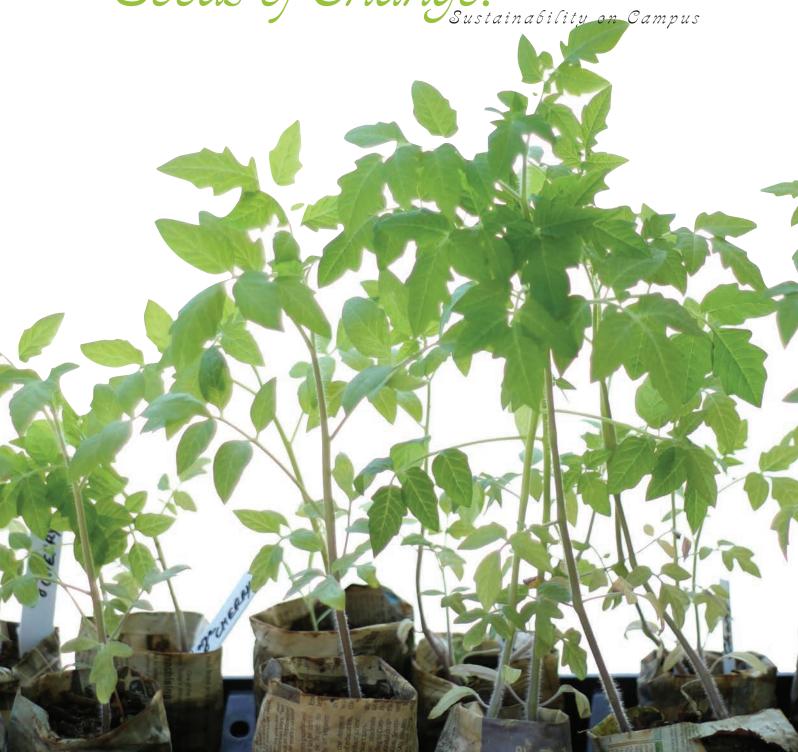
# DRURY

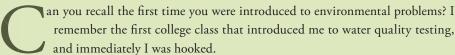
Seeds of Change:
Sustainability on Campus



# ustration by Kevin Sprouls

### THE FIRST WORD

SEAN PATRICK TERRY, PH.D., ASSOCIATE PROFESSOR OF GEOGRAPHY, ENVIRONMENTAL STUDIES AND GLOBAL STUDIES



Th results were always exciting. If the water was clean, there was good news to report. If the water was polluted, then there was an investigation to find out where the pollution was coming from and how to stop it.

By the time I had completed a master's on the water quality of the Ozarks, it became clear to me that most water quality problems were the result of unsustainable land use practices. I followed this with a dissertation exploring the impacts of oil development on the landscape and found out that some environmental problems were global in scale. I felt sadness at a lack of education on sustainability and anger at the lack of cooperation to protect our environment.

I am pleased that we celebrate sustainability in this issue. The recent oil spill in the Gulf of Mexico and E. coli in the Lake of the Ozarks remind us that big environmental challenges still lie ahead.

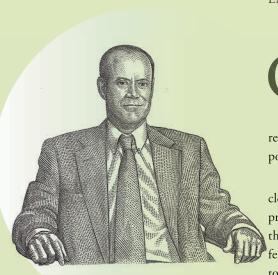
Can Drury rise to help meet these challenges? I think the answer is yes. Sustainability has seen tremendous growth on our campus in the last decade. During that time, we have seen the adoption of green design in architecture, environmental economics in business, stand-alone environmental majors and the creation of a campus sustainability director position.

Now that Drury has developed programs in sustainability, what should we do?

Our faculty are conducting research to show environmental problems to our students and performing service to make our world a more sustainable place. Here is one example. I led a field studies class to Hawaii this January. During the trip, we assisted in removing non-native species and then helped to plant native trees. Our Hawaiian guide explained to us that previous unsustainable practices in agriculture led to local water pollution problems.

As we listened to the native prayer given to bless the new plants, we were connected to our environment and to each other and reminded that we face the same water quality issues in the Ozarks. In both places we have the opportunity to roll up our sleeves and help solve the problem. Th Hawaiian prayer was followed by a song, during which it began to rain.

This time, I felt pure joy.







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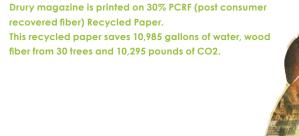
The Green Effect
Community. Commitment. Change.
Sustainability Through Times of Change
Personal Efforts
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Green Building

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COVER ILLUSTRATION: SESHA SHANNON Tomato plants ready to be planted in the campus community garden during Drury's annual Beautification Day.







Connect with Drury on Facebook and Twitter and be a part of campus no matter where you are.



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*Drury*, a magazine for alumni and friends of Drury University, is published twice each year. The mission of *Drury* magazine is to engage readers in the life of the university, reflect the university's values, and capture the intellectual curiosity and distinct community that is Drury.

The views presented do not necessarily reflect or represent those of the editors or the official policies of Drury University.



RIGHT: President
Parnell digs in with
students during
Campus
Beautification
Day, Drury's
annual all-campus
spruce-up.



e live in the Ozarks. What's not to love about that? Ticks, chiggers, copperheads and tornados, you say? No excuses there. At Drury University we study such things and don't fret about them.

The Missouri and Arkansas Ozarks are blessed with abundant natural waters: rivers, streams, lakes and springs. A curious combination of clear rushing water, limestone-laced karst topography, ancient water-carved mountain faces, glades, heavily wooded hillsides, seasonal rains to flush the system clean, and diverse habitats and species provides an infrastructure of unique beauty and allure. The mountains are short, but the valleys are deep. Th re is no cauldron of geography, geology, climate, heritage and water quite like these Ozarks.

This is Drury University's personal laboratory. This is where our students study and get their hands wet and dirty. Why? So they can lend their passion and expertise to protecting our special natural heritage. Our Environmental Sciences and Environmental Studies students research such things, and all of Drury's rigorous programs challenge students to put their dreams to work for future generations. That is what sustainability is all about to us lay folks.

This issue of \* rury magazine is about sustainability. This is not a new discussion on campus. Dr. Dorothy Leake, Drury class of 1914, was preaching it from the banks of Crane Creek into her 90s.

Dr. Wendy Anderson and others teach it now and rally Think Green! students to action each fall. Professor Traci Sooter and students built a LEED Platinum Habitat for Humanity House. Dr. Eric Dannenmaier, Drury class of 1981, spreads the word globally. Dr. Sean Terry takes his Alpha students to the amazing Buffalo National River in northwest Arkansas each spring to fl at, camp and touch the water. Pete Radecki manages the construction of the new O'Reilly Family Event Center to an anticipated LEED Gold conclusion. Drury University was one of the first 25 signatories to the American College and University Presidents' Climate Commitment, now embraced by more than 650 institutions of higher education. The document hangs with purpose in the hallway in Burnham. We take sustainability seriously, and you will read herein of the creative initiatives our faculty, staff and students are generating on campus and beyond.

We are proud of our location in the heart of the Ozarks. We are proud of our tradition of environmental stewardship. And we are confident that the values and knowledge this generation of Drury students will take into the world will help us as a civilization confront the threats to our environment.

Todd Parnell '69



### **Students Construct** Art Kiosk at Airport

This spring, Drury architecture students designed, constructed and assembled a new art kiosk for the Springfield-Branson National Airport main terminal. The kiosk was constructed not only as a way to show off local artwork, but as a marketing effort for the airport.

"The Midfield Terminal makes a good impression on visitors," says Gary Cyr, director of aviation at the airport. "We really want the airport to be an art venue and make it part of the community."

During the month of March, four students in the Design-Build class in Drury's Hammons School of Architecture (Patrick Butler, Justin Bruce, Austin Abbott and Daniel Renner) designed and built the kiosk.

The project proved quite a challenge for everyone involved, according to Associate Professor of Architecture Traci Sooter. "The unique part is that we had to fabricate the kiosk off-site, assemble it to make sure it all worked, disassemble the structure, ship it to the airport and then assemble it on-site."

Drury student work was the first exhibit on display in the kiosk. It will also feature works by art students from Springfield Public Schools every year.

See a photo gallery of students constructing the art kiosk, www.drury.edu/magazine

### Two New Master's **Programs Announced**

This fall Drury added two new master's programs: a Master of Arts in Teaching and a Master of Music Therapy.

Individuals who complete the MAT program will also earn initial certification in middle school for one of the key fields of science, mathematics or language arts.

The new MAT degree will play an integral role in addressing high need areas in Missouri schools, such as science and mathematics, and provide qualified teachers for rural areas throughout southern Missouri.







"Instead of just creating something that people would walk by and look at, we wanted to create a space that would encourage people to experience the art itself," said architecture student Patrick Butler.

### **Breech Achieves AACSB** Accreditation

complete.

in Missouri to offer a Master of Music

Therapy program. The MMT degree is a

38-hour program requiring three semesters to

Drury University's Breech School of Business Administration has achieved coveted accreditation of its business degree program by AACSB International, the Association to Advance Collegiate Schools of Business.

Drury is now one of only three universities

Founded in 1916, AACSB International is the longest service and largest global accrediting body for business schools that

offer undergraduate and graduate degrees in business and accounting.

Drury now joins the list of institutions that have achieved accreditation from AACSB. Less than 5 percent of all business schools worldwide have earned this distinguished hallmark of excellence in management education.

To earn accreditation, Breech had to undergo five years of rigorous internal review and evaluation. During the application process, Breech developed and implemented a mission-driven plan to satisfy 21 quality standards relating to faculty qualification, strategic management

of resources, faculty and student interactions, as well as a commitment to continuous improvement and achievement of learning goals in degree programs.

Breech celebrated its accreditation with a tree planting ceremony and a dinner for the Drury family.

"AACSB accreditation is affirmation that the Breech School is a premier business school providing a quality education to our students," says Dr. Bill Rohlf. "We've been doing it for more than 50 years."

### Drury Swim Team Wins Nationals

This year, Drury's swimming and diving teams netted yet another national championship. Drury picked up its eighth men's title and seventh women's NCAA title at the Division II swimming championships in Canton, Ohio.

The Panthers have now swept both titles in 1999, 2007, 2009 and 2010. In addition, Drury men's sophomore swimmer Jun Han Kim was named National Men's Swimmer of the Year.

In celebration of this achievement, the swimming and diving teams held a parade and autograph session. The Central High School Kilties joined Drury in the parade to honor the two teams.

### **Curry Family Donates to Drury**

On May 12, Drury alumni Craig and Tracy Curry donated \$500,000 to the university as the final major gift to finish construction costs for the O'Reilly Family Event Center. For their gift, Drury's athletic field and training facilities will be named the Curry Sports Complex.

Craig Curry graduated in 1983 after studying economics and business administration. He is currently the chairman and chief executive officer for Central Bank in Lebanon, Mo. Tracy studied sociology and criminology and graduated in 1984.

The ceremony took place at Harrison Stadium. "Tracy and I are excited to be involved with such a great project for Drury University and the Springfield community," says Curry. "The O'Reilly Family Event Center is a wonderful addition for the Drury

community offering more than just a sports arena."

Signs designating the "Curry Sports Complex" adorn the arch above the entrance to Harrison on Summit Street, on signage on Central Street and above the indoor Sports Training Center.

### **Princeton Review Ranks Drury**



Drury found reason to celebrate when The Princeton Review, a prominent education services and test preparation company, named Drury in its "Best Value Colleges for 2010" list. The list, which features 100 schools in all (50 public and 50 private colleges and universities) was posted on the websites of The Princeton Review and *USA Today* in January.

In the Review's profile of Drury, the university was commended for its efforts to give students a relevant education while providing them with a broad world view.

"Drury strives to offer an education that will be relevant to a student's future plans. While Drury's student body is largely middle-class and from the Midwest, the school takes a worldly stance with its required Global Perspectives 21 curriculum through which every student graduates with a minor in global studies."

The Review placed Drury on its list after surveying administrators and students at more than 650 public and private colleges and universities. The selection criteria covered more than 30 factors in three areas: academics, costs of attendance and financial aid.

### New Directors Named for CGCS, Breech, Library

The College of Graduate and Continuing Studies, Breech School of Business Administration and Olin Library welcome new directors and deans this year. Dr. Brian Holloway, the former dean of graduate studies at Mountain State University in Beckley, W.Va., leads CGCS.

Although Dr. Holloway was born in New York, he spent his teenage and college years in the Midwest. "I have always understood myself to be a Midwesterner, both culturally and spiritually," says Holloway. "I consider it a



Drury is truly a family affair for Tracy Curry. Her mother, Myrna Clickenbeard, is Drury's longtime bookstore director.



Brian Holloway



Michael Shirley



Polly Boruff-Jones

privilege to be here in this time and this place. I intend to serve Drury with distinction and zest."

Dr. Michael Shirley, former dean of the College of Business Administration and professor of legal studies at the University of Central Oklahoma, heads the Breech School. "It is my honor to be selected as the next director of the Breech School," Shirley says. "The opportunity to work in collaboration with the talented faculty, staff and students of Drury, continuing its longstanding tradition and commitment to academic excellence, is an incredible and exciting privilege."

Olin Library welcomed Polly Boruff-Jones as the new library director

on July 19. She was previously associate dean for teaching, learning and research in the University Library at Indiana University-Purdue University at Indianapolis (IUPUI), a position she had held since 2006.

### Drury Makes Princeton Review's "Green Guide"

The Princeton Review named Drury in its "Guide to 286 Green Colleges." Drury was the only school in Missouri to make the list.

The guide, which was developed by The Princeton Review in conjunction with the U.S. Green Building Council, focuses on higher-education institutions

that demonstrate a high commitment to sustainability in terms of campus infrastructure and activities.

"We are honored to be recognized among the top 5 percent of universities who have made a stronger commitment to sustainability," says Dr. Wendy Anderson, director of Campus Sustainability. "We hope this will put Drury on the radar for students who are interested in a university that values sustainability."

Drury also showed its green side with the annual celebration of Earth Day, during which students participated in various activities such as: planting their own flowers, crafting with recycled materials and remaking old shirts into shopping bags.

### Parnell Gets Pie in the Face

On Feb. 15, Drury supported Haiti relief efforts by throwing pies at President Todd Parnell. Both Parnell and Andrew Wiemer, director of Leadership and Volunteer Development, volunteered to take a pie in the face for every \$50 donated.

After receiving three pies to the face, Parnell donated money himself for the chance to throw a pie at Wiemer.

In addition to the offer to throw a pie at the president, Drury students raised a total of \$1,750 by selling T-shirts and collecting donations at basketball games. An additional \$1,589 was raised during a prayer vigil in Stone Chapel. All the money was donated to Springfield-based relief agency Convoy of Hope.

"Students on the planning committee went above and beyond," Wiemer says. "They really put their global perspective learning into action and made an effort to impact the world around them."

President Parnell gets a pie in the face for a good cause. Inspired by student efforts, an anonymous donor gave \$10,000 to support Drury's Haiti relief.



### **Wallace Hall Renovated**

Wallace Hall went through a major renovation over the summer. The 85-year-old residence hall's interior was completely updated while preserving its external character.

Some of the many changes include: central heat and air; an elevator; new windows and blinds; designer paint and flooring; energy-efficient lighting; a new electrical system; new laundry facilities; improved bathrooms; a new study lounge; a sprinkler system; wheelchair accessible suites; and improved security.

Crews worked throughout the summer to have the building ready for 132 new students on move-in day in August.



See a photo gallery of Wallace Hall before and after. www.drury.edu/magazine

Wallace Hall's south wing was built in 1925, with the north addition in 1956. While many alumni remember Wallace as an all-female residence hall, it has been co-ed since 2003.









### REMEMBERING

### **BOB ROACH**

n May 2010, Bob Roach, the former director of Drury's Center for Gifted Education, died at the age of 75. Roach, a member of the Drury family for almost 15 years, left behind a great legacy, not only to his work, but to the people he worked and shared his life with.

On May 27, family, friends and co-workers gathered to celebrate Roach's life through stories and laughter. "When my husband needed medical tests, Bob gave us airline miles to use to fly to the Mayo Clinic," says Mary Potthoff, current director of the Center of Gifted Education. "Over the years Bob gave my husband and me several gifts, but none are more meaningful than his friendship, leadership, kindness and great stories."

Bob's service to gifted education began with his first teaching job in his hometown of Waynesville, Mo. He became concerned for the bright and talented students whose educational needs were going unmet. He completed his gifted education certification at the University of South Florida and later became the first director of Gifted Education for the Missouri Department of Elementary and Secondary Education. He worked over 40 years on behalf of gifted children and their teachers.

The current DESE Director of Gifted Education David Welch said, "I consider Bob to be the father of gifted education in Missouri."

As a tribute to his life and work, Drury is now offering the Bob Roach Scholarship in Gifted Master's, which will be awarded to one student each year. In addition, Roach will be recognized in the Lay Hall Wall of Fame.

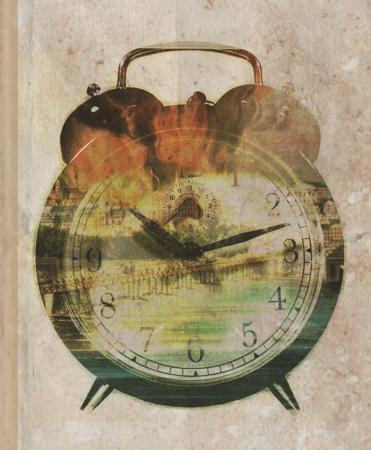


The Persistence of INTENIORY:

Perspectives on THE PAST

CONVOCATION

2010-2011



"The past is never dead. It's not even past."
-William Faulkner

e are all living with the consequences of the past. We are haunted by history & memory, and often nagged by a strange feeling that past events are somehow never really "over." Even though they are creatures of the past, history & memory cling to us in the present. But to live in the present, and to plan for the future, we must realize that we are all citizens of a persistent past. It defines who we are today, and although the past is a hard thing to know, we must seek to understand it.

—William Garvin,
Special Collections Librarian and University Archivist,
Theme Year Director 2010-2011

CHARLESTON

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### THE HISTORY OF HOPE

**Ron Showers** Thursday, October 14 11 a.m., Clara Thompson Hall

### A VIEW FROM THE Underside: The Legacy of DIETRICH BONHOEFFER

**Al Staggs** Thursday, October 28 11 a.m., Clara Thompson Hall

### CONTEMPORARY CONFLICT and Colonial Memory in the **WIDDLE EAST**

Juan Cole Thursday, November 4 11 a.m., Clara Thompson Hall

### THE LOST GRAVES OF TARAWA

Mark Noah Thursday, November 11 11 a.m., Clara Thompson Hall

### Springfield-Drury CIVIC ORCHESTRA

Dr. Christopher Koch, **Music Director and Conductor** Sunday, November 14 4 p.m., Central H. S. Auditorium

### IRAQ SUICIDE ATTACK PILLOW PROJECT: A MEMORIAL

Benjamin June Pool Art Center Gallery Friday, December 3, 6 p.m. Exhibit: Dec. 3 - Jan. 28, 2011

### THE HISTORY OF PRIVACY IN AMERICA

Frederick Lane Thursday, February 17 11 a.m., Clara Thompson Hall

### Stephen H. Good Menorial Concert

Thursday, February 17 7:30 p.m., Stone Chapel

### LIVING WITH POLLUTION

Jorge Otero-Pailos Thursday, February 24 11 a.m., Clara Thompson Hall

### A Memoir of My Life With Animals and Autism

**Temple Grandin** Thursday, March 3 11 a.m., Clara Thompson Hall

### PREDICTING THE PAST

Rick Ayre '71 Thursday, March 10 11 a.m., Clara Thompson Hall

### Landscapes and Memory

Jamaica Kincaid Thursday, March 31 11 a.m., Clara Thompson Hall

### America, Whaling and the World: A Parable of Industry AND THE ENVIRONMENT

**Ric Burns** Thursday, April 14 11 a.m., Clara Thompson Hall

### Film Screening: Inlaws & Outlaws

**Drew Emery of the True Stories Project** Thursday, April 14 6 p.m., Clara Thompson Hall

### Music and Memories: RADIO FLYER CONCERT

Thursday, April 28 11 a.m., Clara Thompson Hall

For a full schedule visit www.drury.edu/memory

"To be ignorant of what happened before you were born

is to forever be a child."

-Cicero







he state of sustainability at Drury is strong. Look around, and you'll see evidence of it everywhere, from the recycling bins across campus to the paper this magazine is printed on.

But that's today. Five years ago, sustainability at Drury looked and felt a bit different than it does now. Even then, the concept of sustainability was an idea that many members of the campus community were committed to, but lacked real direction for change. In short, the Drury community talked the talk but didn't walk the walk. A sore point: there was little recycling on campus even though many in the campus community had discussed the issue for 30 years.

Then, something began to change. A slow rumble started on campus with the 2005-06 convocation series devoted to sustainability. Students, faculty and staff began more discussion about the impact that changes on campus could have on the environment.

### The rumble continued.

Then, as that year went on, it built to a roar, and it did so largely at the persistence of one student.

Sarah Davis, a 2008 Drury graduate, got the university off the dime. She began a personal crusade that by the end of 2006 would eventually involve the entire university and kick-start what is now a campus-wide recycling program. She secured four competitive grants to purchase recycling bins, obtain large dumpsters, print promotional materials and fund paid student staff positions to take care of the growing recycling program. She recruited other students to get involved. She got the word out through campus publications, websites and community organizations.

She sparked change.

And by the time Sarah graduated in 2008, the campus recycling program was a full-fledged endeavor managed by facilities services. Recycling bins are located in or near every building on campus, and an on-site collection center makes for an efficient system. Recycling is just as ingrained into the daily operations of the university as trash collection, and students continue Sarah's vision of leading by example when it comes to conserving and reusing on campus.

Perhaps just as important, recycling—and other means of sustainability such as

trayless dining in the Commons to conserve water, high efficiency lighting in campus buildings and the use of recycled materials across campus—are now part of the culture of sustainability at Drury.

### The Faces of Sustainability

Drury is proud to put its identity as a green college front and center. In fact, one quadrant of the university's logo features an oak leaf and acorn that together represent leadership and the institution's commitment to sustainability. Former President John Sellars and President Todd Parnell have both signed the American College and University Presidents' Climate Commitment. Our administration includes a director of sustainability. In April 2010, Drury was named in *The Princeton Review's Guide to 286 Green Colleges*, earning a spot as the only school in Missouri to be recognized in the publication.

But behind all of the environmental accolades and awards are the people that



fulfill Drury's sustainable commitment. These are the faces of sustainability at Drury, and they include every student, faculty and staff member on campus.

The faces of sustainability include members of the administration, who operate the university with environmental sustainability at the forefront of decision-making. Leave the administrative offices of Burnham Hall and walk next door to Pearsons—or any other academic building on campus—and you're likely to find faculty who are incorporating sustainability into all facets of learning. From psychology to architecture, faculty throughout the university are teaching students to think green.

And speaking of Think Green!,
Drury's prominent environmental student
group, it is students who make up most of
the university's faces of sustainability.
Students helped make recycling a part of
the culture. They bike to class, live in
sustainable housing and lead others by
example throughout the community.

### Administration Commitments

In recent years, Drury has made great strides in ramping up its commitment to sustainable practices. According to Pete Radecki, vice president for campus operations and sustainability, there have been three major steps leading to the university's most recent triumphs in the area of sustainability.

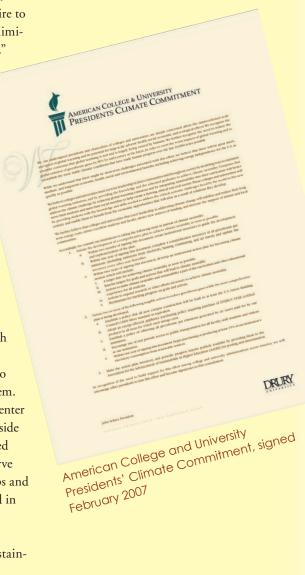
"An important step took place when our president signed the College and University Presidents' Climate Commitment to reduce our carbon footprint," Radecki says. "He followed this action by appointing Dr. Wendy Anderson, professor of biology, as sustainability director.

"The third fundamental step was President Parnell's decision to link sustainability with campus operations," Radecki adds. "Taken together, these three steps convey a message that sustainable practices are valued here, and we as an educational institution desire to teach, discover and practice the minimization of our environmental impact."

According to Radecki, the administration's goal is to integrate sustainability into every operations decision that is made, with attention paid to design, available funds and time. Whenever those three factors allow for it, the more sustainable options are often the ones Drury chooses.

Take the O'Reilly Family Event Center, which is seeking LEED Gold certification. The new center was built top to bottom with sustainable features that include high efficiency lighting, cooling and heating, and a white roof designed to reduce the strain on its cooling system. Low-flow water fixtures inside the center and drought-tolerant vegetation outside help reduce the amount of water used daily. The concession stands will serve drinks and food in compostable cups and plates. The paint and adhesives used in construction and design meet the stringent limits for volatile organic compound emissions. The list of sustainable features goes on and on.

In some cases, though, Drury has found ways to be sustainable even when working with decades-old facilities and



operational decisions. After a complete efficiency audit of campus systems, the university determined that the Breech School of Business Administration housed one of the most inefficient heating and cooling systems at the university. However, the financial investment that would have been required to replace the chillers and boilers in the building was simply not possible. The university found itself facing a difficult dilemma: continue operating an inefficient, unsustainable system or find an alternative without the financial means to do so.

Fortunately, Drury's innovative nature came through, and a solution was discovered in the construction of the O'Reilly Center. According to Radecki, a common challenge facing event center construction is the knowledge that while an event center of that size must be built with the ability to effectively cool for a capacity crowd, the downtime when the event center is not at capacity is much greater.

"For over 99 percent of the time, the cooling system has considerable excess capacity," Radecki says of the event center's system. "Knowing that we had a problem in the Breech chiller, this gave us the opportunity to tap that excess capacity by laying a piping loop between the buildings and pumping chiller water from the new high-efficiency O'Reilly chillers to Breech. Instead of buying a new stand-alone chiller for Breech, we were able to not only build the chiller loop, but also improve some of the building controls and replace the aging Breech boiler."

These major facilities decisions aren't the only places where Drury's administration is showing its commitment to sustainability. In fact, it's getting more and more difficult to find areas where these decisions haven't made an impact. New to campus this summer were a handful of park benches made out of scrap tires. A new countertop for the Welcome Center at Bay Hall is made out of recycled glass and concrete. Two of the recycling bins on campus outside of Breech and the Findlay Student Center are made from recycled milk jugs. Many of the golf carts on campus are now electric, with much of the gas-powered

fleet retired. Like the list of sustainable features at the new event center, the list of small but influential environmentally friendly features across campus goes on and on.

Jonna Shepardson, purchasing coordinator for Facilities Services, says that sustainable alternatives are always on the forefront of purchasing decisions.

"When making purchases, we'll gather bids on many alternatives, and we take into account the quality and value of





### Community and Academic Commitment

The green streak at Drury proudly continues outside campus operations, into the classroom, and out into the community. Sustainable learning is tied to the curriculum to give students a richer in-class and out-of-class experience.

Classes in Drury's GP21 program, for instance, often include course projects that revolve around green thinking. In the last academic year, Associate Professor Patrick Moser's Alpha class worked closely with Ozark Greenways to repair trails and

to secure a grant for even more improvements. Students involved in Think

Green! took the university's sustainability commitment off-campus, working with students at Boyd Elementary to expand the school's recycling program. A complete overhaul of the environmental programs degree offerings gives Drury students more options for careers in sustainability.

And, according to Wendy Anderson, one of the houses at Summit Park Leadership Community began this school year with a strong environmental focus.

The student teams that applied to live there for the current academic year were asked to address how their community service projects and their lifestyles would integrate with environmental sustainability. The strongest applicants were selected and will be competing with one another to see which of two groups of residents can alter their lifestyles to conserve and reduce the most energy.

Living. Learning. Changing the way we think. Yes, sustainability at Drury is not a vague concept. It's not a noun.

It's action, it's thriving and it's the way we operate.

# Sustainability

### THROUGH TIMES OF CHANGE

BY WENDY ANDERSON
Director of Campus Sustainability

Technological change, climate change and land use change are among the myriad consequences of human population growth. This growth has brought our existence on this planet to a state of crisis.

But crisis creates opportunity, spurs innovation and brings people together to collaboratively seek solutions. As educator and scientist Carl Folke so aptly said, "Sustainable development does not imply attaining and maintaining states of balance, preserving existing conditions or shutting out change. The world is complex and dynamic and characterized by uncertainty and quick—often unexpected—changes, with sudden tipping points and new directions we must learn to relate to, live with and develop alongside."

Adaptation in a rapidly changing world will ensure that humans and the natural systems that we depend on will persist well into the future.

Universities are a microcosm of society, and Drury is no exception. In stride with the national and international sustainability movement, Drury has embraced sustainability as a central feature of its academic and operational strategic goals.

In the 1970s, '80s and '90s, many charismatic faculty and student leaders courageously laid the foundation for Drury's commitment to the environment during a time when "environmentalism" was still pitted against economic interests and the drivers of "progress." Some of those faculty and student leaders during those decades included Dr. Ruth Bamberger (Political Science), Dr. Steve Jones (Biology and Environmental Science),

Dr. Don Weber (Physics), Phil Page '78, Eric Dannenmaier '81, Diana Shockley Sheridan '93 and Stacy Pugh-Towe '95.

The current sustainability movement fully recognizes that progress must occur through an integrated lens of environmental preservation, economic prosperity and social equity. A decision is not sustainable if all three of those conditions are not met.

Drury has embraced this integrated brand of sustainability as well in its operations, academic programs and community partnerships. Very few schools in the Midwest have taken quite as aggressive an approach to infusing this into the campus culture.

Our commitment has blossomed out of a shared value among the administration, faculty, staff and students who claim environmental responsibility as individuals and as members of the Drury community. With our commitment to global perspectives and engagement, this comes quite naturally. We strive to nurture students' understanding of their place as individuals in society and as members of global community, including sharing responsibility for the limited natural resources we all depend on. More and more of our students are having significant experiences with internships and local civic engagement, both in southwest Missouri and abroad, that involve making communities stronger while improving the physical environment.

We are also finding ways to use our own campus buildings and grounds as a learning laboratory for sustainable living, such as involving students in performing campus energy audits,





ABOVE ART BY SARAH JONES WITH ILLUSTRATION BY BEN WORRELI



will have a stronger grasp of sustainability issues that will nurture younger generations. Our

understand the impact of poor air and

water quality on human health. And we will have more students graduating with degrees in Environmental Science, Environmental Studies and Environmental Health than ever before. Drury is creating the physical and academic space to nurture those who will serve and lead in a rapidly changing world.

Change is inevitable. Major and rapid change is upon us. The ultimate solution is not a LEED-certified building, although that is a short-term solution. The solution is the ongoing ability to learn, to change, to adapt and to solve problems in smart, thoughtful and innovative ways so that all people and the planet will prosper.

As Drury faculty, students, alums, staff, administrators and friends, what is expected of us? We are hard-wired to have a sense of moral obligation to each other and to the rest of life on Earth on which we all depend.

What is expected is that we care, that we take care, and that we nurture life in all its forms, including our own children, our students and all other species with whom we share this limited and remarkable planet.

campus. Most important, though, Drury's hallmark liberal arts education teaches collaborative problem-solving skills, fosters innovation and encourages entrepreneurship. Such creativity will be the foundation of the "green economy" that will define the lives of our current students' generation and those beyond.

forward and improve our shared space for the common good.

On a daily basis, students are making sustainable food choices

room and choosing to walk or ride a bike instead of driving to

class. These efforts and even small individual actions to sustain

our campus infrastructure make a huge impact. Mostly, though,

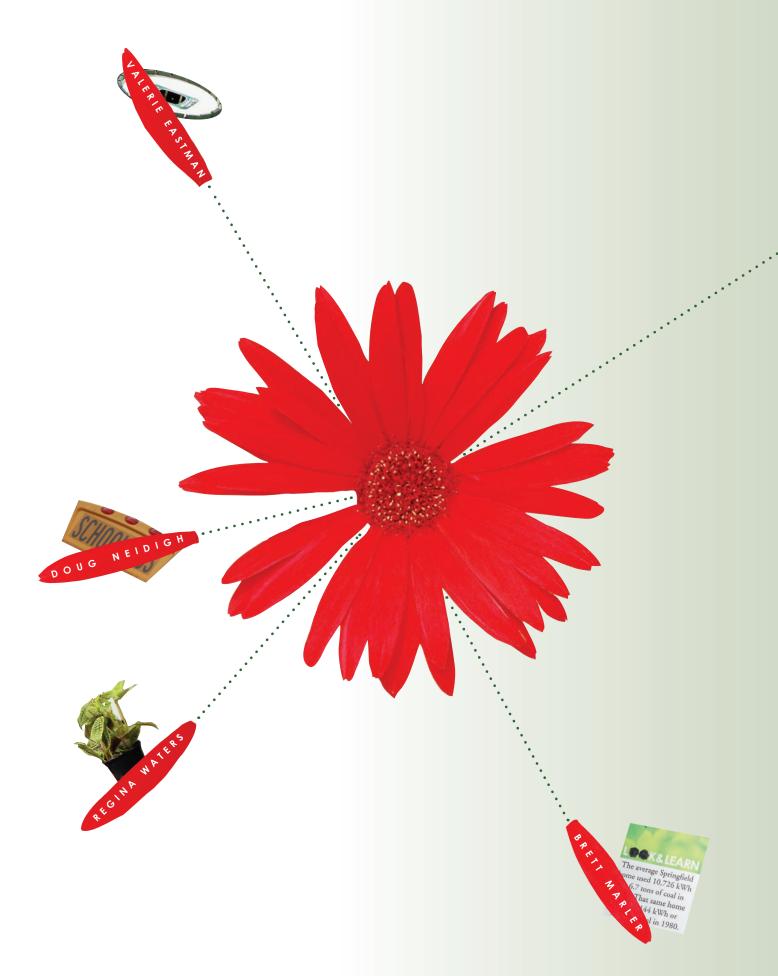
carry with them long after they have moved beyond our 80-acre

they are instilling an ethic and a behavioral pattern they will

in the Commons, remembering to turn off lights when leaving a

building that is required to move Drury

Our business majors will know how to operate sustainable businesses and deliver environmentally responsible products and services. They will account for natural capital on their books. Our architecture majors will know how to design buildings that are sensitive to a site's natural conditions and will minimize those structures' environmental footprint. Our education majors





"We are caught in an inescapable network of mutuality, tied in a single garment of destiny. Whatever affects one directly, affects all indirectly."

MARTIN LUTHER KING JR.

Dr. King was speaking about civil rights, but our mutual connection is a fact that's also preached in the environmental movement: we each affect the earth, and what affects the earth affects us all.

"Sustainability" and "going green" are buzzwords that have shown up everywhere from the evening news to your morning coffee cup, and the truth of how humankind's lifestyle might be inconvenient for the Earth leaves some people feeling skeptical or overwhelmed.

But if we see caring for the Earth as a way for us to care for one another, it is then only natural that Drury University has embraced and championed this cause. Here five members of the Drury community describe how their

## PERSONAL EFFORTS

have led to change on campus and beyond. Just as each petal is part of a flower's bloom, each member of the Drury community contributes something unique to the whole.

Two faculty, two staff members and a student share their stories of sustainability and show that sometimes, in fact, it can be easy being green.

(Don't tell Kermit.)



# ASSISTANT DIRECTOR FOR GROUNDS

When you hear the word "sustainability," you think about green buildings, recycling and ways to conserve energy and water.

While everything listed above is important, it's my job to think about Drury's grounds and to help maintain them while coming up with new and different ways to make the landscaping more sustainable.

Green or sustainable landscaping is a huge part of this. Green landscaping can be defined as an approach to landscaping that emphasizes plant health, environmental and social impacts, and an overall importance of the grounds from a sustainable point of view. Over the past several years, I have changed the way I look at the grounds. I used to focus on just maintaining what we already have, but now I am constantly looking at different, more sustainable ways to improve what we are doing.

When I plant a tree on campus, for example, I don't just pick out a tree, put it in the ground and forget about it. A lot of thought goes into that seemingly simple decision. I take into consideration the tree species, the ability to thrive in its location, what type of impact this tree will have on the campus and any buildings nearby, and, of course, I look at its aesthetic value.

Many people know that Drury University is labeled a Tree Farm, but not many people know that I am currently working on other designations for the campus as well. Tree Campus USA is a program from the Arbor Day Foundation that recognizes university campuses that effectively manage their trees and engage their students and local community in the life of the trees. Along with that, I am also working on another local designation within the Springfield community.

Begun over a year ago, the campus recycling program has grown into a lot more than I expected. It has been a challenge to work out all of the details, and we could not have done it without the help of my colleague Kevin Long, assistant director of custodial services, and a majority of the facilities department. We know recycling is also well worth the benefits for our campus.

So when you're out walking around campus, please don't forget about the members of the grounds crew who work to make Drury more sustainable.





# ASSOCIATE PROFESSOR OF COMMUNICATION

he Sustainability Convocation series (2005-2006) changed this campus.

And it changed me.

Over the course of the lecture series planned by Dr. Wendy Anderson, director of the President's Sustainability Council and professor of biology, I heard scientists, authors, policy makers and ordinary citizens discuss the threats and challenges facing our natural world. The events were often unsettling, but the speakers left me with the distinct impression that each person should and could take steps to conserve and preserve the natural environment.

I accepted the call to action.

I began by asking students in my public relations research and strategy class to develop a communication campaign persuading Drury faculty, staff and students to reduce energy consumption and increase their recycling of paper, plastics and aluminum cans. The class completed focus group interviews and conducted survey research to learn more about attitudes and behaviors of Drury community members. Armed with audience insights, students created communication strategies to educate individuals on the important role they can play in creating a more sustainable campus environment.

I joined the President's Council on Sustainability and was immediately impressed with the passion and determination of the people serving on the council. Students, staff, faculty and administrators were working together to identify and remedy wasteful uses of resources on our campus. More important, they were articulating a vision for Drury's sustainability efforts.

As a member of the council's public relations subcommittee, I became involved in the planning of Drury's first Earth Day celebration in 2009. The event was the perfect opportunity to launch a student campaign titled "It's Your Ability, Sustainability." The celebration featured reusable shopping bags, food from local producers and a potting table where participants could select and plant their favorite herbs and flowers. The activities reminded each of us that we have the power to perform simple, environmentally friendly actions in our daily routines. Our first Earth Day celebration went so well we have started an annual tradition of celebrating the gifts of planet Earth.

It is exciting to be a part of the emerging culture of sustainability on our campus. Working with students and colleagues to build a more environmentally responsible institution is energizing and empowering. If the past five years are any indication of what we can accomplish when working together, I can't wait to see what the future holds.







# PROGRAM MANAGER FOR THE OZARKS CENTER FOR SUSTAINABLE SOLUTIONS

Drury's Ozarks Center for Sustainable Solutions (OCSS) was established in 2008 with a grant from the Missouri Department of Natural Resources (MDNR). My purpose in creating the program was to provide area businesses and organizations with technical assistance to help them reduce waste, conserve resources and save money. I used a pollution prevention services model to help businesses and organizations reduce waste at its source, rather than through disposal or treatment options. Such efforts reduce more waste and save more money than regulatory compliance alone.

We work directly with businesses, non-profits and public entities to highlight the connections between economics, the environment and societal well-being. By offering services related to pollution prevention, resource management, energy conservation and environmental enhancement, we help organizations meet their own needs, while ensuring that they also meet the needs of future generations. We offer both technical assistance and customized training programs.

The OCSS program also integrates its work with the university's Environmental Programs by connecting students to organizations seeking sustainable solutions. Through our Pollution Prevention Internship Program, students obtain real-world experience, and the host organizations receive the necessary resources to investigate and implement a project that will help them reduce their environmental impact. One example is right here at Drury where students are conducting energy audits of campus buildings.

As OCSS grows in both staff and program offerings, our ability to connect students to broader sustainability efforts continues to expand. With the addition

of Amy Strickland-Minor '06, we have been able to secure additional grants that involve students in making a difference throughout the region. This year, we have opportunities for students to work on two grant projects obtained from the Environmental Protection Agency (EPA). One project will provide pollution prevention technical assistance to ten businesses. The other will provide indoor air quality assessments in the homes of those who suffer from asthma. Both allow students to work on projects that will benefit the environment and public health in various communities.

We work closely with other environmental organizations in the region. OCSS staff participates in the Ozarks Clean Air Alliance and the Community Partnership of the Ozarks Environmental Collaborative. Since 2008, OCSS has partnered with the Ozarks Clean Air Alliance and MDNR to bring more than \$2 million in clean diesel grants that will help retrofit or replace equipment at southwest Missouri businesses and public institutions. Thus air pollution from diesel exhaust will be cut. This funding has helped 19 school districts in southwest Missouri reduce air pollution from buses and improve air quality for students and their communities. This effort has also helped 22 private businesses reduce idling and improve fuel economy in heavy-duty diesel trucks; this results in reducing air pollution, conserving fuel and saving money.



# 2010 GRADUATE AND FORMER PRESIDENT, THINK GREEN

Playing croquet on a plot of sod covering a parking space outside
Springfield Hall one day, I wondered what had led me from being a relatively uninvolved student in earlier years to being the president of Think Green!,
Drury's environmental group.

We were indeed the reason for the s

We were indeed the reason for the sod and croquet, as well as lawn chairs, umbrellas and free reusable bottles on a beautiful but windy spring day this past year. We were attempting to make a statement about urban sprawl and the lack of green space.

So what brings me or any student to do this in exchange for a nap or extra study session?

Drury provides every student the opportunity to learn that we live in a global, interdependent system. In particular, the state of the global environment is a result of the decisions each state, community and individual make regarding how responsibly (or not) they use the resources our planet provides.

Throughout my years at Drury (and thanks to several engaging internships related to the subject) I realized that knowing and acting are very different degrees of responding to the facts at hand. At first, going to Think Green! meetings my junior year and visiting with other students already dedicated to action allowed me to do something about the new awareness I had concerning environmental issues.

Advocating environmentalism on campus and in the Springfield community is challenging. Just being a liberal arts university doesn't automatically make Drury environmentally friendly. We're seeking to improve campus policy and student behavior and make people aware of recycling, transportation, energy use and how they vote. Obviously, there is

much to push for when it comes to advocating an environmentally friendly Drury.

With so much ground to cover, one day we would find ourselves knee-deep in dumpsters searching for plastic bottles to recycle, while the next day dropping off petitions at Sen. Claire McCaskill's office downtown. But in a group like Think Green!, long days and strange looks simply become a part of what it means to take the risk of putting your beliefs into action.

Luckily, Think Green! has found a faculty and administration that enthusiastically supports our goals. And, just as lucky, I was able to join a diverse and dedicated group of students with shared interests in preserving the environment, a group that will live on. Within these support groups, I understood that cooperation between motivated individuals really accounts for getting things done—in this case, blazing new trails for an environmental Drury.

What I realize more than ever after graduating from Drury is that all of the effort Think Green! puts in is important not only because it makes our small community more responsible for how we live on this planet, but because it amounts to doing something for what we believe.

It means understanding that in a world where information and talk are cheap, sometimes skipping a nap to protest on a plot of sod makes all the difference.



# ASSOCIATE PROFESSOR OF PSYCHOLOGY PSTMP

teach a course on the psychology of sustainability, and a major part of this course is talking about how human behavior is related to sustainability issues. In particular, if human behavior is responsible for environmental problems, then human behavior must be changed in order to fix these problems.

So how do we go about this?

Is it enough to educate people about the environment? That is a good first step, but education alone doesn't always lead to behavior change. There is also sometimes a disconnect between saying and doing.

Most of us say we believe we should take steps to protect the environment, but we don't always follow through with action. For instance, in one research study, 94 percent of participants said they felt they should take personal responsibility for picking up litter, but less than 2 percent actually picked up a piece of trash that had been planted by the researchers. Similarly, just because we believe we should use less fossil fuel doesn't mean we are going to opt for the bus rather than driving our cars.

So how, then, do we change behavior? First of all, we as humans often do what is most convenient at the time. So how do we make sustainability convenient? Drury has recycling bins all over campus, right next to the regular trash cans. So now it is just as easy to throw that soda can into the recycling bin as it is the trash. Likewise, how do we get people to ride their bikes to campus rather than drive? There must be safe and convenient bike paths and bike racks. Or take a bus? While there is a bus stop conveniently located on campus, not everyone in the Springfield area also has a bus stop near his or her home. So even if we want to change our behavior at the individual

level, decisions made at the organizational level, such as bus routes, may limit our options.

So what can organizations and societies do to encourage behavior change?

Sometimes a law or policy must be put in place in order to initiate change. For instance, most people began to use seat belts after it became the law in the state of Missouri. What used to require thought and effort is now routine for many people. Drury can also create policies that encourage sustainable behavior. For example, requiring all construction projects on campus to use sustainable materials and practices may lead to extra effort at first, but soon the eco-friendly option becomes routine.

How else can we change behavior?

We are social beings. We want to fit in and be accepted. Knowing that our friends and neighbors are doing something makes it more likely that we will do it ourselves, such as recycling or backyard composting. This can happen at an organizational level as well. Drury is part of a consortium of colleges and universities that have made a commitment to sustainable practices. Our eco-friendly behavior can then serve as a model for other universities who may want to emulate us.

Changing behavior is difficult but not impossible. If we value our children and their futures, we will change and change for the good of Mother Earth.





### THE GREENING OF DRURY

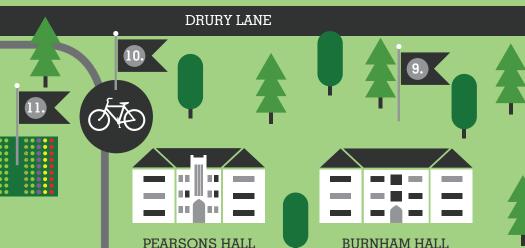




### SUSTAINABILITY ON CAMPUS

- 1. Solar Panels
- 2. Campus Green Space
- 3. Gold LEED Certified Building
- 4. Rain Gardens
- 5. Native Plant Garden
- 6. Recycling Office
- 7. Sustainable Features
- 8. Stone Chapel Renovations
- 9. Tree Farm Designation
- 10. Bike Path
- 11. Community Garden







### A HISTORY OF GREEN PROGRESS

Convocation Series Theme Year: Sustainability for 2005-06

Hiring of a part-time student recycling coordinator and a student recycling assistant

Drury publicly signed the American College and University Presidents' Climate Commitment and is part of the Leadership Circle of the first 25 schools. Over 650 institutions nationwide are now signatories.

**BURNHAM HALL** 

■ Establishment of Director of Campus Sustainability Position

First annual Campus Beautification Day established May 2007. All of campus worked together to plant trees and flowers after ice storm damage on campus.

2005

2006

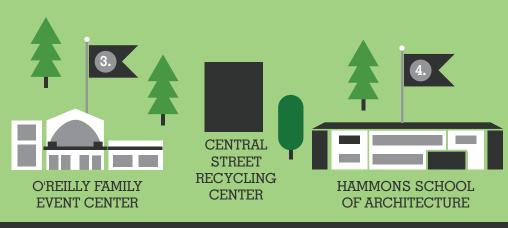
2007

Formal establishment of President's Council on Sustainability

The President's Council on Sustainability engages the campus community to identify, evaluate and prioritize recommendations to the president and the leadership team on sustainability issues.



## AWARDS & GRANTS



### Pearson Publishing Sustainable Solutions Award (\$2,000)

### Johnson Controls Foundation Sustainability Initiatives grant (\$5,000)

### Missouri Solid Waste District O grants for recycling (\$17,900 in 2007 and \$12,000 in 2008)

### Multiple sponsorships for co-sponsored EPA Midwest Summit for the Sustainable Redevelopment of Contaminated Properties in Feb. 2007 (>\$20,000)

### Coca-Cola and National Recycling Council – 60 new indoor and

### outdoor recycling bins for plastics and cans in 2007

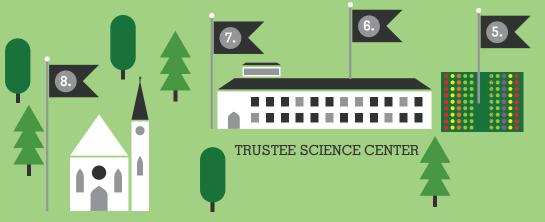
### Establishment of Ozarks Center for Sustainable Solutions (OCSS) with grant from Missouri Department of Natural Resources (\$60,000) in

### Community Foundation of the Ozarks seed money for establishment of Ozarks Carbon Exchange Fund (\$20,000)

## from DNR to administer Diesel Emissions Reductions program (2009-2010), including more energy efficient school busses for Springfield Public Schools

OCSS/Drury awarded \$1.8 million

### DRURY LANE



### STONE CHAPEL

- Establishment of Vice President for Campus Operations and Sustainability
- Allocation from general fund (20K for 2008-09) for sustainability initiatives
- Establishment of Ozarks Center for Sustainable Solutions
- Establishment and maintenance of Central Street Recycling Center on Drury's Tindle Mills property to serve Drury and neighborhood
- Installation of geothermal heating/cooling system in Stone Chapel

Inclusion in Princeton Review's Guide to 286 Green Universities, Spring 2010. Only school in Missouri to make this Green Guide.

O'Reilly Family Event Center—arena with goal of LEED Gold certification

Razing of Turner Hall and Belle Hall to create more campus green space

Establishment of new bike paths connecting the north and south areas of campus

2008 2009 2010

Approval by Student Government Association of \$20 student fee for sustainability initiatives (\$30,000 annually)

- Installation of solar panels on the roof of Smith Hall to offset energy use
- Trayless dining (reduce water, detergent and energy use; reduce food waste; reduce food consumption) in The Commons dining hall
- Students in Free Enterprise (SIFE) develops Ozarks GreenScore to educate, motivate and assist area businesses and organizations in adopting environmentally sustainable practices





### BY BILL NOBLITT

hat was Eric Dannenmaier thinking when he left Drury after only one semester to go traveling across the country? Didn't he know a move like that would slow his graduation, keep him from academic achievement, move him into a lower paying job?

### HE DIDN'T CONSIDER THAT.

He wanted to see more of the country. So he quit Drury and moved to Austin, planning to transfer to the University of Texas. But to do that he had to establish residency in the Lone Star State so he wouldn't have to pay out-of-state tuition. That would take a year. So after a few months of part-time work he decided to travel across the West – from Mexico to Canada – a trip that included hitchhiking along the coast from California to Washington and back again.

# THE ACTIVIST STUDENT

Dangerous at 18? You betcha. But did Dannenmaier care? Not only no, but hell no. After all, life's an adventure. Partake and enjoy. Let the future take care of the future. Your moment is now.

Traveling gave him plenty of time to think. Your imagination runs away with you when you're alone and walking under a night filled with a zillion stars. What does the universe care? you ask yourself. A trip across the great American desert gives you time to imagine an Earth that might become sand and barren hills.

While traveling back through the Midwest in early fall, he took a detour to Springfield and Drury to visit friends and family. The dean saw him on campus and asked why he dropped out.

"I was bored," he explained.

The dean said: "we'll give you your scholarship back if you return."

And it's no wonder the dean encouraged him to return. The year Dannenmaier entered Drury he had scored in the 99th percentile on the ACT, so he was a top academic recruit. Someone this smart might easily get bored at any university. Although he says Drury challenged him, he had wanted to see a different part of the country. He had found his first semester a bit tedious, but the dean said he could move past freshman requirements and jump into new subjects. This was more interesting than a return to part-time jobs in Austin while waiting to qualify for in-state tuition. Besides, he liked Drury, and he had friends and a supportive community here—so return to Drury he did.

His move from traveling the country to being deeply involved with sustainability issues is not that far a leap. This was work he started after his return to Drury and work he has done since he graduated. The spark that created Dannenmaier's passion for sustainability took place in a Drury classroom. The spark roared to a fire as his sense of adventure turned in the direction of a new passion: the environment.

It all started when Dannenmaier decided to take a class in ecology with Professor Stephen Jones in the biology department. "I absolutely loved it. This was not long after I had returned. Jones was great. The subject was great. I decided to double major in biology and political science, with a special emphasis in environmental studies.

"As part of the major, I took genetics from professor Laura Bond. She was phenomenal. I worked my butt off and got a B+. It was the worst grade at Drury that I really worked for. And professor Ruth Bamberger in political science. I loved her courses. She became a mentor."

He was hooked. Today, Dannenmaier's still hooked.

His vita shows a man well traveled, and he admits visiting and working in more than 60 countries. He is a graduate of Boston University Law School, Columbia University Law School (Kent Scholar) and Oxford University (with Distinction), and has published widely on environmental rights and environmental democracy. He was also the Bretzfelder International Law Fellow at Columbia University in 2006-07 and directed Tulane University's Institute for Environmental Law and Policy 2001-05. He served as legal advisor for the Environment to the US Agency for International Development from 1996 to 2000, working through the Center for International Environmental Law in Washington and the University of Miami's North-South Center. He was visiting chair of natural resources law at University of Calgary in Canada in 2001.

### THE STUDIOUS ACTIVIST

The seeds for his passion for the environment were planted early in life. Being the son of a Drury professor, Dannenmaier remembers as a child watching the Gemini missions in the university's CX, and he was filled with wonder. His wonder took off with the moon mission. "There was a sense of achievement brought on by the space race," he recalls. "It was the whole idea of exploration, of using science to advance humankind's knowledge."

The university became his playground. The ivy on Stone Chapel's back door made it a wizard's entrance into another world. He and his brothers played among Drury's many trees with imagination. He remembers something else as well. "I remember a protest on campus when all these trees were cut down to build Smith Hall in 1966. On one of the trees, a sign was hung that said: 'We spit on those who cut down our beautiful trees.' "That image stayed with him.

As a senior at Drury and student body president in 1980, Dannenmaier learned firsthand how the university prepares its students for the real world. He became deeply involved with a new environmental group, Citizens for a Radioactive Waste Policy, which opposed the impending construction of the first nuclear power plant in the state. They gathered petitions to place a referendum on the statewide ballot for November 1980 (Proposition 11) that would have required demonstrated safe waste disposal and a decommissioning bond for any future nuclear plant in the state. "We weren't against nuclear power per se. We were just concerned about what would be done with the waste. Over time the plant would produce waste which would remain radioactive for hundreds of years, and the plant itself would become radioactive — and no one had a plan to manage the waste safely and permanently."

These times were fun but hard. He took an overload his senior year and became the nuclear waste organization's chief spokesperson in the southwestern part of the state. Since he didn't own an "operable car," others in the organization always provided him with a loaner so he could attend speaking engagements.

Dannenmaier learned a hard lesson in life from this experience. It happened when the citizens' group sought equal television time under federal law to counter the utility industry's well-financed media campaign against Proposition 11. The group consulted a lawyer to urge local TV stations to grant equal time under the law, but the attorney explained to them "yes, broadcasters should do this, but we would have to sue them to make

them do it and by the time we won, the balloting would already be over."

It was an "ah-ha" moment for Dannenmaier. "I had wanted to be an environmental scientist because I wanted to be deeply involved in working for the environment, but I realized that I couldn't always protect the environment in that role. It doesn't do you any good to conduct research and provide evidence if you can't get a company to do the right thing." From that moment, he wanted to be a lawyer who would make a difference.

# THE WELL-RESPECTED ENVIRONMENTALIST

Dannenmaier went on to law school after Drury, practiced in Boston and Washington, D.C., and then began working in developing countries where environmental and economic interests often clash. He has worked for more than 15 years in the international field to support environmental conservation and sustainable development based in Washington and later New Orleans. In 2007, he settled into the role of law professor at Indiana University in Indianapolis, but he remains active in overseas projects. His research is focused on international development and democracy, and his work just this past year has taken him to Cairo, Geneva and Marrakech.

He's so respected in his field that he's been quoted by *Newsday* and *The New York Times* on such environmental disasters as Texaco's alleged shoddy disposal of oil into streams and rivers and more than 600 open pits in the Ecuadorian Amazon from 1974-1990. The lawsuit has gone to U.S. and Ecuadorian courts and has become a bellwether case in international law.

"Companies have for years used low environmental standards in the third world as a legal defense for practices they know would be unacceptable in their own countries," Dannenmaier was quoted in the *Times* article. "This case may cause that legal defense to crumble."

A ruling for the plaintiffs "would be a wakeup call to corporations that have been, or continue to be, lax in developing countries," he's quoted in the *Newsday* article about the case.

Dannenmaier makes it clear, however, that environmental responsibility isn't about stopping development in our country or others. "We just need to minimize harm," he points out. "It's our obligation to our fellow citizens and to future generations."

So how do we create international law that encourages sustainable development? "We have to do it in a way that keeps costs down

while harming the environment as little as possible. It's cheaper not to put toxic waste in the water or air in the first place."

Dannenmaier gives the example of car seat belt requirements approved in 1966. "Congress required seat belts because of the injury costs of not having them in our cars. The insurance companies lobbied to make that happen. We have to pay a few dollars more to be safer." Dannenmaier also believes the economy and the environment are connected in ways some fail to recognize – that environmental protection is a sound economic choice.

#### THE ACTIVIST'S ANGELS

At the same time he was spokesperson for Proposition 11, a senior with a credit overload and student body president, Dannenmaier also was on Drury's presidential search committee. He traveled with then Vice President for Development Judy Martin Thompson to Washington, D.C., where they met with Jim Fisher, a Drury board member and president of the Council for Advancement of Education, to talk about the presidential candidates. On the plane back to Springfield, Thompson asked him: "What are you doing after graduating from Drury?"

Dannenmaier told her he wanted to go to law school but that he couldn't afford it. Quite frankly, he couldn't even afford the application fee. His grandmother was going to help him with the fees, but she became ill and was hospitalized.

He told Judy: "I haven't had time to work this year with all my other activities. In fact, I've been avoiding my landlord because I haven't paid my rent in two months."

She pulled out her checkbook and wrote him a check to cover his rent and law school application fees. She also contacted some of Drury's trustees who arranged a loan to help cover the cost of law school. He was surprised, and extremely grateful. He now calls her one of the angels who helped him at Drury and in life.

Thompson remembers Dannenmaier as the great compromiser on Drury's Presidential Search Committee. "I was very impressed with Eric," she says now. "Sometimes when trustees would lock horns over this or that presidential candidate, Eric would say: 'Let's step back a minute and analyze the situation.'

That investment paid off—for Drury, for Dannenmaier himself and for the environment. Activism doesn't die after college. It just takes different forms.

> ASK DANNENMAIER, THE ACTIVIST STUDENT.

#### BY KAREN SPENCE

"Green architecture" is a phrase that reminds me of one of my favorite bumper stickers: "Stamp Out and Abolish Redundancy." Shouldn't every building be designed and constructed in a way that uses resources efficiently and responds to the environment sensibly?

Yet people often ask if I teach and design "green architecture" and rightly so. It is estimated that building construction and operations consume 40 percent of the world's energy. This activity uses 40 percent of all extracted materials and is responsible for more than 30 percent of carbon dioxide emissions. Clearly, building is an industry that needs to consider wisely its use of resources and relation to the environment.

Green architecture speaks to how designers can be smart about their actions, creating a situation that benefits everyone and everything. As an architect, I believe this can be a win-win scenario: people deserve buildings that last longer, are more comfortable and healthy, use less energy and are less expensive to operate. Our environment is worthy of architecture that works in harmony with it, sustaining our communities and ecosystems at both local and global levels.

While green architecture is a general term, other environmentally-related phrases are also commonly heard. LEED, which stands for Leadership in Energy and Environmental Design, is an international third-party rating system and often discussed in relation to the performance of a building or the certification of a professional. Carbon footprints

are a measure of greenhouse gases produced by our activities. There are many other topics that offer different angles for understanding sustainability. Green architecture, however, is a phrase that operates at a broad level, addressing environmentally friendly efforts in buildings.

A few of my students always want to debate whether or not green architecture is no more than politically correct or trendy. I'm more than happy to participate in such discussions. The weather in the Ozarks always makes for good conversation about global warming. Yet regardless of one's interpretation of the latest hail storm or record flooding, the perspective I share with them is not grounded on climate change science. I simply believe that green architecture is the right thing to do.

There are many ways to achieve this type of building. It is not required that green architecture be new construction, nor does it have to include specific types of design elements or particular equipment. There is certainly more than one way of being sustainable and there are many degrees of green architecture, or "shades of green," so to speak. The key is to find the ways that work for you and continue expanding them.

Replacing incandescent bulbs with a variety of recent lighting technologies is something that everyone recognizes as part of the green building movement and a great place to start. Updating equipment to obtain the best efficiencies reduces energy consumption and lowers operating costs, as does adding insulation and replacing older windows and doors.

Geothermal systems, which use the Earth to provide heat in the winter and absorb it in the summer, are becoming more and more common, as are solar panels and wind turbines. Actions such as these begin moving architecture toward being green, and that's exactly what Drury University has been doing recently.

From Stone Chapel's geothermal system to Wallace Hall's renovation and Smith Hall's solar panels, Drury is taking important steps to improve existing facilities in an environmentally friendly way. I am excited that these historical structures are now also teaching tools for how to live more sustainably. Drury's new construction is taking the same path, as the O'Reilly Center introduces a combination of green building approaches that range from storm water retention to superior equipment and systems ratings.

While these are wonderful steps, I know that even greater green architecture possibilities exist for Drury as well as the rest of our built environment. It is rare that a building generates its own power using renewable resources today, but I hope this will be the standard in tomorrow's buildings. Rain water collection systems can also become more common, even being integrated with waste systems. Each building element will be reusable, recycling everything from carpet to ceiling tile. Nothing will be sent to the landfill. All buildings will be healthy and comfortable. Even the land in which the building is located will be better because of a strong relationship between the site and the facility.

I believe that all these possibilities are within reach. If we continue to pursue

these green approaches, we will achieve a significant paradigm shift, perhaps even the greatest of our history. That is, if we succeed in constructing, renovating and maintaining a built environment that operates not to exploit the environment but become part of it, we'll adopt a view of buildings and nature in which the two work with respect for one another. Buildings and their environments will finally be recognized as the holistic system they are.

While this paradigm shift is achievable, it cannot be done without a commitment to it. Not only does the building industry have to continually improve the technologies, but we have to step up our actions as well. Adoption of green building systems is a must. Persistence in embracing sustainable habits is necessary, such as turning off lights, adjusting thermostats, operating windows and shades and maintaining equipment. Improved comfort in buildings may be gained only if we consciously think about and put to work the green measures around us.

I am looking forward to the day that green architecture is simply the way construction is done, and there is no other way to build. A shift of this magnitude doesn't happen overnight, but we are certainly on our way. I am proud that Drury is being proactive in this movement and serving as a leader and teacher for green building in the region.

Karen Spence is assistant professor of architecture at Drury University.



HLC 2010

### HIGHER LEARNING COMMISSION VISIT

Drury University is seeking comments from the public about the University in preparation for its periodic evaluation by its regional accrediting agency. The University will undergo a comprehensive evaluation visit November 8-10, 2010, by a team representing The Higher Learning Commission of the North Central Association of Colleges and Schools. Drury University has been accredited by the Commission since 1915. The team will review the institution's ongoing ability to meet the

The public is invited to submit comments regarding the University to:

Public Comment on Drury University The Higher Learning Commission 30 North LaSalle Street, Suite 2400 Chicago, IL 60602

Comments must address substantive matters related to the quality of the institution or its academic programs. Comments must be in writing and signed; comments cannot be treated as confidential.

Comments may be submitted online. Visit www.drury.edu/magazine and look for this story.

#### **Architecture**

Students Stacey Jawor, Ivy Hurst, Donovan Ross, Matt Kempf, Ben Pruett, Robert Deal, Chad Walker, Patrick Butler and Nathan **Buck** spent their Memorial Day weekend making a home more accessible for an elderly Springfield couple. The team designed and built a wheelchair ramp as part of Freedom by Design, a program of the American Institute of Architecture Students (AIAS). This nationwide program is designed to help architecture students effectively serve the needs of their communities. Students coordinated with Springfield City Planner Randall Whitman and licensed architect Brad Erwin to carry out the project, along with discounted materials from Meeks Lumber Supply.



#### **Athletics**

#### Remembering Coach Marvin Walker By Dan Cashel

Coordinator of student affairs & athletic events

The 1980s can be called the "Marvin Walker Decade" in Drury basketball. From 1980-1991, Walker's Panther teams won five NAIA District 16 titles – more than any other coach in Drury history. His 249 wins place him second on the Drury all-time list for career wins, trailing only A.L. Weiser who had 316 wins over his 31-year career. Walker was District 16 Coach of the Year in 1984, 1986 and 1989.

Everyone knew the intense coach that was Marvin Walker, but not everyone knew the other side that truly made Coach Walker special. I was one of those lucky individuals who knew both sides. He cared for people in such a way that you knew he was your friend... for life. Under his rough exterior was a sensitivity and softness that changed lives.

Tom Stout '69, a member of the Drury Board of Trustees and a long-time Drury athletic booster, remembers Walker, the coach and the person.

"Marvin was a great friend and he was a tremendous credit to Drury," Stout said upon learning of the death of his friend. "While he was an intense competitor as a coach, he did care more about his players as people. He was a true competitor in terms of basketball and he expected their best, but those standards applied to all aspects of life."

Tommy Deffebaugh '85, M.Ed. '92, now a member of the basketball coaching staff at Fayetteville High School, continues to stay in touch with Coach Walker's lifetime assistant coach, his wife Marilyn.

"Marilyn and Coach Walker were parents to a team of players and they made it their responsibility to take boys and raise them to become young men by the time they graduated," Deffebaugh remembers. "When I



Marvin Walker

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look back, Coach Walker's whole idea about coaching was learning more about life than scoring points or winning games. That was important, but he had a bigger smile when he saw us walking across that stage with a degree than he did after any basketball game."

Walker passed away in early March at a Pittsburgh, Pennsylvania hospital after battling a respiratory condition for several years. While basketball was his life, his family was his love. He is survived by his wife Marilyn, two daughters Kim Buschman and Jill Bown, sons-in-law Alan Buschman and Matt Bown, four grandchildren Mary, Abby, Alex and Matt, and many Panther fans who fondly remember a bigger-than-life coach who was a major presence at every Drury basketball game for 11 years.

#### **Civic Engagement**

Global Civic Engagement Project (GCEP), co-directed by **Dr. Michael Hill** and **Andrew Wiemer**, celebrated the end of a year of service learning at the first annual Civic Engagement Awards on April 21.

GCEP projects included First Year Alpha Brigades, where alpha seminar classes partnered with local nonprofit organizations. Partnerships included:

Dr. Jeanie Allen and Charlyn Ingwerson,

Groupo LatinoAmericano; Dr. Randall Fuller, Urban Neighborhoods Alliance; Dr. Mick Sokol, Residential Arts District Initiative; Dr. Eric Paul, Greene County History Museum; Dr. Charles Taylor, Foundation for Springfield Public Schools; Dr. Rebecca Denton, National Alliance for Mental Illness; Dr. Sean Terry, James River Partnership; Dr. Michael Hill, Springfield-Greene County Health Commission; Dr. Rich Schur, Community Partnership of the Ozarks.

**Dr. Patrick Moser's** Alpha Brigade (pictured below) worked with Ozark Greenways and won the "best partnership" honor. The class helped secure an \$8,300 grant for the organization and developed print and web-based resources, including a commemorative book for Ozark Greenways' 20th year.

Student Union Board's annual Alternative Spring Break trip took 13 students to Los Angeles, California. The group worked with the Dream Center, a volunteer organization dedicated to helping the homeless and disenfranchised. Student volunteers included: Bonnie Lyons, Kaleb Doss, Cassie Walton, Brennan Scott, Ben Wright, Lauren Saunders, Lauren Schuyler, Jessica Johnson, Heather Carrell, Garrett Hillman, Brittany Gasser, Kelsey DeVries and Taylor Harms, along with SUB Advisor Allison Griffith and Fraternity House Director Brandon Lawson.

#### Communication

Drury video students, led by instructor Brian Shipman, won more first place awards than any other college or university at the 2010 Missouri Broadcast Educators Association Awards Competition. This is the second straight year that Drury students have dominated the first place awards. Honored students included Bobby Hearn, Jared Hall, Charles Yeager, Naru Narayan, Chris Beckman, John Miller, Sophie Parker and Stephanie Greene.

Drury's student newspaper, the *Mirror*, was named Best Overall Newspaper at the 2010 Missouri College Media Association awards banquet. The *Mirror* was also awarded sweepstakes in its division, a recognition given to the college newspaper winning the most award points overall.

#### **Education**

For the 10th straight year, **Dr. Rebecca Burrell's** course Building Community
through the Arts partnered with The Kitchen,
Inc. to create and inspire art with residents of
the Missouri Hotel. This graduate course is
designed to offer students an approach to creativity in everyday living and learning, while
giving students the opportunity to make a



difference within the Drury neighborhood. The artwork produced by Missouri Hotel residents was displayed in an exhibit titled "Your life is a masterpiece: What are you creating?"

School of Education & Child Development Director **Dr. Christopher Craig** received a grant from the Greene County Developmental Disabilities Board to start the Drury University Children's Center for the Visually Impaired. Currently the center is working to identify blind children from birth to three-years-old who could benefit from support services.

#### **English**

Associate Professor of English Dr. Randall Fuller was awarded a \$160,231 grant from the National Endowment for the Humanities for a summer workshop to study the Battle of Wilson's Creek. This summer, Fuller hosted around 80 high school teachers from around the country for a workshop called "Wilson's Creek: How a Forgotten Battle Saved Missouri and Changed the Course of the Civil War." The teachers learned about the battle of Wilson's Creek, the first major battle fought west of the Mississippi, and will implement that knowledge in their history and literature courses. Dr. Jayne L. White, professor of education and child development, also participated in the workshop.

#### **Human Resources**

Human Resources Student Assistant Lindsay Fiedler (below center) was named Drury's 2010 Student Employee of the Year. Fiedler's nomination was then submitted to the Midwest Association for Student Employment Administrators where she was also selected as the 2010 Missouri Student Employee of the Year from all the nominations submitted by universities in the state of Missouri.



#### **Interdisciplinary Studies**

Five educators from Iraq visited Drury this spring as part of a new five-year program that will send Iraqi students abroad on government scholarship. Iraqi and American educators are collaborating to bring Iraqi students to the U.S. where they will study at American universities before returning home to help rebuild Iraq's higher education infrastructure.

Springfield's Power 96.5 radio station interviewed associate professor **Dr. Rich Schur** about his new honors course "Hip Hop Nation." This course, offered for the first time this past spring, explored the history and culture of the popular music style.



Web extra: To listen to Dr. Schur's interview, visit www.drury.edu/magazine.

#### **International Programs**

Fifty-one percent of May graduates completed a study abroad experience in a semester-long or short-term program. Scholarships from the Drury community help make study abroad experiences possible every year.

Education majors **Amber Wine** and **Rachel Warrington** received the Hem Sheela Model School endowed scholarship for six weeks of student teaching abroad.

For summer 2010: Saori Nakayama, Stephen Clond, Layne Hunton and Fallan Skidmore received the Baron Annual Study Abroad Scholarship; Brittany Phillips received the Brian Bennoch Annual Study Abroad Scholarship; Valerie Ray received the Jackie Warren and Todd Lowery Annual Study Abroad Scholarship for Florence, Italy; Colin O'Sullivan and Daniel Renner received the Steven D. Seibert Scholarship; and Samantha Gripka and Michael Czajka received the Stephen H. Good Endowed Scholarship.

There are 17 approved short-term study abroad trips for 2011 and many opportunities to provide support to students.

Individuals interested in donating should get in touch with **Susan Kirby**, Alumni & Development liaison for international programs at (417) 873-7354 or skirby@drury.edu.

#### Library

Springfield's Midtown neighborhood received the honor of Neighborhood of the Year runner-up in the Social Revitalization category at the annual Neighborhoods USA meeting in Little Rock. Associate librarian **Phyllis Holzenberg** is president of the Midtown Neighborhood Association, whose activities include a Fourth of July Parade, Victorian Homes Tour in December, summer concerts in Washington Park and a block party cosponsored by Drury student volunteers.

#### Philosophy & Religion

The School of Religion celebrated its 100<sup>th</sup> year with a Centennial Dinner on May 7. The dinner honored professors emeriti **Dr. Allen Eikner** and **Dr. Sam Smith**. Eikner, a 1949 graduate of Drury, retired after 31 years serving as professor, School of Religion dean, chair of the department and dean of the college. Dr.



Dr. Sam Smith



Dr. Allen Eikner

Samuel Smith III preached in Disciples congregations for a half-century. Smith served on the Board of Higher Education of the Christian Church (DOC) and was instrumental in church university relations during his 30 years at Drury.

A \$50,000 endowment effort will establish the annual religion lectureship in Dr. Eikner's name to recognize his extraordinary contributions to Drury and church relations, and the Smith Legacy Fund, which will support the annual activities of the Disciples on Campus student fellowship.

Associate Professor of Philosophy and Religion **Dr. Teresa Hornsby** was published in the May 23 issue of *The Chronicle of Higher Education*. Growing out of her impressive body of scholarship regarding the abortion controversy, the essay offers insightful and valuable suggestions for productively engaging difficult issues in (and outside of) university classrooms.

#### Sustainability

The Missouri Department of Natural Resources (DNR) recognized Drury's Ozarks Center for Sustainable Solutions (OCSS) and the Willard School District for their efforts to cut diesel emissions. Willard was the first school district in southwest Missouri to get new, cleaner school buses that emit up to 90 percent fewer pollutants. OCSS helped the school district retrofit six school buses with cleaner technology. OCSS is working with DNR to replace or upgrade buses at nine other school districts in southwest Missouri.

OCSS has another subgrant from the Environmental Protection Agency for diesel emission reduction and is accepting proposals for the grant funds. Contact **Doug Neidigh** at dneidigh@drury.edu for more information.

#### Check Out the New Bikes

In an effort to increase bicycle use, decrease the use of fossil fuels and promote wellness, Drury has 60 bikes available for student use this fall. Springfield Bicycle Company sold Drury 40 Jamis mountain bikes at a deep discount. These new bikes are available for semester-long checkout. Twenty more used



bicycles were donated by campus security, and those bikes will be available for short-term rentals.

This semester also welcomes a new bike path to campus. The 175-yard paved path connects the Jefferson Park apartments on the northwest end of campus to the FSC circle. The bike path and the bike loan projects were both funded by the President's Council on Sustainability and the President's Council on Wellness.

### **Postgraduate Honors**

Recent Drury graduates Victor Akunyili and Brett Marler received fellowships. Akunyili received the 2010 Harold P. Brown Engineering Fellowship to pursue a Bachelor of Science in biomedical engineering at Washington University in St. Louis this fall. The scholarship will grant Akunyili full-tuition for his two years of study.

Marler received a Fulbright-Yök English Teaching Assistantship (ETA) in Turkey. Along with 35 other ETAs, Marler will teach at Turkish universities and also act as an ambassador of U.S. culture during his nine-month stay. Marler made connections with Turkey as a student, interning with the American-Turkish Council through the Washington Center.

Mallorie Rodak, class of 2009, was one of ten college students awarded a scholarship by the American Advertising Federation-Houston and the Advertising Education Foundation of Houston. Rodak is a graduate student in the new Master of Arts degree program in advertising at Southern Methodist University.

#### EYOND THE LANE Class Notes

The Office of Alumni and Development shares class note updates in each issue of *Drury* magazine. Submit your class notes, marriage and birth announcements online at **drury.edu/alumni** or e-mail **alumni@drury.edu.** 

19 10s **Lester Cox** '18 was featured in an "Ozarks Moments" article by Paul Johns.

19 50s **Leila (Chandler) Medley** '59/M. Ed. '67 (Jefferson City, Mo.) received the Progressive Vote Coalition 2009

Lifetime Achievement Award.

19 70s Christina Fugitt-Griffiths '70 (Springfield, Mo.) is the owner of Farmers Gastropub in downtown

Springfield.

**Dr. Gary Buzbee** '71 (Rogersville, Mo.) and his company Buzbee Dental support National Children's Dental Health Month in February by offering an outreach program to area preschools and childcare centers.

**Judge Roy L. Richter** '72 (St. Louis, Mo.) has been elected Chief Judge of the Missouri Court of Appeals Eastern District by unanimous vote and will serve until July 1, 2011.

**Thomas "Tom" Chappell** '75 (Springfield, Mo.) joined Aaron Sachs & Associates as a lead investigator.

**Linda (Harding) Perez** '76 (Kingshill, Va.) was named chair of the international development coordinating committee for the International Reading Association.

Michael Pritchett '76 (Poplar Bluff, Mo.) has announced his candidacy for the Circuit Judge of the 36th Judicial Circuit comprised of Butler and Ripley counties.

**John Lightner** '79 (Springfield, Mo.) has been selected to be in the 2010 edition of "The Best Lawyers in America" in the area of personal injury litigation.

19 80s J. "Scott" Marrs '80 (Springfield, Mo.) has been selected as one of Springfield Business Journal's "12

People You Need to Know 2010."

**Stephen "Steve" Wierhake** '81 (Punta Gorda, Fla.) opened an independent financial services firm.

**Paul Wilson** '82 (Jefferson City, Mo.) was appointed by Governor Jay Nixon to Cole County Judgeship.

**Victor Agruso** '82 (Prospect, Ky.) was appointed to lead Beacon Enterprise Solutions Group, Inc.'s global human resource management efforts.

**Dr. Roger Buzbee** '84 (Rogersville, Mo.) and his company Buzbee Dental support National

Children's Dental Health Month in February by offering an outreach program to area preschools and childcare centers.

**John "Chris" Allen** '85 (Lebanon, Mo.) was voted first place in attorneys in the Lebanon Daily Record.

**Dianna (Maynard) Parker** '86 (Springfield, Mo.) was recommended to become a member of the Board of Public Utilities by Springfield City Council's Committee of the Whole.

J. "Ron" Carrier '86 (Springfield, Mo.) is the Child Advocacy Center's recipient of the 2010 Dr. John P. Ferguson Award for Child Advocacy. Dr. Ferguson, who the award is named after, is also an alumnus of Drury.

Sterling Huff '87 MBA (Springfield, Mo.) took over as Metropolitan National Bank's new president and CEO on March 31, 2010.
Randolph Blosch '88 (Bolivar, Mo.) an-

Randolph Blosch '88 (Bolivar, Mo.) announced his bid for the Dallas County Associate Circuit Court Judge race.

19 90s **Beth (Holmes) Carter** '90 (Rogersville, Mo.) was published in *It All Changed In An Instant*, a book of

six word memoirs. She has two memoirs published alongside various celebrities, authors, and Pulitzer Prize winners.

**Jeffrey "Jeff" Kulback** '93 MBA is the director of OTC's Lebanon campus.

Janet (Knott) Livingston '90/MBA '94 (Jackson, Mo.) was named interim director of The Discovery Playhouse, a children's museum.

**Norman Spencer** '91 M.Ed. (Monett, Mo.) is retiring from Monett R-1.

**Kelley Still** '92 (Springfield, Mo.) became the new director of the Edward Jones Center for Entrepreneurship and Innovation in April. **Lynn (Haas) Tynes** '93 (Springfield, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

Jeffrey "Jeff" Stahlhut '94 (St. Charles, Mo.) was named sports editor, NGNN.com

**Herman "Darrel" Vaughan** '94 (Waynesville, Mo.) has been promoted to the position of assistant superintendent for personnel services.

**Eric Street** '95 (Battlefield, Mo.) received his architecture license from the Missouri Division of Professional Registration.

Michelle (Miller) Clifton '96 (Nixa, Mo.) was a Springfield Business Journal "40 Under 40" 2010 Honoree.

Kenneth Starnes '96 (Little Rock, Ark.)

played on national television game show Jeopardy and won. He is a Jeopardy champion.

Michael "Quinn" Murphy '96/MBA '98
(Columbia, Ill.) has joined Armstrong Teasdale LLP as an attorney in commercial litigation including general business, construction, and health care litigation.

Jill Renner-Mowris '97/MBA '99 (Ozark, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

**Dr. Tracy Fite** '97 (Springfield, Mo.) joined the medical team at Skaggs Regional Medical Center's Branson West Medical Care as a physician. **Susan "SuEllen" (Deboard) Price** '98 (Mountain View, Mo.) was selected as the December "Teacher of the Month" by LHS Future Teachers of America.

Tyler Hedden '98 (Springfield, Mo.) was a Springfield Business Journal "40 Under 40" 2010 Honoree.

Gregory "Greg" Weaver '98/MAC '00 (Springfield, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

20 00s Matthew "Matt" Hudson '00 (Springfield, Mo.) was a Springfield Business Journal "40 Under 40"

2010 Honoree.

**Thomas Houston** '01 MBA (Marshfield, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

Cameron Black '01 (Springfield, Mo.) joined Ollis & Co. as the wellness director.

Nathan Pettyjohn '01 (St. Louis, Mo.) published an article on his company Aisle411 detailing a new text message coupon service tied to weather activity.

Matthew "Matt" Lemmon '02/MBA '09 (Springfield, Mo.) was named director of the digital content for Whitaker Publishing. Christopher D'Anna '03 received his MBA from the University of California Berkeley, Haas School of Business.

Michael Garner '03 (Springfield, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

**Dr. Thomas "Tom" Hoff** '03 (Springfield, Mo.) was a *417 Magazine* "20 Under 30" Honoree.

**Ryan Jones** '03 (Springfield, Mo.) was a Springfield Business Journal "40 Under 40" 2010 Honoree.

**Abby (Parsley) Thurman** '03 (Springfield, Mo.) earned her professional engineer license

from the Missouri Division of Professional Registration.

**John McNabb** '04 (Springfield, Mo.) received a Missouri architectural license.

Christopher "Chris" Lazzaro '04 MBA (Springfield, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

**Nicole Lierheimer** '04 (Springfield, Mo.) was a *417 Magazine* "20 Under 30" Honoree.

Jessica (Harrell) Pearson '04 (Springfield, Mo.) was a 417 Magazine "20 Under 30" Honoree

Amy Van Fossen '04 (Bloomfield, N.J.) accepted a new position as an associate tax attorney with the Law Offices of Starr, Gern, Davison & Rubin, P.C.

Amy (Monteer) Nelson '04 (Jefferson City, Mo.) was accepted to University of Missouri's speech language pathology program.

Julie "Elizabeth" Guillebeau '05 (Rogersville, Mo.) was a 417 Magazine "20 Under 30" Honoree.

**Staci Holland** '05 (Bolivar, Mo.) was a 417 *Magazine* "20 Under 30" Honoree.

Christina "Christi" (Heil) Gibson '06 (Springfield, Mo.) has joined the Board of Directors for Big Brothers Big Sisters of the Ozarks.

**John Odom** '06 (St. Louis, Mo.) was featured in an article in the *St. Louis Post-Dispatch* for the design of his loft.

Nancy (McAllister) Winfrey '06/MED '09 (Lebanon, Mo.) was the second place winner in the Elementary Teacher category in the Lebanon R-3 School District.

Amanda Callaway '06 (Springfield, Mo.) graduated from the University of Missouri School of Law in May 2009. She also passed the Missouri Bar Exam and was accepted to the Missouri Bar in September 2009, then hired as the Assistant City Attorney for the City of Springfield.

**Debra (Myers) Wax** '06 (Rolla, Mo.) was hired as a full-time nursing instructor at the East Central College Rolla campus.

**Shannon Huett** '06/MBA '08 (Poplar Bluff, Mo.) was featured in an article on her experience through the Peace Corps in Kazakhstan. **Tammy (Coffman) Bradshaw** '06/M.Ed.'09 (Mountain Grove, Mo.) completed her Master's Degree at Drury.

**Lori (Denney) Caffey** '06 (Conway, Mo.) received her Master of Business Administration from Webster University.

Billie Branstetter '06 (Humansville, Mo.) received Juris Doctor degree from Thomas Jefferson School of Law.

Natalia "Talia" Guerreiro '06 (Springfield, Mo.) graduated from the Assemblies of God Theological Seminary with a Master of Arts in Counseling.

Carrie Winston '07/MBA '08 (Springfield, Mo.) was a 417 Magazine "20 Under 30" Honoree.

**Douglas Stroemel** '07 (Shell Knob, Mo.) was named president for St. John's Hospital West Region.

Mallory (McGowin) Jarrett '07 (Lake Ozark, Mo.) is the public information officer for ACT Missouri (Missouri Association of Community Task Forces).

**Shawn Billings** '08 MCSJ (Battlefield, Mo.) was a *Springfield Business Journal* "40 Under 40" 2010 Honoree.

**Thomas "Weston" Kissee** '08 (Springfield, Mo.) opened an Edward Jones branch office in Springfield.

Jason Philpott '09 (Springfield, Mo.) has been assigned to Zone 4, which patrols Pulaski and Western Maries counties.

**Emily Manck** '09 (Houston, Texas) accepted the position of graphic designer at Biotics Research in Houston.

Casey Wormington '09 (Monett, Mo.) accepted a position as account coordinator at Sells Agency in Fayetteville, Ark.

Connor Michael to Sarah (Graddy) '00 & Patrick Tobin

Liren to **Lola (Jett)** '01 and Matt Block Fletcher Kirk to **Kasey (Breedlove)** '02 & Craig Morgan

Grant Dylan to Melanie (Parks)  $^{\prime}02~\&$  Dallas Jones  $^{\prime}00$ 

Elsa Addison to Kristen & Paul Schalekamp '02

Caiden Apollo to Sally (McCray) '03 & Christopher "Chris" Cannizzaro '02/MBA '03

Addison to Ashley (Mizenko) '04 & James "Jay" Godwin '02

Brinegar Darnell to Kristina (Mathieson) '04 & Christopher Darnell '03

Cameron Michael to Jessica (Chappell) '03 & Michael Garner '03

Patrick to Rebecca "Becca" (Cooper)  $^{\circ}03$  & Justin Hayes  $^{\circ}03$ 

Emma Lucille to Jessica (Bowmaster) '03 & Timothy "Tim" Robbins '03

Owen Nicholas to Jody (Palazzolo) '04 & Eric Jorgensen '03

Cyrus Sebastian to **Jessica (Harrell)** '04 & Joel Pearson

Rylee to Erin Slye  $^{\circ}08$  & Justin Slye  $^{\circ}05/$  MED  $^{\circ}09$ 

Molly to Sara (Perryman) '06 & Justin Floyd

Ruth to Laura (Bettison) '09 & John Lemmerman

#### **MARRIAGES**

Erin Langley '01 to Brian Dail
Jason Mitchell '01 to Meagan Smith '04
Colleen Blanton '02 to Michael Banks
Christopher D'Anna '03 to Angela Kung
Tyler Creach '05/MBA '07 to Krystal Prather '07
Holly Gray '06 to Justin Foss
John Hobbs '07 to Megan Blosser '08
Caitlin Pierce '08 to T. Weston Kissee '08

#### **BIRTHS**

Madeline McKelvey to Mary (Malcolm) '97 & Michael "Mike" Hashbarger '95
Anya to Melinda (Murray) '97 & Alexander Sobel

Evan Henry to **Kara (Short)** '99 & Jason Fauss Jacob Schweizer to **Erica Heinlein** '99 & Matthew Schweizer

#### **DEATHS**

Ben A. Parnell Jr. '39 David Engsberg '61 Marvin Walker '65 Jack Wiser '65 James Poarch '66 Arlee (Dann) Murray '68 Adrian Lee  $^{\circ}70$ Viola (Storck) Thomas '72 William Hopkins '72 Robert Piland '73 Wilma (Holmes) Pollock '77 Ricky Whitworth '80 L. "Alen" Schellack '80 James Cole '80 Robert York '85 Lisa Bebout '92 James Silsby '96 Phillip Roper, Trustee

Find Drury Alumni on Twitter and Facebook.
Stay up to date and follow @DruryAlumni or "like" Drury University Alumni.



#### **Wedding Bells in Shewmaker**

Shewmaker Communication Center is home to KDRU radio, DUTV studios and some special memories for one pair of Drury alums. "The Shewmaker foyer has sentimental value to us, and we wanted our wedding to join the other fond memories we had at Drury," says Jonathan McIntosh '05/MAC '07 who married Jessica Redmond '10 in Shewmaker on Dec. 28, 2009.

The couple now reside in New York City, where Jessica is a writer and Jon is a Teach for America corps member and learning specialist at KIPP:AMP Academy. Jon is also pursuing graduate work at Bank Street College of Education and Columbia University. Continuing the shared passion that brought them together as students, Jon and Jessica both teach speech and debate in the NYC Urban Debate League.

#### A Match Made in Breech

New business partners Tim Fraticelli '09 and Nick Altrup '09 met in Drury's MBA program. The two hope to help businesses take advantage of Springfield's "buy local" culture through their firm 417 Marketing.

"Drury gave us the tools necessary to start, and the inspiration to follow through," says Fraticelli. "Whenever you can surround yourself with quality people and great opportunities – from other students, to inspirational professors, to trips to China – it is going to have a positive influence on you. The relationships we developed during our time on campus have blessed us in ways we can't measure."





President Todd Parnell and Betty Parnell, Trustee Tom Warren and Nancy Warren, Vice President for Alumni & Development Dr. Krystal Compas and Scott Fink at a Drury Alumni event in Florida last April. Drury Alumni events could be coming to an area near you! Check www.drury.edu/alumni to register.



Thanks to generous donations from Drury's sorority alumnae, the new Hoblit Suite kitchen is up and running in the Freeman Hall Panhellenic building. The remodel features new appliances, better storage space and a general facelift. The space was christened at an open house on May 14.

### DRURY UNIVERSITY ALUMNI COUNCIL

Staying Connected, Giving Back by Kim Crist '97

s alumni, we all know Drury University is a special place. It is where we learned who we were, what we could become and what it means to be a community. When we left we were changed for the better, and most of us still long for that connection to the University itself. Even though we still keep in touch with old friends, teachers and staff, there is an ingrained sense to give back in some way.

One such opportunity already exists. It is the Drury University Alumni Council. This is the first of a series of articles to inform you of the purpose of the Council, the current initiatives and to offer you an invitation to join us in our endeavors. The Council not only benefits Drury; members also reap the rewards, both personally and professionally.

We have aligned the Council's goals and objectives to those of the University. They include:

- To ensure the university remains dedicated to its long-standing tradition of learning and enlightenment
- To support the university in its endeavors and commitment to global engagement
- To provide a vision and foundation for long term sustainability
- To encourage alumni to provide leadership and service to their communities and to one another

Interested? Then join us! We are always looking for more alumni with great ideas and a passion for Drury. Contact Meagan Mitchell at 417-873-7352 to learn how you can help.

Follow us online at www.drury.edu/alumni or visit the Drury University Alumni pages on Facebook and LinkedIn.



### 2010-2011 DRURY ALUMNI COUNCIL:

**From left**, first row: Skip Barnes '92, Marci Bowling '95, Chris Swan '97, Winter Skelton '05, Wes Miller '80, Weston Kissee '08 **From left, back row:** Brent Singleton '01, Marc Mayer '02, Kim Crist '97, Everett French '68, Meagan Mitchell '04, Justin Butler '05 **Not pictured:** Gary Banner '74, Krystal Compas '82, Tamara de Wild '92, Brian Jared '99, Michael Homeyer '93, Karen Shannon '82, Patsy Summers '64, Barbara Weathers, Mark Wood '81

#### The Council has identified various initiatives that will benefit alumni, students, faculty and staff and the greater community.

#### **Annual Fund**

A major factor in Drury's long term sustainability is the success of the Annual Fund. We realize the importance of these gifts, no matter what the size, and that is the catalyst for this year's challenge. The Drury University Alumni Council members will match up to \$2,000 of money raised by the 2010 Senior Class to go towards their legacy fund which will provide dollars for student scholarships and work study.

#### **Drury to Drury**

Drury to Drury, a business networking group, started in 2006 in Springfield. The goal is to develop new relationships with fellow alumni of various industries in hopes of providing new business opportunities and referrals for its members. We also have groups in Kansas City and St. Louis and are currently expanding to Tulsa and Northwest Arkansas. To date, more than \$50,000 in referrals have been reported as a result of this program.

#### **Alumni Recognition**

We feel it is important to recognize alumni who have made a notable contribution either in their career or to their community with the annual Distinguished Alumni Awards. Award categories include Career Achievement, Community Service, Young Alumni, and the Distinguished Faculty Award. We all know a Drury standout who deserves this honor. Download the nomination form online at www.drury.edu/alumni.



# Jason Bach

hat would you do if you had a green thumb, but you lived where you could grow plants only a few short months of the year? Would you resort to planting sprays of fake flowers throughout your home, or would you simply give up and embrace the barrenness of the landscape? Jason Bach '97 has a solution. His business, South Park Hydroponics, supports the need for mountainous regions with short growing seasons to grow flowers and vegetables indoors.

A practice hundreds of years old, hydroponics is still not as widely used as growing plants in the earth's soil, though it is just as successful in producing vegetation. Hydroponics utilizes trays filled with fibrous blocks to support the growth of plants. These trays are then placed under a light source and given water so that they may thrive. Plants grown using hydroponics typically enjoy a relatively stress free, pest free and disease free life, resulting in cleaner crops overall. Another advantage to hydroponic plants is that they take up less space than field plants. Hydroponics farmers use systems that allow one full acre's worth of plants within a matter of a few hundred cubic feet. Not only can flowers and other foliage flourish this way, but tomatoes and small lettuces grow successfully using this method.

Though now the owner of a successful business, Jason Bach did not immediately jump into the hydroponics field. He graduated from

Drury as a public relations major and began his career selling real estate in Colorado. After the housing market crashed, he saw an opportunity to explore the field of hydroponics and solve the problem of a limited growing season. According to Bach, "As far as the future goes, I think we will see a lot more hydroponic gardening. As our population grows, there is obviously going to be more construction development going on, creating less land available for farming. Therefore, we are going to need to find ways to produce more food and use less land doing it, and hydroponics is one way to do that. The space program has been doing a lot of research in hydroponic gardening for the space station, so I definitely see it as the wave of the future."

#### By Megan Waterman

Megan Waterman is an English and writing major and student assistant in the Office of Alumni & Development





# "2 Bikes. 2 Toddlers. 1 Epic Family Adventure."

his could be the tagline of a Disney summer blockbuster, but it's reality for one Drury family. Stuart Murr '97 and Kate (Brady) Murr '01, along with five-year-old Jane and three-year-old Brady, have spent the summer biking from St. Augustine, Florida to Seaside, Oregon, in the name of family, health and adventure.

The Murrs kicked off their journey with the Spring Out Springfield Family Jamboree on April 17 at Jordan Valley Park. They partnered with the Springfield Greene County Park Board to host this family-focused event. The Jamboree gave people in the community a chance to celebrate the outdoors, explore healthy living and connect with each other—ideals that the Murrs hoped to promote throughout the entire summer.

#### The goals of the Murrs Across America project included:

- Inspiring other families to get outside and enjoy time together.
- · Making memories and having an adventure as a family.
- Traveling in a way that's always local and personal.
- Promoting biking as a sustainable, healthy vehicle for change.
- Highlighting the treasures we do have—even in an economic downturn, we still have energy, time and adventure.

The Murrs started planning the trip in August 2009, prompted in part by Stuart's mother expressing her one regret: wishing she had traveled more with her family when she was young. Stuart, an architect specializing in sustainable building, and Kate, a board member of The Living Green Network with a background in marketing and writing, saw an opportunity to combine their natural passion for the environment and love of the outdoors with a desire to create lasting memories for their children. Thus Murrs Across America was born. The Murrs have spent the 4,403.2-mile journey traveling safely on back roads, exploring small towns and eating locally grown food.

Along the way they have encountered a young traveler charting his own route across the U.S., an authentic Sioux powwow in South Dakota, flooded bike trails in Nebraska, a Pawnee musician and medicine man on the Katy Trail...and that was just the month of June.

In the home stretch of the trip in late July, Kate said the family has an overwhelming sense of optimism for the country after how far they've come. They have found hope in the warmth and hospitality of total strangers who have shared their homes, lives, meals and stories.

The Murrs have documented the summer on their blog at **Murrbike. com** and on a Murrs Across America Facebook page, where you can read all about their adventures, see photos from the journey, and—the Murrs would hope—maybe start to plan a family adventure of your own.

# THE LAST WORD

DR. TERESA M. CARROLL, ASSISTANT PROFESSOR OF BIOLOGY AND DIRECTOR OF ENVIRONMENTAL PROGRAMS



Why is ecological and environmental study so important? In 1938, noted conservationist Aldo Leopold wrote that while our advanced technologies serve to "crack the atom, they do not suffice for the oldest task in human history: to live on a piece of land without spoiling it." We are nearly a century on from Leopold's prophetic work, and yet recent studies show that most Americans continue to know little about our environment or the problems facing it. As stated by the National Science Foundation, "in the coming decades, the public will more frequently be called upon to understand complex environmental issues, assess risk, evaluate proposed environmental plans and understand how individual decisions aff ct the environment at local and global scales." This message exemplifies why ecological and environmental study is so important and also provides an urgent call to action for those of us in the environmental education community.

A project currently underway at Drury exemplifies this mission. Dillon Cayer, a senior from Springfield, is conducting research to examine how small quantities of pollutants are aff cting the gender of largemouth bass populations in our local waterways, as has been indicated in recent studies done elsewhere. Because he must understand environmental chemistry, biochemistry, molecular genetics, etc., Dillon is working with three Drury faculty members with widely differing specialties. This project highlights the multidisciplinary nature of modern environmental questions and hints at how different modern environmental curricula must be organized to answer these complex questions.

To that end, the Environmental Program at Drury has undergone a complete redesign of the curricular offerings within its three majors: Environmental Science, Environmental Studies, and Environmental Health. Our mission is to produce graduates who possess a deep understanding of ecological and environmental principles and can think analytically to test, model and analyze modern notions of stewardship and sustainability. Our commitment to environmental literacy means that Drury students will enter careers in environmental consulting, research or work in city or county planning with the ability to tackle the complex problems needed to live on a piece of land without spoiling it.



Thank you to our alumni, parents and friends for your support during our 2009 - 2010 fall and spring phonathons. Because of you, our student callers were able to raise over \$214,900 for Drury.

We also appreciate the following area businesses that supported our students by donating over \$3,100 in gift certificates and merchandise as a part of our Panther Partners program:

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Hilton Branson Convention
Center
The 1886 Crescent Hotel & Spa
Steak Out
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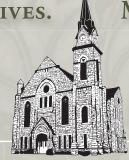
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### HELP US CHANGE LIVES.

OFFICE OF ALUMNI AND DEVELOPMENT 900 NORTH BENTON SPRINGFIELD, MO 65802



# Make a gift. Be the difference.

For more information on how your business can support Drury students via the Panther Partners program, contact Dawn Schipper, annual giving coordinator at (417) 873-7353 or dschipper@drury.edu.



## 137 YEARS AND STILL GROWING STRONG

