

PSYCH ♦ NOTES

College of Arts & Sciences Alumni Association

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New instrument, new focus: Neuroscience

Construction crews were once again hard at work in the Psychology Building, converting existing office and lab space into a new home for the IU Imaging Research Facility. The facility houses a 3T Siemens Magnetom Trio, a powerful instrument used for magnetic resonance imaging, or MRI. The new MRI allows scientists on the Bloomington campus and their students to image the anatomy of the brain and the rest of the body. However, researchers are most excited about using the new instrument for functional MRI (fMRI), a noninvasive method for studying patterns of brain activity during mental operations.

The facility, funded by Commitment to Excellence funds, is now being used by researchers across campus as part of the Human Biology Program (see www.indiana.edu/~humbio for more information). Research projects in the works address the interplay of neurocognitive networks during problem solving and language

processing, the bases of object recognition in sensory and motor processes, the cognitive processes in decision making, neural systems underlying cognitive decline in Huntington's disease, and neural processes in drug addiction. Essentially, fMRI technology allows researchers to peek into the brain and see how neural systems react to a variety of tasks and stimuli, providing insights into how behaviors are implemented within the brain's physiology.

"This effort provides a multitude of direct and indirect benefits to both gradu-

ate and undergraduate students," said Julie Stout, the facility director. "Students have the opportunity to be part of research labs doing MRI studies and to take classes with the MRI scientists. On an indirect level, because of this cutting-edge technology, the university will be able to attract and retain some of the best and brightest researchers from a variety of fields."

For more information on the new Imaging Research Facility, the faculty and labs involved, and opportunities for research experience, visit www.indiana.edu/~imaging.



A new name, too

The arrival of the eight-ton fMRI magnet is one of the heavier examples of the changes that have been taking place in the department over the past several years. The department has recently received approval to offer an undergraduate certificate in neuroscience, and the university has committed several million dollars to further develop neuroscience on the Bloomington campus. With this growth in neuroscience, as well as increased interest in computation and cognitive sciences, the department has changed its name to the Department of Psychological and Brain Sciences. This change was made official at the November 2005 meeting of the IU trustees.

Undergraduates to explore neuroscience

The Program in Neuroscience has been part of the university since 1963, with interest in the field growing rapidly over the years. The program has brought many top researchers in brain sciences to the university, and offers PhD training opportunities. However, no formal training in neuroscience existed on campus for undergraduates — until now. Beginning with this December's commencement ceremony, undergraduates will be able to graduate with a certificate in neuroscience. The certificate is the product of a concerted effort by the Psychology Curriculum Committee at the request of former department chair

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Associate chair reflects on time of change

The year 2005 has been a time of significant change and of new opportunities for our department. As you know, **Joseph Steinmetz**, who served as chair of the department for 10 years, stepped down on July 1. Joe was succeeded by **Linda Smith**, following a unanimous election by psychology faculty. I was deeply honored when Linda asked me to be associate chair, and I consider it a great privilege to serve a distinguished department such as ours in this capacity.

The department mourns the passing of **James Dinsmoor**, who was a professor at Indiana University for 34 years and a valued member of our department until his retirement in 1986. His research made seminal contributions to the understanding of fundamental principles of behavior. Professor Dinsmoor is remembered by his former colleagues and students not only as a leader in psychological science but also as an active member of the community. Those who were around then (and remember the times) may also remember that in 1966, he ran for Congress on an anti-war platform. The department will honor his research contributions by giving an award in his name to a graduating senior who will be pursuing a career in research.

Our undergraduate program continues to thrive and develop in new directions. Currently, 1,024 students are majoring in psychology (making it the second-largest degree program in the college), and our instructors teach around 40,000 credit hours per year. The psychology advising office has grown with the addition of **Jody Ferguson**, whose time will be shared with the Cognitive Science Program. During the past year, faculty deliberated and voted on revisions of the current psychology major. These changes will enhance our current curriculum by strengthening foundational and advanced knowledge in core areas of psychology. In parallel, a proposal for a new neuroscience major has been formulated by a committee of psychology faculty chaired by **Cara Wellman**. This proposal is currently under review by the College of Arts and Sciences. We expect that this new program will make a significant addition to the spectrum of offerings in brain and life science degrees on the Bloomington campus.

A major event of the past summer was the arrival and installation of a 3T MRI scanner for the new Imaging Research Facility housed in the Psychology Building. The magnet was promptly labeled by the Indiana Daily Student as our latest "B.M.O.C." (Big Magnet on Campus).



Architects and contractors worked overtime to finish renovations in time for the delivery of the eight-ton magnet, which entered the new facility through a 10-foot opening cut into the east outside wall of the Psychology Building. Incredibly, the facility was operational and our first brain images were acquired just days later. **Julie Stout**, the director of the Imaging Research Facility, **Hu Cheng**, who joined the facility as the MR physicist, and other members of the MR operations committee have worked tirelessly to put in place operating procedures as well as to procure, install, and test the necessary experimental equipment. Faculty members in our department and in other units around campus are now initiating a broad range of research studies using this new facility. In addition to enabling cutting-edge human MRI research, the facility plays an important role in teaching and training our graduate and undergraduate students.

Wanted: YOU!

As many of you may remember, the Department of Psychology at IU is large, with hundreds of undergraduate majors passing through our doors on a regular basis. Would you be interested in helping us connect current students with our alumni? You can help by giving us your story to use in future newsletters or on our Web site. Also, we would love "words of wisdom" for students about your field and life after graduation. Contact Heather Winne at (812) 855-8897 or hwinne@indiana.edu.

In October, the department received administrative approval for changing its name to Department of Psychological and Brain Sciences, following a faculty vote on the issue last May. This is a momentous event, as the department last changed its name in 1929 (from Department of Psychology and Philosophy to Department of Psychology). The new name reflects the broad range of areas covered by the research of our faculty, as well as our strong emphasis on collaboration and interaction across the boundaries of traditional areas. This integrative approach to psychology and neuroscience not only benefits the individual research programs of our faculty, but also provides unique opportunities and flexibility for our students to get the training they need.

As Linda and I look toward the future, we see many opportunities for our department to extend its leadership in the integrative study of brain, mind, and behavior and to continue its innovative approach to undergraduate and graduate education. We are thankful to our alumni for their generous contributions to the department over the past years. These contributions help us to develop the department in new directions and promote new ways to educate and mentor our students more effectively. Please do not hesitate to contact us (hwinne@indiana.edu) with any suggestions and comments you might have. We look forward to hearing from you.

— *Olaf Sporns*
Associate Chair

Explore

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Joseph Steinmetz.

The certificate functions as a minor and is the first step toward an undergraduate major in neuroscience. Committee members pulled existing coursework together to create the certificate requirements, and a new committee has been formed to develop this initial framework into a major.

The certificate requires a combination of introductory and advanced neuroscience courses and lab work, as well as elective coursework in psychology, biology, chemistry and/or medical sciences, depending on student interest.

More information on the Program in Neuroscience can be found online at www.indiana.edu/~neurosci/. Information on the undergraduate certificate in neuroscience can be found at www.indiana.edu/~psych/neurocert.html.

Walker Lab explores pain

Visitors to J. Michael Walker's laboratory Web site are greeted with the words "PAIN KILLS" — an effective summary of the importance of pain research. According to Walker, pain has the capacity to kill in many ways — by stressing the body beyond its limits, by destroying its reserves, and possibly by the despair that can accompany it and lead to drug and alcohol abuse. In addition to causing death, it also drains away human resources and potential, and can put a tremendous strain on families.

Growing up, Walker witnessed the effects of chronic pain first hand as he watched a family friend cope with its debilitating nature. When he came to IU as an undergraduate, he was able to begin learning about the nature of pain from classes with Gabe Frommer and Jim Craig and from work conducted in Frommer's tactile sensation lab. Walker's quest for knowledge about pain continued when he attended Ohio State and was able to focus his research in that area. He then had a post-doc at Michigan, and went on to join the faculty at Brown, where he worked for 21 years, five as chair.

Last fall, Walker returned to IU to continue his research and serve as director of the Program in Neuroscience, Gill Chair of Neuroscience, and director of the Gill Center. His research is funded by the National Institutes of Health and the Linda and Jack Gill endowment to IU.

In the lab, Walker and his associates are attacking the problem of pain on three fronts: how the body regulates its own pain sensitivity, the chemistry involved in producing and relieving pain, and the potential role of lipid signaling molecules in the transmission of pain messages.

When the body senses a pain-producing stimulus, cutaneous neurons, called nociceptors, respond. The brain sometimes sends signals to the spinal cord to control the inputs from the nociceptors. Some of the neurons involved in this pain-response process produce endorphins, which are synthesized and released by cells in the brain to inhibit pain. Additional molecules, also produced by the body, work in parallel with the endorphins to reduce pain. Walker's work shows that those molecules are endocannabinoids, marijuana-like substances formed by the body.

The initial work to determine what additional molecules might play a part looked at whether synthetic cannabinoids can affect the circuits in the spinal cord that transmit pain messages to the brain. By recording the activity of single neurons in the spinal cord in response to strong pressure stimulus before and after applying the drug, Walker was able to show that cannabinoids reduce spinal pain transmission. Walker then wanted to determine whether endocannabinoids produced by the brain itself were effective in inhibiting pain.

Walker used a technique called microdialysis to collect molecules from the extracellular fluid of the periaqueductal gray (PAG) structure in the brain, as it had been determined that miniscule amounts of cannabinoids injected into this area had reduced pain sensitivity in previous experiments. By stimulating the tissue of the PAG electrically, Walker found that electrical stimulation caused the release of the endocannabinoid anandamide. These findings suggest that activation of the PAG causes the release of anandamide, which in turn reduces pain sensitivity.

Walker then wondered what other molecules the body might produce to block pain, and what molecules cause it. To answer these questions, Walker used tandem mass spectrometry to identify molecules



J. Michael Walker

affecting pain. Walker discovered that there is a family of conjugates of arachidonic acid with various amino acids that play a role in pain. The body conjugates dopamine with arachidonic acid, producing a structure called NADA, which is very similar structurally to capsaicin, an ingredient in hot chili peppers. Walker found that when they injected NADA into the skin, it caused burning pain. The lab is now working to determine if NADA or a similar substance produces the burning pain of inflammation.

On the communication side of pain, Walker is working to identify signaling lipids within the brain to gain new insights into the array of lipid signaling molecules that alter our perception of pain. The human genome project revealed that there are many receptors within the brain that have no known assigned molecules (endogenous ligands) to bind with. The Walker lab is particularly interested in these "orphan receptors" as they seek to understand the brain at a molecular level in pursuit of better pain treatments. Applying techniques developed for identifying proteins to study lipids, Walker has identified several active molecules, including a family of lipids that occur as conjugates of fatty acids and amino acids. By pursuing targeted lipidomics of signalling molecules, the Walker lab seeks to provide new knowledge about the mechanisms by which neuronal elements communicate about conditions that cause pain.

By examining pain from a variety of angles, Walker hopes that an increased understanding of the biochemistry and physiological mechanisms of pain will lead to improved therapies for people who suffer, and even die as a result of chronic pain. More information on the Walker lab can be found online at www.indiana.edu/~jmwlab/.

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Visit the department online at www.indiana.edu/~psych.

Faculty Notes

Faculty activities

Jerome Busemeyer is now serving as program manager for the Cognition and Decision Program at the Air Force Office of Scientific Research in Arlington, Va.

Peter Finn, along with co-investigators **Richard Viken** and **John Kruschke**, was awarded a new five-year, \$1 million grant from NIDA to study attentional biases and processes in young adult drug abusers.

John Kruschke was awarded an Active Learning Grant in summer 2005 from IU Instructional Support Services. With the grant, Kruschke will develop Excel workbooks for the departmental introductory statistics course to guide students through generating their own sampling distributions, the core concept in hypothesis-testing statistics, so they can actively create any desired sampling distribution for large numbers of samples.

Robert Nosofsky was recently selected to serve as the next editor of the journal *Psychonomic Bulletin and Review*. His term starts in January 2006.

Richard Shiffrin was elected to the American Philosophical Society.

A paper by **Eliot R. Smith** and G.R. Semin, "Socially situated cognition: Cognition in its social context," published in *Advances in Experimental Social Psychology*, has been named winner of the Society for Personality and Social Psychology 2004 Theoretical Innovation Prize.

Steinmetz steps down, Smith steps up

On July 1, 2005, after 10 years of service, **Joseph Steinmetz** stepped down as chair of the department to assume the position of executive associate dean of the College of Arts and Sciences. Steinmetz plans to continue his research in neural, clinical, and cognitive science. He recently announced that he will leave IU this coming July to take up the post of dean of the College of Liberal Arts and Sciences at the University of Kansas.

Linda B. Smith agreed to take over as chair of the department. A Chancellor's Professor of psychology, Smith studies early word learning and its role in perceptual development in children 12 months to 3 years of age. Her research is supported by the National Institute for Child Health and Development and by the National Institute for Mental Health.



Linda Smith

Eliot R. Smith and **Robert L. Goldstone**, along with co-investigators Hugh E. Kelley (economics), and Luis M. Rocha (informatics), have been awarded a grant from the National Science Foundation, titled "Dynamics of Information Flow and Decisions in Social Networks." The planned research seeks to investigate how and when people use information provided by others (linked to them in social networks of friendship or acquaintanceship) in making decisions or judgments that affect them.

Peter Todd's research on the mate-search process and simulations of how people can set aspiration levels and make choices in this process was highlighted in a German documentary titled *Ich Dich Auch (I love you too)*.

New faculty

Brian D'Onofrio joins IU as an assistant professor in the clinical science program. After earning a BA in psychology from the University of Virginia in 1997, he worked for two years at the Virginia Institute for Psychiatric and Behavior Genetics. He returned to UVA and earned his MA (2002) and PhD (2005) in clinical psychology. He recently completed his clinical internship at Children's Hospital Boston/Harvard Medical School, where he received training in clinical and pediatric psychology. His research, rooted in the field of developmental psychopathology, explores the causes of child and adolescent psychopathology.

Busey, Yu receive National Institute of Justice grant

Thomas Busey and **Chen Yu** were recently awarded a three-year grant from the National Institute of Justice for their research on fingerprint identification. The grant supports research to accomplish two primary objectives: first, to identify the processes fingerprint experts employ when matching prints, and second, to translate those processes into a computer program.

Fingerprints, long a cornerstone in identifying perpetrators of crime, have come under attack in recent years. Some attorneys have begun to argue against the reliability of fingerprints and fingerprint examiners in accurately identifying fingerprint matches. One argument states that a novice can identify a print as well as an expert and therefore fingerprints should be presented to jurors without any interpretation or opinion from an expert. A second argument is that experts have the potential for bias in fingerprint identification. Still a third states that it is



Thomas Busey



Chen Yu

possible for two fingerprints to be similar enough to one another to be confused.

Busey's research has found that experts are better able than novices to distinguish prints in all situations, whether the prints are complete, partial, or embedded in visual noise. He has also found that experts use different parts of their brains when examining a fingerprint than a novice does — the same part of the brain that is activated when a normal person sees a face. Busey is now expanding

on that research, paying particular attention to understanding why these specialists can see difference while others cannot.

As a follow-up to this, Yu is trying to use the knowledge garnered by Busey to create a computer program sophisticated enough to identify prints as accurately, or more accurately than current capabilities. Currently, computers encounter difficulty in deciphering which part of a fingerprint they are identifying when given a partial print to reference.

The computer is able to narrow down possible choices, but final matching must be completed by an expert. Yu hopes to change this, making the computer as close to human in identifying a print, while eliminating the possibility of matching bias that is possible, though unlikely, in a print examiner.

Busey and Yu are also working to expand their research in the near future to processes used in matching of bullets to guns via chamber grooves.

Department says goodbye to James Dinsmoor

James A. Dinsmoor, professor emeritus, died on August 25, 2005, in New Hampshire. Dinsmoor graduated from Dartmouth College in 1943 and received his master's degree and PhD from Columbia University. He taught at Columbia from 1946 until 1951, when he came to Indiana University. His research focused on examining fundamental behavioral processes, integrating behaviorism with other branches of psychology. He served 10 years as a member of the executive committee of Division 25 of the American Psychological Association, including six years on the APA's Council of Representatives and three years as vice president of the division. He also served 10 years on the Council of the Midwestern Psychological Association, including stints as secretary-treasurer and president. He was a member of the organizational committee for the Association for Behavior Analysis and on



James Dinsmoor

the board of directors of the Society for the Experimental Analysis of Behavior for 12 years, and he served for two years as president of the society and chair of its board. He retired in 1986.

Outside of the field, Dinsmoor was active in politics and maintained a strong interest in international affairs. He was instrumental in organizing opposition to the war in Vietnam, speaking at the first open-air rally on IU's campus, chairing IU's first teach-in, and in 1966 running for Congress on a peace platform. Many trace large-scale participation by the university community in local politics to this campaign and the subsequent campaign for

Eugene McCarthy, both of which carried the Democratic primary in Monroe County.

Before his death, Dinsmoor was selected to receive a lifetime achievement award from the Society for the Advancement of Behavior Analysis (SABA). In response to congratulatory correspondence with William Timberlake, Dinsmoor wrote, "Thanks for the kind words, but I will take them as a goal, rather than an accomplishment."

A memorial service was held in Bloomington on Nov. 13, and an undergraduate award is being named in his honor. His lifetime achievement award from SABA will be presented posthumously at the meetings of the International Association of Behavior Analysis in May 2006.

Dinsmoor's family has asked that any memorial contributions be made to Amnesty International USA, 5 Penn Plaza 14th floor, NY, NY 10001.

Sabbaticals benefit to faculty, department

Every seven years, faculty members on the campus of Indiana University have the option of requesting a sabbatical leave. Last year the Department of Psychological and Brain Sciences had three faculty members on full-year sabbatical, and an additional four who took half-year leave. While sabbatical provides an opportunity to relax and catch one's breath, it is also very beneficial to the department.

Jim Craig, who took a full-year sabbatical, returned to the department refreshed and with a renewed dedication to his field of study. "In addition to influencing the direction of my research for the next several years, my appreciation when I teach this subject matter will also improve," said Craig.

During the break, Craig had the opportunity to see in action some of the research practices he'd only heard and read about. He spent the fall semester conducting research at the Mind/Brain Institute at Johns Hopkins University in Baltimore.



Jim Craig

Craig and Kenneth Johnson have collaborated for a number of years on the development of a new tactile simulator. The device, which has been operational for two years, is housed at Johns Hopkins. "It's a lot different reading about neurophysi-

ological studies and data than it is being in a laboratory and seeing the data collected and analyzed first hand," said Craig.

Julie Stout, who also took a full year sabbatical, spent a majority of her time in Australia, working as a visiting associate professor in the Department of Psychology, Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne, Victoria, Australia. While there, Stout was able to catch up with what other researchers in her field were doing.



Julie Stout

"I was able to sit down on the couch in the middle of the afternoon and actually read a journal instead of skimming it," Stout said. Stout did some collaborative research with Philip Smith on mathematical modeling of action selection research at the University of Melbourne and with Nellie Geogiou-Karistianis on functional MRI in Huntington's disease at Monash University. She also wrote several papers and spoke extensively on the subject of Huntington's disease while overseas. "It was great to be able to collaborate and network with others, and then have time to reflect on and grow from it. I was able to come back reinvigorated and ready to put some new ideas into action."

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Student Notes

Students honors

Kevin Ball received a Ruth L. Kirschstein National Research Service Award Individual Fellowship for his research project titled "Effects of MDMA on Striatal Physiology and Morphology" from the National Institutes of Health.

Leslie Blaha received a three-year NSF graduate research fellowship, funding her research in visual perception and perceptual learning with an emphasis on information processing models.

Jennifer Fite received a graduate research fellowship from NSF, funding her research focused on the interaction of impulsivity and social information processing in predicting adolescent aggression.

PhDs awarded

Meghan Campbell — now working as an intern at the Southwest Consortium Department of Veterans Affairs;

Allison Foster — now a research scientist at Advanced Bionics in Santa Clarita, Calif.;

Jae Paik — now an assistant professor at Colorado State;

Uzma Rehman — now an assistant professor at Queen's University-Ontario;

Jesse Spencer-Smith — an assistant professor at University of Illinois-Champaign-Urbana; and

Andrew Wilson — in a postdoc position at the University of Aberdeen in Scotland.

Alumni Notebook

Before 1970

Julian S. Glazer, BA'37, of Chicago, writes, "I am busy staying alive." His daughter, **Mary Beth (Glazer) Mullenholz**, earned a BA in psychology in 1976.

Paul R. Fuller, MA'49, PhD'52, is reviewing behavioral psychology documents from IU and other sources back to the 1940s. He published the first application of operant conditioning of a human in 1949. Fuller lives in Grand Rapids, Mich.

Susan (Wantz) Kupisch, BA'68, MS'69, PhD'76, is vice president for academic affairs and dean of the university at Lambuth University in Jackson, Tenn. Her address is kupisch@lambuth.edu.

Philip D. Huffman, BA'69, BS'73, OD'74, is an optometrist in North Olmsted, Ohio. In January 2005, he participated in a VOSH Ohio (Vision Optometric Services to Humanity) trip to Tanzania, where the group's clinic teams provided free eye care to approximately 4,000 Tanzanians. This January, Huffman went on a VOSH Ohio trip to Ecuador. He and his wife, Carol (Cicolani), BME'73, will take another important trip in 2006: The Huffmans plan to move back to Bloomington, Ind.

Shirley (Rosner) Passman, BA'69, writes that she has been formally studying photography for two years and her first photo exhibit started on June 7 in Somerville, Mass. A sample of her work can be found online at www.imagery-online.net.

1970s

Peter Weisz, BA'70, is a public speaker and the author of many books about the Holocaust and related subjects. He was featured at Indiana's seventh annual Holocaust Memorial Observance in 2005.

William B. Whitten II, BA'70, is Distinguished Research Scholar at Fordham University's Graduate School of Education. He lives in Holmdel, N.J.

Sharon (Alltop) Kline, BA'71, is a director at L.J. Melody & Co., a nationwide mortgage and investment banking firm in Newport Beach, Calif.

Darryl D. Curson, BA'72, MS'75, is human resources director for Cook Pharmica in Bloomington, Ind. He and his wife, Lynda, AGS'98, BGS'04, live in Bloomington, Ind. His address is dcurson@cookpharmica.com.

Thomas G. Reiter, BA'73, MBA'05, of Novi, Mich., is senior account manager for the automotive and appliance industry unit of ExxonMobil Chemical Company in Farmington Hills, Mich. He is responsible

for marketing polymers to Japanese automobile manufacturers and their suppliers. In August, Reiter earned an MBA through IU's Kelley Direct program. He previously earned a master of engineering degree in technical Japanese from the University of Wisconsin-Madison and a post-graduate bachelor's degree in Japanese language and culture from Madonna University in Livonia, Mich. He retired Jan. 1 and planned to seek a new career in which he can employ his Kelley MBA and his education and background in Japanese language and culture. His address is tgreiter@iupui.edu.

Susan (Dickey) Dovenmuehle, BA'74, MS'75, is the bereavement counselor at Hospice of Bloomington Hospital and has a private counseling practice focusing on grief, loss, and depression.

Chris Von Der Haar, BA'74, MS'79, MA'82, PhD'85, is a lecturer in sociology at IU Bloomington. She recently published a book, *Social Psychology: A Sociological Perspective* (Prentice Hall, 2005).

Richard T. Hanes, BA'76, is vice presi-

dent for grants and contracts management at CureSearch National Childhood Cancer Foundation in Bethesda, Md. He and his wife, Catherine "Casey" (Jones), BS'76, live with their three children in Vienna, Va. His address is rhanes@verizon.net.

James P. Shea, BA'76, MS'80, is director of professional development programs for IU's School of Continuing Studies. His wife, Patricia (Southard), BS'75, MAT'76, is an audiologist for ENT Associates of Southern Indiana. They live in Bloomington and can be reached at jpshea@indiana.edu.

Mark D. Ellenberger, BA'79, MA'80, MA'86, works for a Department of Defense agency, while his wife, Nancy (Paredes), BS'84, continues her work at the National Geospatial Intelligence Agency. They have two daughters, Andrea and Sarah.

1980s

David T. Pfenninger, BA'83, chair and CEO of Performance Assessment Network in Carmel, Ind., has been inducted into the
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Sabbatical

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While Craig and Stout chose to spend their sabbatical traveling away from the department, others opted to stick close to home and use their added time to focus in on specific projects. **Peter Finn** and **Jack Bates** both used their time to work on getting new research projects under way.

Finn, who took a half-year sabbatical, worked on getting a newly funded National Institute of Drug Abuse (NIDA) study in place and operational. The study looks at attentional biases to reward stimuli in drug-

dependent individuals and how such biases are associated with personality, antisocial traits, and learning. It also attempts to determine how contextual factors might influence and support attentional biases in drug-dependent individuals. The research uses special eye-tracking equipment, which Finn and his lab had to learn to use. "My sabbatical provided the time I needed to be able to successfully implement the new NIDA grant," said Finn. "In addition to that, I managed to get quite a number of papers completed with graduate students



Peter Finn

and other collaborators. It was a very successful sabbatical."

Bates used his semester-long sabbatical to work more intensely with graduate students on developing procedures for a study on how differences in self-regulation develop in young children. The study focuses on the interaction of multiple factors including sleep, temperament, and family dynamics. Bates was also able to review literature on temperament and how children interact with the environment to predict adjustment, and write two review chapters — one for the *Handbook of Child Psychology* and one for the *Handbook of Socialization*. "The best part for me was just the ability to read and think," said Bates.

Most of us long for opportunities to get away, press pause on our hectic lives for a while, and reset. Somehow, it often gets sidelined by things we deem to be more important, or a more valuable, worthy use of our time. Based on the benefits experienced by faculty on sabbatical, however, the resulting ability to return to our lives more refreshed, and perhaps more enlightened, makes it clear that sometimes downtime is also time well spent.



Jack Bates

Alumni notebook

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Ernst & Young Entrepreneur of the Year Hall of Fame.

Roger A. Morris, BA'85, MS'90, MIS'03, of Bloomington, is an information systems coordinator at IU.

Oliver N. Oyama, PhD'85, is an assistant clinical professor at Duke University and an affiliate assistant professor at the University of South Florida. He and his wife, Kathy Oyama, MAT'84, have three children.

Sharon (Persinger) Shriver, BA'86, is a biology instructor at Penn State and was recently selected as a recipient of the C.I. Noll Award for Excellence in Teaching.

Erin R. Thompson-Heston, BA'87, has been a trial attorney for Powell Birchmeier & Powell in Tuckahoe, N.J., for 15 years. She has a daughter, Megan, 7, and a son, Adam, 3. They live in Sewell, N.J.

Daniel S. Aronoff, BA'89, of Nashville, Tenn., writes that after 15 years in human resources with Exxon, Kraft Foods, and Goldner Associates, he has joined FranNet, a global organization of consultants specializing in franchise consulting.

Deb (Thompson) Mosson, BA'89,

writes that she was named Mrs. Indiana-America in April 2005. She represented Indiana in the Mrs. America Pageant in Palm Springs, Calif., last September and has been making appearances to speak about educating youth on positive relationships.

Karen E. Timberlake, BA'89, is the director of the Wisconsin Office of State Employment Relations. She and her husband have two children, James and Annelise.

1990s

Stephen S. Hall, BA'90, DDS'94, and his wife, Renee, have four children: Sydney, Taylor, Abby, and Dylan. They live in Fortville, Ind.

Lauraine (Lee) Seah, BA'91, works for Management Tools International in Shanghai, China, and lives in Singapore with her husband, Louis, BS'90, MBA'91. Her address is lauraine.seah@management-t.com.

Maurice A. Cogdell Jr., BA'92, is the founder of Cogco/Marketing. He serves as a medical services broker. He also has a medical sales position with Stericycle Inc.

Nandita (Guha) Shepherd, BA'92, JD'98, joined Barnes & Thornburg as an associate in the law firm's Indianapolis office.

Jason R. Owens, BA'93, MBA'01, of Indianapolis, is senior products manager

for Cosco Home and Office's furniture division.

Jennifer (Swidron) Schott, BA'93, MS'96, is an academic adviser/career counselor at IUPUI. She lives in Martinsville, Ind.

Bridget J. Roberts, BA'94, earned a PhD in counseling psychology in 2005 from Indiana State University. The title of her dissertation is *An Analysis of the Social Support Network of Gay Men Living with HIV*.

Jennifer W. Christian, BA'95, and her husband, William J. Christian, BS'93, had their first child, Liam, in May 2005.

Maj. Scott A. Sendmeyer, BS'95, BS'03, is living in Bucharest, Romania, and attending the political science faculty of the University of Bucharest on a scholarship from the Olmsted Foundation. His address is ssendmeyer@yahoo.com.

Jeremy A. Klotz, BA'96, has joined the law firm of Dinsmore & Shohl, Cincinnati, as an associate in the litigation department.

Jennifer S. Morrison, BA'96, of Carmel, Ind., works for BSA LifeStructures, an architecture and engineering firm. She completed a bachelor's degree in electrical engineering with an emphasis in biomedical engineering at Rose-Hulman Institute of Technology in December. She writes, "Eventually, I plan to go back to school and either get an MBA or enroll in a master's program in which I can utilize the Purdue School of Electrical Engineering and IU School of Medicine while conducting research at Riley Hospital for Children to work with pediatric cochlear implants."

Amy L. Johnson, BS'97, of Brighton, Mass., is pursuing an MBA with a concentration in nonprofit management at Suffolk University in Boston. Her address is amy.l.johnson@juno.com.

Attorney **Michele S. Katz Rosenblum**, BA'97, has been named to the board of directors for the Chicago chapter of the National Association of Women Business Owners.

Brad S. Loveall, BA'99, MIS'03, is a programmer and analyst for Prometheus Consulting, Indianapolis.

2000s

Gabe T. Meyers, BA'01, is an assistant field construction manager in Crestview Hills, Ky. He and his wife, Chelsea (Montgomery), BS'00, celebrated their second wedding anniversary last October.

Sherron R. Moore, BA'01, MIS'02, is an implementation manager for Clarian Health Partners, Indianapolis.

Neesha S. Patel, BA/BS'01, JD'04, is a deputy public defender for the juvenile division of the Marion County Public Defender

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Alumni spotlight

Barbara (Berger) Walker helps others cope

Thirty years after leaving IU with a bachelor's degree in psychology, Barbara Walker is back. Now with a doctorate and many years of experience, Walker is bringing her perspectives on the importance of behavioral health in pain management to the Bloomington community.

The concepts of psychophysiology first became an interest for Walker while she was at IU, working with John Gottman on her undergraduate honors thesis. After IU, she attended Ohio State, earning her PhD in clinical psychology in 1979. She then went on to join the faculty at Brown University, and become the director of behavioral medicine at Miriam Hospital in Rhode Island.

In the fall of 2004, Walker came full circle, moving back to Bloomington with her husband, Michael Walker, who had accepted a faculty position within the department. She began working in the department as well, teaching Health Psychology to undergraduates, and she set up a headache project, working with graduate students on treating headache sufferers applying techniques from social and behavioral science to medical patients.

Walker's work focuses on treating the whole patient. "Chronic or severe pain causes loss and often times depression," said Walker. "Adding a behavioral health piece to treatment can improve results." Walker works with patients to evaluate their pain, manipulating variables in their lives to try to prevent and manage the pain. She also works with them on learning new coping skills to minimize depression. "Depression amplifies pain," said Walker. "It often acts like a volume knob on the degree of pain they experience. So, if we get their depression under control, it is often like turning down the volume on the pain as well."

Walker has been back at IU for a year now, and will soon begin seeing patients in the Pain Center at Bloomington Hospital. In the long term, Walker hopes to bring more behavioral medicine to patients coping with other medical problems.



Barbara Walker

Alumni notebook

(continued from page 7)

Agency. She writes, "I love the people I work with and really enjoy what I do."

Brenda M. Stidham, BS'01, BA'02, of Clio, Mich., is a news producer/sports reporter-anchor for WEYI NewsCenter 25 in Clio, which serves Flint and Saginaw. She started there in February 2005 after serving as an anchor, reporter, and producer on the weekends for WLUC-TV in Marquette, Mich. She writes, "I wasn't fond of the arctic chill or the lack of commerce, so I headed south when the time was right. While I enjoy news producing, I craved to get back on-air and cover sports. Luckily, my bosses and I created a schedule like no other. I produce our newscasts on some days. On others, I field report (live shots and all) and also co-anchor two weekly sports shows. Living just five hours away, I find time nowadays to venture home to Indiana to visit family and friends, and even to tailgate at IU football games. Plus, with an alumni chapter in Saginaw, I feel as though I can finally be more involved with my alma mater and show my Hoosier pride, which, when working with Wolverines and Spartans, is a MUST!"

Ben T. Nyboer, BA'02, writes that he has finished two years of postgraduate studies at IUPUI and is planning to enroll in pharmacy school in August 2006.

Timothy J. Greives, BA/Cert'03, is a student in the Ph.D. program in evolution ecology and behavior at IU Bloomington. He plans to graduate in 2009. His address is tjgreive@indiana.edu.

Prajakti Kalra, BA'03, wrote a thesis about the border between Uzbekistan and Tajikistan for her master of arts degree program in international relations at the University of Chicago. She graduated with an honors notation on her thesis in June 2005. She is looking for a job in India. She lives in New Delhi, India, and can be reached at prajakti_kalra@yahoo.com.

Darcy C. Lemon, BA'03, plans to attend law school in 2006. Meanwhile, she is working in marketing and living in Virginia.

Caroline A. Kiszka, BS'04, is a case manager for Developmental Services Inc. in Columbus, Ind., and is working on a doctorate in clinical psychology at the University of Indianapolis.

Renee D. Luzadder, BS'04, received a BS in cytotechnology from the University of Texas and began work as a cytotechnologist in September 2005 at Northwestern Memorial Hospital in Chicago.

Jackie M. Muha, BA'04, is working on a master's degree in social work at Loyola University in Chicago.



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