxel brings to the College of Business and the University a rare blend of academic and industry experience that has become the hallmark of ISU's renowned Insurance and Risk Management Program.

Prior to his ISU appointment, Troxel served as president and chief executive officer of the American Institute for Chartered Property Casualty Underwriters and the Insurance Institute of America from 1998 to 2005. Both



are independent, nonprofit organizations offering educational programs and professional certification to people in all segments of the property and liability insurance business.

From 1994 to 1998, Troxel served as executive director for the Insurance Research Council, Inc. (IRC), an independent, nonprofit research organization which provides timely information related to public policy matters that affect insurers, customers, and the general public. Prior to that, Troxel served in various capacities with the National Association of Independent Insurers and as director of curriculum for the American Institute for Chartered Property Casualty Underwriters/Insurance Institute of America. He also taught at the University of Nevada, Reno, and the University of North Texas, among others.

A graduate of Illinois Wesleyan University, Troxel earned his master's and doctoral degree in managerial sciences and applied economics from the University of Pennsylvania. In addition, he earned a fellowship from the S. S. Huebner Foundation at the Wharton School, University of Pennsylvania. He also completed the Lloyd's of London Executive Education Program through Lincoln College at Oxford University in England. ●



Michael Haseley

*Michael Haseley*, a senior insurance and risk management and accounting major from Argos, was selected for a prestigious nine-week summer internship, sponsored by the National Association of Professional Surplus Lines Offices, Ltd. (NAPSLO).

Only ten students in the country were selected for NAPSLO's paid summer internships. Of the ten, four were selected to attend the association's annual conference in fall 2006.

During his NAPSLO experience, Haseley served two separate internships—five weeks in Richmond, Virginia, and four weeks in Redondo Beach, California. The internship provided a competitive salary, stipend, travel expenses, and housing costs. Haseley was exposed to all aspects of the surplus lines segment of the insurance industry.

Haseley's other honors include the 2006 Anita Benedetti Student Involvement Award (sponsored by the Risk Insurance Management Society), recipient of the Networks Scholarship, the Robert C. Byrd Honors Scholarship, and an ISU Academic Scholarship. He has also been a member of the Dean's List and a National Merit Finalist. In addition, Haseley is a member of the Insurance and Risk Management Honors Corps; Gamma Iota Sigma Risk Management, Insurance, and Actuarial Science Collegiate Fraternity; Alpha Kappa Psi Professional Business Fraternity; and Toastmasters International. ●



Maria Thaker

An Indiana State University student was one of only 15 from around the country awarded travel grants by the Society for Behavioral Neuroendocrinology to present research at the society's national conference.

*Maria Thaker*, a doctoral student in the Department of Ecology and Organismal Biology, examined changes in the reproductive behavior of male tree lizards in response to the risk of predators.

Most vertebrate animals respond to stress by increasing levels of glucocorticosteroids, naturally occurring hormones, but few studies have examined the behavioral consequences of such increases.

Working with tree lizards in Arizona, Thaker found that all male lizards with increased levels of the hormones responded faster, hid longer, and displayed more when exposed to a predator. She found that non-territorial males were more fearful than territorial males and were most sensitive to elevations in glucocorticosteroids.

Thaker's advisors at Indiana State are Diana Hews, associate professor and assistant chairperson of the department, and Steven Lima, professor of ecology and organismal biology. She joined students from such institutions as Duke, Indiana, and Rutgers Universities; the State University of New York at Albany; and the Universities of Louisville and Washington in making presentations at the conference in Pittsburgh, Pennsylvania. ●



Ethan Sperry

*Ethan Sperry*, a student at Terre Haute South Vigo High School, was recognized for his research at the National Junior Science and Humanities Symposium this past spring in Albuquerque, New Mexico.

Sperry was among only 18 nationwide finalists who received recognition at the 44th symposium. He won third place in the life sciences category for the project "A Molecular Analysis of Variation within Micro-satellite Loci of a Controlled Population of White-tailed Deer (*Odocoileus virginianus*) from Southern Maryland."

Sperry advanced to the national competition by placing first in regional competition at Indiana State University in March. His teacher at Terre Haute South is David Drake. Sperry also worked with Rusty Gonser, assistant professor of life sciences at Indiana State, and is currently doing college-level research in the ISU Department of Life Sciences' Molecular Ecology and Conservation Genetics Laboratory.

The recipient of significant military-sponsored awards, his third-place honors include a \$2,000 scholarship. Sperry was also named as an alternate to the prestigious London International Youth Science Forum, an international scientific and cultural exchange program bringing together more than 400 students from 70-plus nations.

The National Junior Science and Humanities Symposium is sponsored jointly by the United



States Army, Navy, and Air Force. Its major goals are to recognize the best and brightest science-oriented students and to encourage their future contributions to the nation's scientific and technological progress. ●



Christine Knight

*Christine Knight* of Terre Haute, Indiana, a junior social work major at Indiana State University, received the National Conference for College Women Student Leaders Scholarship. The scholarship allowed Knight to attend the national conference in Washington, D.C. Knight was chosen to receive this scholarship as the Indiana representative by the American Association of University Women.

Knight is a member of Beta Sigma Phi and Xi Alpha Mu chapters at ISU, along with being an administrative assistant at the College of Education. She is a certified facilitator for “7 Habits of Highly Effective People,” by Franklin Covey, through ISU’s Human Resources Department. ●

## ISU President’s Award for Civic and Community Leadership

The President’s Award for Civic and Community Leadership is presented annually to a junior or senior at ISU who has made community service an integral part of his or her college experience. The award honors and encourages students who have given generously of their time and energy through participation in community service activities.



John Nay

Indiana State University senior *John Nay* of Columbus, Indiana, was awarded the 2006 President's Award for Civic and Community Leadership. Nay graduated in spring 2006 with a bachelor's degree in mathematics and a minor in chemistry.

Nay helped communities both locally and abroad. In the Terre Haute community, he volunteered as a tutor, a mentor for Boys and Girls Club, and in planning and building a chipped trail. He was also active in the Indiana Rural Health Association and the National Rural Health Association. Through these groups, Nay advocated to elected officials on public health policy issues.

On campus, Nay was a member of the ISU cross country team and served as captain his senior year. He was selected to be a part of the 2005 Missouri Valley Conference Academic Team, which consists of the top ten academic runners in the conference. Nay volunteered at the NCAA Cross Country Nationals, held in Terre Haute. He was an officer in Mortar Board and a President's Scholar. Along with all his activities, Nay earned a cumulative 4.0 grade point average.

In fall 2004, Nay was selected to attend a seminar, "Inside Washington," held in Washington, D.C. in conjunction with the 2005 Presidential Inauguration. Nay was able to meet and learn from political, media, philanthropic, and corporate leaders.

While an ISU student he also took the opportunity to study in Australia for a semester and, while there, spent his free time serving the community, including doing volunteer work for Conserve Volunteer Australia and at Namdgi National Park. Nay also encouraged new students to expand their experiences by studying abroad.

In spring 2006, Nay helped organize an Alternative Spring Break Trip to help victims of Hurricane Katrina. ●



Tyler Horn

*Tyler Horn*, a 2006 graduate in social work, was one of two recipients of the 2006 President's Award for Civic and Community Leadership. Horn served as a court appointed special advocate and as a volunteer for Vigo County



Big Brothers/Big Sisters and at the ISU Early Childhood Education Center. He served as president and co-founder of the ISU chapter of College Mentors for Kids, which pairs college students with at-risk elementary school children for activities that center around valuing higher education, community service, and cultural diversity.

Horn worked as an intern at the Ryves Hall Youth Center, where he carried a small caseload of boys who have Attention-Deficit/Hyperactivity Disorder (ADHD), and assisted with the center's substance abuse prevention program and the Ryves Hall Neighborhood Association. He also completed an internship with the Southwest Parke Community School Corporation, where he conducted research on the differences in rural gender-based education based on factors such as gender, socioeconomic, and special education status.

Since 1991, Horn has done public speaking engagements about his personal experience with cerebral palsy and learning disabilities.

He is a member of the National Association of Social Workers, the National CASA Association, the ISU Student Social Work Association, and was certified by the American Red Cross in fall 2005 in CPR, first aid, and disaster response. ●



Emily Greene

The Indiana chapter of the National Association of Social Workers recognized Indiana State University student Emily Greene of Richmond, Indiana, with the state's first Bachelor of Social Work Student of the Year Award during last October's Professional Education Development Conference in Indianapolis.

A Presidential Scholar, Greene has been active with the Student Social Work Association for four years, the Phi Alpha Social Work Honor Society, United Campus Ministries, and the National Association of Social Workers Board of Directors. She is a Learning Community Peer Assistant and served as a founding officer of the National Society of Collegiate Scholars.

"[ISU] has been very generous and supportive of me. I have excellent social work professors that have developed a very reputable and challenging social work program," Greene said. "I have full confidence in the social work education I am receiving here at ISU." ●

**T**he Graduate Program in the Indiana State University College of Nursing was recognized by *U.S. News and World Report* as being among the top 100 graduate nursing programs in the nation. Only three programs from Indiana earned this designation. ●

# ISU Receives Grant to Address Shortage of Mathematics/Science Teachers

Indiana State University is working to help address a shortage of mathematics and science teachers in urban schools by recruiting both transfer students from two-year colleges and professionals who can use existing degrees in mathematics and sciences as a launching pad to a career in teaching.

A \$491,303 National Science Foundation (NSF) grant will fund stipends of up to \$10,000 per year for five transfer students and two to three transition-to-teaching students. In addition, the University will award \$2,000 per year, dependent upon student need, to help defray the cost of room and board.

The grant is one of 16 highly competitive awards funded by the NSF this year through the Robert Noyce Scholarship Program. The Noyce Program estimates 250,000 mathematics and science teachers will be needed nationwide over the next decade.

New teachers will be needed both to replace those who will be retiring in coming years and to serve increasing numbers of students, particularly in urban areas, said Charles Amlaner, professor of ecology and organismal biology. The grant will allow ISU to increase the number of mathematics and science teachers it graduates each year by 25 percent, Amlaner said.

Indiana State's nationally recognized Professional Development School Program includes five schools within the Indianapolis Public Schools system: Arlington and Northwest high schools, McFarland Middle School, and Brandes (IPS School No. 65) and Miller (IPS School No. 114) elementary schools. ISU faculty hope to utilize those schools for teacher training for Noyce Scholarship recipients. ●

## Family and Consumer Sciences Re-accredited

The Council for Accreditation of the American Association of Family and Consumer Sciences has granted re-accreditation to Indiana State University's Department of Family and Consumer Sciences for a period of ten years.

The council commended the department for maintaining its Occupational Family and Consumer Sciences Education Program, saying the program "addresses a national need for licensed family and consumer sciences teachers."

Re-accreditation follows a self-study by the department and a campus visit by an association review team.

ISU's Department of Family and Consumer Sciences' program is more than 90 years old and has been fully accredited ever since accreditation of such programs began approximately 40 years ago. ●



# MIS Program Named “Priority School” by State Farm

**T**hanks to a \$100,000 contribution by the State Farm Companies Foundation, Indiana State University’s College of Business will be able to build on the strong reputation of its Management Information Systems Program and further enhance the levels of education and experiential learning opportunities for students preparing for financial services careers.

In addition to its monetary support for initiatives within the College of Business, State Farm also has named ISU a “Priority School” in regard to its Management Information Systems Program. This falls on the heels of another big achievement for the college—being honored as one of only four “Systems Schools” in the country earlier this year.

“For nearly 20 years, State Farm has enjoyed a great partnership with ISU,” said Barb Wanthal, assistant vice president of systems at State Farm. “That partnership has led to success for State Farm’s systems department through our internship program and ability to recruit and hire the best and brightest from ISU.”

The \$100,000 gift will be split equally between the Insurance and Risk Management and Management Information Systems Programs. One-fourth of the gift will go to support insurance and risk management scholarships; one-fourth will support the development of the Financial Trading Room; and \$50,000 will support management information systems-related projects and initiatives.

As a result of the State Farm gift, the Management Information Systems Program will receive additional scholarship and promotional support, along with dollars for student development and funding for technology needs



and management information systems-related student organizations. Also included in the funding, are dollars for the program to host an annual high school competition to increase awareness of opportunities available through the program and to attract more students to ISU and the Management Information Systems Program.

State Farm and Indiana State have had a long, prosperous partnership. In addition to this gift, the State Farm Companies Foundation has contributed a total of \$378,000 to Indiana State initiatives over the past few years. These dollars have supported the formation of the College of Business’ Career Experience Center, its Executive-in-Residence Program, the Management Information Systems Computer Laboratory, student scholarships, and insurance best practices research, among other things. ●

# Theater Students/Alumnae Win Playwriting Competition

**L***eavesakes*, a play written by Indiana State University alumna Rachelle Martin, has won the Association for Theatre in Higher Education (ATHE) and the Kennedy Center/American College Theatre Festival (KC/ACTF) playwriting competition.

The play, set in a graveyard, provides audience members with a glimpse into the posthumous “lives” of three deceased persons in search of eternal peace—the teenage boy who ended his life prematurely, a feisty old woman whose

was performed at the Region III Kennedy Center American College Theater Festival at Illinois State University in Normal, Illinois this past January as one of nine chosen from 59 entries in a five-state region. It also was a semi-finalist for the National Student Playwriting Award, the only play by an Indiana playwright to make it to that level.

In addition, ISU student Karl Barnebey won second prize in the KC/ACTF one-act play category for his play, *The Captain and the*

*Sweetie*. Every year since 2003, an ISU playwright has won first, second, or honorable mention in this category. No other university in Region II has come close to this accomplishment during the past four years.

The Association for Theatre in Higher Education, the largest professional organization of its kind in the United States, actively supports scholarship through teaching, research, and practice and serves as a collective voice for its mission through publications, conferences, advocacy, projects, and collaborative efforts with other organizations. The

Association’s 1,800 members include post-secondary faculty in theatre and related fields, graduate students, and theatre and performance artists in universities, commercial venues, and community-based and alternative theatres. Organizational members include theatre departments at colleges and universities, training conservatories, and many theatres. ●



A scene from *Leavesakes*.

husband has fallen in love with another woman, and a retired man responding to changes in his beloved wife as she finds a new partner. The play was directed by ISU Department of Theater chairperson Arthur Feinsod.

Originally written in fall 2004 for an advanced playwriting course, the play was performed at ISU twice as a staged reading before its full production run in November 2005. *Leavesakes*



# Philharmonia A Vent Releases CD's

**P**hilharmonia A Vent, an Indiana State University ensemble, has released two recordings in less than one year for internationally-known Klavier Music Productions.

The ensemble, co-founded by conductor and ISU professor of music John Boyd and internationally-acclaimed conductor Frederick Fennell, combines the British band tradition with the American town band and the distinct 20th century American orchestral wind/percussion sound.



ISU music faculty members Sarah Burk and Joyce Wilson are two of many faculty members who participate in Philharmonia A Vent.

*Laude*, featuring the music of influential educator, conductor, and composer Howard Hanson, was recorded June 2005. In addition to its title track, listeners can enjoy *Chorale and Alleluia*, *Dies Natalis*, *Centennial March*, and *Merry Mount Suite*, a tribute to Fennell, who passed away in December 2004.

*Merry Mount*, Hanson's only opera, was re-arranged by Boyd in 1998 in honor of Fennell's 85th birthday. Boyd's version of the opera had its world premiere by the ISU Symphonic Wind Ensemble under the direction of Fennell.

The ensemble's recording sessions provide area students with an unique learning opportunity. Students from area high schools and Vincennes University have observed the recording process from the control room in the Tirey Hall basement.

Philharmonia A Vent is a professional ensemble in residence at ISU. It consists of woodwind, brass, and percussion players from surrounding universities, the University of Missouri, the Terre Haute Symphony, and central Indiana musicians. ISU Department of Music faculty members Paul Bro, Joyce Wilson, Randy Mitchell, William Denton, Chad Roseland, Sarah Burk, Brian Kilp, Jimmy Finnie, Daniel Kelley, and Alex Lapins serve as the ensemble's nucleus. ●

*Ghosts*, recorded in ISU's Tilson Music Hall in August 2004, features Richard Rodney Bennett's *Morning Music*, *Ghosts* by Stephen McNeff, Gustav Holst's *Capriccio*, and *L'Homme Arme Variations* by Christopher Marshall.

# ISU Staff Members Win Regional CASE Awards

Indiana State University received four awards from the Great Lakes District of the Council for the Advancement and Support of Education at its annual meeting in Chicago, Illinois.

Silver medals went to Teddy Lenderman, coordinator of special events in the Office of Alumni Affairs, for excellence in individual special events, and to Teresa Exline, Mark Edwards, Dave Taylor, Maria Greninger, Mark Gibson, Paula Meyer, Tony Campbell, Bob Bruce, and Tracy Ford from the Office of Communications and Marketing for best video public service announcement and commercial spot.

Edwards, Ford, Bruce, and Greg Goode, executive assistant to the president for external relations, also received a Teresa Du Bois Exline Award for Best Practices in Communications and Marketing Bronze Award for their work in

producing a DVD to support the University's capital budget request. In 2004, the CASE District Board named the best practices award in Exline's honor in appreciation of her work in establishing the district awards program.

Taylor, Bruce, and Ford also picked up a Bronze Award for Best Video Feature for a package produced for the weekly *Royce Waltman Show*.

At the conclusion of the district conference, Exline began a two-year term as chair of the CASE V District Board of Directors. CASE V includes more than 400 educational institutions from throughout the Midwest and hosts the largest CASE conference in the country for fundraising, alumni relations, and communications and marketing professionals. ●

## Investment Club Takes First-Place

The Indiana State University Investment Club took first-place honors in the annual Oak Associates Investment Contest out of 24 universities from the Midwest. The club has received numerous recognitions in the contest since Tarek Zaher, professor of finance, began supervising it in 2001.

"We use much of our own personal experience in the classroom," said Zaher. "I let students bring in everyday bits of information about the real markets and investment issues and have them work on real portfolios. So much is gained through practical experience and experiential learning. Because of this, students have shown great interest in the club and its activities." ●





Sally J. Hunter

**S**ally J. Hunter, senior internal auditor at Indiana State, has earned certified fraud examiner designation from the Association of Certified Fraud Examiners. To earn this designation, Hunter completed course work and passed certification examinations in criminology and ethics, fraudulent financial transactions, legal elements of fraud, and investigations techniques. ●

**W**ISU, Indiana State University's student-operated radio station, won first place for the second year in a row in the Indiana Association of Student Broadcasters' imaging contest. In addition, two ISU students won first and second places in the IASB video spot production competition. This marks the second time in two years that ISU students have snared the top spots in this contest. ●

## Clueh Receives Lifetime Achievement Award

**D**uane Clueh, former two-sport athlete and coach at Indiana State, received the Lifetime Achievement Award during the 2006 Missouri Valley Conference Athletics Hall of Fame induction ceremony.

Clueh is perhaps one of the most famous athletes and coaches in the annals of Indiana State history. A noted basketball and tennis star while attending ISU, Clueh returned to his alma mater in 1955 to coach those two sports to numerous championships. He also devoted much of his time to teaching duties as an associate professor of physical education.

One of Indiana State's all-time great basketball players, Clueh is a member of the NAIB All-Time Basketball Team as well as being a member of the NAIA Hall of Fame. He was the Most Valuable Player of the NAIB National Tournament in which ISU was runnerup to Louisville. Equally as talented in tennis, Clueh won the Little State singles championship in Indiana while at ISU.

Clueh was four times selected as the Indiana Collegiate Conference Coach of the Year in basketball and served as president of the National Association of Intercollegiate Athletics Basketball Coaches.

A former professional basketball player for two years, he led ISU to two post-season NCAA Small College Basketball Tournament appearances. ●



Duane Klueh, former two-sport athlete and coach at Indiana State University



# Alumni Recognition

## ISU Alumnus Named Disney Teacher

**S**elected as a Disney Teacher of the Year for 2006, Douglas W. Dillion joins an elite group of less than 600 teachers nationally who have been selected as recipients of this prestigious award from the Walt Disney Corporation. Dillion's selection recognizes his dedication to his students and his innovative teaching style.

From the beginning of his teaching career at Honey Creek Middle School in Terre Haute, Indiana in 1993, Dillion has developed a variety of unique educational programs and been a leader in the promotion of technology education. In addition to his teaching duties which include seventh and eighth grade exploratory technology courses, Dillion has coordinated the school's peer-tutoring technology program, served as the advisor for the Technology Student Association, emceed school pep sessions, and coached the 1994-2000 track teams and the 1999-2005 basketball team.

Outside the classroom he has participated in local and state activities serving as a coordinator of Tech Town USA, which involved authoring curricula texts and supervising student displays at state and national industry events; authoring Technology Education Curriculum Crosswalks

Activities standards for the Indiana Department of Education; and serving as a member of the Technology Education Curriculum Committee of the Indiana Department of Education. Other professional activities have included serving as chair of the Education Committee for the Indiana Builders Association and as a member of the Advisory Committee of the Home Builders Institute in Terre Haute and the State of Indiana, and on the Board of Directors of the National Association of Home Builders.

One of Dillion's innovations has been the creation of Best U Foundation, a national non-profit foundation he developed to assist middle level technology education and high school career and technology education programs. Best U focuses on the development of creative technology education activities, implements technology curriculum activities, supplies national speakers, and offers a web site that includes curricula and teaching aides. Dillion also developed Project LITTER, a ten week recycling program taught by Indiana State University technology students that involved students, parents, and city officials of Terre Haute. He also created Bee Tree, an anonymous Christmas gift program to help families in need, and directed Philanthropies, Student

...come to Technology....  
Where Standards Meet Careers

MR. DILLION



ISU alums Doug Dillion and  
colleague Ken Amos



Council at Honey Creek Middle School. Dillion is frequently asked to speak at local and state conventions and meetings, and has served as a consultant on education related issues.

In addition to his selection as a 2006 Disney Teacher and an Indiana State University G.O.L.D. Award recipient, Dillion was the International Technology Education Association National Program Excellence Award winner, a National Association of Home Builders National Associate of the Year nominee, and the Indiana Builders Association Don C. Cassidy, Senior Associate of the Year for Indiana in 2005.

Dillion graduated from Indiana State with a bachelor of science in industrial technology education in 1993, and completed his masters of science degree in education at ISU in 2002. He and his wife Terri have a daughter, Olivia, and a son, Douglas. ●

Distinguished Alumni Awards are presented annually at Homecoming in recognition of notable achievement of living alumni who have been outstanding in their professional achievements and/or made significant achievements or contributions benefiting their community, state, or country. Indiana State University first presented Distinguished Alumni Awards in 1957.

# Distinguished Alumni Award 2005 Recipients



Beth Konrad

**D**istinguished Alumni Award recipient Beth Konrad began her journalism career at Indiana State University as a program host/newscaster for the University's public radio station, WISU-FM in 1969.

After completing her bachelor of science degree in 1972 with majors in radio/television and speech, she was hired by Network ABC FM in Chicago, Illinois as one of the first women network anchors in the United States. In 1973 she moved to Detroit, Michigan where she became the morning drive anchor and an investigative reporter for WRIF/WXYZ Radio. Between 1975 and 1979 she continued to work in radio in Detroit and San Francisco, California. Switching to television, Konrad was selected as director of public affairs and editorials for WDIV TV Channel 4 in Detroit. She continued to work in Detroit until 2002 holding positions as vice president of community resources and program development for PBS-WTVS, Channel 56, and senior vice president and director of public affairs for Bank One Corporation. In October 1995 she helped establish Konrad & Moore, Inc., a firm specializing in communications consulting, strategic planning, media, and presentation training. Konrad continues as president of the firm.

In August 2002, Konrad took a full-time teaching position in the Communication Department at Loyola University Chicago where she teaches broadcast journalism, communications process and practice, and interviewing, and does research in the future of public television, past and future use of broadcast editorials, and the ethics of interviewing minors.

Konrad has been active in professional organizations on a state, regional, and national level including the Executive Club of Chicago, the Radio-Television News Directors Association, the Broadcast Education Association, Chicago Headline Club, and the Society of Professional Journalists.

Her journalistic skills and public services have been recognized by numerous awards including the Detroit City Council Spirit of Detroit Award, the Michigan Association of School Boards "School Leaders Build Student Achievers" Award, and the National Council on Alcoholism Lamplighter Award for Distinguished Service. She also received a Society of Professional Journalists Distinguished Service Award, National Headliners Award/Best Documentary, and numerous state and local awards for reporting. ●





William L. Lister

William L. Lister has over 30 years of marketing, management, and leadership experience in the pharmaceutical field. Lister, who earned a bachelor of science degree in management from Indiana State University in 1966 and a masters of science in marketing in 1967, was initially employed as associate alumni director at his alma mater. He left the University in 1973 to begin his career in the pharmaceutical industry with Eli Lilly and Company.

In 1987 Lister took a position with Boehringer Mannheim Corporation as director of the business unit responsible for marketing and sales of the company's cholesterol screening equipment. For the next nine years he served the company as vice president of sales and marketing and senior vice president of marketing and sales.

In 1993 he was named senior vice president of diabetes care, commercial operations for North America, and in 1994 was promoted to senior vice president and general manager as part of the team responsible for overseeing all diagnostic and biochemical operations in the United States. When Boehringer Mannheim and Roche Diagnostics Corporation integrated in 1997, Lister oversaw that process for Boehringer Mannheim's point-of-care diagnostic operation.

Lister is a board member of the American Diabetes Association Research Foundation and the Linden Life Science Management

Resource Board, and was appointed in July 2005 by Indiana Governor Mitch Daniels to the board of the Indiana Health and Educational Facility Financing Authority. He has also served on the board of Roche Diagnostics Corporation; Desetronic Medical Systems, Inc.; Starlight Musicals; and the Indiana Chamber of Commerce. Lister was named a Sagamore of the Wabash in 2004, selected as the first recipient of Roche Diagnostics Corporations Leadership Award in 2001, and was inducted as an honorary member of Beta Gamma Sigma National Honorary Business Fraternity. He was also the honorary chairman of the Josiah Kirby Lilly, Sr. Distinguished Service Award Event and was recognized by Indiana State University's College of Business as Outstanding Alumni in 2001. In 2004 Roche Diagnostics created the William L. Lister Award to be presented annually at its national meeting. ●



Cynthia Rose  
Powers

middle school. Powers also co-chaired a two-year capital campaign that resulted in \$4 million dollars being raised to build a new YWCA in Gary, Indiana.

She is active in her church, the First African Methodist Episcopal Church, and for over ten years has coordinated a youth choir of 30 to 40 teenagers. ●

**P**resident of Century 21 Powers Realty, Inc. in Gary, Indiana since 1970, Cynthia Rose Powers earned a bachelor of arts in English in 1969 and a masters of science degree in 1970 from Indiana State University. The year she completed her masters degree she also became a licensed real estate broker.

In her 34-year real estate career she has been dedicated to ensuring open and integrated housing opportunities in northwestern Indiana. She and six other Gary, Indiana realtors have worked to allow African American realtors open access to the Multiple Listing Service Organization. Powers was a board member and president of the Northwest Indiana Multiple Listing Services and Board of Realtors, and a first vice president of the Indiana Association of Realtors. She is an active civic and culture leader who is involved with a number of agencies including Trade Winds Rehabilitation Center; Bank Calumet, Inc.; The Discovery Alliance; Northwest Indiana Quality of Life Council; Drifting Dunes Girl Scout Council; Willowglen Academy; and Hospice of the Calumet Area.

Powers has also dedicated hours to motivating and mentoring young people and young professionals. For three years she coordinated a mentoring program for the Northern Indiana Chapter of Links, Inc., an organization developed to assist at-risk youths at a local





Josue (Joe)  
Robles, Jr.

He is an active member of his community and serves on the boards of many civic and nonprofit organizations. Included in his volunteer activities are the Christus Santa Rosa Children's Hospital Foundation, Alamo Area Council of the Boy Scouts of America, The Texas Center for Autism Research and Treatment, and the Northeast Educational Foundation. ●

**D**istinguished Alumni Award recipient Josue (Joe) Robles, Junior served America in the military for 28 years. He continues to serve those who serve our nation through his work at USAA, a company created to provide military members and their families with financial security and products.

Robles, who earned a masters of business administration at Indiana State University in 1979, was born in Puerto Rico. He joined the United States Army and had a successful career in a variety of command and staff positions in Korea, Vietnam, and Germany, and participated in Operations Desert Shield/Desert Storm in the Middle East. His most recent appointment was as director of the Army budget and commanding general of the 1st Infantry Division.

After retiring from the Army as a major general, Robles joined USAA in 1994 as special assistant to the chairman. He was named chief financial officer and assumed the duties of corporate treasurer the following year.

In these positions Robles is the chief steward of USAA's portfolio of owned and managed assets and directs the association's activities in all aspects of financial management and planning. Robles also serves as the primary liaison for the Finance and Audit Committee of the USAA Board of Directors.

The purpose of the G.O.L.D. (Graduate of the Last Decade) Award is to provide recognition for the outstanding achievements of Indiana State University graduates of the past ten years.

## G.O.L.D. Award 2005 Recipients



Scot E. Elkins

After completing two degrees at Indiana State University, Scot E. Elkins began an exciting career in automotives that has focused mainly on racing. His career began with Barber Dodge Pro Series in Lakeville, Connecticut as a race/data acquisition engineer responsible for analyzing data on chassis set-up for a fleet of 30 race cars. In 1999 he moved to RM/Conti Racing in Indianapolis to oversee all testing functions of that company's Indy Racing League race team. Between 1999 and 2005 he held positions of business unit manager, engineering team manager, and manufacturing engineer with racing teams, auto manufacturing, and research companies. Currently he is director of technology at Champ Car World Series in Indianapolis, Indiana. In this position Elkins serves as technical director for the open wheel

racing series throughout the United States, Canada, Asia, and Australia which includes the responsibilities of overseeing new track layouts and simulation. He is also chairman of the Technical Rules Committee, Managing Manufacturer/Supplier Relations.

Elkins is a member of the Society of Automotive Engineers, a life member of the Indiana State University Alumni Association, and on the Automotive Technology Advisory Committee for Indiana State's College of Technology. He has given presentations on data acquisition systems and sensor usage and development in motor sports at the SCCA Run-Offs National Championship, and at the Hampton Roads Technology Council Sensor Science and Technology Forum.

Elkins completed an associate of science degree in manufacturing supervision at Indiana State in 1996 and a bachelor of science degree in manufacturing technology in 2000. ●





Dr. Mary Ann  
Hanner

**D**r. Mary Ann Hanner completed her doctor of philosophy degree in educational administration from Indiana State University in 1994 while employed at Eastern Illinois University. She had previously earned masters and bachelors degrees at that university in speech pathology and speech pathology and audiology.

Since 1972 Hanner has been a hands-on practitioner, an educator, and an administrator. She began her professional career as a speech-language pathologist in the Illinois public school systems. After almost ten years in the public schools she moved into higher education, joining the faculty of the Department of Communication Disorders and Services at Eastern Illinois in 1981. In 1985 she was selected as director of the university's Speech-Language-Hearing Clinic and held that position until 1997. During her tenure as the clinic's director she added the responsibilities of acting associate dean for the College of Sciences in 1994-1995. Three years (1997) after completing her doctoral degree she was selected as chairperson of her academic department. She served in that position until 2000. In 2001 she was named acting dean of the College of Sciences and became dean of the college in 2004.

Hanner holds memberships and is active in numerous professional organizations including

the American Speech-Language-Hearing Association; the Illinois Speech-Language-Hearing Association, of which she was president in 1997-1998; the Association for General and Liberal Studies; and the National Association for Women in Education. She has given presentations at conferences and professional meetings and has also written and contributed to books, tests, and tapes focusing on language processing, remediation, and enhancing clinical skills.

At Eastern Illinois University she has been involved in administrative and academic committees including search committees, curriculum committees, alumni relations, academic advising, and research. Hanner has also been active in her community serving as an appointed member of the Coles County Sheriff's Merit Commission, and as chair of the Oakland Community Unit School District #15 Building Fund Referendum Steering Committee. She is a member of the Coles County Historical Society and St. John the Baptist Catholic Church.

Hanner has been recognized as a leader in her field and community. She has received a Graduate Student Mentor Award, Faculty Excellence Award for Service, and a Women of Achievement Award from Eastern Illinois University. From Indiana State University she received the Fred A. and Joyce E. Snyder Outstanding Dissertation Award and was the recipient of the Edgar L. Morphet Research Scholarship while a student. ●



Jennifer M. Petersen

In a career that began only six years ago, Jennifer M. Petersen has already made a definite mark on her students, her fellow teachers, and the field of education. Petersen graduated in 1998 from Indiana State University with a bachelor of science degree in business education and a minor in information processing.

That fall she began her teaching career with a position as a business teacher at Chesterton High School in Chesterton, Indiana. For the next four years she taught classes in keyboarding, beginning and advanced computer applications, personal finance, and entrepreneurship. She also served as the I.C.E. coordinator and as co-advisor to the high school's chapter of Business Professionals of America. From 1998 to 2001 she was the high school's girls cross country assistant coach and in 2000 and 2002 helped the middle school's girls cross country team win the runner-up position in their conference.

In 2002 she moved to Ben Davis High School in Indianapolis, Indiana where she taught computer applications, personal finance, advanced and computerized accounting, business mathematics, and CADET teaching. Her involvement in athletics and extra-curricular activities continued at Ben Davis where she is the head girls cross country coach and advisor to the school's Business Professionals of America.

Petersen is active in professional organizations and served as vice president, president-elect, and president of the Indiana Business Education Association. She is also a member of the National Business Education Association; Pi Omega Pi business education major honorary; the Indiana Association of Track and Cross County Coaches; and the Indiana Coaches of Girl's Sports Association.

Her dedication and concern for her students and her profession have been recognized by her nomination for the Ben Davis Teacher of the Year Award in 2005 and her invitation to be an honored guest of the school's National Honor Society in 2004. She was also selected in 2004 by one of the school's top 30 students as the teacher who most influenced their school life. While at Indiana State University she earned the 1998 National Business Education Association Award of Merit, a forerunner of her selection as the 2002 North Central Business Education Association Distinguished Service Award Emerging Professional of the Year Award. ●



Keith T. Richards

**K** eith T. Richards has proven himself to be an accomplished business leader in the fields of new product development and quality management systems. Richards completed a bachelor of science in business administration and quality and decision sciences with cum laude honors from Indiana State University in 2000. Since then he has been employed with Crown Equipment Corporation where he has steadily progressed from a manufacturing quality engineer at the Greencastle, Indiana plant to responsibilities as a quality systems administrator at the corporate level and as a program manager for North America at the New Bremen, Ohio plant.

He led the implementation of Crown's TQM system in the United States, Mexico, and Europe, involving 3,000 employees, and also led the implementation of a competency testing and training program that affected over 2,000 employees. Richards was also responsible for identifying and executing product initiatives and managing all aspects of product release from engineering to sales.

He is currently a program manager for Crown's global market, working out of the Cilena, Ohio office. In this position, one he has held since January 2005, he is developing a product line strategy and implementation plan for global product introduction. He is also directing a multi-million dollar project involving Europe and the United States.

A three-year letter winner in football at Indiana State, Richards was the recipient of an athletic scholarship, an academic scholarship, and an Alumni Association Scholarship; was named to the Missouri Valley Conference All Conference Academic Team; and was selected as a GTE Most Outstanding Student Athlete. Richards was co-founder of the Indiana State chapter of the Quality and Decision Systems Organization, and served as the group's president. Richards was also vice president of Alpha Lambda Delta Honor Fraternity, and president of Pi Kappa Alpha Fraternity. He is a member of the American Society for Quality and the American Marketing Association and a RAB registered system auditor. ●





Campus Snapshot:  
ISU Homecoming Parade

Alumni Recognition





# Ebony Majestic Choir

"It was the anchor for me at Indiana State. It kept me grounded. It gave me somewhere where I felt I belonged."

—Eric Hence  
1996 ISU alumnus

# Reuniting in Sweet Harmony

Spanning more than three decades, approximately 200 past and present members of Indiana State University's Ebony Majestic Choir gathered last fall to fill Terre Haute's Hulman Center with the sweet sounds of gospel music.

Past musicians Paulette Spicer, Delwin Murphy, and current director Nathaniel Truedell served as lead musicians for the concert. In addition to reconnecting with classmates and the University, the group performed gospel music dating back to its roots in the early 1970s.

Truedell, who has served as the choir's director for 18 years and has taught two generations in some families, said the group's legacy is that of a large extended family.

"We instill in them this is a family. They feel that camaraderie. They call me Pop, they call me Dad instead of Mr. Truedell," he said. "I've seen people that I haven't seen in years and they still call me Dad. It's a good feeling."

Truedell said this first-ever reunion was definitely something special.

"It was absolutely awesome to see the young people performing along with alumni. To see that camaraderie and to see the young people listening to the older people it was just an awesome thing," Truedell said.

In 1972, a group of students living in Reeve Hall combined their ideas and their voices to form the Ebony Majestic Choir. Active both on campus and in the community, the group has performed with the Famed Fisk Jubilee Singers, across the nation, and beyond, including a performance in the Caribbean Islands.

Truedell, who also teaches at Indianapolis Broad Ripple High School, was surprised at the

response he received from choir alumni once word of a reunion got out.

"When the word went around Indianapolis, it was unbelievable. My phone rang day and night," Truedell said.

The experience as a member of the Ebony Majestic Choir family holds a special place in the heart of Eric Hence, a 1996 ISU alumnus living in Atlanta, Georgia.

"It was the anchor for me at Indiana State. It kept me grounded. It gave me somewhere where I felt I belonged," he recalled.

That sense of belonging is due in large part to the mentoring he received from a fellow choir member.

"I met a guy by the name of Charles White, who was an associate director of Lincoln Quad. He was in the choir. He took me in as a mentor, showed me around, and helped me get the things I needed taken care of while in college," Hence said.

Realizing the full impact of that experience, Hence returned the favor by mentoring two other choir members. These experiences became life-long friendships, not only with his mentees but with many members of the choir. ●

Past and present members of the ISU Ebony Majestic Choir perform together on one stage.







# Commencement

# Service and Scholarship Recognized at Commencement Ceremonies

A civil rights champion and advocate of social causes, J. Patrick Rooney was recognized with an honorary doctor of laws degree during Indiana State University's spring commencement.

Since 1976, Rooney has led the fight against discrimination in the field of insurance. That year he filed what became an eight-year lawsuit against the State of Illinois and Educational Testing Services charging intentional discrimination against minority applicants taking insurance agent testing. The case was settled with a precedent-setting agreement that requires a method of examination designed to eliminate unnecessary racial disparities.

Rooney's concern for social justice received national attention in 1991 when he founded the Educational CHOICE Charitable Trust in Indianapolis. The trust provides tuition assistance to Indianapolis' center city lower income students whose families prefer their children attend a non-government school of their choice.

Rooney's establishment of the CHOICE Trust started a ripple affect across the country. His initiative has contributed to the development of over 60 such programs that provide over 53,000 students privately funded educational choices. Due in part to this innovative support of minority education, Rooney was selected as Citizen of the Year by the Hispanic Education Center in Indiana in 1996.

Chairman and chief executive officer of Golden Rule Insurance Company for more than two decades, Rooney built the company into one of the nation's leaders in the health insurance market and guaranteed its success as the largest insurer of individual health insurance policies in

the country. After retiring from Golden Rule, Rooney acquired the Medical Savings Insurance Company, where he now serves as chairman and chief executive officer.



J. Patrick Rooney (left)

As leader of Medical Savings Insurance, Rooney again gained national attention in 1991-1992 with a proposal to solve the nation's health care crises. His proposal called for the creation of medical savings accounts that would control medical costs while providing Americans with affordable health care based on tax fairness.

Statistics show that since implementation of this program, more than 73 percent of those who now have individual medical savings plan are Americans who previously had no insurance. No other program has been as successful in reducing the number of uninsured in America. Today, health savings account programs based on Rooney's program are taking over the health insurance market in America. ●

# President's Medal for Leadership, Scholarship, and Service



Audrey Joelle  
Dervain

places in five honor societies: Alpha Lambda Delta, Golden Key International Honor Society, Phi Kappa Phi Honor Society, Pi Mu Epsilon, and Phi Sigma Iota, a foreign language honor society. ●

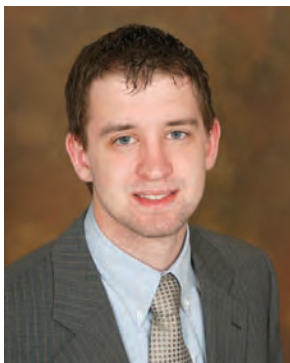
Service to the campus community, together with a host of academic achievements, led to the selection of Audrey Dervain as the winter 2005 recipient of ISU's Presidential Medal for Leadership, Scholarship, and Service.

Born and raised in the west African country of the Ivory Coast, Dervain completed a bachelor of science degree in mathematics with a 3.97 grade point average.

While at ISU Dervain served in leadership roles including treasurer of the African Student Union, treasurer and president of the Sycamore Volunteer Crew, and a senator in the Student Government Association, and was active in the Leader Emerging and Developing Program, a program that provides participants with advice in time management and stress management.

Fluent in French, English, and Spanish, Dervain also served as a tutor at the Student Academic Services Center, helping students in French, Spanish, economics, and chemistry. Her academic accomplishments placed her on the ISU Dean's List since 2002 and earned her





Hobart E. Scales

increase college students' participation in the election process through encouraging registration and voting.

In addition to his government and political activities, Scales participated in the spring 2006 Relay for Life fundraiser; the 2004 Alternate Spring Break trip to Jackson, Mississippi; and as a volunteer at the local 14th and Chestnut Community Center. ●

**F**our years of campus and community involvement contributed to the selection of Hobart E. Scales as the spring 2006 recipient of the President's Medal for Leadership, Scholarship, and Service.

Graduating with a political science/legal studies major and a minor in psychology, Scales earned a 3.46 cumulative grade point average. He was on the College of Arts and Sciences Dean's List in spring and fall 2004. Scales was also a member of Pi Sigma Alpha, the political science honorary fraternity.

Involved in the Student Government Association throughout his time on campus, Scales served as secretary, vice president, and president of the organization. During his tenure as president, he played an active role in obtaining University and state approvals for the construction of a new student recreation center.

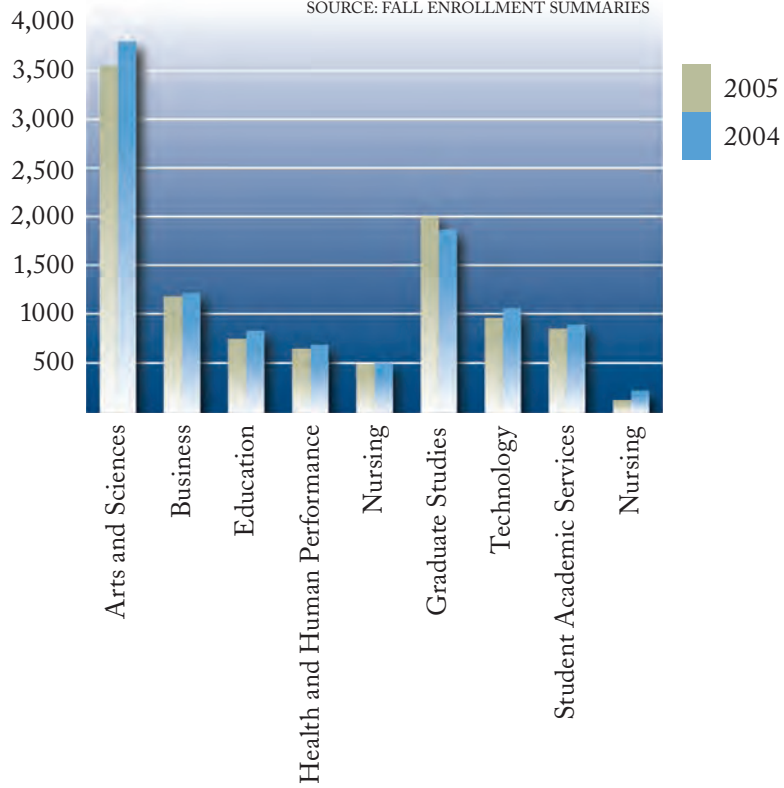
Other campus activities included leadership roles in Indiana State's College Republicans and service on numerous University task forces and committees. He also was involved in the American Democracy Project developed to

# Dashboard Indicators



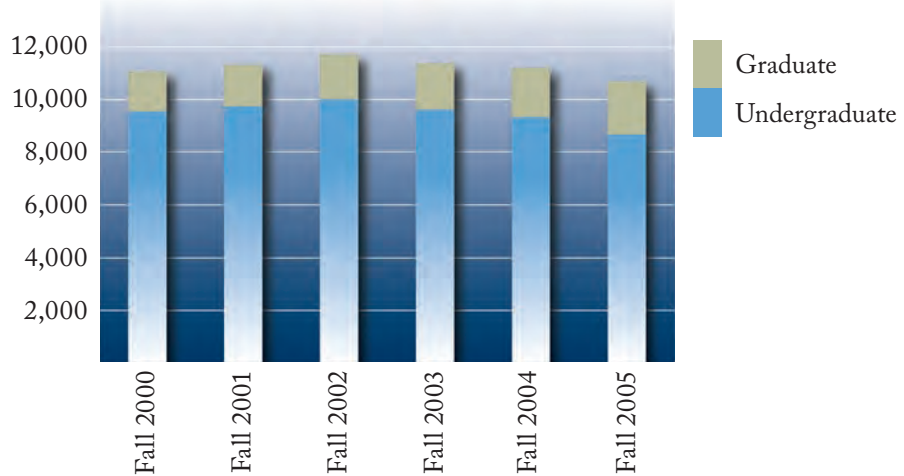
### Fall Enrollment by Academic Unit

SOURCE: FALL ENROLLMENT SUMMARIES



### Overall Enrollment

SOURCE: FALL ENROLLMENT SUMMARIES





## U.S. Minority Students as Percentage of Total Student Population

SOURCE: TEN-DAY OFFICIAL REPORTS

Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
13.2%	13.5%	13.9%	14.8%	14.8%

## Student-Faculty Ratio

SOURCES: FALL FWL REPORTS AND TEN-DAY OFFICIAL REPORTS

Semester	Student FTE	Instructional Faculty FTE	S/F Ratio
Fall 2001	9,639.0	503.1	19.16 to 1
Fall 2002	10,047.1	530.9	18.92 to 1
Fall 2003	9,818.7	562.2	17.46 to 1
Fall 2004	9,609.3	557.1	17.25 to 1
Fall 2005	9,122.3	530.5	17.20 to 1

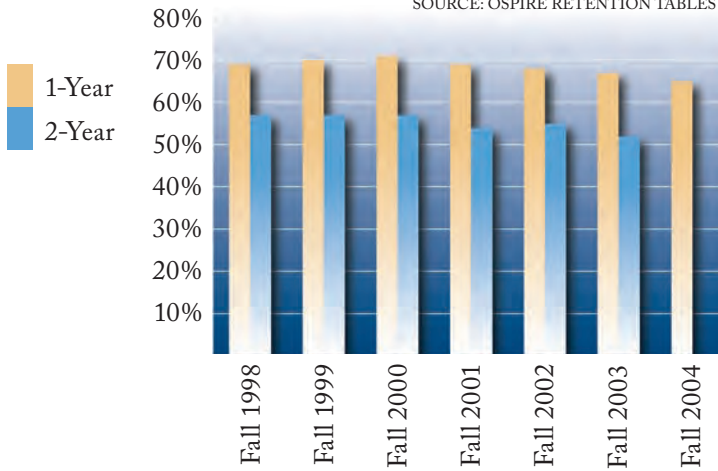
## Actual/Expected Six-Year Graduation Rates

SOURCE:USNWR, "AMERICA'S BEST COLLEGES"

Graduation Year	Predicted	Actual	Difference
1999	28%	38%	+ 10%
2000	30%	36%	+ 6%
2001	31%	38%	+ 7%
2002	33%	41%	+ 8%
2003	35%	39%	+ 4%
2004	34%	40%	+ 6%
2005	36%	39%	+ 3%

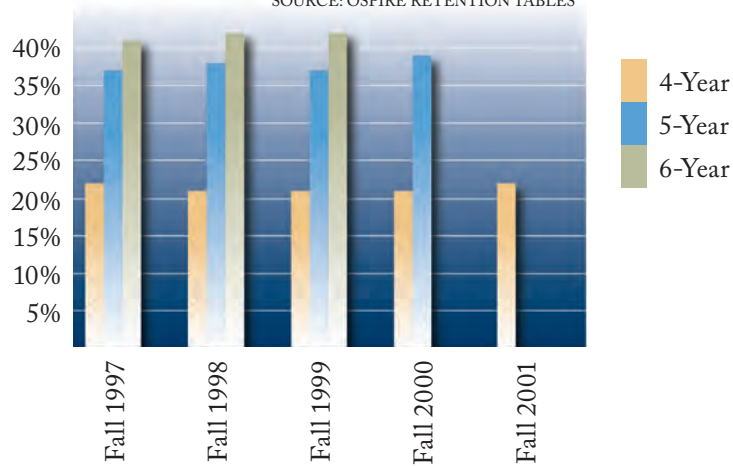
### Retention Rates

SOURCE: OSPIRE RETENTION TABLES



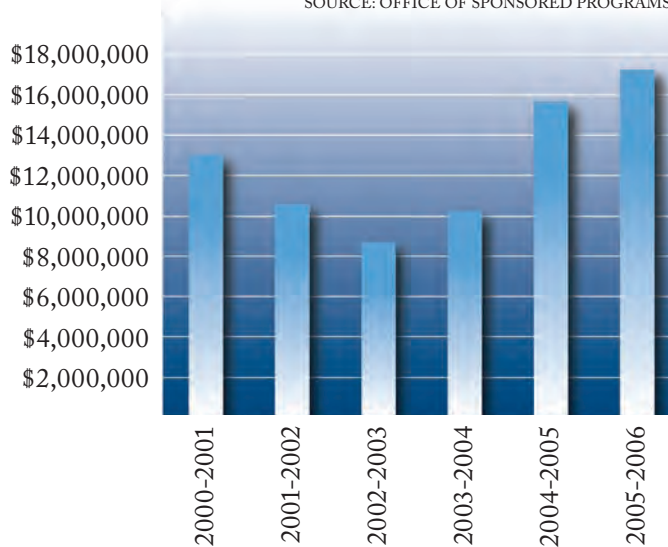
### Graduation Rates

SOURCE: OSPIRE RETENTION TABLES



### External Research Awards

SOURCE: OFFICE OF SPONSORED PROGRAMS



2002-2003 includes a \$20 million Lilly Grant to support the Networks initiatives.



