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University of Missouri
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Nuclear researchers attempt to locate new source of renewable energy

MU RESEARCH REACTOR
Replicating heat reaction is primary goal

Not long ago, the idea that a scientist could generate energy using little more than a beacon of water, a bit of metal and some electricity was met with widespread skepticism.

Today, so-called low-energy nuclear reactions, or LENR, are being recorded in laboratories around the world. Scientists from the Naval Research Laboratory, the National Energy Laboratory of Italy, as well as research teams in France, Japan and Israel have all observed the phenomenon — a wallop of heat when electricity is applied to palladium, nickel or platinum submerged in deuterium-enriched water.

Many scientists are convinced that a new source of clean, cheap renewable energy is within reach. But the experiments to generate the heat don't

always work, and when they do, experts can't agree why.

MU researchers are trying to understand the physical science behind the heat effect. Last February their research received a monetary boost via a \$5.5 million gift from philanthropist Sidney Kimmel.

Kimmel gift helps research

Some of the research at the Sidney Kimmel Institute for Nuclear Renaissance will take place at the MU Research Reactor, the largest and most powerful university-based reactor in the country. In 2011, John Gahl, professor of electrical engineering and director of MU's Material Science Program, received a Mizzou Advantage grant to conduct low-energy nuclear reaction experiments using the Reactor's cyclotron.

Gahl said the Kimmel gift allows him and his colleagues to build on that research, which involves shooting particle beams

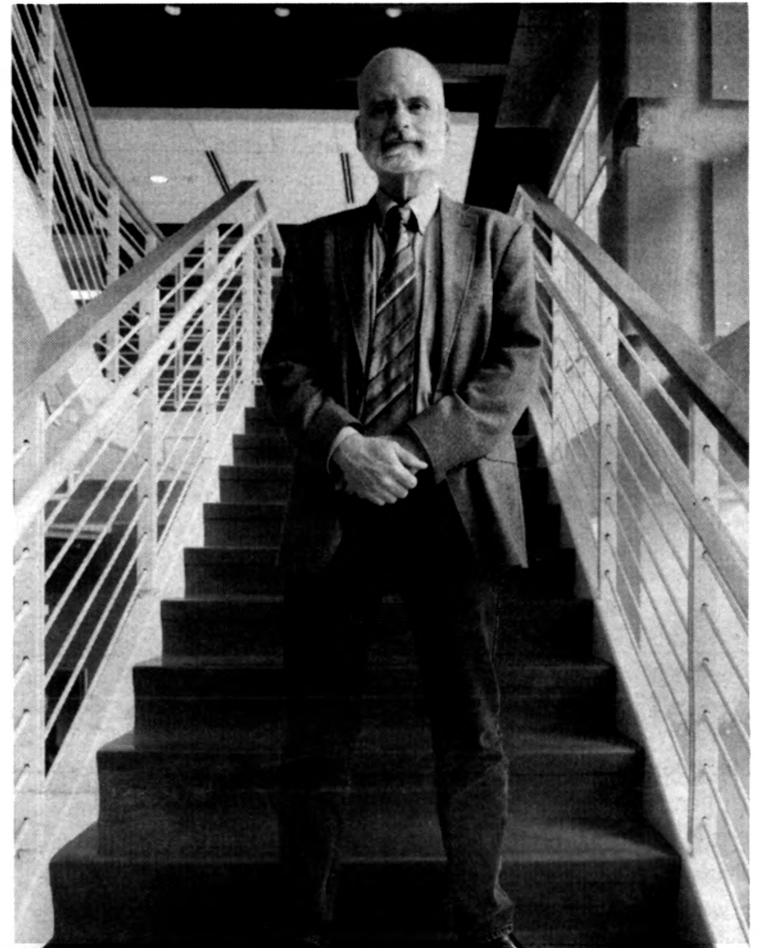
of deuterium at palladium isotopes under various conditions. The results could help researchers evaluate the different theories proposed for the heat effect.

"We're taking a look directly at the theoretical constructs that have been put forward as a way to explain these phenomena," Gahl said. "The theories are falsifiable, so we should be able to construct experiments to show whether this theory or that theory is absolutely incorrect."

Researchers will also be working with scientists from Energetics Technologies, a private company that set up shop at MU's Life Sciences Incubator two years ago. With financing

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NUCLEAR REACTION In 2011, John Gahl, professor of electrical engineering and director of MU's Material Science Program, received a Mizzou Advantage grant to conduct low-energy nuclear reaction experiments using the Reactor's cyclotron.
Rob Hill photo



Faculty share triumphs, challenges of teaching Writing Intensive courses

CAMPUS WRITING PROGRAM
Applications for fall faculty program are being accepted

On the last Friday of each month, 10 MU faculty members meet at the Conley House to exchange ideas, thoughts, problems and successes related to teaching Writing Intensive (WI) courses.

New for this semester, the seminar, run by the Campus Writing Program (CWP), is not like other tutorials or retreats the CWP has available for faculty. Only professors who have taught Writing Intensive courses for years attend it.

Since 1987, every undergraduate degree granted by MU has come with the Writing Intensive requirement, which calls for students to take English 1000 followed by two WI courses.

The CWP works with the Campus Writing Board to review and approve courses that emphasize writing. More than 170 courses from disciplines

across the university are offered each semester. All WI courses use writing as a tool for thinking and learning. One WI course may be taken in any discipline, while the other must be an upper-division WI course within the student's major.

The Campus Writing Program works with faculty in developing WI courses and holds regular seminars and tutorial sessions for faculty to better their writing skills.

"These seminars are critical to the long-term viability, momentum and health of Writing Intensive programs at MU," said participant Glen Heggie, a clinical professor in the School of Health Professions.

Amy Lannin, director of the Campus Writing Program, explained that many of the programs her department has in place are focused on the development of new faculty members or faculty new to Writing Intensive teaching. By contrast, the seminar for veteran WI teachers offers participants a chance to share their work with like-minded

colleagues in a supportive and interactive environment.

"These faculty don't want to work in a vacuum," Lannin said. "They want to share ideas and hear other faculty members' thoughts on teaching. They want to continue to develop their own teaching."

In addition to hearing about new practices and teaching methods, the seminar provides an opportunity for participants to share their experiences with faculty who have similar stories.

"It's a chance to see how others, from a wide range of subjects, use writing in the curriculum," said seminar participant Wayne Brekhus, an assistant professor of sociology. "You see commonalities across the variety of fields, but there are also differences. To be able to discuss those is very beneficial."

It is also a chance for faculty to refresh their knowledge of teaching WI courses.

"Several faculty have projects that they put in place many semesters ago," said Bonnie

Selting, a Campus Writing Program coordinator who designed and initiated the new seminar.

"This encourages faculty to find new techniques for utilizing writing in their teaching."

In the case of Deanna Sharpe, an assistant professor in the personal financial planning department, learning new methods is just part of what she has gained from the seminar.

"Teaching Writing Intensive courses requires much thought and incorporates another way of grading and administration," she said. "Being able to meet with others committed to using writing in the teaching process is very energizing."

The participants run the seminar by taking turns giving presentations. At the February gathering, Sharpe led a conversation about teaching Writing Intensive in a large classroom.

The presentations usually lead to discussions, which can last well beyond the allotted two hours.

"I think that shows their enthusiasm and that they are finding great value in the seminar," Selting said.

Seminar participation is by invitation only and a stipend is provided for those who attend. Those two elements add to the uniqueness of the program. Applications are currently being accepted for faculty interested in participating in the seminar next fall.

If those participants are anything like the current group, they will see this as an opportunity to continue to develop their teaching. They will also find benefit in meeting with other faculty who have experiences to share.

"It's like the commercials say," Heggie said, "It's nice to know you're not alone."

For more information on the Campus Writing Program, contact Bonnie Selting at seltingb@missouri.edu.

— Josh Murray

Life Science Week runs through Saturday

The 28th annual Life Sciences Week is happening through Saturday at the Bond Life Sciences Center.

On Friday, David Hillis, a biology professor at the University of Texas at Austin, will explain how research into the evolutionary relationships between different species, sometimes referred to as the Tree of Life, affects everything from forensic investigations to vaccine development.

On Saturday morning, the final event of the week will be

a discussion of composting and the food cycle.

Go to lifesciencesweek.missouri.edu to view the remaining schedule.

Four Ag professors honored with awards

Four professors in the College of Agriculture, Food and Natural Resources each received in March a Golden Apple Award, which recognizes faculty who excel in teaching and advising.

The recipients are:

- Fabio Chaddad, assistant professor of agricultural and applied economics;
- Chris Boessen, teaching assistant professor in agricultural and applied economics;
- Bryon Wiegand, associate

professor of animal science; • Mary Hendrickson, MU Extension associate professor of rural sociology.

MU Extension 4-H receives donation

FCS Financial, a member of the Farm Credit System, has pledged \$25,000 to establish the "FCS Financial — Missouri 4-H Animal Science Fund."

The pledge supports the Missouri 4-H Foundation endowment initiative, The Next Sixty Years, which focuses on providing permanent support for MU Extension 4-H state programs.

The new fund will support animal science programs, including dairy, livestock and horse judging.

REACTOR from Page 1

from Sidney Kimmel, Energetics has been working on commercial applications for low-energy nuclear reactions, focusing on what the company calls the SuperWave fusion process.

That process was featured in a 60 Minutes segment in April 2009. Rob Duncan, MU vice chancellor of research and a physicist, was asked by the CBS news program to evaluate Energetics' scientific claims. Duncan came away impressed with the possibilities of the heat reaction.

Investment needed

In a 2009 review of the science, the Defense Intelligence Agency reported that low-energy nuclear reaction research was "increasing and gaining acceptance" worldwide, most notably in Japan and Italy. Russia, China, Israel and India have also committed considerable resources to the research "in the hope of finding a new clean energy source," according to the agency.

The report concluded that whoever harnesses the reaction for commercial use "could revolutionize energy production and storage for the future. The potential applications of this

phenomenon ... are unlimited."

Yet Duncan estimates that only \$2 million in public money has been invested in trying to understand the anomalous heat effect. "I think it's unusual, given the body of evidence, that there isn't more money being spent to inquire what's going on," he said.

Duncan said federal investment is important because it could speed development of the technology. As it stands, while privately funded labs are reporting results, most of the research is considered proprietary and not readily available publicly to other researchers.

"Competitive grants — awards based on proven scientific merit — are the key to really getting at what is happening," Duncan said. "Because then clever research groups around the country can apply for federal funding to try and figure it out."

Hamessing heat reaction

Figuring out why anomalous heat is generated is only one piece of the puzzle, said David Robertson, professor of chemistry and associate director of research at the Reactor. Scientists need to nail down the

specific conditions under which the heat effect can be repeated.

Right now, the success rate is roughly 20 percent, according to Robertson. That means that four of five experiments fail to generate the heat. Identifying and correcting those mistakes could uncover the secrets that lead to an alternative form of energy.

"Quite frankly, our technology has gotten to the point where, if we can reproduce the excess heat effect and we know what's going on, we know how to harness it," Robertson said. "That's not the hard part."

— Brian J. Wallstin

Applications being taken for open committee and Staff Council positions

OPEN POSITIONS

Applications can be filed online

Interested in getting more involved with on campus committees for fall semester?

The following committees will have openings beginning September 1:

- Campus Mediation has one opening.
- Campus Planning Committee openings has two openings.
- Campus Recreation

- Committee has one opening.
 - Campus Safety Committee has three openings.
 - Family Friendly Campus Committee has four openings.
 - Committee on Committees has one opening.
 - Concerts Committee has one opening.
 - Environmental Affairs has two openings.
 - Hearnes Center Committee has one opening.
 - Intercollegiate Athletics

- Committee has one opening.
 - Library Committee has one opening.
 - Minority Affairs Committee has one opening.
 - Persons with Disabilities Committee has two openings.
 - Retiree, Health & Other Benefits Advisory Committee has two openings.
 - Status of Women Committee has one opening.
 - Traffic Appeals Committee has two openings.

You may apply electronically at committees.missouri.edu/ or by printing the online form and mailing to Staff Advisory Council, Campus-Wide Committees, 27 Jesse Hall.

Also, there are seven council seats up for grabs in the Student Advisory Council elections.

Eligible nominees include full-time MU Campus or Extension staff who have completed one year of work prior to nomination. Staff members can nominate

colleagues or themselves.

Elected members will serve a three-year term starting September 1.

Deadline for committee and Staff Advisory positions is May 25.

For more information, contact the Staff Advisory Council office at 882-4269. You can also go online by visiting staffcouncil.missouri.edu/index and clicking the tab Volunteer Opportunities.

Staff Recognition Week
 "Representing Staff Matters"
 May 14-18

2012 SRW
Arts and Craft Showcase

Tuesday, May 15 –Thursday, May 17

Show off your talent, reserve a booth or space by contacting Rebecca Bergfield, bergfieldr@missouri.edu



MU Staff Advisory Council
 "Working For You"

MizzouWeekly

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- Designer/writer** Sue Richardson
- Photographers** Nicholas Benner, Rachel Coward, Rob Hill
- Writers** Trevor Eischen, Lauren Foreman

"Supporting our rural youth is the key to a successful Missouri," said Daryl Oldvader, CEO of FCS Financial.

Professor receives advising award

Sonja Wilhelm Stanis, an assistant professor in the parks, recreation and tourism department in the School of Natural Resources, received last month the Advisers Forum Advising Shout Out award.

Stanis, who counsels undergraduate and graduate students, was nominated by one of her advisees.

"I am very proud and honored by this award," Stanis

said. "I work hard to help students navigate not only their courses, but also other opportunities and challenges during their experience at MU.

"It is very rewarding to know that those efforts are recognized and appreciated."

The award, which was first presented in December 2010, is given twice a semester and recognizes undergraduate advisers for the impact they make on students' lives.

Grant to aid patient rehab research

The MU Brain Imaging Center has received a \$300,000 grant from the U.S. Department of Defense to study how to improve the rehabilitation process for people who've lost or were born without a limb.

The research will include learning more about how the brain reorganizes itself when a limb is lost.

Free chair massage

Stop by for a free 15-minute chair massage at the Relaxation Station in G118 Student Center next to the Wellness Resource Center.

Hours are 11 a.m.–1 p.m. Monday through Friday. First come, first served.

MU School of Law to host run, walk and dog walk on Saturday

CANINE EXERCISE

Late registration is available Friday and Saturday

MU law students will link the eighth annual "Tim Heinsz 5K Run" and "Jim Devine Memorial Dog Walk" for a second year Saturday in honor of two well-respected deceased MU law professors.

"[Heinsz and Devine] really contributed a lot to current students and past students alike, so it's our way of giving back to them," said organizer Kate Gallen, an MU law student.

The student-hosted event will bring runners, walkers and leashed dogs together to raise law school scholarship funds. The race will start at 9 a.m. in front of Hulston Hall.

Last year, more than 385 participants raised more than \$25,000, which is close to the amount raised this year.

"It's been wildly successful," said Bob Bailey, an MU law professor and director of the school's Study of Dispute Resolution center. Bailey worked with Heinsz and Devine for about 30 years.

Heinsz, a former dean of the MU School of Law, died in 2004 of a heart attack. Devine, a former associate dean of the school, died six years later of a heart attack.

Heinsz was a nationally recognized arbitrator. Bailey portrayed him as hard working, thoughtful and immensely kind.

The day after he died, Bailey received a happy birthday email from him. Heinsz had pre-sent the birthday wish.

"I immediately broke down in tears," Bailey said. "He was my best friend."

While cleaning out Heinsz's office, Bailey found a cabinet drawer full of gifts that Heinsz had purchased for others.

He similarly described Devine as caring and dedicated.



DOG PET MU law students (from left) Kate Gallen, Katie Vogt and Charity Whitney pet Cheech, an adult terrier mix, at Speaker's Circle Monday, April 16. Cheech was on hand for a registration event for the "Tim Heinsz 5K Run" and "Jim Devine Memorial Dog Walk" happening Saturday, April 21. Cheech will participate in the leashed dog walk.

Devine had three great loves: his family, swimming and dogs, which he often rescued from shelters, Bailey said.

When Devine died in 2010, students asked Bailey if they could add a commemorative dog walk to honor Devine to the Heinsz memorial run.

Gallen said both professors completely supported their students, personally and academically.

"I think the legacy that they have left on the law school is one of dedication and service," she said.

Late registration is in the sub-plaza of Hulston Hall 10 a.m.–7 p.m. Friday and 7–8:30 a.m. Saturday. Registration is \$20.

Register online at law.missouri.edu/sba/th5k/register.

— Lauren Foreman

DID YOU KNOW?

Mental disorders are more common than heart disease and cancer combined?

Learn the skills to help individuals who are developing a mental health problem or experiencing a mental health crisis at:

**MENTAL HEALTH
FIRST AID**

May 24-25, 2012
Reynolds Alumni Center Ballroom

Please pre-register at:
counseling.missouri.edu



calendar



Concerts & Plays

Today, April 19

UNIVERSITY THEATRE

SERIES: *Hamlet*, Shakespeare's famous play with an adopted script for contemporary audiences, at 7:30 p.m. today through April 21 in the Rhynsburger Theatre. For ticket information call 882-7529.

MU SCHOOL OF MUSIC:

Faculty Recital: Missouri Quintet at 3 p.m. in Whitmore Recital Hall. Guest Artists: Boston Brass players' clinic at 3 p.m. in Fine Arts Annex 18.

Friday, April 20

MU SCHOOL OF MUSIC:

Show-Me Opera Arias Concert at 7:30 p.m. in Whitmore Recital Hall.

Saturday, April 21

MU CONCERT SERIES:

David Sedaris, one of America's pre-eminent humor writers, at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

MU SCHOOL OF MUSIC:

Junior Recital: Briana Frieda,

viola, at 7 p.m. Graduate Recital: Amanda Fenton, violin, and Natalia Bolshakova, piano, at 8:30 p.m. Both performances are in Whitmore Recital Hall.

Sunday, April 22

MU SCHOOL OF MUSIC:

Miyamoto Studio Recital at 12:30 p.m. Mizzou Horn Choir at 3 p.m. Senior Recital: Rachel Kunce, soprano, and Rachel AuBuchon, piano, at 4:30 p.m. Graduate Recital: Andrei De Matos, violin, and Renata Tavernard, piano, at 8:30 p.m. All performances are in Whitmore Recital Hall.

MU SCHOOL OF MUSIC:

Jazz Big Bands concert at 7 p.m. in Jesse Auditorium.

Monday, April 23

MU SCHOOL OF MUSIC:

Violin Studio Recital at 7 p.m. in Whitmore Recital Hall.

Tuesday, April 24

MU SCHOOL OF MUSIC:

Percussion Ensemble will perform at 8 p.m. at the Missouri Theatre. For ticket information, call 882-3200.

Wednesday, April 25

MU SCHOOL OF MUSIC:

Graduate Woodwind Quintet at 3 p.m. in Whitmore Recital Hall on April 25.

Thursday, April 26

MU CONCERT SERIES:

Musical Reflections, depictions of unimaginable horror and brutality of 17th-century Russia, at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

MU SCHOOL OF MUSIC:

Choral Union will perform at 7 p.m. in Jesse Auditorium.

UNIVERSITY THEATRE

SERIES: *Hamlet*, Shakespeare's famous play with an adopted script for contemporary audiences, at 7:30 p.m. through April 28 in the Rhynsburger Theatre. For ticket information call 882-7529.

Courses & Workshops

Today, April 19

COMPUTER TRAINING:

- "Dreamweaver CS5 4: CSS Projects & Publishing" will be offered at 8:30 a.m. in N3 Memorial Union.
- "HTML5 & CSS: Tables, Layout & Typography" at 8:30 a.m. in 4D11 East Ellis Library.
- "Photoshop CS5 CS5: Selections & Layers" at 1 p.m. in N3 Memorial Union.
- "Web Design" at 1 p.m. in 4D11 East Ellis Library. Call 882-5000 to register.

Tuesday, April 24

COMPUTER TRAINING:

- "Excel 2010: Worksheets & 3-D Formulas" at 8:30 a.m. in N3 Memorial Union.
- "Webinar: Wireframing with Fireworks" at noon at <http://doit.missouri.edu/training/webinar.html>.
- "Dreamweaver CS5 2: Introduction to CSS" at 1 p.m. in N3 Memorial Union.
- "Access 2010: Fields & Tables" at 1 p.m. in 4D11 East Ellis Library.

Call 882-5000 to register.

Wednesday, April 25

COMPUTER TRAINING:

- "Photoshop CS5: Advanced Techniques" at 8:30 a.m. in N3 Memorial Union.
- "Excel 2010 for Starters" at 1 p.m. in N3 Memorial Union.
- "Outlook 2010: Taking Control of Your Calendar" at 1 p.m. in 4D11 East Ellis Library. Call 882-5000 to register.

Thursday, April 26

COMPUTER TRAINING:

- "PHP Databases" will be offered at 8:30 a.m. in N3 Memorial Union.
- "PowerPoint: Art, Charts & Final Production" at 8:30 a.m. in 4D11 East Ellis Library.
- "Photoshop CS5: Colors and Image Size" at 1 p.m. in N3 Memorial Union. Call 882-5000 to register.

Exhibits

BINGHAM GALLERY:

- "MFA Thesis Exhibitions" will be on display through April 26.
- "Harrison Bergeron: A Multimedia Extravaganza," a David Spear production, will be on display April 20-27, with an opening reception held 6 to 9 p.m. Friday, April 20. The gallery, located in the Fine Arts Building, is open 8 a.m.-5 p.m. weekdays.

MUSEUM OF

- ANTHROPOLOGY:** "Walk the World: Shoes from Six Continents," an exhibit focusing on traditional footwear, will be on display through Aug. 1. The museum, located at 100 Swallow Hall, is open 9 a.m.-4 p.m. weekdays.
- MUSEUM OF ART AND ARCHAEOLOGY:**
 - "Collecting for a New Century: Recent Acquisitions," showcases the wide diversity and quality of museum acquisitions and will be on display through May 13.
 - "Ritualizing Place: Suibhne

Gealt," an installation and exhibition of drawings by artist Caoimhghin Ó Fraithile, will be on display through May 13.

- "Black Women in Art and the Stories They Tell," symbolized artwork that portrays stories of black women, will be on display through April 29. The museum, located in Pickard Hall, is open 9 a.m.-4 p.m. Tuesday-Friday, 9 a.m.-8 p.m. Thursday, and from noon-4 p.m. Saturday and Sunday.

STATE HISTORICAL SOCIETY:

- "Fred Geary: Missouri Master of the Woodcut" includes over 50 masterpieces of exceptional work in nationwide woodcutting and will be on display through April.
- "1942: Thomas Hart Benton's Year of Peril," an exhibition in commemoration of the artist's "Year in Peril" series created at the outset of the U.S. involvement in World War II. The exhibition will be on display Tuesday-Saturday through Aug. 15. Gallery hours are 8 a.m.-4:45 p.m. Monday-Friday, and 8 a.m.-3:30 p.m. Saturday.

Lectures & Seminars

Today, April 19

DISTINGUISHED LECTURE SERIES IN PSYCHOLOGY:

Ken Sher, Curators Distinguished Professor of Psychological Sciences, presents "Is There an Addictive Personality?" at 3:30 p.m. in Jesse Auditorium.

Saturday, April 21

SATURDAY MORNING

SCIENCE: Tim Reinbott, superintendent of MU's Bradford Research Farm, will present "Composting and the Food Cycle" at 10:30 a.m. in Monsanto Auditorium.

SEE CALENDAR on Page 6

MIZZOU ALUMNI ASSOCIATION

The Mizzou Alumni Association is proud to announce the

2012 Faculty-Alumni Award Recipients



57th Distinguished Service Award
John Campbell, BS Ag '55, MS '56, PhD '60, DS '05

53rd Distinguished Faculty Award
Randall Prather, College of Agriculture, Food and Natural Resources

45th Faculty-Alumni Awards

- William Crist, MD '69-Alumnus
- Frederick (Fritz) Cropp, PhD '96-Faculty
- Jan Dauve, BS Ag '74, MS '77-Faculty
- Diane Glancy, AB '64-Alumna
- Sheila Grant-Faculty
- Timothy Karcher, AB '89-Alumnus
- Harold Lowenstein, BS BA '61, JD '65-Alumnus
- James Miller-Faculty
- Etti Naveh-Benjamin-Faculty
- Thomas Scott, BS BA '58-Alumnus
- Deidre Wipke-Tevis, BSN '85-Faculty

The Mizzou Alumni Association will honor our recipients at a banquet on October 12 in the Reynolds Alumni Center.

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Social workers should be juvenile probation officers, MU professor says

RETHINKING JUVENILE REHAB

Opportunity exists to re-evaluate treatment of teen offenders

In the pioneering days of the juvenile corrections system, social workers often served as the primary probation officers who rehabilitated young offenders. As law enforcement officers increasingly dominated the field of corrections, however, social workers were relegated to ancillary roles.

Clark Peters, assistant professor of social work and an expert on juvenile justice and child welfare, contends that social workers need to return to the juvenile corrections system and reclaim their role as rehabilitators at the front line of services.

Rather than emphasize incarceration and punitive measures, as law enforcement does, the system needs social workers adept at building relationships and counseling, Peters said. But it shouldn't end there.

"[Social workers] ought to be the probation officers," he said.

Social workers were significantly involved in the juvenile corrections system early in the 20th century,



Rachel Coward photo

SOCIAL HELP Clark Peters, MU assistant professor of social work and an expert on juvenile justice and child welfare, contends that social workers need to return to the juvenile corrections system and reclaim their role as rehabilitators.

but less than 2 percent of trained social workers are employed there today, according to the National Association of Social Workers.

Returning more of them to the system might help alleviate overcrowding in America's

jails and prisons. Indeed some states, Peters said, are fighting the rising incarceration costs by re-emphasizing community-based probation programs that help juveniles improve their odds of becoming

productive societal members.

Opportunities exist to re-evaluate how teen offenders are treated, said Peters, who published an article on the subject last month in *Social Work*, a journal of the National Association of

Social Workers. "There is a tremendous amount of attention and resources being put in place to deal with offenders in more constructive ways" than punitive measures, which have dominated America's rehabilitation system for the last 30 years.

"It is a less effective way than how social workers approach the problem," he said.

"Social workers are trained to bring a more constructive, holistic view on how to deal with teen offenders through counseling, developing relationships with family and friends, and engaging in school activities," Peters said. "All these things are associated with reducing [repeat offenses] and helping young people get back on track with their lives.

"An opportunity exists now to re-evaluate how we treat offenders in this country," Peters continued. "Once we turn away from simply locking people up for a long time, social workers will be in a great position to reenergize a rehabilitation ideal that focuses on safely transitioning offenders back to their communities."

Experts in law, medicine and religion debate the contraception issue

DIFFICULT DIALOGUES

Catholic Church remains opposed to contraception

An MU Difficult Dialogues forum on April 4 sparked discussion about a controversial federal mandate requiring religious institutions to include free contraception in health care coverage.

More than 80 MU faculty, students and community members filled a Hulston Hall classroom to debate the merits of the national controversy.

Panelists included medicine, law, gender and religion experts, who provided historical and medical context before launching a debate that has prompted religious rallies, health care plan changes and four ongoing court cases across the country.

Audience members asked panelists questions about the burden on women to pay for contraception and birth control, the responsibility of religious institutions as employers and the timing of the backlash to the federal legislation.

Last January, the Obama administration mandated that employee health insurance plans include free birth control by August 1, 2012. The deadline for religious institutions to adopt the plan is August 1, 2013.

Twenty-six states, including Missouri, have passed laws requiring insurers that cover prescription drugs also offer FDA-approved contraception, according to the National Conference of State Legislatures. Missouri and 17 other states also offer religious exemptions.

Rigel C. Oliveri, an MU professor of law, said the only provision the new rule adds is stripping the deductible or co-payment requirement. "Just as we want churches to do good work, we also want them to obey the generally applicable laws that we have for very good reasons," she said.

MU law professor Joshua D. Hawley pointed to 120 years of court decisions giving religious organizations the right to choose their leaders, structure, rites and practices.

He said the ongoing question is: Should government be able to force religious organizations to pay for contraception even though it's against their religious beliefs?

For many religious organizations and institutions, the answer is no.

The Catholic faith is opposed to contraception and upholds the value of all people, said JoAnn Jorgovan, an assistant director at St. Thomas More Parish & Newman Center in Columbia. Rejecting the fertility

of women means rejecting women entirely, she said.

John Baker, a former senior pastor of the First Baptist Church of Columbia, said the teachings of religious leaders do not always align with the practices of the people.

He gave an example of birth control used for health reasons rather than reproductive regulation.

"It's not just the morality of contraception that we're talking about," Baker said.

Health and women's rights activists argue that contraception health care coverage protects reproductive and health care rights for women.

Rebecca Martinez, an MU women's and gender studies professor, said that in the past pregnancy could prevent women from working. The 1978 Pregnancy Discrimination Act now makes pregnancy-related discrimination illegal. But unplanned parenting can add psychological and health

barriers to employment for women, Martinez said.

Shawna Strickland, an MU medical associate professor, said her focus is the importance of informed consent.

"I'm hesitant to say that birth control is bad," she said. "But I'm also hesitant to say that birth control is good because like every other drug on the market there are good and bad aspects."

— Lauren Foreman

Celebration of
TEACHING




May 15-16, 2012

Open to ALL instructors, advisers and staff

Featuring:
Sir Ken Robinson
Internationally-recognized speaker on creativity and innovation

Keynote Address: May 15, 1 p.m.
Q&A and book signing to follow

Schedule and registration info:
tlc.missouri.edu

Mizzou senior residence sets standard for elderly care

TIGERPLACE

Researchers seek to improve senior health

TigerPlace is not your grandparents' nursing home. It is something much more.

In the 1990s, University of Missouri researchers developed a project to help reform the health care system for seniors. MU's TigerPlace opened in 2004 at 2910 Bluff Creek Drive, where nursing-home standards mingle with homey and quality-of-life amenities.

"Our vision was for it to be a service, research and practice environment and a really active place for people to live," said Marilyn Rantz, MU Curators Professor of Nursing. In 2011, Rantz was honored by the American Academy of Nursing for her leadership in developing the residence.

TigerPlace is dedicated to creating a healthful quality of life for its 65 seniors. MU researchers often use residents in noninvasive studies to

develop better senior care.

The residence is a public/private partnership between the School of Nursing, which provides the health care, and the Americare Systems, which manages the facility and services.

Amenities are plenty at TigerPlace. The facility has a movie theater, spa, library and game room. Vans transport seniors to the shopping center and Mizzou events. There are water-aerobics activities, daily exercise classes and a workout gym. At dinner, wine is served atop tables dressed in white linen and adorned with flowers.

Classes on various topics are offered, as well, in keeping with the philosophy that active minds make for happier people.

A pedestrian bridge connects the facility to the Neighborhoods of TigerPlace, where MU researchers study rehabilitation and physical therapy patients after their joint replacement or hospitalization.

The studies use noninvasive methods to test technology in



Shane Epping photo

HELPING OTHERS Marilyn Rantz, Curators Professor of Nursing, was part of the development of TigerPlace. She won an award in 2011 for her work.

aging, such as early detection of illness. Multidisciplinary research teams involve nearly 100 MU students, professors, doctors, nurses and other professionals, including fellows of MU's

Interdisciplinary Center on Aging.

Recent grants from the National Institutes of Health and the National Science Foundation fund studies on injuries from falling and early-illness detection.

A new grant will underwrite continuing research on a bed sensor for early-illness recognition.

"We can learn about activity levels and predict the potential for illness," Rantz said.

MU students are also actively engaged in research at TigerPlace. Electrical and computer engineering students have developed algorithms on early illness.

And let's not forget pets, which are plentiful at the senior residence. The complex has its own MU veterinary clinic, and students assist with general animal care by walking dogs and changing litter boxes.

Among the studies underway by the College of Veterinary Medicine is the affect on health of patients who interact with pets.

"The human-animal perspective is a wonderful part of our philosophy here. From the beginning, this was going to be a pet-friendly environment," Rantz said.

For more information on the facility, call TigerPlace at 355-9615.

— Nancy Moen

MizzouWeekly

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- **Publish date: May 3rd**
- **Reservation deadline: April 23**
- **Camera-ready ads due: April 27**

Contact:
 Tony Billmeyer
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 573-884-1278
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CALENDAR from Page 4 Monday, April 23

INTERDISCIPLINARY PLANT GROUP SEMINAR: Michael Purugganan, professor of biology at New York University, will discuss "The Evolution of Domesticated Crop Plants: From Genomics to Archaeology" at 3:30 p.m. in Chamber Auditorium.

Wednesday, April 25

PLANT SCIENCES SEMINAR SERIES: Jer-Ming Chia, scientific informatics analyst at Ware Lab in New York, presents "Maize Hapmap: Capturing Variation in a Genome in Flux" at 3:30 p.m. in Monsanto Auditorium.

Thursday, April 26

ARCHAEOLOGY INSTITUTE OF AMERICA: Richard J.A. Talbert, professor of history and adjunct professor of classics at the University of North Carolina-Chapel Hill, will present "How Did a Roman Envisage the World?: Sundials and Other Clues" at 5 p.m. in 106 Pickard Hall.

Saturday, April 28

SATURDAY MORNING SCIENCE: Marianne Krasny, professor and chair of natural resources at Cornell University, will present "Linking Citizen Science and Civic Ecology" at 10:30 a.m. in Monsanto Auditorium.

Films

Today, April 19

MUSEUM OF ART AND ARCHAEOLOGY: *King of Hearts* (1967), directed by Philippe de Broca and starring Alan Bates and Genevieve Bujold, will be presented in 106 Pickard Hall at 7 p.m. This event is free and open to the public.

Special Events

Today, April 19

LEARNING COMMUNITY PARTNERS RECEPTION: This event, open to all faculty and staff who partner with Residential Life and are interested in being a part of Learning Communities, will be held at 2 p.m. in Stotler Lounge.

Saturday, April 21

MUSEUM OF ART AND ARCHAEOLOGY: The Paintbrush Ball, an annual benefit for the Museum of Art and Archaeology, will have events starting at 5:30 p.m. in Pickard Hall.

Tuesday, April 24

UNDERGRADUATE RESEARCH & CREATIVE ACHIEVEMENTS FORUM: Students from a variety of majors and academic levels will present their work 2-5 p.m. in the Bond Life Sciences Center.

Wednesday, April 25

PERSONAL FINANCE SYMPOSIUM: "Money Maze, Amazing Money" will begin at 9:30 a.m. in the Reynolds Alumni Center. Registration cost, which is required and includes lunch, is \$30 per person, \$50 per person with four hours of continuing education credit, or \$10 per student. For more information or to make a reservation, contact Amy Sanders at 884-5958 or sandersa@missouri.edu.

Email upcoming events to mizzouweeklycalendar@missouri.edu

Families, facility residents report general satisfaction with Missouri long-term care

THE GOLDEN YEARS

Ninety percent of MU study respondents approve of care

As loved ones age and face challenges that prevent them from living on their own, family members often struggle with the decision to place their relatives in nursing homes.

Sometimes viewed as last alternatives, long-term care facilities can have reputations as hopeless, institutionalized environments.

But those negative perceptions are slowly changing, say MU School of Nursing researchers.

After conducting a statewide survey of Missouri nursing homes, the researchers found that nearly 90 percent of nursing home residents and their family members are satisfied with the residents' long-term care facilities.

"The findings paint a positive picture of nursing homes that contradict previous perceptions," said Marilyn Rantz, the Curators Professor of Nursing who helped conduct the survey.

"Nursing home administrators have worked diligently throughout

the past decade to improve the quality of care delivered to residents and to make care settings more homelike. Their efforts have made a difference in improving perceptions of long-term care facilities."

The survey evaluated nearly 200 nursing homes throughout the state and was the first to measure residents' and family members' overall satisfaction with the quality of care, quality of life and quality of service provided in the homes. Eighty-six percent of residents and their family members rated their overall satisfaction with their care facilities as excellent or good. More than 80 percent of both groups rated their or their loved ones' quality of life, quality of care and quality of service as excellent or good. Nearly 90 percent of the time, residents and their family members said they would recommend their nursing home to others.

Caring for aging and vulnerable populations is a complex business, said Marcia Flesner, a clinical educator in the nursing school who assisted Rantz with the survey. She likened

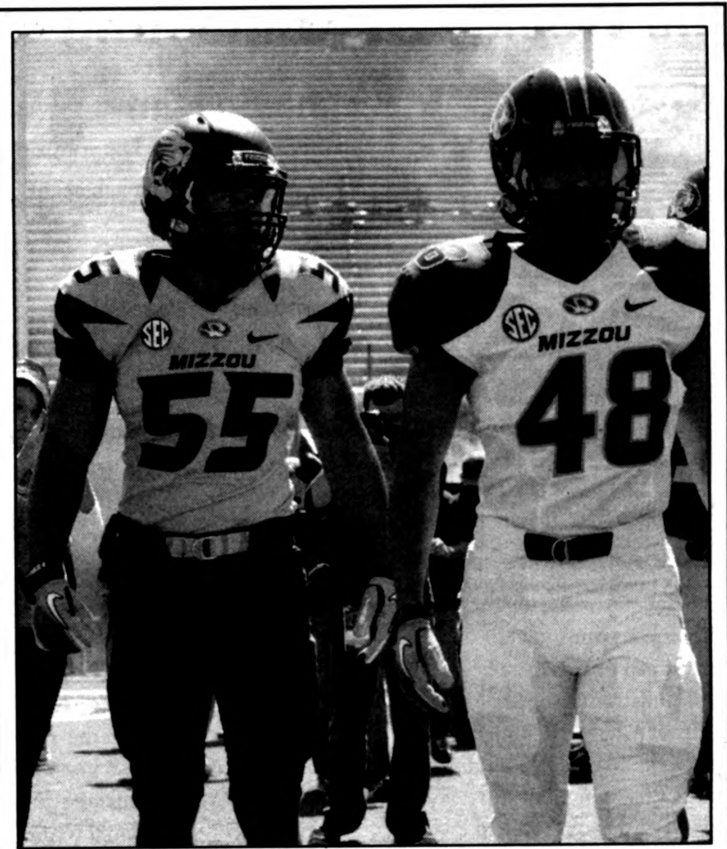
nursing home administration to running a small community.

"When family members put loved ones in nursing homes, they want perfection," Flesner said. "They want the best care possible for their relatives in places that feel like home. The results indicate Missouri nursing homes are doing a good job, though room for improvement exists."

The Missouri Department of Health and Senior Services funded the survey that was developed by MyInnerView, a national research firm that evaluates long-term care facilities.

Nursing homes could participate in the survey at no cost, and each facility that participated received its own report outlining its strengths and areas for improvement.

"The individualized reports will help nursing home administrators target specific areas for improvement, which will allow them to use their funds wisely," said Rantz, who also leads the Quality Improvement Program for Missouri, which provides clinical services to skilled nursing facilities.



Rob Hill photo

NEW UNIFORMS Mizzou unveiled Nike-designed basketball, football, volleyball and soccer uniforms at the annual Black and Gold Game April 14 at Memorial Stadium. The football jerseys, pants and helmets provide 24 different possible combinations.

Veterinary college and Humane Society partner for program

HELPING ANIMALS

MU vet students will spay and neuter shelter cats and dogs

The College of Veterinary Medicine and the Central Missouri Humane Society have begun a program that will give veterinary students hands-on surgical experience with cats and dogs. This will allow Humane Society animals to receive surgical

care free of charge at an MU facility.

The program, which began this month, is beneficial for both the college and the Humane Society, said Matthew Prator, an MU clinical instructor of shelter medicine.

MU students will spay and neuter animals from the Humane Society, gaining valuable surgical experience, he said.

And the surgeries will

make the shelter animals more adoptable.

"By fixing these animals before they are put up for adoption, it gives them a better chance to actually be adopted," Prator said. "Students also will be providing the animals with immunizations to protect them from common diseases."

Colin LaVaute, shelter relations coordinator for the Humane Society, is also

excited by the partnership.

"This is extremely beneficial for the community," LaVaute said. "When animals are sent to the vet school, it frees up our schedule for low-cost spays and neuters, and allows us to perform more of these services for those in Columbia that need it the most."

Currently, MU is working only with the Central Missouri Humane Society. But MU officials are looking to expand

the program to more rural areas throughout Missouri.

"Larger communities, such as St. Louis and Kansas City, have much better funding than smaller communities," Prator said. "As we begin more partnership for those rural animal shelters, we will provide spay and neutering surgeries, as well as management and controlling of infectious diseases."



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The Weekly Staff Meeting



Rachel Coward photo

Gina Scavone

Work place: Staff Advisory Council office

Title: Administrative assistant

Years at MU: 17

Hometown: Jackson, Tenn.

Favorite movie: *Paper Moon*

Favorite music: Bach and rhythm and blues

Favorite sport: Walking my dog in "Tiger" country

Favorite vacation spot: Whidbey Island, Wash.

Family: Husband, daughter and son

Undergraduate education: BS (general studies) in 1987 from Mizzou

• What are your current job duties?

Administrative support to the MU Staff Advisory Council. I oversee the MU Staff Development Awards Program, Staff Advisory Council's Education Award Program, MU Service Champions Program and the Chancellor's Annual Outstanding Staff Awards. In addition, I function as event coordinator, information specialist and web editor.

• What is your favorite part about working at Mizzou?

It's the pleasure of being able to see our talented and hard-working staff recognized and rewarded through the many

award programs MU offers. It's also the pride in being associated with this fine institution for 22 years, first as a student in the 1980s and years later as a longtime employee. I have the extreme good fortune of seeing my daughter, Camille, attend Mizzou as a pre-accountancy sophomore, and next fall my son, Andrew, as an industrial engineering major. Mizzou has really been my extended family as my husband, Ed, and I met here as students way back in the day.

• If you weren't doing this for a living, what would your dream job be?

I studied choral conducting as a student at Mizzou and worked

years ago as a pianist and choir director. Maybe I would teach choir at the high school level.

• How do you spend your time away from the university?

I am a certified TreeKeeper with the city of Columbia. I took a six-week training course, and over the course of three years, I completed the required 36 volunteer service hours for the city's tree care projects. I've gotten the whole family on board with volunteering for this program, which trains volunteers how to properly care for and maintain trees.

My husband and I have been active leaders with Boy Scout Troop 708 for many years.

We like to travel, walk the Katy Trail with our dog, and attend local concert and sporting events.

• What do you consider the most rewarding aspects of your job?

It's the pleasure of being able to assist other staff members with their goals and dreams through the MU Staff Development Awards and MU Staff Advisory Council Education Awards Program. Also, our annual online silent auction fundraiser for the Education Award Program is great fun. Although the auction is a collaborative team effort, this event is an exciting way to increase our funding for and awareness of our Education Awards Program.

• What is the most demanding or challenging aspect of your job?

I really love this job. I love coming to work every day. The membership of the Staff Advisory Council changes every year and just getting to know how each member works and what I can do to assist them in their tenure on council is the biggest challenge.

• How do you meet these challenges?

I try to remain positive and realize that everyone works and thinks differently and that's a good thing.

• Is there a single achievement you've been recognized for as an employee at MU or related to your outside activities?

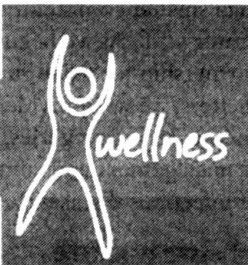
My family and I were selected to receive the Columbia's Volunteer of the Month Award in November 2010, primarily for our work with the city's TreeKeepers Program.

What others say about Scavone:

"Gina is always smiling and very personable to work with. She takes pride in this campus, especially in its staff, and is a proud mother of two MU students. Gina loves the flowers and beautiful landscapes at Mizzou. She naturally reflects this welcoming atmosphere in her office, which makes it a great haven for staff members asking questions about the Staff Advisory Council."

— Rebecca Bergfield, training and development coordinator for Environmental Health and Safety.

The Weekly Staff Meeting is an occasional feature highlighting the work and life of MU staff members. To nominate a candidate, email mizzouweekly@missouri.edu.



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Time is running out for Faculty & Staff to earn a **\$100 Wellness Incentive** in a tax-favored account to use for medical expenses in 2012 by completing the **personal health assessment** and **health screenings**.

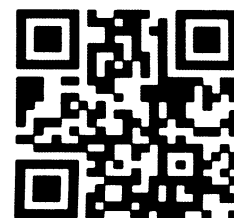
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