Undergraduate Research:
STUDENTS SEIZE OPPORTUNITIES

foundations
A PUBLICATION FOR ALUMNI & FRIENDS OF INDIANA UNIVERSITY SOUTH BEND | SPRING/SUMMER 2012
One of the things I am most proud of at Indiana University South Bend is something that people do not hear enough about – undergraduate research. Every day on campus undergraduate students are working with professors on all kinds of research. The professors benefit from having bright students helping them with their research, while the students gain knowledge and experience that will prepare them for careers and graduate school. In this issue of Foundations, you will read about students who have done research on everything from the isolation of arsenite oxidase enzymes to the search for dark matter in the universe.

Not all the action on campus is in the laboratory. On the basketball court this year a set of twin brothers led the Titans to a successful season and a set of cousins twirled at halftime. You’ll read a behind-the-scenes account of touring with the Euclid Quartet and we recognize a retiring professor who passed his love for teaching on to the next generation of teachers who are now in classrooms across the country.

This issue of Foundations also looks at two remarkable students who have not let blindness slow them down, two alumni who are leaders in the community, and a student who wants to make the world a greener place.

As chancellor, I am proud of the achievements of our students, faculty and staff. I hope you enjoy reading their stories. Thank you for your support of IU South Bend.

Sincerely,
Una Mae Reck | Chancellor
foundations

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Ask Kyle and Steven Heatherly how many brothers they have, and they’ll say 10.

The Mishawaka natives are members of the IU South Bend men’s basketball squad, a dozen players who are as much of a family as a team. “Kyle and I are brothers, but on this team we’re all brothers,” said Steven.

“I think that’s what has really helped us have such a great season this year.”
Both juniors, both standing 6-foot-2, Kyle and Steven played starting guards this past season for the Titans. It was the first time they took to the court together since their days at Mishawaka High School.

Kyle is in his third season with the Titans, while Steven transferred this year from Wittenberg University in Ohio.

The duo complement each other pretty well. Kyle is an agile inside shooter and is on track to break team scoring records; Steven, on the other hand, holds the Mishawaka High School record for three-point baskets.

“I love to drive the ball,” Kyle said. “Steven’s more of a straight shooter.” “We both want to push each other,” said Steven. “If one of us is down, the other picks us up, and it carries through the whole team.”

They played two seasons of basketball and football together at Mishawaka, and even shared the court for one varsity game during older brother Craig’s senior year. “We’re definitely a basketball family,” said Steven.

Kyle is a mass communications major, while Steven is majoring in business. Both want to work in a sports-related field when they graduate in 2013. If that sport happens to be basketball, they say, so much the better.

“These two exemplify what it is we’re all about – togetherness and discipline,” said Titans second-year coach Chad Tapp.

The Titans had one of their best seasons in recent years closing the season with a 16-15 record. Among the highlights were victories over rivals Olivet Nazarene University and Saint Xavier University.

But the season ended after the first tournament game. Steven said, “Overall we played well. We played with only seven players. We made up (the short bench) with toughness.”

“We have good chemistry as a team and we’ve grown. We can only get better,” Kyle said.

“They hold each other to a pretty high standard,” said Gary Demski, IU South Bend executive director of athletics and activities. “As they look back 10 or 15 years from now they’ll say, ‘Wow! What a really neat experience it was.’ ”

They’re not the first sibling teammates to put on the red, black and white for IU South Bend. Twin sisters Ashley and Kimmie Hummer played last season for the Lady Titans women’s team.

Between practice and sharing an apartment near campus, the two admit to their share of sibling rivalry. “We know how to push each other’s buttons,” Kyle says, adding with a sly grin that he’s usually the instigator.

“Even if we do get mad at each other,” Steven adds, “five minutes later it’s all better.”

Christopher Bowman is a freelance writer from South Bend.
Two young ladies in red-sequined outfits brightened Titan basketball games this past winter. Cousins Shelby Scott and Ashlee Machowiak twirled during halftime. Both are IU South Bend students. With a rousing song, they got the crowd clapping and often dancing along with the music.

The two have a history of carrying batons. They have participated in the sport since they were three years old, carrying on a tradition started by other twirling members of the family. Then they both went to Washington High School where they also twirled together in 2007 when Shelby was a senior and Ashlee was a freshman.

In addition to high school, the cousins performed with other groups and competitions in the area.

Things changed and Shelby went to college in Indianapolis. Then she decided to move home and attend IU South Bend. Once here, it was natural to join forces with her cousin and start twirling again.

Gary Demski, executive director of athletics and activities, said he was familiar with them from Washington and venues such as the College Football Hall of Fame. “They were a huge hit this year and added a new twist. They are extremely talented.”

They practiced before games but they hardly need the time since they’ve been doing this forever.

“It is fun. We pick upbeat music and songs that everyone knows,” Ashlee said. “We try to complement each other.”

They continue to perform together. And now another generation is coming up through the ranks - a niece has gotten her first baton.
At one point, Deidre Davis’ dream job would have been in Paris. Now, her dream job is in South Bend with the Notre Dame Federal Credit Union. “I thought I’d stay a year but I have no reason to look for a different job,” she said.

She graduated in 1999 in marketing and advertising and then earned her MBA in 2003, both from IU South Bend. She is the vice president of marketing and e-commerce for the credit union.

She was named an outstanding individual under the age of 40 by the St. Joseph County Chamber of Commerce. “Sassy,” a local magazine for career women, put her on its top ten list.

Davis graduated from Penn High School. She started at Purdue University and studied in a design field that then lost its accreditation. After waiting tables at Tippecanoe Place, she decided to go back to college. A friend suggested IU South Bend.

She was always interested in marketing and advertising so she took the plunge.

IN THE BUSINESS PROGRAM, SHE MET EXPERIENCED PROFESSORS WHO WERE INTERESTED IN HER FUTURE.

“THERE IS A LEVEL OF PROFESSIONALISM, ATTENTION AND CONCERN,” SHE SAID.

Davis received her master’s and worked full time. She was uncertain how she accomplished that but she had more energy then, she laughed.

Following an internship at a South Bend marketing firm, a friend told her about an opening for a marketing assistant at NDFCU. “That was 12 years ago and I clearly like it here.” She was the assistant for three and half years.

Today, she oversees the marketing and 13 branches, including the virtual branch, which is a full service call center.

The credit union is connected to the community and Davis believes in the mission to help others. From Logan Center to the Pet Refuge, Cystic Fibrosis Council to Read to a Child, she and the credit union have made a difference.

“The area is a good place to live. The community cares for everyone. When there is a tragedy, people step up. Employees here have the community spirit, as well,” she said.
He’s a student of history, but Mishawaka mayor and IU South Bend alumnus Dave Wood (BA’95) is on course to make a little of his own.

Wood has always been interested in local history, and his understanding of Mishawaka’s past plays a big part in his vision for its future. “This city has always figured prominently in northern Indiana history,” he said. “And it continues that role today.”

A fifth-generation resident of the Princess City, he entered local politics in 2000. It was something he had a taste of as a teenager, when his grandfather served as a county councilman. Wood helped with his grandfather’s campaign and worked at the polling stations.

“My friends always thought I’d end up in politics one day, but I never gave it much thought after that,” he said. That is, until an issue affecting his neighborhood rekindled his political fire.

He started to be actively involved in issues. After that, a couple of friends asked him to run for city council. He signed up to run at the last minute, and with a $2,000 campaign budget took on the favored incumbent and won.

Wood was chosen to be the mayor in September 2010 by the local Republican Party to take over for former Mayor Jeff Rea when he accepted a job to be the executive director of the Chamber of Commerce of St. Joseph County. Wood won last year’s city election, and was sworn in as mayor in January.

“I want to be known as having a servant’s heart, and I want to leave the city better off than where I found it,” he said.

He credits his time at IU South Bend for giving him the skills to fulfill his vision. “I wanted to study something that meant a lot to me,” he said. “My time at IU South Bend taught me how to research, think critically, to value the community we’ve inherited, and understand how it came to be this way.”

Wood has received several honors for his service, including the Ernestine M. Raclin Community Leadership Award. He has also received special recognition from both the Federal Home Loan Bank of Indianapolis and the St. Joseph County Human Rights Commission for his contributions to economic development and affordable housing, two issues that are at the top of his agenda as mayor.

Wood continues his strong relationship with IU South Bend as a member of the Advisory Board. “IU South Bend is a true community university in every sense of the word,” he said.
A MONTH IN THE LIFE OF THE EUCLID QUARTET

TEXT LEE STREBY // PHOTO ANTHONY TAHLIER
From teaching to a road tour, and then from recording to outreach performances, the Euclid Quartet, IU South Bend’s quartet-in-residence, is always busy making beautiful music.

The camaraderie and high spirits make the touring nearly effortless for first violinist Jameson Cooper, second violinist Jacob Murphy, violist Luis Vargas and cellist Si-Yan Darren Li.

For a month beginning in late January they performed in varied venues in Alabama, Florida, Michigan, Ohio and Missouri. They experienced the joy of performing, great reviews, champagne receptions, coaching young students, warm applause, their first billboard, and lots of together time.

Early on the trip, they saw the billboard when they were traveling from Atlanta to Enterprise, Ala. As they crossed the state line into Alabama, “Imagine our surprise when we spotted our first highway billboard. We had to stop and take a picture with it,” Murphy said.

On the road, they have had issues with hotels, food and what to do with cellist Li’s instrument. He has to buy an airline ticket for it. Once it is on the plane, every flight attendant has a different idea where it should be stowed or strapped into a seat. It also has been bumped to first class. Murphy joked, “We laughed that the cello got free drinks, but poor Si-Yan did not.”

Occasionally there are accommodations in private homes. There have been special adventures in palatial homes along Lake Michigan to a pink bedroom where the little girl was moved out in favor of a violinist.

An advantage to any trip is the chance to see other great performers and music programs. While in St. Louis, they were invited to the Webster University Community Music School. The artists were impressed by the outstanding program they found there, that could be used effectively elsewhere.

“This foursome reminded me not just of the Emerson but the Tokyo String Quartet, and it might be that they deserve to rank in that august company.... We were, after all, in the presence of great artistry.”

– Rex Hearn, music critic, Palm Beach ArtsPaper

THE QUARTET HAS "WONDERFUL INTENSITY, INSIGHT, AND COMMUNICATIVE STRENGTH."

– Ara Guzelimian, senior director and artistic advisor, Carnegie Hall
Also in St. Louis, the Euclid participated in a “Chamber Music Blitz,” two days of intense coaching and teaching, and they rehearsed for concerts featuring two world premiere quintets—one with piano, and one with clarinet. Vargas described the visit as a “fun but edge-of-your-seat experience.”

The quartet has been a mainstay of the IU South Bend music department since arriving in 2007. Formed in 1998 at Kent State University in Ohio, the original foursome chose its name after Euclid Avenue in Cleveland, the home of the Cleveland Orchestra. Two of its founding members still play in the ensemble today: Cooper and Murphy.

Violist Vargas joined the quartet in 2001, and cellist Li joined in 2009. The fact that the Euclid's current members have British, American, Venezuelan, and Chinese heritage is coincidental; however the diversity is an asset as artists and educators.

Cooper, Murphy, and Vargas said they found a long tradition in South Bend for the support of chamber music. “The Fischoff originated here. We feel valued here. The IU South Bend administration is a great team, very supportive, and respectful of what it takes to be a world-class ensemble,” Cooper said.

As professors, all four members of the quartet maintain full-time teaching loads, between them teaching an average of 10 private students each semester. They also direct the chamber music program, as well as a performance lab and master class program for all music majors. Cooper also conducts the IU South Bend Philharmonic Orchestra.

To prepare for performances, the Euclid Quartet rehearses approximately 15 to 20 hours per week. They perform an annual concert series at IU South Bend with four or five concerts each year, one that usually includes a special guest artist. They perform frequently in the community.

They coach for the Fischoff Chamber Music Competition and lead music education programs in Mishawaka schools. They have launched and completed numerous special projects, such as their American Masterpieces project that was funded by the National Endowment for the Arts.

It is a busy life, on and off the road.

This summer, the quartet will release their second volume of Bela Bartok’s string quartets featuring Nos. 1, 3, and 6 on Artek Records.
Retired IU South Bend speech professor William “Bill” Gering died Feb. 8, 2012, in South Bend. Arriving on campus in 1965, Gering was the first full-time speech professor on campus and over the next 25 years, he developed many of the elements of today’s speech program, including the long-running Speech Night competitions. This April marked the 30th year for the event.

He and his wife also established the William L. and Lucille E. Gering Scholarship for students in communication studies. The scholarship was created to continue Gering’s legacy as an educator. Their wish was to provide students with the opportunity to have speech as a basic subject, continuing the university’s mission, and encouraging others to donate to Indiana University South Bend.

Gering valued the rhetoric of public speaking origins, which was reflected his admiration of the classic Greek scholars, such as Cicero. He believed in the relevance of the classics in today’s classroom.

Adjunct instructor Craig Hosterman, who worked with Gering for 11 years in the late 1970s, recalls “He was born to be a teacher but reached out to his students beyond the role of educator. He was a mentor, of sorts … to me and students. He encouraged people to learn about listening, which pushed the envelope in our field at the time. His approach to public speaking was to touch the situation the way the masters would.”

His educational experience started in a one-room country school in South Dakota. Gering obtained a bachelor’s degree from Bethel College, North Newton, Kan., in 1951. Four years later in 1955, he earned a bachelor’s degree in divinity from Bethany Biblical Seminary in Chicago. While at the seminary, he received a one-year scholarship to study at the University of Mainz in Germany.

He taught at Bethel College in Kansas from 1963 to 1965. He completed his doctorate in speech communication in 1965 at the IU Bloomington campus. Gering was also a member of the Speech Association of America, the American Association of Parliamentarians, and the International Listening Association.

Gering retired from teaching in 1989. He enjoyed collecting primitive and antique tools to educate and share with fourth-grade students in Mishawaka public schools.

Naomi Keeler is an IU South Bend graduate in Communication Studies.
Ignasi Cambra is a young man with a passion for his music, according to Jorge Muñiz, associate professor of music. “His music never leaves you indifferent – from Mozart to Brahms, it is always very sincere and passionate.”

“Ignasi has a fire in his heart,” Muniz added.

Cambra has won numerous international piano solo and chamber music competitions and has performed with several major orchestras in his home country of Spain. He has performed at the United Nations, Carnegie Hall and on the stage of the “Prairie Home Companion.” The reviews have been glowing.

He received his bachelor’s degree in piano from IU Bloomington. Now he is part of Alexander Toradze’s Piano Studio. “It was a rare opportunity to come here,” he said. “The level of the studio is very high.”

Blind since birth, Cambra and his black lab guide dog, Pavot, are at home in Northside Hall. He said the disabilities offices at Bloomington and South Bend are always helpful in getting materials and software for his education. “The dog is very good for getting me around. The campus is small in comparison to Bloomington.”

James Hasse, director of disabilities services, said Cambra is an amazing young man whose talent and hard work have propelled him.

In Cambra’s freshman year at Bloomington, a music theorist professor worked closely with him to find appropriate accommodations in Braille and computer technology. Another professor assisted by teaching him musical pieces – one hand at a time. Then he would complete the exercise and perform the piece with both hands.

With that fire in his heart, he is committed to being a professional performer.

Cambra does not come from a musical family, although his mother did play piano at one time. He started to play the piano at age 5 or 6. He added that there was no great story about him discovering the piano. “When you hear those stories, they are usually not true.”

Cambra said he was going to study computer engineering but he applied to the music program at Bloomington and received a full scholarship. “I thought if I didn’t like it after a year, I’d leave. But I liked it well enough to stay.”

Coming to IU South Bend to study with Toradze has been wonderful. “The people are very close. It is a crazy musical life here, lots of concerts, traveling. Sometimes you have to step away to practice. I’m happy to be here.”
FROM STUDENT TO ALUMNA

DREAMS DO COME TRUE FOR ONE

TEXT JOEL M. BAZZELL // PHOTO CHRIS MEYER

In May 2011, Anne Drake received her master’s degree in social work from IU South Bend. This is Drake’s second degree. She received a bachelor’s degree in general studies in 2008.

When Drake began at IU South Bend, she doubted her abilities to complete the work. However, as she became connected to the campus, and her fears diminished. “The entire campus community was so supportive and welcoming.”

Drake grew up in South Bend and graduated from Adams High School. After high school, she worked in a variety of places, all while raising a son. At age 46, she visited the eye doctor for a routine checkup, and discovered that she had closed-angle glaucoma, an aggressive disease that causes blindness within a few years.

She had several surgeries to save her sight but at age 49, she was legally blind. Drake said she felt sorry for herself until she took matters into her own hands. She learned to read Braille, walk with a cane, use adaptive technology and use a guide dog. She enrolled in classes at IU South Bend as yet another step.

After beginning classes, she was teamed with her guide dog, Tabitha. The German shepherd accompanied her to class and graduated twice—complete with a cap and gown. Tabby has since retired and a new black Labrador named Driver has come to campus as Drake’s service dog.

Currently Drake works for the university as the disabilities specialist in the Office of Disability Support Services. Drake says that the transition from being a student at IU South Bend, to an employee was natural, “The great thing about finding a job here was that it was a natural transition for me.”

In the spring of 2012, Drake enrolled in the School of Education for a Certificate in Drug and Alcohol counseling. “I swore off doing school, but I came to realize that I enjoyed it too much.” Drake attributes much of her successes to her disability because she says “unlike other students, I wasn’t bogged down with the visual aspect of learning and I listened, which is a great asset in my field. You just have to listen, not to the words but what is being conveyed in those words.”

“Having an IU degree gives me a sense of accomplishment and an incredible feeling of pride,” Drake says about being an alumna of IU South Bend. “Being associated and being a part of the IU community is a fabulous thing.”

Drake would like to work for Leader Dogs for the Blind, the same organization that provided her with guide dogs Tabby and Driver, as a public relations specialist raising both awareness and funds for the nonprofit organization.

Joel M. Bazzel is an intern in Public Affairs and University Advancement.
His impact is felt every day. Thousands of his students are teaching in thousands of classrooms across the country, paying forward pieces of his wisdom and experience. Randy Isaacson is retiring as professor of Educational Psychology after teaching for 37 years in the School of Education at IU South Bend.

Isaacson came to IU South Bend in 1975 for his first job after earning a Ph.D. in educational psychology at Michigan State University. “I thought I would be here a couple of years,” he said. When he arrived, Les Wolfson was the chancellor and the only two buildings on campus were Greenlawn Hall and Northside Hall. “During the tour after my interview, I was told they were going to tear down Greenlawn Hall and move the School of Education into the Associates Building,” he said. He was on campus long enough to see construction begin on the Education and Arts Building but he won’t be here for the move scheduled for summer 2013.

His passion for teaching teachers is as strong today as ever. “Nobody has a bigger influence on society than teachers,” he said. “Teaching is the most important career you could have.” His philosophy is simple. “If you want to be a good teacher you have to learn how people learn.”

Isaacson created an incubator at IU South Bend where students could learn how to learn. The Peer Mentor program in the School of Education is his legacy. Students in his educational psychology program are paired with students who are struggling with the academic rigor of their first year in college. They learn from each other and help each other. The program has expanded under Isaacson’s leadership and is the cornerstone of student retention efforts at IU South Bend. Mentoring is important to Isaacson. “I would have flunked out of college if it wasn’t for the professor who mentored me,” he said.

Isaacson lived his philosophy of “learn how people learn.” Early in his career he wanted to understand how high school students learn, so he started running with the cross country team at Adams High School. Soon he was asked to coach the girls team, then the boys team, then the track team. He coached for 19 years and once again made an impact on the young people around him.

“I will miss it,” he says of leaving IU South Bend. “I felt comfortable here.” But it was the students that kept him here. “Many are first generation college students. They have challenges but they also have so much potential. It was fun.”

He and his wife Chris are retiring to Idaho. He fell in love with the mountains after seeing his grandfather’s photos of Yellowstone National Park and camping in Teton National Park. He may continue to teach. He says it is what he was “fitted” to do and quotes philosopher/educator John Dewey, “To find out what one is fitted to do, and to secure an opportunity to do it, is the key to happiness.”
Making a Stand for SUSTAINABILITY

TEXT SARA LOWE // PHOTO PETER RINGENBERG

Pondering the future and the ability to live among more than 7 billion people produces many questions and few answers. The global problem of dwindling resources and growing demand for food seems beyond the reach of individual responses.

IU South Bend senior Myles Robertson of Goshen has been active on campus trying to shed some light on the issues.

As a General Studies student, Robertson enrolled in the Foundations of Sustainability class to satisfy an elective—and his curiosity. Since completing the course, Robertson added the sustainability minor to his studies. He has taken it a step further than the classroom.

In addition to his duties as a senator in the Student Government Association and time playing Quidditch, Robertson has been active in the ways of sustainable living at IU South Bend.

Robertson has integrated sustainability into student life. During the summer of 2011, Robertson founded—and currently leads—the Sustainability and Wellness Club. This club boasts 60 likes on Facebook and 10 active students who work to improve sustainable living on campus.

The Sustainability and Wellness Club members recently visited nearby Farmer’s Market and encouraged them to participate in Community Supported Agriculture. They also tested water samples from the St. Joseph River. The club’s latest project is adding 125 books as part of sustainability resources to the Schurz Library.

Robertson is working to ensure that recycling is central to the campus and wants to make two-sided printing a default option on campus printers.

During the 2011-12 year, Robertson served as the resident assistant in student housing where he created the sustainability theme house.

“Myles was hired to make an impact,” says Paul Krikau, director of Student Housing and Residence Life, “to create a sustainable model” for student housing.

Students living in the sustainability theme house next year will learn objectives and be able to engage with other resident assistants in finding ways to make the entire housing community use resources responsibly.

One such resource is food. Last summer, Robertson led students to create a campus garden. To ensure that the objectives of sustainability were upheld, the raised beds were created from wood once used as the deck attached to the now demolished Gunther and Barbara Jordan International Center.

The garden was built and maintained by Robertson and fellow club members. As the summer continued, the garden produced enough tomatoes and other vegetables to be donated to the Center for the Homeless.

Robertson said there are hopes to expand the garden this summer and plans to build a compost bin.

Krikau is impressed with the mark that Robertson is leaving on IU South Bend.

Student leaders influence other passionate students to make significant changes in the choices that need to be made to create a sustainable lifestyle. These changes are not made overnight but what Robertson has done in the past couple of years has gone far to integrate sustainable living at IU South Bend.

After Robertson graduated in May and will stay in South Bend and work on sustainability issues. Taking the helm in Housing and Residence Life is Ian Spink, who will become the resident assistant in the sustainability theme house for the 2012-13 year. Spink envisions further expansion of the garden to offset food costs for students and to further the model set by Robertson.

Today’s problems cannot be solved if we still think the way we thought when we created them.

- ALBERT EINSTEIN

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Myles Robertson invited local Business Junk Evolution, to decorate his bedroom at River Crossing. The bedspread is made of old t-shirts and treasured mirror made of pop cans.
Research is one of the most important aspects of the mission at IU South Bend.

Undergraduate students have the opportunity to collaborate with faculty to study complex problems and to lay groundwork for promising futures.

A basement lab at Northside can lead to a great career. There are many stories to tell.

Ashley Compton, a junior in biochemistry, worked last summer in research on the isolation of the arsenite oxidase enzyme with Gretchen Anderson, professor of biochemistry. This summer, Compton was accepted to do medical research at a Mayo Clinic in Rochester, Minn.

“Not in a million years did I think I’d get the Mayo summer research position,” Compton said.
Michelle Gourley graduated in 2005 and spent a year at the Marine Biological Laboratory, Woods Hole, Mass., as a research assistant. “I can’t say enough about the quality of our faculty and the education experience they provide to students.”

Gourley worked with Andrew Schnable, associate professor, on pollination success in Acacia brevispica in Kenya and with Deborah Marr, associate professor of biology, on the effect of vascular wilt on reproduction in Hydrophyllum appendiculatum.

“I never thought I’d get the Woods Hole position with all the East Coast people applying,” Gourley said.

Kara Huegel Primmer did research with Professor Tom Clark on mosquito larva. She continued to graduate school at the University of Notre Dame and researched in neurodegenerative diseases, such as Niemann-Pick. This past spring, she taught at IU South Bend.

Emily Grace worked in research on dark matter with Ilan Levine, professor of physics. She is currently at the University of Nebraska working on research in laser physics. She will decide soon on where she will be doing her doctoral work.

Levine is “a wonderful advisor,” Grace said. “He wants you to take ownership of the project, deal with the issues and fully understand the work.”

Grace said she “lacked self-assurance” in her abilities but the work in the lab gave her a new appreciation. “I fell in love with being in the lab.”

Mark Royer worked with William Feighery, professor of organic chemistry. “He was definitely my hero. It gave me real world experience, a perspective that was very valuable. Royer went on to medical school at IU School of Medicine. He recently completed his residency in otolaryngology and will have a practice in Seattle.

Cale Harnish, of South Bend, graduated this spring with a degree in physics and worked with professor Ilan Levine since the summer of 2011 in his research lab. “I operated a device called a pressure vessel simulator. I basically stress tested the transducer that was built in Northside.” The work will lead up to installation on the dark matter detector.

The research gave him experience in electronics and engineering. He will continue working with Levine this summer. “I would absolutely recommend that students work in research.”

Harnish would like to continue his education and get a master’s degree in astronautical engineering. His future, he says, will be in the space industry someday.
Melissa Lentine worked three years with Kevin Ladd’s project on prayer. Justin McCammon researched with Daniel Debrule’s advanced lab class on suicide. Both used the phrase “invaluable experience” that put them ahead of the curve when applying to graduate school.

There are scores of similar stories about talented undergraduate students at IU South Bend working with professors in research. They have gone on to additional research, graduate schools and professional careers.

**UNDERGRADUATE STUDENTS AT IU SOUTH BEND HAVE A UNIQUE CHANCE TO WORK IN RESEARCH WITH PROFESSORS. IN LARGER RESEARCH UNIVERSITIES, THAT OPPORTUNITY WOULD BE RESERVED FOR STUDENTS IN THE MASTER’S OR DOCTORAL PROGRAM.**

At IU South Bend, they can get their feet into the research pool early. John McIntosh, assistant vice chancellor for academic affairs and professor of psychology, said he has worked with quite a few students over the years and four or five have gone on to doctoral programs.

“All were exceptional students, as good as any graduate student. Here they learned organization skills, a work ethic. It is good in-house training. A good how-to-do” - that is prized by research institutions. “It is a great opportunity for students here.”

Tom Clark, associate professor of biology, has worked with at least 20 students since 1999. He added that undergraduates
are usually doing clean up work rather than research at many other campuses. “Here they work shoulder-to-shoulder, publish, and make presentations. There are no disadvantages for the students.”

The student researchers are the co-author of papers and make presentations at conferences. “It is all good for the c.v. (curriculum vitae),” Royer said.

Lauri Reinhold is an assistant research scientist at Agdia, Inc., a plant diagnostics company in Elkhart. She worked with Marr on fungal plant pathology. “It absolutely opened doors for me - to learn molecular biology, plant pathology and general lab techniques. All the things I learned from textbooks were brought to life.”

Austin Conner is a senior and will receive a bachelor’s degree in physics and secondary education. He worked with Levine, spent time at Fermilab in Chicago and presented at the National Conference for Undergraduate Research at Ithaca, N.Y. “It benefited my future endeavors greatly. I gained a lot of valuable knowledge and experience from my time in Dr. Levine’s lab.”

Top left: (Left to Right) Brice Petgen, Amelia Sinnott, Sarah Mertz, Kyle Messick, Jamie Cora, Melissa Lentine, Kevin Ladd, Meleah Ladd, Allison Niemi, Briana Becker, Kaitlyn Foreman, Wanakee Brown, and Cara Cook.

Top right: Crysta Sulaiman, Ben Smith, Jessika LaPres, and Kevin Weber. They work with Daniel DeBrule’s research.
MARSH FINDS NEW CHALLENGES AT TCU

TEXT DINA HARRIS // PHOTO PROVIDED

In today’s business world, it is unusual for someone to remain 22 years with one firm. This is not the case at Teachers Credit Union where many employees stay their entire career. And that is exactly what IU South Bend alumnus Paul Marsh has done. He said he has just gotten out of rookie status at TCU.

He has a few years under his belt and a new title. Marsh replaced retiring president and CEO Richard Rice in June. He previously served as TCU senior vice president. When Marsh started, he said he was just lucky to have a job. He has had a number of positions within the company – marketing, finance and retail. Now he has a title that people will remember.

The job, thus far, has been wonderful, Marsh said. He has a great team and has had a great start. He admits, though, that it is stressful at times.

Has life changed with the new job? “Yes and no,” he said. His wife and four children keep him grounded.

Marsh’s daily schedule includes a morning workout, then to the office and daily meetings, and plenty of emails. He is involved in many areas within his company and in the community: strategy development and execution, team development, board governance, industry alliance and partnerships, community involvement, the metronet, Northern Indiana Workforce Board, and Goodwill.

The biggest challenges include the uncertainty of the market, regulations, and a lackluster economy that forces his company to be focused.

On the flip side, he said the fun parts of his job include meeting people, interacting with the employees and credit union members, his involvement in the community, and being able to make a difference in the community.

Marsh graduated from IU South Bend in 1990 with a major in accounting, management and administration and a minor in economics. He met his wife, Christine, at IU South Bend in a corporate tax class. The romance started on campus.

Marsh did not take a traditional path. He put himself through school. He started at Southwestern Michigan College for two years, then went to IU South Bend and then to IU Bloomington. He felt that the professors on the IU South Bend campus were more engaging than on the IU Bloomington campus. The IU South Bend professors taught him the ability to learn, and how to tackle challenges.

“I’ve always been a big supporter of IU South Bend, because it made a big difference in my life,” Marsh said. “The professors all had a sense of commitment to their students.”
Jennifer Ann Klein, retired assistant professor of dental hygiene at IU South Bend, received the Faculty Legacy Award from the IU South Bend Alumni Association.

The award recognizes full-time or retired faculty members who have made a significant impact on the lives of students at IU South Bend. A $500 scholarship is presented in her name to a student in dental hygiene.

Gwynn Mettetal, professor of psychology and education at IU South Bend, was the recipient of the 2011 IU South Bend Distinguished Teaching Award. Mettetal has been a member of the faculty since 1989 and became a full professor in 2003.

She has received other honors over the years including the Frederic Bachman Lieber Award for Teaching Excellence in 2011, and the Teaching Excellence Recognition Awards (TERA) in 1997, 1998, 2000 and 2011.

Les Lamon, professor emeritus of history, and Myrtle Wilson, South Bend Community School’s deputy superintendent, principal and IU South Bend alumna, both received the Drum Major Award for service to the community at the annual Martin Luther King Jr. Day breakfast.

In the School of Business and Economics undergraduate program, IU South Bend students scored in the top 7 percent in the business test. More than 430 schools participated in the Educational Testing Service test this past fall. The mean score for IU South Bend students was 161. The national mean was 150.3 from the participating schools.

Indiana University South Bend School of Business and Economics students in the MBA program scored in the top 1 percent in a comprehensive field test for the fall 2011. Their average score was 271. The average score was 248.9 from 225 participating MBA programs from across the country.

Krista Bailey, of South Bend, was recently hired to be the assistant director of the IU South Bend Center for a Sustainable Future.

Bailey completed her Master of Liberal Studies degree at IU South Bend in 2011 with a focus on sustainable food systems. She received her B.A. in biology from Indiana University Bloomington in 1994. Previously, she served for two years as a graduate intern in the center.

Susan Lee was named the director of Affirmative Action in mid-October. She started in the new role in mid-November, coming from the University of Denver where she served as director of the Office of Diversity and Equal Opportunity.
Staci Lugar Brettin, visiting lecturer in the School of Business and Economics, received the Athena Award from the St. Joseph County Chamber of Commerce. The award is given to an individual who has achieved a high level of professionalism, has devoted time to improving the quality of life in the community and has assisted women to achieve their leadership potential.

IU South Bend’s economic impact on the community totaled $141.8 million, according to an IU economic study. The total economic impact of IU and IU Health is $11.5 billion in the state.

Indiana University South Bend School of Business and Economics has signed an articulation linkage agreement with Tianjin Polytechnic University (TPU) in Tianjin, China, for two programs – Master of Science in Accounting (MSA) and Master of Science in Management of Information Technologies (MS-MIT).

Yi Cheng (5), professor of mathematical sciences, and Mike Keen (6), professor of sociology and director of the Center for a Sustainable Future, were both honored at the 2012 Celebration of Distinguished Teaching dinner on April 20.

Cheng received the Frederic Bachman Lieber Memorial Award for excellence in teaching. Keen received the W. George Pinnell Award for Outstanding Service.

Cheng has “tremendous rapport” she has with her students. Alfred Guillaume Jr., executive vice chancellor for academic affairs, said, “Her teaching statement radiates the same energy and passion for teaching that she has as a researcher.”

Keen has made sustainability into a campus-wide goal through a number of methods including workshops, the development of a sustainability minor and electronic recycling. “In the last three years, he’s transformed sustainability from a buzzword to a reality on our campus,” said Gail McGuire, associate professor of sociology.

Douglas McMillen, associate professor of organic chemistry and associate dean of the College of Liberal Arts and Sciences (CLAS) at Indiana University South Bend, has been named the acting dean of the College of Health Sciences at IU South Bend. His appointment began Jan. 1.

He is taking this role after the death of Mary Jo Regan-Kubinski who died in October after a short illness.

The Indiana University Women’s Philanthropy Council has awarded grants totaling $15,000 to a service learning project pilot for the American Democracy Project. The grants will support service-learning initiatives in the South Bend community by funding faculty development of new courses and providing student fellowships, all focused on addressing challenges to civic health in the region.
Daniel Bowen, BS’68, Business, is a senior partner at Bowen Hunsaker Hirai CPA’s & Consultants in Honolulu, Hawaii.

Fred Stielow, BA’71, History, is a corporate vice president and dean of libraries at the American Public University System, Charles Town, W.V. He has written or edited more than 100 scholarly articles and 12 books. His most recent works 2012’s Success for Military Students and Veterans, and Reinventing the Academic Library for the Web.

Cheryl Torok Fleming, BA’75 & MS’79, Education, is teaching physics, chemistry, environmental science, general science, and honors sciences for Connections Academy, Nashville, Ind. She is also completing another master’s degree in library science at IU Bloomington.

Melissa S. May, BS’80, Public Affairs, received the Women in Law Recognition Award from the Indiana State Bar Association. Originally from Elkhart, she is a judge in the Court of Appeals of Indiana and lives in Indianapolis.

Scott Sotebeer, BGS’83, General Studies, is employed in management & executive consultancy in Seattle, Wash.

Becky Eddy, AS’83, Early Childhood, is an administrator of the Federal Food Program of all schools in Indiana, and she lives in Elkhart.

Jay Howard, BA’88, Sociology, is the dean of the College of Liberal Arts & Sciences at Butler University, Indianapolis. He recently co-authored a book with Nancy Greenwood of IU Kokomo.

Sharon Rankert, BS’88, Business, is a database coordinator at the University of Notre Dame.

Christopher Craft, BS’89, Business, has been named president of the automotive, light truck, and special vehicles financing division at 1st Source Bank, South Bend.

Martin Gersey, MPA’90, Public Affairs, is serving at IU South Bend as the director of safety and security.

Eugene Berg, BS’90, Education, was the site coordinator for an after-school program at North Judson Elementary School, North Judson, Ind., from 2009-10. He is a driver for Advance Care Support.

Roger Karns, MS’90, Education, was named the head swim coach for both the men’s and women’s swim teams at Lewis University, Romeoville, Ill. He previously coached at Grand Valley State. He is an American Swim Coaches’ Association Level Five Coach.

Kevin MacDonald, BGS’94, General Studies, is in corporate communications for WellPoint in Indianapolis. He is managing internal communications and developing social media strategies for the company. He is also in his ninth season as the public address announcer for the IUPUI Jaguars college basketball program.

Elise Irwin, AS’95, Nursing, is the director and RN administrator of Lauren’s House, a pediatric medical daycare center in Coatsville, Pa.

James Yarbrough, BS’96, Public Affairs, was named assistant vice president at 1st Source Bank. He serves as the manager of LoanSource, 1st Source Bank’s loan-by-phone department.

Georgianne Walker, BS’98, Economics, is an attorney/partner with May Oberfell Lorber, Mishawaka. Her practice includes medical malpractice defense, insurance defense, and commercial litigation.

Kelly Danielson, BA’99, English, is a high school English and creative writing teacher in Woodstock, Conn.

Jennifer Irons, BS’99, Public Affairs, is an attorney who practices family and criminal law at Sendak and Stamper, Crown Point, Ind. She was selected to participate in the inaugural class of the Indiana State Bar Association’s Leadership Development Academy, a program designed to empower and develop lawyers to be informed, committed, and involved.
Kevin Zink, BS'99, Accounting, has been promoted to senior manager at Kruggel, Lawton & Company, South Bend and Elkhart. He will serve as a leader on audit engagements, as well as supervising and mentoring staff as they grow in their profession.

'00s

Issac P. Torres, MBA’00, is the president and CEO of his own company, InterCambio Express, Inc.

Hope Miller, BS’00, Nursing, is working in the ER at University Medical Center in El Paso, Texas, and also certified in adult and pediatric sexual assault nurse examiner.

James Smith, MS’01, Special Education, is working with students with various disabilities as a teacher/transition coordinator at Griffith High School. He lives in Crown Point, Ind.

Dawn Boulac, MA’01, Psychology, has been teaching at Penn High School for 20 years, and taught advanced placement statistics for the last 15 years.

Richard Behnke, MSW’02, Social Work, is a clinical services specialist in Region 4 with the Indiana Department of Child Services, Mishawaka.

Monica Escalante, BA’02, Sociology, is an academic counselor and adjunct professor in criminal justice and guided studies at San Jacinto College, and lives Pasadena, Texas.

Jacob Ratkiewicz, BS’03, Computer Science, is a software engineer and search infrastructure with Google, Inc. He lives in Mountain View, Calif.

Will Lewis, BS’03, Computer Science, is an advisor IT auditor and corporate auditor at Cardinal Health, Inc., Dublin, Ohio.

Lauren Rose, BS’04, Nursing, is a labor and delivery nurse. She lives in Niles.

Jessica L. (Ryll) Ottow, BA ‘05, Education, received a master’s degree in education from Trevecca Nazarene University in Nashville, Tenn. She is licensed to teach K-6th grades and is teaching kindergarten in Nashville while continuing to pursue a vocal music career. Some vocal credits include a USO Tour in California with JoDee Messina; commercial demo work for local Nashville musicians, lead singer/front woman for two local Nashville bands and corporate music work.

Karin Gilbert, BGS’05, General Studies has been promoted to director of youth development for the YMCA of Michiana.

Matthew Van De Wielle, BS’05, Business, has joined Lake City Bank as vice president and internal auditor.

Shane Stopczynski, BS’07, Accounting, has been promoted to senior staff with Kruggel, Lawton & Company, South Bend and Elkhart.

Michelle Allen, BS’08, Business, is working in Carmel, Ind., and started her master’s degree in school counseling at IUPUI.

Jennifer Stein, BGS’09, General Studies, is an HR recruiting specialist at Oaklawn Psychiatric Center, Inc., Elkhart.

Julianna Potter, MBA’10, Business, is a marketing specialist and social commerce for Gannett Digital in McLean, Va.

Tim Voreis, BS’10, Business, is working for a N.F.O. (Next Flight Out) delivery company as an operations supervisor in Phoenix, Ariz.

Ashley Bowen, BA’10, Mass Communications, is the copy editor for the jewelry brand Simon G. in Malibu, Calif. She recently appeared as a spokesperson on an episode of the television show “Extra” to speak about Hollywood celebrities’ choices of jewelry for the Screen Actors Guild awards.

Rosa Perez, BA’11, Spanish; BS’11, Criminal Justice, is the administrative assistant to South Bend Mayor Pete Buttigieg.

Terrie Phillips, BA’11, Mass Communications, has recently been accepted to Valparaiso University’s digital communication master’s program.

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