

PSYCH ♦ NOTES

College of Arts & Sciences Alumni Association

Vol. 14/Fall 2008

Undergrads take psychology skills to real world



Where do undergraduates go when they leave the Department of Psychological and Brain Sciences? They end up in competitive graduate programs and careers all over the world, using experience inside and outside of the classroom to make a difference in the world.

Students do more than just go to class while they're in Bloomington. They help perform research in laboratories, participate in service learning, assist professors in teaching, and serve on various boards and committees around the university.

We've tracked down former students to find out where they are now and how their experience at IUB helped them become the well-rounded individuals they are today.

Getting a head start – *Melissa Troyer, BS'08*

One 2008 honors graduate already has her foot in the door for a future career in cognitive science. **Melissa Troyer** graduated with bachelor's degrees in psychology, cognitive science, and French. She is now a PhD candidate in MIT's Brain and Cognitive Science Department and hopes to become a professor of cognitive science.

Troyer not only had more majors than the average student, but she also participated in many activities in her time at IU. She was a research assistant in Professor **David Pisoni's** Speech Research Lab; a member of the Union Board, IU's largest student-programming organization; an assistant director for the lectures committee; a

(continued on page 4)

Teaching assistant receives first-ever Weiskopf Award

In June 2007, adjunct associate professor and clinical psychologist **Robert Weiskopf** died of brain cancer at age 60. To honor his memory, the department created the Weiskopf Award for Outstanding Undergraduate Teaching Assistant. This award is funded by donations to the Psychological and Brain Sciences Fund.

At the 2007–08 J.R. Kantor Undergraduate Honors Banquet, **Bryan Olson**, teaching assistant for **Phillip Summers**, received the inaugural Weiskopf Award.

Olson, of Naperville, Ill., hopes to one day become a clinical psychologist. He graduated in May 2008 with a degree in

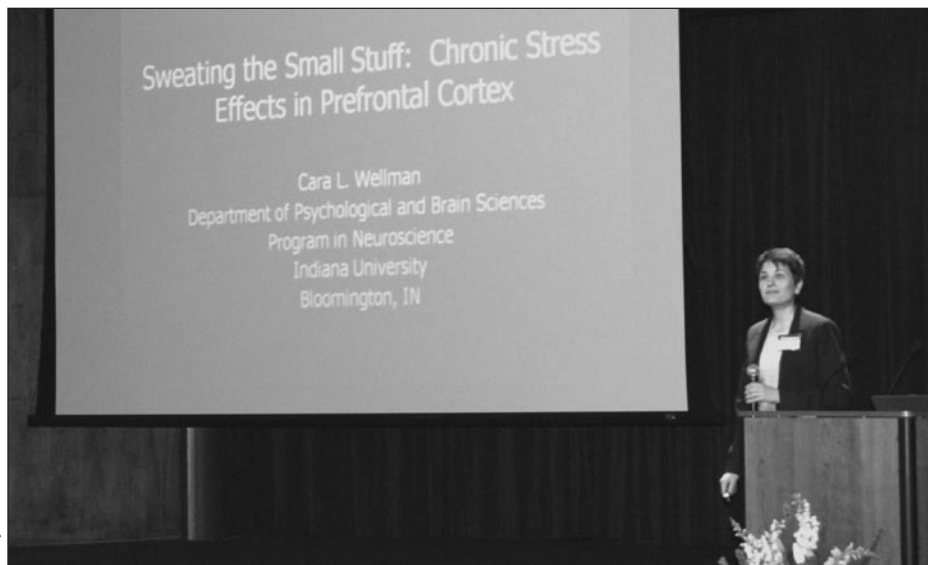
psychology and a minor in Spanish. In June, he left for Costa Rica, to work as a teen tour counselor. He and other counselors took a group of teens into the rainforest, where they are helping students learn Spanish alongside locals. In September, Olson traveled



*Weiskopf Award winner **Bryan Olson** and **Phillip Summers** at the awards banquet.*

(continued on page 8)

Leading neuroscientists honored at annual Gill Symposium



Neuroscientists from Stanford University and the Howard Hughes Medical Institute were recognized May 21 at the 2008 Linda and Jack Gill Center for Biomolecular Sciences Symposium.

Robert Sapolsky, John A. and Cynthia Fry Gunn Professor of Biological Sciences and Professor of Neurology and Neurological Sciences at Stanford, was honored with the 2008 Gill Award, an acknowledgement of his career-long contributions to the field of neuroscience. Karel Svoboda, group leader at the Howard Hughes Medical Institute's Janelia Farm Research Campus, will receive the 2008 Young Investigator Award.

Other speakers at the event included: Kyung-Tai Min, IU Department of Biology and Program in Neuroscience; **Cara Wellman**, IU Department of Psychological and Brain Sciences and Program in Neuroscience; and Xiao-Ming Xu, Department of

Cara Wellman, assistant professor, gave a talk titled "Sweating the Small Stuff: Chronic Stress Effects in Prefrontal Cortex" at the 2008 Gill Symposium.

Neurological Surgery, Indiana University School of Medicine and Stark Neurosciences Research Institute. IU College of Arts & Sciences Dean **Bennett I. Bertenthal** gave opening remarks. Jack M. Gill gave a tribute to **J. Michael Walker**, former Gill Center director who passed away in January.

The Linda and Jack Gill Center for Biomolecular Science was established to advance the understanding of complex biological processes, especially in the field of neuroscience. Collaborators include IU's departments of Biology, Chemistry, Physics, and Psychological and Brain Sciences, Program in Neuroscience, and the School of Medicine. For more information, visit www.indiana.edu/~gillctr.

Study sheds light on rhythms of the brain

In the human brain, groups of neurons fire simultaneously for milliseconds at a time in random rhythms. New research from IU and University of Montreal neuroscientists provides a model for this random synchronization.

The findings, which recently appeared in the *Journal of Neuroscience*, draw on the variability and creative nature of neurons. No two are exactly the same, providing for a rich and ever-changing repertoire of brain activity. The findings expand scientists' understanding of brain rhythms and shed light on the decades-old mystery of how the brain learns temporal patterns.

IU Post-doctoral researcher **Jean-Philippe Thiverge** and co-author Paul Cisek, assistant professor at the University of Montreal, created a mathematical model for how hundreds of neurons interact after being stimulated by an electric current. They propose that the random synchronization, which occurs in large populations of neurons, results from positive excitatory feedback originating from recurrent connections between the cells.

The study was supported by the Fonds Québécois de Recherche sur la Nature et les Technologies (FQRNT), the National Science and Engineering Research Council (NSERC), and the Fonds de Recherche en Santé du Québec (FRSQ).

IU award to support undergraduate researchers renewed

The Arnold and Mabel Beckman Foundation recently renewed a grant to IU that will provide undergraduate fellowships for research. The Beckman Scholars Program will support six students.

Undergraduates working in the labs of one of the 13 Beckman core faculty members are eligible to apply for a Beckman award. Faculty labs in the departments of Psychological and Brain Sciences as well as Biology and Chemistry are included in the program. Beck-

(continued on page 5)

Clinical program ranks sixth in nation

U.S. News and World Report magazine recently placed IU's clinical science program in the top 10 among its peers. The program is one of three at IU to rank in the top 10.

Linda Smith, Chancellor's Professor and chair of the Department of Psychological and Brain Sciences, was not surprised by the ranking. She noted that IU's program is a national leader in defining clinical training and is grounded in cutting edge research. The program offers students opportunities to advance understanding, early diagnosis, and treatment of various disorders.

Photo feature

JUNE FLOODING

Heavy rains in June knocked out power to the psychology building and flooded many other campus areas, including the football field. Faculty, staff and students in the Department of Psychological and Brain Sciences were affected by this emergency situation.



Jenny Porter

Sandbags were placed around the construction area where the new Multidisciplinary Science Building II is being built adjacent to the Psychology Building.

At right, students paddle through Bloomington after rain and flooding affected most of Central Indiana.

Below, cars parked on campus and around town were submerged in water after the flooding. The Psychology Building was closed for several days with no power.



Sam Karpen



Sam Karpen



Michelle Grissom

Flooding in surrounding areas, such as Spencer, caused problems for staff members who live in those towns. At right, local headlines show the flooding devastation.



Jenny Porter



Jenny Porter

Real world

(continued from page 1)

member of the Student Organization for Cognitive Science; an executive board member of the IU Linguistics Club; a member of the Timothy Organization, a group that provides health care to underprivileged individuals in poor areas of the world; an Undergraduate Teaching Assistant for a math and logic course in the Cognitive Science Program; and a computer programmer in Professor **Tom Busey's** lab.

Academic activities outside of the classroom helped Troyer make career connections and helped her realize her dream of becoming a professor.

"Learning how to think scientifically, ask research questions, and test those questions experimentally was an extremely valuable experience for me," she said. "As a computer programmer, I helped create computer applications for use as teaching tools. This experience, along with serving as a teaching assistant, was wonderful as it taught me *how* to teach."

Thinking critically – *Sara Moellers Kleinschmidt, BS'03*

Sara Moellers Kleinschmidt, a 2003 graduate, is now in Chicago pursuing a PhD in neuroscience and cell biology at Northwestern University. Next she plans to go into residency to pursue a career in academic medicine.

As an undergraduate, Kleinschmidt

enjoyed doing research in **Tom Busey's** lab. The work led her to decide to pursue a PhD and an MD.

"The skills I've learned from my mentors for thinking critically about science, reading articles, and asking interesting questions are essential to any job in academia," she said. "Five years after graduation, I can still rely on [my professors] for tangible support in the form of things like letters of recommendation."

Kleinschmidt was an assistant instructor for classes in both physics and chemistry during her undergraduate career. Before moving to Chicago, she taught high school with Teach for America.

Family inspiration – *Rebecca O'Bryan, BS'01*

Because her sister is autistic, **Rebecca O'Bryan** was always fascinated with the inner workings of the mind. She was especially interested in language development.

"Once I took my first Intro to Psychology course, I knew this would be a good major for me in order to pursue my interests," she said.

Once she started working toward her psychology degree, she had the opportu-



Students in Psychological and Brain Sciences do more than attend class. They conduct their own research and work in labs, among other activities.

nity to work both as a lab manager and an undergraduate teaching assistant.

"I greatly enjoyed the chance to do something other than go to class," she said. "I liked working in labs and classrooms and seeing the application of the knowledge I was obtaining."

After graduating *summa cum laude* with an honors degree in psychology and a minor in biology, O'Bryan worked as a research assistant for the DeVault Otologic Research Center at Riley Hospital before beginning medical school in 2004.

O'Bryan is currently a physician pursuing residency in physical medicine and rehabilitation. She's interested in how trauma, stroke, and genetic factors play a part in personality, mental illness, and ability to function. Participating in activities outside of her academic life as an undergraduate helped her get to this point.

"I think it's very important to have something else you understand and enjoy that is not work-related," she said. "It makes you better and more well-rounded in terms of taking care of patients, working with others, or working with clients — whatever career you decide to pursue."

Smaller communities, larger institution – *Dan Shapiro, BS'05*

Dan Shapiro, a current student in the clinical psychology PhD program at Emory University in Atlanta, attributes some of his success to being busy with extra activities while at IU. "My myriad of experiences really developed the way I think about

(Shapiro continued on next page)

Career preparation – *Alexander Murphy-Nakhnikian, BS'07*

Alexander Murphy-Nakhnikian, a former participant in IU's Science, Technology, and Research Scholars program (STARS), gained valuable experience that helped him prepare for graduate school.

"By working with Professor **George Rebec** in the Program in Neuroscience for several years, I learned a great deal about the challenges involved in professional research," he said. "Having such experience as I started graduate school has made the transition from undergraduate to doctoral work easier."

After graduating in 2007 with majors in psychology, philosophy, and chemistry, Murphy-Nakhnikian decided at the last minute not to go to medical school. Instead, he took a job working for Rebec.

"(Rebec's) guidance inspired me to pursue a career in neuroscience," he said. "He is an outstanding teacher who is genuinely committed to providing excellent guidance to students from the undergraduate to post-doctoral level."

Today, Murphy-Nakhnikian is pursuing his PhD in neuroscience and cognitive science. He will work with Professor **John Beggs** in the Program in Neuroscience, studying neural networks in the living brain.

"I am confident in my decision to pursue an academic career having experienced firsthand both the excitement and frustration that accompanies scientific research."

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(Shapiro from previous page)

the world and pointed me toward what I hope will be my career," he said.

Shapiro not only worked in two different labs, but also participated in the IU Campus Band, Collins Learning and Living Community, and student government, among other activities. In addition to graduating *summa cum laude* with an honors degree in psychology, he also earned a certificate in Jewish Studies and minors in both history and philosophy.

"All these activities were great ways to make a large university into smaller communities," he said. "I liked being involved in IU at multiple levels and being able to cross paths with such a diverse group of students."

And he found that diversity not only across the campus, but also within his area of study. The diverse professionals in Psychological and Brain Sciences gave him the chance to see different applications in the field of psychology. "The diversity of opinions and backgrounds one is introduced to at a large university like IU is pretty eye-opening," he said.

Shapiro is now in his second year as a doctoral student. His research interests include cognition in schizophrenia and developmental precursors of serious mental illness.

Following in the faculty's footsteps – *Jordan DeLong, BS'07*

For 2007 graduate Jordan DeLong, learning to research laid a framework that he plans to add to for the rest of his career.

"The skills and understanding I got at IU are always going to be a part of what I do in the future," he said. "My time at IU gave me opportunities to make it into my current PhD program, and was the stepping stone for any jobs I may have in the future."

DeLong is currently working toward a PhD at Cornell University in Ithaca, N.Y. He hopes to return to the Midwest someday for a faculty position. He's most interested in studying the various aspects of perception.

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Department news

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man Scholars for 2009 will be selected in the spring. In the past, psychology and neuroscience students have received fellowships from this program. For example, **Alexander Murphy-Nakhnikian**, a current graduate student in neuroscience, was a past Beckman Scholar who worked with **George Rebec**.

Inside the classroom: Sophomores get early experience

Students in Psychology 299, the sophomore honors seminar, have the chance to hear various faculty members speak while learning what it's like to work in a lab.

Lisa Thomassen, who teaches the course, said it is the first step for high-achieving sophomores preparing for graduate school.

"It is in their interest to start getting lab experience," she said. "We hope that they get a good sense of the research opportunities available, and it helps students figure out what they may want to study in greater depth."

The course is offered in the spring

semester and gives students practice reading primary research, such as journal articles and portions of grants. Throughout the semester, faculty members from across each area of departmental research speak to the students. Students have the opportunity to ask the speakers questions and often tour labs.

Dale Sengelaub, who teaches the honors thesis course (P499), is generally the first speaker of the semester. In his talk, he introduces students to the honors thesis process and timeline for achieving the honors degree.

"Faculty presentations in the class not only provide a great education for the students, but also allow faculty to recruit undergraduate research assistants from this pool of super students," Thomassen said.

Thomassen also said that the course gives students an advantage by involving them in research early instead of waiting until later in their undergraduate careers. Last year, she said, out of 17 undergraduates in the class, six worked in a lab by the end of the semester and four reported that they would be joining a lab soon. P299 also is the first step toward an honors thesis. Students need to work in a lab to complete that course.

"Working in a lab provides valuable research experience," Thomassen said. "It not only looks great on applications to grad school, but also helps students clarify their career goals."

Graduation celebration 2008



Jenny Porter

Students and their parents were invited to the Psychology Building after spring graduation. They enjoyed refreshments and viewed a slide show of photos. The event was partially funded by the IU College of Arts and Sciences.

New map IDs core of human brain

Professor and associate chair **Olaf Sporns** recently co-authored a study that created the first complex high-resolution map of how millions of neural fibers in the human cerebral cortex – the outer layer of the brain responsible for higher-level thinking – connect and communicate. This groundbreaking work identified a single network core, or hub, that may be key to the workings of both hemispheres of the brain.

“This is one of the first steps necessary for building large-scale computational models of the human brain to help us understand processes that are difficult to observe, such as disease states and recovery processes to injuries,” Sporns said.

Until now, scientists have mostly used functional magnetic resonance imaging (fMRI) technology to measure brain activity, but there has been little understanding of the role of the underlying anatomy in generating this activity. What is known of neural fiber connections and pathways has largely been learned from animal studies, and so far, no complete map of brain connections in the human brain exists.

In this new study, a team of neuroimaging researchers used state-of-the-art diffusion MRI technology, which is a non-invasive scanning technique that estimates fiber connection trajectories based on gradient maps of the diffusion of water molecules through brain tissue. A highly sensitive variant of the method, called diffusion spectrum imaging (DSI), can depict the orientation of multiple fibers that cross a single location. The study applies this technique to the entire human cortex, resulting in maps of millions of neural fibers running throughout this highly furrowed part of the brain.

Sporns then carried out a computational analysis trying to identify regions of the brain that played a more central role in the connectivity, serving as hubs in the cortical network. Surprisingly, these analyses revealed a single highly and densely connected structural core in the brain of all participants.

“We found that the core, the most central part of the brain, is in the medial posterior portion of the cortex, and it straddles both hemispheres,” he said. “This wasn’t known before. Researchers have been interested in this part of the brain for other reasons. For example,

“... If we know how the brain is connected we can predict what the brain will do.”

Professor Olaf Sporns

when you’re at rest, this area uses up a lot of metabolic energy, but until now it hasn’t been clear why.”

The researchers then asked whether the structural connections of the brain in fact shape its dynamic activity, Sporns said. The study examined the brains of five human participants who were imaged using both fMRI and DSI techniques to compare how closely the brain activity observed in the fMRI mapped to the underlying fiber networks.

“It turns out they’re quite closely related,” Sporns said. “We can measure a significant correlation between brain anatomy and brain dynamics. This means that if we know how the brain is connected we can predict what the brain will do.”

Sporns said he and co-author Patric Hagmann plan to look at more brains soon, to map brain connectivity as brains develop and age, and as they change in the course of

disease and dysfunction.

The findings appeared in the journal *PLoS Biology* in June. Co-authors also include lead author Patric Hagmann and Reto Meuli, University Hospital Center and University of Lausanne; Leila Cammoun and Xavier Gigandet, Ecole Polytechnique Fédérale de Lausanne; Van J. Wedeen, Massachusetts General Hospital and Harvard Medical Center; and Christopher J. Honey, IU Department of Psychological and Brain Sciences. The study was supported in part by the J.S. McDonnell Foundation, the University of Lausanne, Center for Biomedical Imaging of the Geneva-Lausanne Universities, Ecole Polytechnique Fédérale de Lausanne and the National Institutes of Health.



Sporns becomes media star



Google the words “Olaf Sporns” and you will find more than 8,000 hits, most referring to IU Psychological and Brain Sciences’ associate chair. On Google News, you’ll also find the study on brain mapping he recently co-authored covered by various news outlets in English, Spanish, Chinese, and German.

Jenny Porter

Professor focuses on training, mentoring

Dale Sengelaub, a professor in both psychology and neuroscience, recently was featured in Indiana University's *Graduate Quarterly* magazine. He spoke about mentoring and his own work with students.

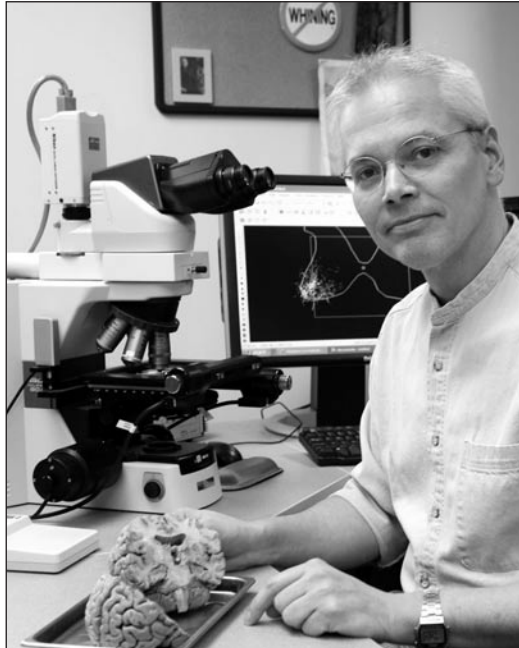
Sengelaub uses one-on-one mentoring to ensure that students are trained to do their own work in the lab.

"I don't believe in the model where you have a technician who does everything and the students hand it to a technician to do," he said. "Someday (the students) are going to have to run a laboratory, and if they don't know how to do these things, how are they going to be able to teach anyone else how to do it?"

Students in his labs, he said, are not treated as "hands." Instead, his goal is to treat them as colleagues. In his own experience as an undergraduate, he did not receive this kind of treatment.

"I knew a lot about the research and the laboratory (as an undergraduate), but I was never really able to contribute to science in a meaningful way."

He believes that being in the lab as much as possible is key to being a mentor. Mentors must commit to physically being there for the students.



IU University Communications

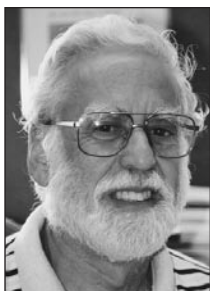
"I can't just sit in my office and have them come down and tell me about their problem," he said. "We can't fix it from there."

Sengelaub mentioned other important pieces to mentoring, such as career advice, training, and as much one-on-one, face-to-face time as possible.

\$1.2 million NIH project to help track, predict epidemics

Professor **Stephen J. Sherman** is one of three principle investigators awarded \$1.2 million from the National Institutes of Health (NIH) to build the ultimate international epidemic research tool.

Sherman will oversee the project along with researchers Katy Borner (School of Library and Information Science) and Alessandro Vespignani (School of Informatics and Cognitive Science Program). Additional members of



Sherman

Dexter Gormley

the evolving team are IU researchers Duygu Balcan, Weixia Huang and Bruce Herr. The project is titled EpiC, which is short for "Epidemics Cyberinfrastructure."

The researchers hope the project will make the sharing and re-using of epidemics datasets and algorithms as easy as sharing videos via YouTube. EpiC will initially be maintained at the Cyberinfrastructure for Network Science Center at IU Bloomington.

A Web portal will allow scientists anywhere in the world not only to upload their epidemiological data for colleagues to see, but also have their numbers "crunched" through models of their choosing. EpiC isn't merely a data repository but will also provide services to researchers who may not have easy access to sophisticated analysis and visualization tools.

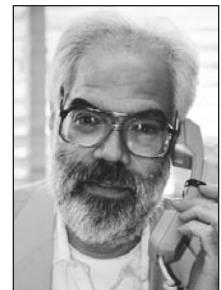
In addition to facilitating research, collaborative projects that use EpiC could help identify epidemiological "hot spots" so that policymakers and public health agencies can act in a timely fashion.

"Once we better understand and predict the spread of these kinds of diseases, the next step is to develop programs and interventions that can lead to desirable health and mental health outcomes," Sherman said. "We believe that our project has important public health implications."

New grant awarded to help deaf children

Professor **David Pisoni** recently received a new grant from the National Institute on Deafness and Other Communication Disorders (NIDCD) for his work in the DeVault Otologic Research Laboratory. Pisoni is a Chancellor's Professor of Psychology and Cognitive Science; adjunct professor of linguistics; and adjunct professor of otolaryngology-head and neck surgery.

The lab is housed in the James Whitcomb Riley Hospital for Children in Indianapolis. The facilities constitute the primary behavioral research venue for the Department of Otolaryngology-Head and Neck Surgery in the IU School of Medicine.



Pisoni

The project, titled "Neurocognitive Processes in Deaf Children with Cochlear Implants," is intended to provide new fundamental knowledge about the sources of variability and underlying neurocognitive factors responsible for individual differences in speech and language outcomes for prelingually deaf children following cochlear implantation. Pisoni hopes the research will affect the diagnoses, treatment, and early identification of deaf children at high risk for poor outcomes.

In addition to the new grant, Pisoni's grant from the NIDCD for multidisciplinary training in speech, hearing and sensory communication at IU recently was approved for its 30th year. This is the longest existing training grant in NIDCD history, according to Pisoni.

The training grant supports six graduate students in Bloomington in psychology, speech and hearing, and linguistics, along with medical students and post-doctoral researchers at the IU School of Medicine in Indianapolis.

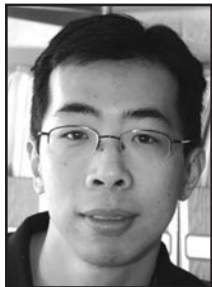
Faculty notes

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Assistant professor earns Distinguished Early Career Contribution Award

Chen Yu, assistant professor in Psychological and Brain Sciences and core faculty member in the Cognitive Science Program, recently received the Distinguished Early Career Contribution Award from the International Society on Infant Studies (ISIS).

The award recognizes ISIS members who received their doctorates between four and seven years ago and who have “established a significant and independent record of publications that have advanced the understanding of human infancy.” Yu received the award March 29 during the ISIS international conference in Vancouver.



Dexter Cormley

Yu

Yu came to IU in 2004 after earning a doctorate in computer science from University of Rochester. He

is currently an adjunct faculty member in computer science. He founded and leads the Computational Cognition and Learning Lab at IU, where researchers investigate human development and learning through both behavioral studies and computational modeling.

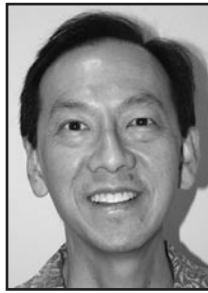
His research focuses on how language is grounded in sensorimotor experience and how language development depends on complex interactions among brain, body, and environment. For more information, visit the Computational Cognition and Learning Lab Web site at www.indiana.edu/~dll.



For more information on Yu’s research, visit the Computational Cognition and Learning Lab Web site.

www.indiana.edu/~dll

Department welcomes new faculty



Jenny Porter

Lai

The Department of Psychological and Brain Sciences welcomed three new faculty members this year.

Cary Lai joins the faculty as a Linda and Jack Gill Chair of Neuroscience and professor of psychology. He formerly was an associate professor of molecular and integrative neurosciences at the Scripps Research Institute.

Lai earned his PhD in 1988 at the University of California. His area of study is molecular neuroscience, with research topics of neuregulin-ErbB signaling in the nervous system and BAC-based transgenic mouse models of neural function.

Aina Puce is the new director of IU’s Imaging Research Facility and Eleanor Cox Riggs Professor of Social Sciences and Ethics. She received a PhD in medicine in 1990 from the University of Melbourne in Australia and formerly worked as a professor in the department of radiology and director of neuroimaging at the Center for Advanced Imaging in the West Virginia University School of Medicine.



Puce

Puce’s research areas include cognitive neurosciences, social cognitions, and neuroimaging. Her research interests include social cognition; non-verbal communication; multisensory processing; functional MRI; electroencephalography (EEG); eye tracking; and transcranial magnetic stimulation.

Robert “B.J.” Rydell, a 2005 PhD graduate of Miami University, joins the faculty as an assistant professor of psychology. His area of study is social psychology, focusing on attitude formation; attitude change; implicit-explicit attitude discrepancies; impression formation; and stereotype threat.



Jenny Porter

Rydell

Award

(continued from page 1)

to Andalucía, Spain, to teach English to primary school children.

“I have always had a huge interest in seeing how the rest of the world lives,” he said.

After all his travels, Olson hopes to return to the United States and work toward an advanced degree in psychology. Studying abroad has helped open Olson’s eyes, and he says his newfound love of travel is a byproduct.

As an Undergraduate Teaching Assistant (UTA), Olson got to see through the eyes of a master teacher. He came to appreciate how it feels to get to know 250 students every semester during the two years he was an assistant for Dr. Summers.

“Dr. Summers showed me that even in a large lecture class, it is possible for every student to get involved and feel like an integral part of the class,” Olson said. “I have had no other teacher that has worked as hard to get everyone interested in psychology and all of IU’s traditions.”

The goals of the Undergraduate Teaching Assistant course are to gain a better understanding of course structures and aims; learn instructional skills; and acquire valuable training for graduate school. The course, advised by **James Craig** and **Irene Vlachos-Weber**, includes a weekly seminar in addition to working with a faculty member teaching an undergraduate course.

The department will continue to award one UTA annually in Weiskopf’s name. The award will be given based on the assistant’s overall contribution to the course and his or her reliability, attitude, and competence.

Neuroscience graduate honored with inaugural fellowship

Byron Gipson, who works in George Rebec's lab in the department, recently was awarded the first annual Adam W. Herbert Graduate Fellowship. Pursuing a doctorate, Gipson will serve his fellowship conducting cutting-edge research into the natural mechanisms underlying relapse to drug-seeking behavior.

Curiosity and an aptitude for science are nothing new for Gipson. He enjoyed participating in science fairs as a young boy, and later conducting research in biochemistry, molecular and marine biology, molecular genetics, and cancer at the universities of Mississippi, Nebraska, and Indiana. He attributes his curiosity to his parents, Henry L. and Edith Gipson. Edith Gipson, a teacher in the West Tallahatchie School District, was an assistant teacher when Byron was young and encouraged his interest in science.

In Rebec's lab, Gipson will use state-of-the-art electrophysiological techniques to monitor cocaine-induced changes in neuronal information processing in forebrain regions believed to mediate motivated behavior. He will assess how cocaine alters the synchronous activity of individual neurons to drive the relapse response.

Gipson received a bachelor's degree in



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biology from Jackson State University in 2007. He participated in summer research programs at University of Nebraska-Lincoln, the University of Nebraska Medical Center in Omaha, and IU, where he participated in the Summer Scholars Institute for Students in Science, Technology, Engineering, and Mathematics.

The Adam W. Herbert Graduate Fellowship was created to support IU students who are graduates of Historically Black

Colleges and Universities. The endowment reflects the commitment of Emeritus President Adam W. Herbert to enhancing opportunities for underrepresented students and increasing diversity among graduate students, especially in the fields of science, technology, and mathematics. The fellowship covers most students' tuition and fees. Doctoral students receive stipend awards of \$25,000 per year for four years.

Incoming students named Wells Scholars

Three incoming freshmen in psychology and neurosciences and one current psychology minor were named 2008 Wells Scholars.

The Wells Scholarship, created in honor of late IU chancellor Herman B. Wells, offers full tuition, course-related fees and a living stipend for four years of undergraduate study to incoming freshmen at the Bloomington campus. Current students named Wells Scholars receive funds for the remainder of their undergraduate years.

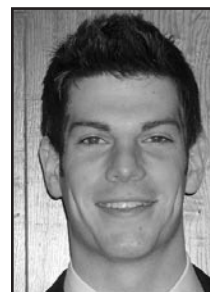
Scholars in psychology and neuroscience are: **Eli Isaacs**, Indianapolis. Isaacs is a senior at IU majoring in economics and political science with a certificate in Liberal Arts Management and a minor in psychology. He graduated from North Central High School in Indianapolis.

Ian Kaelble, Indianapolis. Kaelble was a National Merit Scholar, AP Scholar with

Distinction, and valedictorian at Lawrence Central High School. He plans to major in psychology and neuroscience and participate in the Science, Technology, and Research Scholars mentored research program.

Grant Lin, Indianapolis. Lin was a Presidential Scholar, National Merit Scholar, and National AP Scholar at Lawrence North High School, where he graduated as valedictorian with an International Baccalaureate Diploma. He plans to pursue studies in biochemistry, physics, and neuroscience.

Tarlise Townsend, Bloomington. Townsend was a National Merit Scholar at Edgewood High School in Ellettsville. She plans to major in neuroscience and Germanic studies and will participate in the Science, Technology, and Research Scholars mentored research program.



Isaacs



Kaelble



Lin



Townsend

Courtesy IU Communications

Student researches responses to nonverbal cues

Doctoral student **Coreen Farris** recently was lead author for new research suggesting that college-aged men confuse nonverbal cues with cues for sexual interest because the men have a less discerning eye than women — but their female peers aren't far behind.

The study, which appeared in the April issue of the journal "Psychological Science," involved 280 heterosexual college-aged men and women. Seated in a private computer room, they each categorized 280 full body photo images of fully clothed women into one of four areas: friendly, sexually interested, sad, or rejecting. Images were selected based on an extensive validation process.

Results revealed that men who viewed images of friendly women misidentified 12 percent of the images as sexually interested women. Women mistook 8.7 percent of the friendly images for sexually interested. Both men and women were even more likely to do the opposite. When viewing images of sexually interested women, men mistakenly called 37.8 percent of the images "friendly" and women mistook 31.9 percent. Men and women were equally accurate at correctly identifying the photos indicating sexual interest.

Scientists have long believed that young



IU University Communications

Doctoral student Coreen Farris studied the tendency of young men and women to confuse friendly gestures with sexual interest.

men are more likely than young women to confuse friendly nonverbal cues with cues for sexual interest, but the explanation for the gender difference has been less clear. One theory has attributed this to a tendency by young men to over-sexualize their social environment in the past. A second, and less popular, theory is supported by this study. The theory claims that women have an advantage when it comes to interpreting facial expressions and body language expressing a variety of emotions, thus are more likely to accurately identify

cues for sexual interest.

"Relative to women, men did not over-sexualize the image set in our study," Farris said." Both men and women were reluctant to state that ambiguous cues were "sexual interest." In fact, men and women utilized nearly identical thresholds for the degree of sexual interest that must be perceived before they were willing to go out on a limb and state that the nonverbal cues were sexual in nature."

Farris said that their study found no evidence to support the first theory, and that their results point to a more general explanation for why men in this age group make certain decisions.

"The observed advantage among women in ability to discriminate between friendliness and sexual interest extends to processing of sad and rejecting cues," she said. "This suggests that the increased tendency among young men to incorrectly read sexual interest rather than friendliness may simply be an extension of a general disadvantage in reading nonverbal cues, rather than a process unique to sexual signaling."

Coauthors are Teresa Treat, associate professor in the Yale University Department of Psychology; **Richard Viken**, IU professor; and **Richard McFall**, IU professor emeritus.

Psychology, neuroscience student honored by organization

Jenelle Dorner, a graduate student in both psychological and brain sciences and the IU Program in Neuroscience, recently was honored with the first annual *Pari Prerana* Award from the IU Graduate and Professional Student Organization (GPSO).

The award strives to recognize and honor students who have overcome severe physical, cognitive or other health related challenges and have demonstrated academic excellence. Dorner and other students were honored this spring in a ceremony organized by the University Graduate School.

Despite being wheelchair-bound and suffering various health complications, none of these things have stopped her, according to **George Rebec**, lab director and director of the Program in Neuroscience.

In both psychology and neuroscience, Dorner has exhibited excellence throughout her career. In addition to this award, she also has won the McCormick Science Grant, the Gene Portteus Branigan Fellowship and a College of Arts and Sciences Dissertation



Jenny Porter

*Jenelle Dorner accepts the *Pari Prerana* Award.*

Year Fellowship this year. Last year, she won a pre-doctoral fellowship from the National Institutes of Health.

Undergraduate **Whitney Stewart**, who graduated in May with bachelor's degree in psychology, also was honored at the ceremony. She was recognized for being a McNair Scholar for the class of 2008.

Professor, students honored by APA

Psychology Professor **Bill Timberlake** and two graduate students from his laboratory, **Andrea Gillman** and **Carolina Tamara**, attended the annual American Psychological Association meeting in Boston in August. Timberlake gave his presidential address for Division 6 (Behavioral Neuroscience and Comparative Psychology) titled "Surprise? Food and addictive drugs both entrain circadian anticipatory activity."

Gillman won the top student award in Division 6 for her poster, "Amplitudes of nicotine-evoked activity episodes decline across the day regardless of dosage." Tamara won honorable mention for her poster, "Female rats use both landmark cues and egocentric information to locate an escape platform in a water maze."

Undergraduates recognized at spring banquet

Several undergraduate students were honored at the 2007–08 J.R. Kantor Undergraduate Honors Banquet in April. In addition to departmental awards, students receiving academic honors from the department and new inductees to Psi Chi, the psychology honors society, also were recognized.

The \$1,000 Cheryl Burnham Buhler Award for Outstanding Psychology Students was awarded to **Dean Bowker**. The \$500 J.R. Kantor Prize in Psychology was awarded to **Angie Huh**. **Lacey Perry** received the James Dinsmoor Excellence in Research Award for \$250.

The following six students were presented with \$100 Excellence in Research Awards from the department: **Marla Alexander**, **Althea Bauernschmidt**, **Amanda Hyde**, **Melissa McManus**, **Melissa Troyer** and **Abbey White**.

The new Robert Weiskopf Award for \$500 to recognize excellence in an undergraduate teaching assistant was awarded to **Bryan Olson**, who was a teaching assistant for Professor **Phillip Summers**. The award was created in memory of a faculty member who recently died of cancer.

Seventeen students who will earn departmental honors through the completion of an independent laboratory research project and an honors thesis were recognized: **Marla Alexander**, **Althea Bauernschmidt**, **Dean Bowker**, **Katherine Ely**, **Stacy Einikis**, **Ben Fischer**, **Angie Huh**, **Amanda Hyde**, **Morgan McCormick**, **Melissa McManus**, **Juliette McNamara**, **Adam Steinmetz**, **Charu Subramanian**,



Jenny Porter

Dale Sengelaub, left, congratulates the 2008 departmental honors students. Front: *Angie Huh, Brittany Hess, Melissa McManus, Melissa Troyer, Morgan McCormick, Stacy Einikis, Emma Vaughn, Charu Subramanian, and Adam Steinmetz.* Back: *Juliette McNamara, Katherine Ely, Ben Fischer, Althea Bauernschmidt, Marla Alexander, Amanda Hyde, Abbey White, and Dean Bowker.*

Melissa Troyer, **Emma Vaughn**, and **Abbey White**.

The following undergraduate students were inducted into the Psi Chi Honors Society at the event: **Marissa Artman**, **Natsuki Atagi**, **Alexandra Broustovetskaia**, **Kelsey Buckingham**, **Allison Buchholz**, **Joshua David**, **Patrick Eddy**, **Melissa Elston**, **Zoe Evans**, **Adam Fay**, **Mallory Hobbs**, **Lisa Huang**, **Jessica Jackson**, **Anne Leipzig**, **Amanda Manuel**, **Kyle McLain**, **Charlotte Murphey**, **Sarah Meyers**, **Simone Nathanson**, **Zachary Page**, **Miramony Rayburn**, **Jennifer Rice**, **Gabriela Rodriguez**, **Taylor Rutherford**, **Francie Schrank**, **Ryan Stadnick**, **BreAnn Thornburg**, **David Orenstein**, **Rotten Sagi**, and **Ross Vanderklok**.

The annual J.R. Kantor Undergraduate Honors Banquet was named in honor of Jacob Ryan Kantor, a prominent psychologist who pioneered a naturalistic system in psychology. The J.R. Kantor Memorial Fund helps provide for the recognition of distinguished students in psychological and brain sciences. Awards are funded by donations to the Psychological and Brain Sciences Fund.



Patricia Crouch

Honors recipients presented their research at a poster session in conjunction with the spring banquet.

2007-08 Graduate Award Winners

Irving J. Saltzman Award for Outstanding Graduate Achievement
Paul Kieffaber

J.R. Kantor Award for Outstanding Graduate Research
Jackson Goodnight & Ryan Jessup

Gordon Kato Memorial Summer Fellowship
Elise Percy

Joseph Steinmetz Summer Fellowship
Daniel Yurovsky

Richard McFall Summer Fellowship
Molly Erickson

Kenneth Heller Summer Fellowship
Mervin Matthew

Adam W. Herbert Fellowship
Byron Gipson

Pari Prerana Award
Jenelle Dorner

College of Arts & Sciences Travel Award
Adam Sheya

Stewart and Dagmar K. Riley Fellowship
Christopher Honey

CONGRATULATIONS!

Before 1960

William H. Melching, BA'48, graduated from IU 60 years ago and received his PhD from UCLA in 1953. He writes that while at IU he "had several contacts with Alfred Kinsey and a few with B.F. Skinner. Both were brilliant scientists." Melching has been retired for 24 years and last visited IU in 2001, finding the campus still "beautiful." He lives in El Paso, Texas.

Norma Helmen Conroy, BA'40, was featured in the 2007 edition of *Guide to America's Top Psychiatrists*. Now a forensic psychiatry consultant in Kerrville, Texas, she held a wide array of other psychiatric appointments and positions during her career. Conroy served as a medical director for Kerrville State Hospital, chief of psychiatric services for Rusk State Hospital in Texas, and served a three-year residency in psychiatry at Arkansas State Hospital while also working as an associate professor of psychiatry at the University of Arkansas Medical School. Additionally, she practiced psychiatry in San Antonio for 13 years. Also a pastels artist, as a student at IU Bloomington Conroy was the first person to have a solo exhibit in the university bookstore mezzanine galleries. She lives in Kerrville.

Ronald A. Orszag, BA'59, retired in 1997, having worked as a therapist for 22 years. In 2003 he wrote a monograph on neo-Reichian vegetotherapy. Orszag lives in Los Osos, Calif.

1960s

At the age of 65, **Ann Borger**, BA'63, published her first book — *Sailing into Sunset*, a collection of 24 poems. "I feel that my liberal arts education — 87 hours of electives, as I recall — prepared me for an unimagined computer career and enabled me to cope gracefully with its migration overseas." Borger lives in Allentown, Pa., and can be contacted through her Web site, www.annborger.com.

Edward N. Goodwin, BA'67, retired in July 2000. He worked 25 years at McDermott Inc. as manager of marine and aviation insurance. Goodwin writes that he has owned several sailboats and travels extensively. He recently visited Italy, Alaska, and the Great Lakes region and plans to visit the Panama Canal this spring. A father of two,

Goodwin lives in Mandeville, La., a suburb of New Orleans.

Rita Shapiro Brotherton, BA'69, MS'71, EdS'74, supervises student interns for Chapman University in Orange, Calif. Prior to moving to California, she worked for IUPUI in the graduate department of special education supervising graduate students throughout the state of Indiana. Brotherton lives in Visalia, Calif.

James R. Fisher, BA'69, JD'72, is an attorney for the law firm Miller & Fisher in Indianapolis. In 2007 he published two books — *Personal Injury Law and Practices* and *Big Firm*, a comic parody of large law firms. Fisher lives in Indianapolis.

1970s

Rolf F. Rehe, BA'70, MA'72, is a media consultant for Design Research International in Vienna, Austria. An internationally renowned newspaper designer, he recently received a Lifetime Achievement Award from the Society for News Design. Since the society's founding in 1978, the prize has been awarded to only nine recipients. After earning his master's degree from IU Bloomington, Rehe taught design and typography at IU for more than a decade. Since 1981 he has been internationally active as a newspaper designer, working in 35 countries and redesigning more than 100 newspapers worldwide. In 1974, Rehe directed a redesign of the *Indiana Alumni Magazine*. A founding member of the Society for News Design, he lives in Vienna.

Janice Slaughter Wiggins, BA'71, MS'75, is director of the IU Bloomington Groups Program. She lives in Bloomington with her husband, William, PhD'74, professor emeritus of African-American and African-Diaspora studies and of ethnomusicology and folklore at IUB.

John C. Warter, BA'73, writes, "I am the president of What's New RV, as well as a real estate broker in South Bend, Ind. I have three children, two of which graduated from IU and one who attended Purdue (cough, cough)." He lives in South Bend.

Maria A. Male-Basile, BA'74, works for Inner Peace Bookstore and Wellness Center in Brooksville, Fla. She lives in Spring Hill, Fla.

John A. Teske, BA'74, is a professor of psychology at Eliza-

Alumni spotlight

Working through college

For **Andrea Hussong**, BA'91, participating in activities outside of the classroom was necessary to both put herself through college and be more involved in the school and community.

Hussong had various positions throughout her college career. She ran a before school program for Bloomington schools and worked as a house monitor for BlairHouse, a halfway house for adults with severe mental illnesses. She also volunteered at a rape crisis center and was a co-founding member of the IU branch of the National Organization of Women. In the department, Hussong worked with **Peter Finn's** lab group and spent a summer with **David Pisoni's** group.

"I loved service work, but once I discovered research I was hooked," she said. "I had incredible autonomy and responsibility in many of these positions, and I am grateful beyond measure to those who trusted me to make mistakes and fix them, fueling my love for the work."

Today, Hussong is a professor of psychology at University of North Carolina, Chapel Hill. She has both a master's degree and PhD from Arizona State University. She said she is indebted to both Finn and several graduate students for helping her realize that she wanted to go to graduate school.

"I knew no one who had gone," she said. "This was just new to me and they made it both possible and vivid."

bethtown (Pa.) College. His current scholarly interests are in philosophical psychology, and in the cognitive and neuropsychological requisites of spirituality, the evolution of mind, and the social and historical construction of the human spirit. Teske served as President of the Institute on Religion in an Age of Science from 2002-2008. He lives in Mount Joy, Pa.

Dale S. Duffala, BA'75, MS'78, works for the Bureau Veritas North America in San Diego. He lives in La Jolla, Calif.

Susan Moore Russell, BA'75, BS'79, is an associate professor of nursing at Columbia (Tenn.) State Community College. She received her doctoral degree in education from Tennessee State University on May 3. On weekends, Russell works in the Vanderbilt Medical Center emergency room, where she deals with psychiatric emergencies. The mother of four adult sons, she lives in Columbia.

D.A. Dailey, BA'76, MS'79, is a health-facilities evaluator for the California Department of Public

Health in Pennngrove, Calif. He is also an author, writing in his free time, and recently released the book *Confessions of an Oenophile — An American Family Cookbook* with Outskirts Press. Dailey lives in Woodside, Calif.

In November 2007, **Katherine A. Risacher**, BA'76, MSW'86, became director of the Indianapolis Tennis Center at IUPUI. Previously, she served as interim and assistant director of the center. Risacher is past president of the Central Indiana Tennis Association and is the association's tournament committee chairwoman. She lives in Indianapolis.

Linda S. Jackson, BA'78, is a psychology instructor at South Texas College in McAllen, Texas, and a pre-doctoral intern in clinical psychology at Valley Psychological Services in Edinburg, Texas. She writes, "I've been in deep South Texas for 25 years; my parents are still living in Greenfield, Ind. I miss Indiana, especially Bloomington." Jackson lives in McAllen.

(continued on page 14)

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 Pfizer Foundation
 Northwestern Mutual Foundation
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A remembrance

Conrad G. Mueller, Professor Emeritus, Program in Neuroscience (1920–2007)

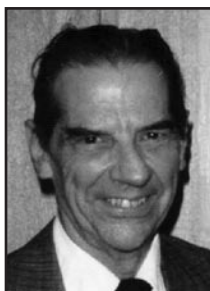
Conrad Mueller died at 87, after a full life-career in psychology, with emphasis on the neuroscience of behavior.

His early interest in psychology was whetted by several professors at Washington University in St. Louis. One taught him to look at every side of a scientific issue and rephrase the question to better understand the question asked. Another suggested he learn all the mathematics, physics, and biology he could, and then consider graduate work in psychology. Both bits of advice bore fruit in the form of Mueller's success in his approach to psychology.

The fledgling "Connie," as we knew him later at Indiana University, managed to obtain a master's degree in 1942 at Washington University, which was soon after the United States entry into World War II. Connie served WWII efforts first with the National Defense Research Committee at Brown University, and, at war's end, in the United States Navy. In 1946, Conrad resumed work at Columbia University, where he completed his dissertation on the individual quantum photon absorptions in the human visual system. He stayed on at Columbia after earning his PhD and eventually became a full professor and chair of the psychology department. In 1965, Mueller joined the IU faculty as professor of neural science and psychology, and he served as chair until 1969.

Mueller worked primarily on problems of the visual system and published extensively in this field. He authored *Light and Vision* and *Sensory Psychology*, textbooks which have been published in five languages. He was also co-author of *Vision and Visual Perception*, and of *Modern Learning Theory*. Mueller's stature increased with time as he became consulting editor for several scientific journals including: *Journal of Comparative and Physiological Psychology*, *Psychological Review*, *Journal of Experimental Psychology*, *Annual Review of Psychology*, and *Perspectives in Biology and Medicine*.

For his professional career, Professor Mueller was involved with numerous scientific societies. A partial listing of his



Mueller

contributions include memberships in: the executive council of the Society of Experimental Psychologists; the advisory panel on psychobiology of the National Science Foundation; and the advisory panel on special facilities and grants, National Science Foundation Biological and Medical Sciences Division. He was chairman of the executive council of the National Research Council Committee on Vision; the executive council of the American Association for the Advancement of Science; the Biological and Medical Sciences Division of The National Sciences Foundation; and several review panels of The National Science Foundation.

At IU, Mueller is remembered for his efforts with the Program in Neuroscience, of which he became chair. As such, he helped to develop the teaching program for graduate students and contributed to more than 60 of their dissertations.

Much of this work was in comparative visual neuroscience and focused on understanding the development of visual systems. It included studies on the infrared and visual organization of a snake's nervous system and how the snake recognizes prey by detecting body heat through its infrared radiation. He extended his early studies on horseshoe crabs to the visual responses of marine mollusks and their escape responses. Mueller and his students contributed to understanding the unique optical systems of insects and how this related to insect behavior, including extensive studies on the praying mantis.

Perhaps most important was the professor's contribution to his students. As a result of work with his early mentors, he was able to pass on knowledge which helped him in his career. His students thus learned alternative ways of looking at scientific problems, which often resulted in a more fruitful examination of the problem being investigated.

Though Mueller officially retired in 1987, he continued contributing to the needs of his profession. To students and faculty, Connie was a "mensch," to be remembered for his encouragement and assistance in the careers of others. He is survived by his wife of many years, Roberta, and sons Richard and Stephen Scott. We, who remember him, are thankful for the time of his presence.

Submitted by: Alfred Strickholm, Professor Emeritus of Neuroscience, Biophysics, and Physiology

Alumni notebook

(continued from page 12)

1980s

William H. Mott Jr., BA'82, is an assistant professor of biology and natural sciences at J. Sargeant Reynolds Community College in Richmond, Va. He lives in Tappahannock, Va.

In May 2008, **Jill Bolte Taylor**, BA'82, of Bloomington, Ind., was selected as one of *Time* magazine's 100 most influential people in the world, appearing in the list's "Sci-

entists & Thinkers" section. While working as a brain scientist at Harvard University, she suffered a stroke in 1996 and later wrote the book *My Stroke of Insight: A Brain Scientist's Personal Journey*, in which she described in lay terms the anatomy relating to strokes and how she spent eight years rebuilding the left side of her brain. Now an adjunct instructor for the IU School of Medicine in Bloomington, Taylor also works for the Harvard Brain Tissue Resource Center as national spokesperson for psychiatric disorders. She travels the country and delivers lectures advocating brain health, brain research,

and post-mortem brain-tissue donation. In May her four-part interview with Oprah Winfrey was aired on Winfrey's *Soul Series* radio show on XM Satellite Radio. Taylor's book, which was originally self-published, was published in May by Viking Penguin Group.

Maria Elena Sampson-McCoy, MA'84, is a student advisor in the counseling department of Lane Community College in Eugene, Ore.

Marikay Bently Vander Ven, BA'88, is a child and family therapist for Tri-County Mental Health Services. Her husband, Thomas, BA'88,

is an associate professor of sociology and criminology at Ohio University. The couple lives and works in Athens, Ohio, and they have two children.

Maj. Jeffrey S. Yarvis, BA'88, is an assistant professor for the Uniformed Services University of the Health Sciences in Bethesda, Md. He has been inducted into Randolph (N.J.) High School's Hall of Fame for his humanitarian assistance in Haiti, Bosnia, and Iraq. Yarvis lives in Fort Belvoir, Va., with his wife, Laura.

(continued on page 15)

Alumni notebook

(continued from page 14)

Michael P. Moody, BA'89, is an assistant professor at the University of Southern California. He and Robert L. Payton, LHD'00, professor emeritus of philanthropic studies at IUPUI, are the authors of *Understanding Philanthropy: Its Meaning and Mission*, a book published in 2008 by Indiana University Press. Moody lives in Santa Monica, Calif.

1990s

Desiree Braden Reynolds, BA'90, BS'91, MS'98, is the owner of Healthy Habits Institute Co., a nutrition and exercise consulting firm in Kokomo, Ind. She is also pursuing a PhD in holistic health nutrition through the Clayton College of Natural Health distant-education program. Reynolds lives in Walton, Ind.

Terence R. Slywka, BA'92, JD'96, MBA'02, was recently named chief of party for the Business Environment Improvement Project in Kazakhstan, the Kyrgyz Republic, and Tajikistan. The four-year project is financed by the U.S. Agency for International Development and implemented by the Pragma Corp. It consists of a team of local and international lawyers and consultants who work with national governments and businesses to reform soviet-era commercial laws and improve regulations, procedures, and practices in regards to businesses and the free market.

Track and field I-Woman **Eboni Kelly Williams**, BA'92, lives in Chicago with her husband, Hardmon, BS'92, vice president and general manager of AT&T Indiana.

Eric D. Larmore, BA'93, MPA'00, is environmental manager for Nucor Steel Tuscaloosa Inc. He lives and works in Tuscaloosa, Ala., and can be contacted at elarmore@nucortusk.com.

Andrew M. Voss, BA'95, has worked for Sun Microsystems for 10 years and now serves as the national account manager for the company's largest distributor of products and services, Avnet Technology Solutions. While attending IU Bloomington, he worked as a bartender at Kilroy's Sports Bar for three years. "I regularly hang out in Denver with six other former Kilroy's Sports Bar co-workers who have all moved out to Colorado over the last 10 years," Voss writes. "We all can still throw a bottle of Miller Lite 25 feet to each other and catch it every time, and we're all gainfully employed profes-

sionals." Voss works in Broomfield, Colo., and lives in Denver with his wife, Lynn.

Thomas E. Grossman III, BA'97, received a juris doctor degree from Valparaiso (Ind.) University School of Law in May 2007 and was admitted as a member of the Indiana State Bar in 2008. His areas of focus include estate planning, taxes, and real estate. In 2000 Grossman received a master's degree in clinical psychology from the University of Indianapolis and worked as a clinician for several years. He also served as the owner and president of Waterstone Mortgage Group in Carmel, Ind., prior to attending law school. A member of the Union Board concert committee while attending IU Bloomington, Grossman lives in Fishers, Ind., and can be contacted at tomeg3@gmail.com.

2000s

Laura Dewitz Davidson, BA'01, is a guidance counselor at Elmwood Middle School in Bloomdale, Ohio. Her daughter, Macy Elizabeth, was born on May 3. An I-Woman in volleyball, Davidson lives in Perrysburg, Ohio.

Scott E. Levy, BA'02, is a dentist who recently joined Leikin and Baylin Dental Care in Catonsville, Md., after completing a one-year residency in general dentistry at New York Methodist Hospital in Brooklyn, N.Y. He received his dental degree from the University of Maryland Dental School and lives in Baltimore.

In 2007, **Jennifer Poe Percy**, BA'02, JD'05, became an associate for the law firm Baker & Daniels in Indianapolis. She works in the firm's banking and commercial finance and bankruptcy and business restructuring practice groups. Previously, Percy practiced two years in banking and finance at the law firm Jones Day in Chicago. While in law school at IU Bloomington, she served as a court-appointed special advocate and guardian *ad litem* for Lucas County in Toledo, Ohio. Percy lives in Indianapolis.

Crystal D. Mahoy, BA'04, completed a master's degree in forensic psychology at the Chicago School of Professional Psychology in June. She began a PhD in clinical psychology at Indiana State University in the fall. She lives in Evansville, Ind.

In July, **Katherine C. Madpak**, BA'04, moved to the Marshall Islands, a Micronesian nation of islands in the middle of the Pacific Ocean, for one year of service as a WorldTeach volunteer. Following one month of training near the

capital city Majuro, she now lives with a Marshallese host family and teaches in local communities.

In February, **Gerald L. Mitchell Jr.**, BS'04, MS'06, received the 2008 City of Bloomington (Ind.) Outstanding Young Black Male Leader of Tomorrow Award during the city's third annual Black History Month Gala. After completing his master's degree at IU, Mitchell took a position as Director of Student Support and Development at Ivy Tech Community College's Bloomington campus. His volunteer activities include positions on the Commission on the Status of Black Males and the Indiana University Men of Color Conference. Mitchell lives in Bloomington.

Ashley K. Randall, BS'04, is a student at North Dakota State University. In 2007 she was awarded a Fulbright U.S. Student Scholarship to study psychology in Switzerland.

Sara E. Peterson, BA'05, MBA'07, is coordinator of development at the IU Bloomington physical plant. She lives in Bloomington.

Christopher T. Ryan, BS'05, is a graduate student at Northwestern University in Evanston, Ill., where he is studying neural engineering through a master's degree program in biomedical engineering. Previously, he worked as a hand-surgery technician for St. Vincent Indianapolis Hospital. Ryan lives in Evanston.

Adam D. Armstrong, Cert/BA'06, is a sales partner for Da-Lite Screen Company Inc. His wife, Ashley (Bell), BA'06, is an associate sterilization scientist for DePuy Orthopaedics Inc. The couple lives

and works in Warsaw, Ind.

In May, **Christopher L. Bottger**, BS'06, received a master's degree in clinical psychology from Eastern Illinois University. He lives in Charleston, Ill.

Allison D. Crandall, Cert/BA/BS'06, is a reproductive biologist at Midwest Fertility Specialists in Carmel, Ind. She lives in Noblesville, Ind.

Stefanie Frommeyer O'Neal, BS/BA'06, is a research assistant for Harlan Bioproducts for Science Inc. in Indianapolis. She hopes to enroll in the biology graduate program at IU Bloomington in fall 2009. In May 2007, Frommeyer married Alec O'Neal. They live in Brazil, Ind.

Mark C. Osborne, BS'06, is a student in the Chicago Medical School at Rosalind Franklin University of Medicine and Science. He plans to graduate in 2011. Osborne, who earned two bachelors of science degrees from IU in 2006, lives in Highland Park, Ill.

Jamie L. Whobrey, BA'06, writes that, "I am currently a flight attendance for United Airlines, traveling the world. I am based in Denver, Colo., and love it here. I plan to go back to school for a master's degree in social work next year, probably through the University of Colorado." She lives in Denver.

Rachel A Becker, BA'07 is a second year master's candidate in psychology at the Catholic University of America in Washington, D.C. She is a summer camp assistant teacher for children with autism and a foster parent for animals. Becker lives in Silver Spring, Md.

Organizations, businesses needed for internship opportunities

We need your help to identify internship possibilities for our undergraduates.

Many of our students would like to explore career opportunities through internships. We are looking for internship opportunities in business, nonprofit organizations, the public sector, and more.

If your organization, or an organization that you are acquainted with, hires summer or academic-year interns, please contact Linda Sinex, to discuss possibilities.

Contact Sinex by email at lsinex@indiana.edu or phone at (812)855-2045. Or write to her at: Department of Psychological and Brain Sciences; 1101 E. Tenth St.; Indiana University; Bloomington, IN 47405. Thank you!



Alumni needed! Mingle with students

Professionals are needed to attend a yearly dinner hosted by the Department of Psychological and Brain Sciences and the Psi Chi Honors Society at IU Bloomington. This networking event helps current undergraduate students meet experienced, successful individuals in careers they intend to pursue. It also can give local businesses a chance to recruit students.

The 2008–09 dinner will take place Wednesday, March 11, 2009. Look for your formal invitation soon. To be added to the guest list, please contact Jenny Porter at porterjl@indiana.edu or (812) 855-8897.

PSYCH ♦ NOTES

This newsletter is published by the Indiana University Alumni Association, in cooperation with the Department of Psychological and Brain Sciences and the College of Arts & Sciences Alumni Association, to encourage alumni interest in and support for Indiana University. For activities and membership information, call (800) 824-3044 or send e-mail to iualumni@indiana.edu.

Department of Psychological & Brain Sciences

Chair.....Linda Smith
Editor/Photographer..... Jenny Porter

College of Arts & Sciences

Dean Bennett I. Bertenthal
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& Alumni Programs..... David Ellies

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Psychology alumni: What's new with you?

The IU Alumni Association is charged with maintaining records for all IU alumni. Please print as much of the following information as you wish. Its purpose, in addition to providing us with your class note, is to keep IU's alumni records accurate and up to date. To verify and update your information online, visit our online alumni directory at www.alumni.indiana.edu/directory.

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Please send me information about IU Alumni Association membership.

IUAA membership supports and includes membership in the College of Arts and Sciences Alumni Association and your local alumni chapter. You may join online at www.alumni.indiana.edu or call (800) 824-3044.

Please mail to the address above, or fax to (812) 855-8266.