

Biology grows: New faculty flourish

Ashley Rider Mattingly

Some of the department's new assistant professors on the steps of Myers Hall are, first row, from left: "Tuli" Mukhopadhyay, Armin Moczek, and Daniel Kearns; middle row: Viola Ellison, Sidney Shaw, and Matthew Hahn; and top row: Laura Hurley, Justen Andrews, and Leonie Moyle.

The Department of Biology welcomed several new faculty members in recent years. **Suchetana "Tuli" Mukhopadhyay**, joined us in 2005 after a postdoctoral fellowship at Purdue University; her work involves the structure and assembly of enveloped, RNA viruses. The husband/wife team of **Leonie Moyle** and **Matt Hahn** joined the department last year after stints at the University of California at Davis. Moyle studies the genetics of speciation and adaptation, comparative genomics, evolutionary ecology, and plant reproduction. Hahn is involved with computational and evolutionary genomics, evolution of transcriptional regulation, and molecular population genetics. Our final 2005 arrival was former Stanford postdoctoral and research fellow **Sidney Shaw**. He researches the microtubule cytoskeleton organization and cellular morphogenesis in *Arabidopsis*, a plant in the mustard family. While not a new arrival, **Laura Hurley** was promoted

to assistant professor last year. Her research focuses on how chemicals known as neuromodulators alter the function of neural circuits that underlie behavior.

Armin Moczek, **Daniel Kearns**, and **Viola Ellison** joined the Department of Biology's faculty in 2004. Moczek was an NIH Postdoctoral Excellence in Research and Teaching Fellow at the University of Arizona. He researches phenotypic and developmental plasticity, studying a horned beetle from the *Onthophagus* genus. Kearns' area of interest is bacterial multicellular behavior, and he joined the department after a postdoctoral fellowship at Harvard. Ellison arrived after an American Cancer Society Postdoctoral Fellowship at Cold Spring Harbor. Her research involves human chromosome duplication and the maintenance of genome integrity. **Justen Andrews** received a promotion to assistant professor that year; he studies gene regulatory networks controlling sex in arthropods.

Strategic plan expands IU's life sciences programs

Exciting changes are under way for IU's life-sciences programs, thanks to a strategic plan developed by three top university administrators. **The Strategic Life Sciences Plan** focuses upon six key areas: analytical chemistry, organic chemistry, cancer biology, the neurosciences, diabetes and metabolic disorders, and model systems in biological research.

The plan builds upon and consolidates existing life-sciences research activities, including:

- **Indiana Genomics Initiative (INGEN)**: A collaborative effort between the IU School of Medicine, research programs in biology and chemistry, and the IU Office of Information Technology, known for its high-performance computing. With funding from the Lilly Endowment, a biomedical enterprise of scientists

(continued on page 7)

Missing from the group shot are **Scott Michaels**, below, **Whitney Schlegel**, and **Malcolm Winkler**. Michaels joined the department in 2003 after a postdoctoral fellowship at the University of Wisconsin-Madison. His research involves the molecular genetics of flowering time regulation in *Arabidopsis*. See page 7 for information on Schlegel and Winkler, as well as a photo.



Gabriel A. Harp

Assistant Professor **Scott Michaels** is one of our new faculty hires.

Guggenheims granted to four biology faculty

BraVo!

Distinguished Professor **Jeffrey Palmer** and Professor **Lynda Delph** earned **Guggenheim Fellowships** last year. They join Professor **Ellen Ketterson** and Distinguished Professor **Loren Rieseberg**, who earned awards in 2004. The awards recognize talented scholars with fellowships designed to give them the financial freedom to develop their work further.

Jeff Palmer, along with **Eric Knox**, director of the IU Herbarium, traveled to New Caledonia to collect and dry hundreds of plant specimens for DNA research. This remote island is a plant scientist's dream location; it ranks third in species diversity, has

some of the oldest flowering plant species in the world, and 80 percent of the plants found there occur nowhere else in the world. New Caledonian plants also freely engage in horizontal gene transfer, a phenomenon where an organism transfers genetic material to another cell that is not its offspring.



Eric Knox



Ashley Rider Mattingly



Ric Cradick/IU Photographic Services

AT FAR LEFT — Jeff Palmer called his New Caledonia trip a success, despite the broken rib he suffered while collecting plant specimens. CENTER — Besides his Guggenheim, Loren Rieseberg also earned a MacArthur Fellowship and was elected to the American Academy of Arts and Sciences. He is the fifth faculty member in IU history to be named a MacArthur Fellow. ABOVE — Professor Lynda Delph and graduate students Ingrid Anderson, left, and Mandy Brothers, right, work in the Jordan Hall greenhouse.



Courtesy of Ellen Ketterson

Ellen Ketterson's (left) Guggenheim is particularly special as her husband and research partner, Val Nolan (second from left), earned one in 1957. They are seated with members of their research team at the Mountain Lake Biological Station in this 2000 photo.

Lynda Delph used her award to further her studies in the merging of evolutionary ecology and molecular genetics. She returned from sabbatical in January to resume her duties as associate chair and director of undergraduate affairs.

Loren Rieseberg spent the 2004–05 academic year in Australia, where he worked on an 11-chapter monograph titled *The Origin and Evolution of Plant Species*. The work is an update of current plant biology texts. Rieseberg, an expert on plant population genetics and evolution, earned numerous awards in recent years, including the prestigious **MacArthur Fellowship**.

Avian biologist **Ellen Ketterson** used her Guggenheim award to see if human sex and gender concepts apply to other animals. She conducted field research in the U.S., Mexico, and Costa Rica to see how geographic differences in songbird behavior and physiology relate to sex and gender. Ketterson is a founding member for the Center for the Integrative Study of Animal Behavior.

Mentoring award honors the memory of Bill Rowland

When Professor **William J. Rowland** died of a massive heart attack in the summer of 2004, he was on the Swedish archipelago island of Askö. An expert on animal behavior and fishes, Rowland was there with a student intern to collect data on wild populations of stickleback fish. He died doing what he loved best.

Before his death, Bill e-mailed a former student about Askö saying, “It is ideal for anyone interested in stickleback. Moreover, the island is idyllic, peaceful, and gorgeous, [with] wildlife everywhere. Our work has gone very well and we have gotten very interesting results.” **Mike Hosking**, PhD’77, the alumnus Bill contacted, said of his mentor, “Bill was an important part of my life. ... What a positive, nurturing influence he was on me, and on all who worked in his lab.”

Bill was a founder of IU’s Center for the Integrative Study of Animal Behavior and served on its advisory board. He also

directed the National Science Foundation-funded Research Experiences for Undergraduates program for minority students interested in animal behavior research. NSF renewed CISAB’s REU program three times thanks to Bill’s efforts, declaring it a model program. Fittingly, Bill was mentoring an REU student researcher on Askö when he died.

Bill’s family honored his passion for teaching and research by creating the William J. Rowland Mentoring Award. The award recognizes talented IU graduate students whose mentoring of undergraduates reflects Bill’s outstanding example.

Teresa Dziejewczynski, PhD’05, with an area certificate in animal behavior, and **Richard M. Granquist** are the first recipients of the Rowland Mentoring Award. While at IU, Dziejewczynski worked in Bill’s lab, was an associate instructor for several classes, and mentored three REU students. She is now an associate profes-



Courtesy of Marijke Rowland

Bill Rowland, 60, loved his family, teaching students the joys of science, his stickleback fish research, and jokes — good or bad.

sor of psychology at the University of New England. Granquist has been an REU facilitator for six years and has mentored three REU students.



Courtesy of Roger Hangarter

Lights, camera, action!

Jordan Hall is still buggy over cicadas



Christopher M. Meyer, IU HomePages

The Brood X cicadas emerged *loudly* in 2004, shed their shells, mated, and died. Their offspring will live underground until 2021, when they will emerge to repeat their parents’ cycle. The drone of the cicadas might be gone, but our excitement over them remains.

Southern Indiana is the epicenter of the 17-year Brood X cicada population, considered one of the largest insect emergences in the world. The cicadas’ arrival offered a unique opportunity to study a major biological disturbance. Professor **Roger Hangarter**, pictured on page 16, and Samuel Orr, BA’04, were recognized in September by the National Science Foundation and *Science* magazine for their six-minute film *Return of the 17-Year Cicadas*. The clip earned first prize in the Science and Engineering Visualization category that challenged scientists to produce works making science visually

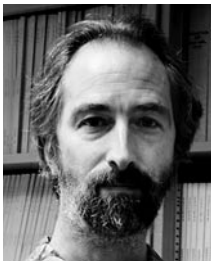
appealing. Judges praised the film’s “visual impact, its novel use of cameras ... and its scientific accuracy,” calling it, “a discrete, elegant package.” Professor **Keith Clay** is also fascinated by the cicadas. He was awarded a National Science Foundation grant to study the ecological impact of cicadas on forests. **Heather Reynolds** (biology), Greg Olyphant (geological sciences), and geographers Emilio Moran and John Odland work with Clay on this project. Besieged by major media agencies, Clay teamed with Samuel Orr to produce a one-hour documentary on the cicadas. Jointly produced by IU’s Research and Teaching Preserve and an Indianapolis PBS station, the film is due out this year.

ABOVE — Metamorphosis. Visit www.indiana.edu/~preserve/research/cicada/index.html. AT LEFT — Professor Keith Clay displays cicadas from his research collection.

Kudos!
Well Done!
BRAVO!

Mike Lynch promoted

Michael Lynch earned the rank of Distinguished Professor last year. The university noted his “pathbreaking model of ‘mutational meltdown,’ which predicts how mutations in small populations drive extinction.”



Michael Lynch

Lynch is a world leader in evolutionary theory and in experimental studies of evolution. His research builds on the work of the late geneticist **Hermann J. Muller**, a member of our faculty who earned the Nobel Prize in 1967 for his discovery that X-ray irradiation could cause mutations.

Courtesy of Indiana University

Strome’s professorship a first in history of department

Professor **Susan Strome** made departmental history as our first woman faculty member honored with a named position. She received the Class of 1970 Chancellor’s Professorship, which is part of a university program that honors faculty with international reputations who excel at both research and teaching.



Susan Strome

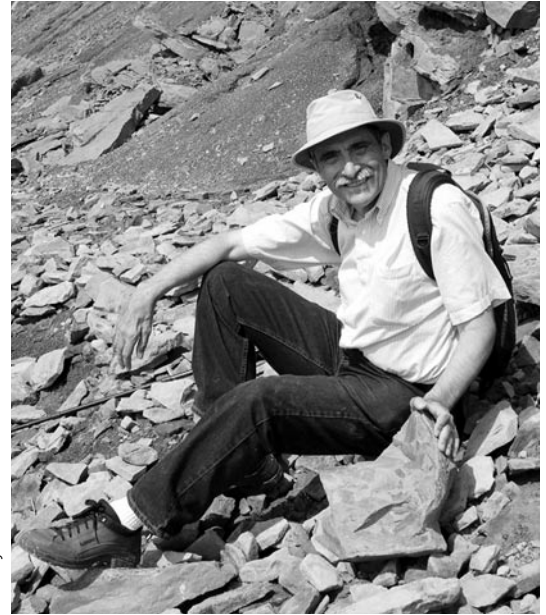
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Strome examines the regulation of germline development in the worm *Caenorhabditis elegans*. She teaches L311 Genetics and incorporates several techniques to help students understand course concepts. Since learning styles vary, Strome uses activities, such as model building, cartoons, skits, and genetic puzzles, to actively engage her students and to help them understand the material for this class.

Raff honored by National Academy of Sciences

The National Academy of Sciences honored Distinguished Professor **Rudolf Raff** with the **Daniel Giraud Elliot Medal**. Raff, along with Professor Thom Kaufman, played a major role in the establishment of the flourishing field of evolutionary developmental biology.

Raff’s work is primarily on living embryos, but he says that some of his efforts “extend to combining fossil data about the earliest animals with evolutionary studies of the development of living forms to try to understand the evolutionary radiation of animals of the ‘Cambrian explosion’ that produced the great diversity of animals we see around us.” These include experiments in collaboration with Elizabeth Raff on how embryos can become fossilized. Their work is reported in the *Proceedings of the National Academy of Sciences* (v. 103, no. 14). Others who contributed to the study include University of Bristol Professor Philip Donoghue, who co-authored the report; **Jeffrey T. Villinski**, PhD’00; and IU research associate **F. Rudolf Turner**.



Courtesy of Elizabeth C. Raff

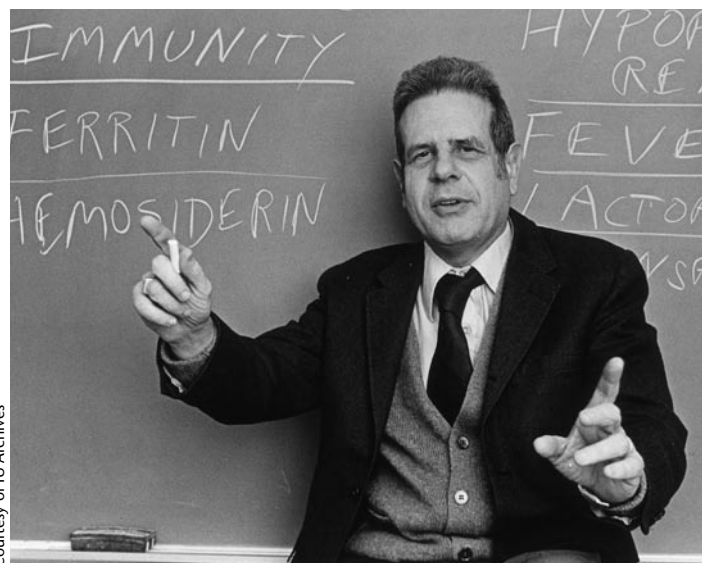
Rudy Raff, seen on vacation at the fossil cliffs of Joggins, is editor in chief of Evolution & Development. The publication serves as a voice for the rapidly growing evo-devo field.

Too much of a good thing

Gene Weinberg warns of the dangers of “iron loading” and its contribution to many chronic diseases in his book *Exposing the Hidden Dangers of Iron: What Every Medical Professional Should Know About the Impact of Iron on the Disease Process*.

Some individuals do have conditions that require iron supplements, but most people receive adequate iron from their diet. Those who take over-the-counter iron supplements needlessly risk developing a host of diseases, because iron secretes so slowly from the system and excess amounts are stored in the body’s organs, eventually reaching overload proportions. Weinberg, a member of

the Scientific Advisory Board for the Iron Disorders Institute, has researched the subject since the 1950s when he discovered that iron supplements taken with tetracycline neutralized the drug’s effectiveness. Pharmacy warning labels about this combination exist thanks to Gene’s efforts.



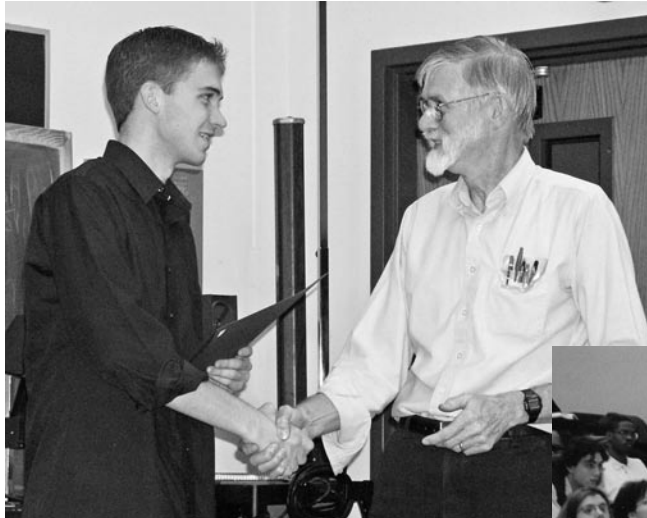
Courtesy of IU Archives

College honors expert teaching with James P. Holland Teaching Award

Professor **Albert Ruesink** received the James Philip Holland Award for Exemplary Teaching and Service to Students last year. The award honors biology's Jim Holland, a highly respected teacher and mentor. College of Arts and Sciences faculty who share Jim's passion for teaching are recognized with this annual award.

Ruesink is a past recipient of the Senior Class Award for Teaching Excellence in Biology and headed biology's curriculum committee for many years. He is a special adviser to the (IU) president for faculty relations and is a member of the Arts and Sciences Policy Committee.

Al joins recent Holland recipient Professor **George Malacinski**, who earned a PhD from us under the guidance of Professor Walt Konetzka, another superb teacher. George's other teaching awards include the



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AT LEFT — It's fitting that Al Ruesink, right, a Holland Teaching Award recipient, recognized Sam Oyer as an Outstanding Undergraduate Teaching Intern last year.

BELOW — George Malacinski earned many teaching awards during his IU career, including the 2004 Holland Teaching Award. He recently retired but continues to teach.

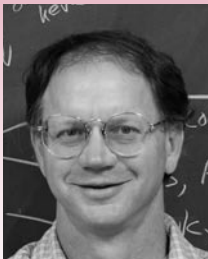


Student Alumni Association's Student Choice Award, the Senior Class Award for Teaching Excellence in Biology and Dedication to Undergraduates, the Alumni Distinguished Teaching Award, and the College of Arts and Sciences Teaching Excellence Recognition Award.

Palmer, Clay join Lively, Estelle, Rieseberg as AAAS fellows

Professors **Jeffrey Palmer** and **Keith Clay** were named Fellows of the American Association for the Advancement of Science. The two were honored at the organization's Feb. 18 meeting. They join AAAS Fellows **Curtis Lively**, honored in February 2005, and **Mark Estelle** and **Loren Rieseberg**, who were recognized in 2004.

Evolutionary biologist Curtis Lively is interested in the role sexual reproduction plays in defending hosts from parasites. He uses a New Zealand freshwater snail as his research model.

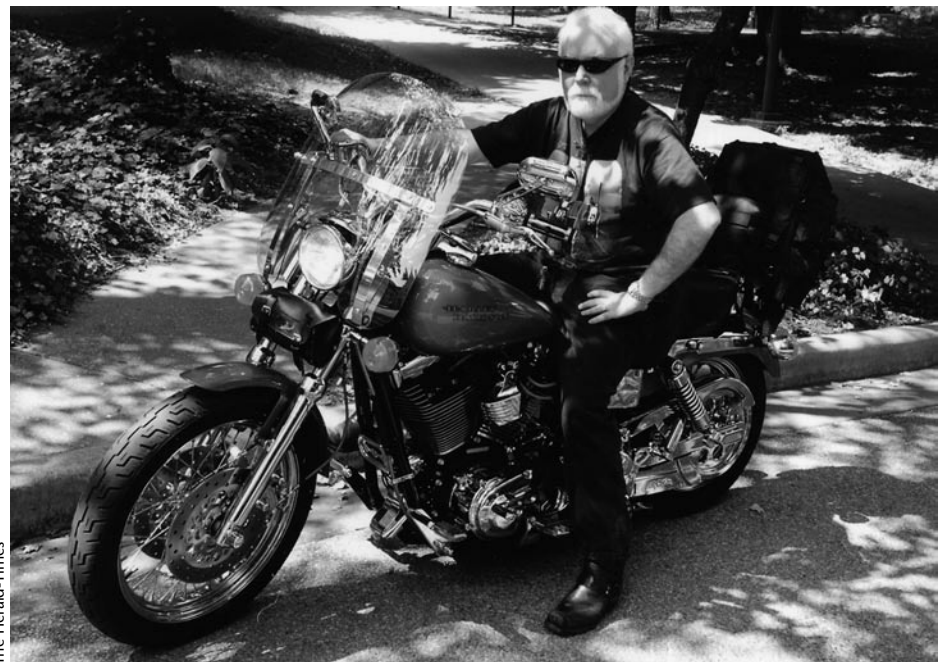


Gabriel Harp

Curtis Lively

Born to be ... Beadle? Thom Kaufman honored

Distinguished Professor Thomas Kaufman was recognized at the Genetics Society of America's 46th annual *Drosophila* Research Conference. He earned the George W. Beadle Award "for outstanding contributions to the community of genetics researchers" and received a medal for the award that bears the name of Nobel Laureate and noted geneticist George Beadle. When Kaufman isn't working in his lab, he explores the area on his Harley.



The Herald-Times



Funds from the 2005 Sears Crowell Scholarship helped pay Samuel Scarpino's three-month trip to France and Portugal, where he conducted fieldwork with Professor Lynda Delph. Their research focuses on sexual and natural selection in the flowering plant *Silene latifolia*. Seen here working in Alençon, France, Scarpino says of the trip, "I learned not only valuable scientific techniques, but about living and interacting with different cultures."

IU biology students named Guidant Scholars

Two IU students earned Guidant Life Sciences Scholarships last year. They are biology major **Daniel Croft** and biology minor **Pamela Sontz**. The scholarships recognize gifted life-sciences students who plan on careers in the health-care industry.

Croft enrolled at a school in Perth, Australia, for the spring 2005 semester. He wrote of his experience, saying, "Due to the diversity at the University of Western Australia, I learned about many other cultures of the world." Croft found the Australian focus on quality of life over material possessions very refreshing. He played cricket and Australian rules football and surfed. Croft also enjoyed "plenty of 'barbies'" in Perth.

Croft's research in Professor Roger Hangarter's plant biology lab will result in an honors thesis. He volunteers with Habitat for Humanity and belongs to the Brazilian Jiu Jitsu Club.

The second Guidant Scholar, biology minor Pamela Sontz, majors in biochemistry. Chemistry Professor Zaleski is her research mentor.



Pamela Sontz

Advisers offer students warm hearts ... and helping hands

This spring, the Indiana University College of Arts and Sciences named academic adviser **Anna Bednarski** their Adviser of the Year. They praised Bednarski for her "grace in dealing with students, commitment to service to her program, and her passionate approach to the overall role as an academic adviser." She has worked here for three years and serves as the scholarship coordinator for our undergraduate awards committee.

Bednarski joins the Department of Biology's **Mary Ann Miller**, who earned the College Adviser of the Year Award in 2004. Miller also received statewide recognition that year from the Indiana Academic Advising Network, which named her their Outstanding Professional Adviser. Biology chair Beth Raff says of Miller, "She has a wonderful way of making students feel supported and encouraged while at the same time gently guiding them to make realistic academic and career goals."

The Department of Biology handles one of the largest groups of undergraduate majors within the College, and Bednarski and Miller handle their responsibilities with true grace and effectiveness. The department is very fortunate to have these two talented individuals on staff, and all of us are grateful for their tireless efforts on behalf of our students.

Biology adviser Anna Bednarski, an IU alumna herself (BSEd'96, JD'03), understands the demands placed on students at a large university. She earned the Arts & Sciences' Adviser of the Year Award in April.



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Manika Bhateja, BS'04, and academic adviser Mary Ann Miller share a hug. Bhateja, who was one of Miller's advisees, earned the Fox Glen Research & Education Award in her senior year. She is now a second-year student at the IU School of Medicine.



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Courtesy of Daniel Croft

Guidant Scholar Daniel Croft at Rottneest Island, near Perth, Australia. His long hair is gone now, donated to Locks of Love, a charity providing wigs to children suffering from long-term medical hair loss.

Fellowship honors graduate student who makes a difference

Congratulations to **Johanna “Hannah” Kolodziejski**, a graduate student in our Ecology, Evolution, and Behavior Program who earned a \$15,000 College of Arts and Sciences Dissertation Year Research Fellowship. The award recognizes academic excellence and a student’s potential for significant research contributions. Kolodziejski also earned the College’s Bernice Eastwood Covalt Memorial Scholarship, awarded to an IUB science student with high academic achievement, and the James H. Coon Sciences Prize. During the 2004–05 academic year, the university named Kolodziejski a Herman B Wells Fellow in recognition of her leadership, outstanding academic abilities, character, generosity, and social consciousness.

She is a member of Assistant Professor **Troy Smith**’s laboratory and studies weakly electric South American knifefish. Kolodziejski has been an associate instructor for five different EEB courses, including invertebrate zoology and biology of birds, has tutored undergraduate science students, and participated in local and international science fairs as a judge.

Kolodziejski is very active in our community. She is a wildlife rehabilitator and works with a local homeless day-shelter.

Kolodziejski completed the Portland marathon in 2003 with Team in Training to raise money for cancer research. She coaches other TNT teams participating in ‘race for the

cure’ events. Before coming to IU, she spent a year completing various service projects with AmeriCorps’ National Civilian Community Corps program. Professor Ellen Ketterson said of Kolodziejski, “She’s an academic’s academic. I’ve never been more certain that a student would succeed and give back [to society].”



Hanna Kolodziejski, a wildlife rehabilitator, tends an orphaned rabbit. A 2004–05 Wells Fellow, she received additional honors this year.

“She’s an academic’s academic. I’ve never been more certain that a student would succeed and give back [to society].”

— Professor Ellen Ketterson

Strategic plan

(continued from page 1)

and physicians exists to study the human genome sequence to determine its function in human health and discover ways to cure diseases. Key biology faculty include **Peter Cherbas**, genetics component, IUB; animal core, IUB; and **Thomas C. Kaufman**, fruit fly genetics research group.

• **Comprehensive Human Biology Program:** Funded through a Bloomington Commitment to Excellence proposal, the

program will hire 21 new faculty members in areas such as biotechnological law, vertebrate system pathogen microbiology, and biochemistry. Through this program, an undergraduate biotechnology degree now exists with master’s and doctoral degrees to follow. Professor **Malcolm Winkler**, who comes from the Lilly Research Laboratory’s Division of Infectious Diseases, directs the Biotechnology Program. Also offered is an interdisciplinary area certificate in human biology that includes courses in biology, anthropology, medical sciences, psychology, and religion. A proposed human biology major awaits approval from campus and state officials. Associate Professor **Whitney Schlegel** directs the human biology program.

• **Indiana Metabolomics and Cytomics Initiative (METACyt):** Focuses on cell metabolism and function. Scientists will work to understand the key functions of diseases, such as cancer, to develop faster diagnosis and more effective treatments. Biology faculty involved with the project include: **Peter Cherbas**, deputy CEO of

METACyt and director, Center for Genomics and Bioinformatics; **Yves Brun**, director, Microbial Systems Node; **Jeff Palmer**, director, Molecular Evolutionary and Developmental Biology Node; and **Susan Strome**, director, Cell Signaling and Differentiation Node. METACyt also is funded by the Lilly Endowment.



Ashley Rider Mattingly

Program directors **Whitney Schlegel** (human biology), left, and **Malcolm Winkler** (biotechnology) visit outside of the new multidisciplinary science building, Simon Hall, scheduled for completion in 2007. Part of the life-sciences plan is to increase research, office, and teaching space for scientists on the Bloomington and Indianapolis campuses.

See more about life sciences at IU

- **Statewide Life Sciences Initiative and Strategic plan:** <http://lifesciences.iu.edu/>
- **INGEN:** www.ingen.iu.edu/
- **Comprehensive Human Biology Program:** www.indiana.edu/~college/dean/HumanBiology.pdf
- **Biotechnology:** www.bio.indiana.edu/undergrad/degrees/biotech_description.html
- **Human biology:** www.indiana.edu/~humbio/
- **METACyt:** <http://metacyt.indiana.edu/>

Alumni Notebook

Before 1960

Vincent G. Canganelli, BA'49, MD'52, writes, "I am proud of the university and its medical school." Canganelli lives in Valparaiso, Ind.

Robert E. "Grandpa Bob" Neukomm, BA'49, is a substitute teacher for Monroe County Community School Corp. A former Marine, he recounts his life stories to his classes, including serving as a medic at the foot of Mount Suribachi on Iwo Jima and meeting Navajo Indian Wind Talkers. Neukomm and his wife, Lyuda, live in Bloomington, Ind.

Roland C. Ahlbrand, BA'52, MD'55, and Marilyn Weber, BS'54, celebrated their 50th wedding anniversary at their home in Bonita Springs, Fla., with their three children, Mark Ahlbrand, BA'77, Linda Keller, BA'79, and Lisa Twadell, BS'82, all graduates of IUB. The couple can be reached at rcahlbrand@aol.com.

William D. Smith, BA'54, retired after 40 years in pharmaceutical sales. He can be reached at wsmith68@columbus.rr.com.

William R. Eberly, MA'55, PhD'58, of North Manchester, Ind., is the author of *The Story of the Natural Sciences at Manchester College*, published in 2005 by Evangel Press.

William H. Fulton, BA'55, MD'58, was recognized by Indianapolis Mayor Bart Peterson for his 40 years of service as a clinical neurologist, as well as his volunteer work for the city of Indianapolis. In his honor, Saturday, March 6, 2004, was declared "Dr. William H. Fulton Day" in Indianapolis. He and his wife, Joan (Emhardt), BA'55, can be reached at whf1934@aol.com.

1960s

Gottfried "Joe" K. Guennel, PhD'60, completed a newly revised second edition to his *Guide to Colorado Wildflowers* set from Westcliffe Publishers. He lives in Littleton, Colo.

John R. Allan, MA'62, writes, "My career was the result of Professor **Carlos Miller's** assistance, and I appreciated the article on him (Biology Alumni Newsletter Spring 2004). He was a great teacher and a wonderful person. Thanks to Dr. Miller, I continued to a PhD degree from the University of Saskatchewan, and then spent thirty years with Agriculture Canada." Allan can be reached at jrallan@telusplanet.net.

In fall 2005, **John E. Hobbie**, PhD'62, a scientist at the Marine Biological Laboratory in Woods Hole, Mass., received the Odum Lifetime Achievement Award from the Estuarine Research Foundation as an outstanding scientist who has a sustained record of important contributions to the understanding of estuaries.

Clay M. Chandler, PhD'65, of Milan, Tenn., is a professor emeritus of biology at Middle Tennessee State University.

Nancy Mollin Michael, MA'65, who worked for two decades as a research scientist in the Department of Molecular Genetics and Cell Biology at the University of Chicago, was honored by the university with a fellowship in her name, to be used to encourage women to pursue careers in science.

Sidney F. Miller, BA'65, MD'68, was appointed Frederick A. White Distinguished Professor of Service at Wright State University in July 2004. He can be reached at miller@wright.edu.

Joseph H. Neihardt, BA'65, reports, "Beverly (Krick), BS'65, and I have recently retired to Clearwater, Fla. A former member of the Singing Hoosiers Alumni Council, I am so proud to have had the Singing Hoosiers perform in Tampa, Fla., in March. We hosted Frederick "Fritz," BME'64, and Sharon (Schlatter) Hepler, BSN'63, this February. Fritz was in the Singing Hoosiers in

Alumnus shares photographs

Charles Wytttenbach, BA'54, MA'56, and his wife, **Ellen Wytttenbach**, PhD'58, travel extensively. Charles brings along two cameras to record their adventures. He sent us some of his vacation photographs. We hope you will enjoy them as much as we did.

The yellow-eyed penguin is found only at New Zealand and its islands. Charles Wytttenbach, BA'54, MA'56, calls his visit there "the trip of a lifetime."



Courtesy of Charles Wytttenbach



Courtesy of Charles Wytttenbach

In Baja, Calif., a Mormon Metalmark butterfly lands on Calliandra californica, also known as the fairy duster.

the late 1950s and was soloist in our wedding in 1964 in Milan, Ind., where we also maintain a home. Bev retired from Flowers Foods as tax administrator at their headquarters in Thomasville, Ga. I am a retired lifetime certified health care executive, having had careers in hospital administration and physical therapy."

Tom H. Sheller, BA'65, is a pharmacy manager at Rite Aid in Willits, Calif. He lives in Ukiah, Calif.

David E. Bartenbach, BA'66, MD'68, teaches introduction to clinical medicine and writes, "It is one of the most rewarding experiences I've had to this day." The Gurnee, Ill., resident can be reached at

bsony@aol.com.

Maryon I. Ripple Tilley, BS'67, MA'68, retired in June 2001 after teaching high school science in Indiana, Kentucky and Illinois for over 33 years. She is still active with environmental preservation causes and enjoys hiking, skiing and traveling. Tilley can be reached at j.tilley@verizon.net.

1970s

Arthur I. Sagalowsky, BA'70, MD'73, is professor of urology at the University of Texas Southwestern Medical Center. He is president-elect of the southern section of the American Urological Association. He and his wife, Hanne (Alback), BA'69,

MA'71, live in Dallas and can be reached at arthur.sagalowsky@utsouthwestern.edu.

Suzanne Karsa Murrmann, BA'71, received Best Conference Paper awards in July 2004 for two papers she co-authored: "Development and Validation of the Hospitality Emotional Labor Scale" and "The Impact of 9/11 Terrorism on New York City's Restaurant Industry." She is the professor of hospitality and tourism management at Virginia Tech's nationally ranked Pamplin College of Business, where she can be reached at smurrm@vt.edu.

James W. Fleck, BA'73, ASN'78, relocated to Scottsdale, Ariz., and joined Scottsdale Anesthesiology Consultants.

Capt. Keven C. Reed, BA'73, OD'77, is transferring from Maryland to Jacksonville, Fla., after completing three years as the Navy's specialty leader for optometry and as the assistant staff director for the clinical division of the Joint Readiness Clinical Advisory Board. Previously, he and his wife, Kiyoko, were stationed at Pearl Harbor, Hawaii. They can be reached at kevenreed@earthlink.net.

Thomas G. Reiter, BA'73, MBA'05, of Novi, Mich., is senior account manager for the automotive and appliance industry unit of ExxonMobil Chemical Co. in Farmington Hills, Mich. He markets polymers to Japanese automobile manufacturers and their suppliers. In August, Reiter earned an MBA through IU's Kelley Direct program. He also has 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 can be reached at tgreiter@iupui.edu.

Douglas E. Black, BA'74, writes, "I have been an executive recruiter for the past 10 years. The real joy in my life is my work as the Bible quiz

coordinator for the Georgia Assemblies of God. I work with teenagers across the state to help them learn and live the Bible." The Cartersville, Ga., resident can be reached at dougbq@bellsouth.net.

Joyce A. Heald, BA'74, MD'78, finished family medical residency in January 2004, and now practices at Bristol Family Practice in Bristol, Ind. She can now be reached at joychea@hotmail.com.

John W. Vandeventer, BA'74, **Kenneth A. Martlage**, BA'70, MS'73, and Beth A. Meloy, MBA'83, have formed CompeteIndiana, a consulting company for Indiana businesses. Vandeventer retired from Eli Lilly and Co. in 2005 and is now president of Kontor International, his first management consulting company. He lives in Zionsville, Ind., and can be reached at jwvandeventer@alumni.indiana.edu. Martlage lives in Indianapolis.

William F. Wade, BA'74, owner and clinician at Territory Veterinary Clinic in Galena, Ill., married Lorie Marie Haskell on November 29, 2003.

Judith A. Dilts, MA'75, PhD'76, retired in August 2004 from William Jewel College, where she was a professor of biology and a Dr. Burnell Landers Chair. Dr. Dilts is currently associate dean of the College of Science and Math at James Madison University in Harrisonburg, Va. She can be reached at diltsja@jmu.edu.

Jeff A. Greenwald, BA'76, received the MAI professional designation from the Appraisal Institute. He is a partner at Limbach & Greenwald, the third-largest real-estate appraisal company in San Diego. He lives in Solana Beach, Calif., and can be reached at jeff@limbachandgreenwald.com.

David J. Palmer, BA'76, of Glencoe, Ill., is an ophthalmologist in Chicago and Des Plaines and a councillor to the Chicago Ophthalmologic Society. In January 2005, he appeared on Chicago's WGN-TV 9 *Noon*

Show and Chicago Access Network TV-21 to discuss glaucoma, EyeCare America, and other topics in association with Glaucoma Awareness Month. He received the Distinguished Service award from EyeCare America (ECA) at the American Academy of Ophthalmology (AAO) annual meeting in New Orleans in November 2004. He serves on the Senior Eye Care Program committee of ECA, creating methods for volunteers nationally to examine the uninsured and underinsured for eye disorders.

Robert M. Pascuzzi, BA'76, MD'79, was named chair of the Indiana University School of Medicine department of neurology. As a professor of neurology, he served as vice chairman of the department for eight years. Pascuzzi can be reached at rpascuzzi@iupui.edu.

Daniel L. Paulin, BA'76, was featured on msnbc.com with his dachshund, Oscar, who regained his ability to walk when scientists at Purdue University treated his spinal paralysis with polyethylene glycol — a chemical cousin of antifreeze. Purdue researchers hope that the same results will occur in people, once the solution has been perfected. Paulin and his wife, Karen G. (Rowe) Paulin, BA'76, can be reached at iulovers@msn.com.

Douglas P. Vine, BA'76, is senior process architect for Baker Hill, which is based in Carmel, Ind. He spent the past two years leading Baker Hill's functional design solutions team in Sydney, Australia, where he worked with Westpac Banking Corporation. This included a 12-month posting to Sydney with his wife, Deborah (Willis), '77, which concluded in June. The Vines live in Carmel and have two children: Brad, a junior at IU, and Landon, a recent graduate of Purdue. An I-Man in track, Doug can be reached at dvine@bakerhill.com.

Richard A. Weddle, BA'76, MD'81, president of Digestive

Diseases Center in Bloomington, published his first book of poetry, *If Dreams Were Thunder* (1stBooks).

Kathy A. Sheehan, BA'77, is a research associate in the Department of Microbiology and the Thermal Biology Institute at Montana State University. She is a co-author of *Seen and Unseen: Discovering the Microbes of Yellowstone* (FalconGuide 2005).

David H. Goldsmith, BA'78, of Traverse City, Mich., is employed by the Michigan Community Blood Program as a mobile registrar since July 2003. He has two boys, Nathan, 17, and Alex, 13.

Gary M. Gaddis, BA'79, PhD'84, MD'86, writes, "I have been serving as the Missouri Endowed Chair for Emergency Medicine since January 1999 at St. Luke's Hospital of Kansas City, one of the hospital's affiliated with the University of Missouri-Kansas City School of Medicine. My wife Monica and I will celebrate our 25th wedding anniversary this May and will send our oldest child to college this fall at the University of Miami." The Sawnee, Kan., resident can be reached at garmond@aol.com.

Elizabeth A. Lottes, BA'79, writes, "Since graduating from IU, I taught high school advanced-placement biology, chemistry and physics for eleven years. I received a master's from Ohio State University in science education in 1988. I then went on to pursue a medical degree, graduating from Ohio University in 1995. I have currently practiced family medicine for six years." Lottes can be reached at llottes@aol.com.

1980s

Robert A. Chapek, BS'81, of Camarillo, Calif., is president of Buena Vista Home Entertainment, a subsidiary of the Walt Disney Company. He is also president of the Digital Entertainment Group, an industry trade association that promotes

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Alumni notebook

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the benefits of DVDs and deals with other emerging digital technologies.

In recognition of his internationally acclaimed research involving microscopic aquatic plants, the Academy of Natural Sciences named **Donald F. Charles**, PhD'82, to the first Ruth Patrick Chair in Environmental Science. He is head of the phycology (the branch of botany that deals with algae) section of the academy's Patrick Center for Environmental Research in Philadelphia. Charles lives in Huntingdon Valley, Pa.

Sheryl M. King, BA'83, MD'91, along with partners Richard K. Malone, MD'85, Scot B. Moore, MD'91, **Heather M. Franklin**, BA'92, MD'96, **James J. Laughlin**, BA'74, MD'77, and **George W. Sorrells**, BA'59, MD'62, received national recognition when their practice, Southern Indiana Pediatrics, was awarded the grand prize for outstanding accomplishments in the field of pediatrics by *Physician Practice—The Business Journal for Physicians*. King can be reached at smk@sipdocs.com.

Lisa A. Patterson, BS'83, MD'87, is trauma director at Baystate Medical Center in Springfield, Mass. Reach her at lisa.patterson@bhs.org.

David J. Seay, BS'83, OD'87, opened a branch of the Dixie Vision Center in Indianapolis in August 2004, headquartered in Louisville, Ky. He can be reached at dseayod@earthlink.net.

Yousef M. Sharaiha, BA'83, was appointed as a consultant oncological surgeon in Amman after 13 years of training in the United Kingdom. He writes, "My interest is in breast disease, its cancer and aesthetics." He can be reached at ysharaiha@khcc.jo.

John J. Cunniff, BS'84, MA'88, joined Hahn Loeser & Parks LLP in Akron, Ohio, as

an associate, and will continue to focus his practice in the Intellectual Property and Patent Law areas.

James E. Holmes, BA'84, MD'88, joined Clarian Health Partners and is practicing emergency medicine at Indiana University Hospital. He and his wife, Marcy (Hubbard), BS'88, live in Bloomington, Ind.

Austin L. Hughes, PhD'84, is a professor of biological sciences and director of the Institute of Biological Research and Technology at the University of South Carolina in Columbia, S.C. He moved to South Carolina in 2000. Hughes was previously an assistant professor and associate professor at Pennsylvania State University for 10 years. His research focuses on the evolution of the vertebrate immune system and immune evasion strategies of pathogens; on gene duplication and genomic evolution; and in the maintenance of nucleotide

sequence polymorphism. He has received numerous grants from the National Institutes of Health, including a Research Career Development Award (1993-98). He is the author of more than 200 scientific articles and two books. In 1980, he married **Mary Ann (Kitzmiller)**, PhD'91, who was his scientific collaborator. They had four children together. Mary Ann Hughes died of breast cancer on Feb. 26, 2005.

William M. Paulson, BA'84, is technical services senior project manager for The Rise Group, a Chicago-based construction consultancy. He and his wife, Julie (Bleck) Paulson, BS'84, live in Clarendon Hills, Ill.

Joseph T. Czaja, BA'85, MD'89, is medical director and chief pathologist at FirstSource Medical Laboratories in Fishers, Ind. The Fortville resident can be reached at czaja@msn.com.

Randolph C. Elble, PhD'85, is an assistant profes-

sor of pharmacology at Southern Illinois University School of Medicine in Springfield. A member of the university's new research team at the Simmons-Cooper Cancer Institute, he is researching a new area of cancer biology, tumor suppression in breast cancer cells.

Tim W. McDaniel, MA/MS'85, is environmental, health, and safety manager for International Truck and Engine Corp. in Springfield, Ohio. The U.S. Environmental Protection Agency awarded him a National Partnership for Environmental Priorities Champion Award for his efforts to promote NPEP. He lives in New Carlisle, Ohio, and can be reached at timcdaniel@nav-international.com.

Tony K. Nasser, BA'86, MD'90, of Carmel, Ind., practices cardiology at the Care Group in Indianapolis.

John C. Fenoglio, BA'87, is serving as the scout executive/CEO of the Anthony Wayne Area Council—Boy Scouts of America in Ft. Wayne, Ind. He and his wife, Stephanie (Brown) Fenoglio, BS'87, have three children: Charlie, 9, Lydia, 5, and Elena, 2. He can be reached at fenoglio@att.net.

Laura Lee Jansen, BS'87, OD'92, and her husband, Jay C. Jansen, BA'88, MD'92, celebrated the birth of their fourth child, Ella Cate. They live in Arden, N.C., and can be reached at jjansen@charter.net.

Alex F. Argotte, BA'88, MD'92, is director of bariatric surgery at Lourdes Hospital in Paducah, Ky., where he lives with his wife, Melissa, and three young children. He can be reached at aargotte@yahoo.com.

Kristine M. Beane, BA'88, writes, "I received my MPH from the University of South Florida in May 2003 and then moved to Connecticut. The weather is quite different from Florida, but similar to my Indiana 'home.'" She lives in Coventry, Conn., with her husband, Willard, and can be reached at beanek@hotmail.com.

Kathleen M. Houff Isaac-

Biology Alumni Newsletter

This newsletter is published by the Indiana University Alumni Association, in cooperation with the Department of Biology and the College of Arts and 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. Visit the Department of Biology's Web site at development.bio.indiana.edu.

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son, BS'88, writes that she left active duty in the summer of 2000 and is currently living in the Washington, D.C. area. Her husband, Christopher, is stationed at the Pentagon. Isaacson is busy raising two daughters, Libby, 3, and Ellen, 9 mo., and working on a PhD in European history. She can be reached at ki6468@american.edu.

Michael A. Kellams, BS'88, has been a private practice anesthesiologist for eight years and is serving a third, two-year term on the Practice Board of Managers. He is also serving on the Indiana Society of Anesthesiologists Board of Directors and is an alternate delegate to the American Society of Anesthesiologists. Now medical director of the Indiana Family Institute's Physician Resource Council, he and his wife, Amy, live in Carmel, Ind., with their three children, and can be reached at makellams@aol.com.

1990s

Amy Rogge Mack, BS'90, MPA'93, MS'93, and her husband, **David L. Mack, MA'93**, had their first child, Duncan James, on March 22, 2005. Amy is chief of staff for the Corporation for National and Community Service, and David is conducting breast cancer research as a postdoctoral fellow at the National Institutes of Health. They live outside Washington, D.C.

Perry W. Younger, BS'90, is assistant professor in the department of ophthalmology at the University of Pittsburgh Medical Center Eye Center and has traveled to New Delhi and Bangalore, India to present new techniques in removing mature cataracts. Also a course director of ophthalmic pathology for ophthalmology residents, the Pittsburgh, Pa., resident can be reached at youngerpw@upmc.edu.

Jim H. Arnold, BS'92, DDS'96, writes, "My wife, Sarah (Fischer) Arnold, BS'92, JD'96, and I have two children and

live in Valparaiso, Ind. She is a 'supermom' and an avid runner. I have a thriving dental practice and teach cosmetic dentistry to dentists all over the country." The couple can be reached at jandsarnold1@comcast.net.

Scott A. Beckman, BS'93, MD'97, successfully completed board certification with the American Board of Obstetrics and Gynecology. The Jasper, Ind., resident can be reached at scottbeckman@hotmail.com.

Greta B. Chen, BS'93, MD'97, writes, "I'm keeping busy in my third year of practicing internal medicine and pediatrics here in the Twin Cities, traveling as much as possible (Thailand, France, Italy, UK, Cuba, China, Ireland). I even got married in Alaska in July 2004!" She can be reached at gretachen@hotmail.com.

Philip A. Downing, BA'93, is the director of analytical services for Bioanalytical Systems Inc. in Evansville, Ind. He and his wife, Joni, have a son, Nolan Robert Downing, born Feb. 15. The family lives in Newburgh, Ind. He can be reached at pdowning@bioanalytical.com.

Holly N. Haskell, BA'93, completed her MSN in 1996 and works as a regional sales manager for the Chronic Infusion Division of Caremark Rx. The St. Louis, Mo., resident can be reached at hhaskell@prodigy.net.

Richard Dietz, BA/BS'94, MS'02, was appointed by Mayor Mark R. Kruzan, BA'82, JD'85, to the cabinet-level post of director of information and technology services (ITS) for the City of Bloomington. Dietz can be reached at rick@oacea.com.

Matt Hardwick, BS'94, is a biology professor at Loyola College of Maryland. His wife, Rachel J. Tumidolsky, BS'94, is general counsel to a health plan. Her address is iufan@starpower.net. They live in Takoma Park, Md., with their two children.

Lisa B. Spevacek Michniak, BS'94, OD'98, of Warrenville, Ill., has a daughter, Grace Ellen

The more things change ...

Field classes then and now



Courtesy of William J. Wayne, MA'50, PhD'52

Students on a 1941 field trip for William Ricker's ornithology class.



Courtesy of Gabriel Harp.

Students review notes during an L465 Advanced Field Biology class, taught in 2003 by Donald Winslow, BA'86, PhD'03, and Gabriel Harp, BA'00, MA'03. Winslow is now the director of conservation biology at St. Gregory's University, and Harp is pursuing an MFA at the University of Michigan.

Michniak, born Jan. 11, 2005. She is an optometrist at Eye Boutique in Naperville, Ill.

In March 2005, **Bradley J. Wadington, BS'94**, moved his podiatry practice, Mountain Podiatry PA, to Henderson, N.C. He lives in Arden, N.C., with his wife, Katie (Lauer), BAJ'95, daughter, Sarah, 6, and son, John, 3. Previously, they lived in Chicago.

Kelly L. Howard, BS'95, of Allentown, Pa., received a master's degree in pastoral counseling from Moravian Theological Seminary in May 2005.

Steven A. Moore, BS'95,

earned a PhD in cell and structural biology at the University of Illinois at Urbana-Champaign in 2003. After a postdoctoral position at Eli Lilly, he went to work for Pierce Biotechnology in Illinois. He and his wife, Ambika, live in Janesville, Wis., and can be reached at samoore0@yahoo.com.

Mitch A. Reid, BA'95, writes, "I am an associate with the law firm Andrews Kurth in Houston." He can be reached at mitchreid@akllp.com.

Todd A. Sidel, BS'95, completed his anesthesia residency

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Alumni notebook

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and relocated to Fort Wayne, Ind., to start a private practice. He is married and has three daughters.

William B. Berndt, BA'96, joined the Chicago litigation firm Schopf & Weiss as an associate in June 2004. He is a member of the Illinois State Bar, and was previously a litigation associate with Mayer, Brown, Rowe & Maw.

Thomas R. Clouse, BS'96, MD'04, is a second-year internal-medicine resident at St. Vincent Indianapolis Hospital. His address is tom_clouse_md@alumni.indiana.edu.

In November 2005, **Melissa A. Busovsky-McNeal**, BS'97, MD'01, a captain in the Army National Guard, wrote that she was taking four months' leave from a pediatric cardiology fellowship at Yale University to deploy to Iraq as a medical officer with the U.S. Army. Her address is drbus2001@sbc-global.net.

Martha E. Kapitz-Growcock, BS'97, received a doctor of medicine degree from the Indiana University School of Medicine in May 2004. She and her husband, Chris Growcock, BS'96, relocated to Florida, where she accepted a residency position with the OB/GYN Department at the University of South Florida/ Tampa General Hospital. Martha can be reached at mkapitz@iupui.edu. Chris accepted a position of market development manager for Hart & Cooley, Inc.

Gregory T. Kitchin, BA'97, is working for Kitchin & Sons Inc., a family business, and

lives with his wife, Stephanie M. (Wright) Kitchin, BS'96, in Richmond, Ind. He can be reached at gtkitchin@aol.com.

John D. McKenna, BS'97, OD'01, recently celebrated his two-year anniversary as an associate optometrist with Lanter Eye Care and Laser Surgery in Carmel, Ind. The Indianapolis resident can be reached at drjohnmckenna@yahoo.com.

Scott C. Pike, BS'97, MD'01, completed his residency last year at the Northeastern Ohio Universities College of Medicine. He joined Urology of Indiana, in Carmel, last summer. His address is scottiepike@yahoo.com.

Monica M. Price, BS'97, OD'02, of Greenfield, Ind., practices optometry in New Castle and serves as vice president of the IU School of Optometry Alumni Board. Her address is iu_idoc@hotmail.com.

Carrie Yeater Smith, BS'97, MIS'99, of Westfield, Ind., is senior programmer analyst for Sallie Mae in Fishers.

Michael F. Carter, BA'99, serves in the Army 3D Special Forces Group in the Airborne division. He can be reached at ltmciu99@yahoo.com.

Jennifer L. Heil, Cert/BS'99, BA'04, is in optometry school at IU.

Chris F. Palazzolo, BS'99, reports that he is "going for the MBA" and lives in Round Lake, Ill. He can be reached at cpalazzo63@hotmail.com.

Read Pukkila-Worley, BS'99, writes, "I am now a resident at Mass General Hospital in Boston, after graduating from medical school at UNC in May 2004." He can be reached at pukkilr@med.unc.edu.

2000s

Terry J. Alexandrou, BA'00, received the Alfred S. Maschke Award at the Case Western Reserve University School of Medicine diploma ceremony in May 2004, where he also received his medical degree. The award recognizes "excel-

lence in the art and practice of medicine."

Sarah C. Bauer, BS'00, and her husband, Christopher D. Kennedy, BS'00, report that they are happily married and living in Chicago.

Elizabeth Christie Fogle, BA'00, works full-time at St. Vincent Physician Network for pediatricians **Peter R. Skafish**, BA'69, MD'73, and **Jim G. Megremis**, MD'91. She lives in Zionsville, Ind., with her husband, **Jared**, BS'00. Her address is efogle1978@hotmail.com.

Jennifer M. Hess, BA'00, JD'03, writes, "I recently joined the Professional Association of Petit Hess Petit and Slack, Attorneys at Law with my father, **John L. Hess**, BA'65, JD'68." The Indianapolis, Ind., resident can be reached at jenhessatty@aol.com.

Suzannah J. Park Sorg, BS'00, MD'04, and **Jason K. Sorg**, MD'04, both graduated from the IU School of Medicine in May 2004 and were married the following week. Included in the wedding party were maid of honor **Angela Barrett**, BS'00, MA'01, **Emily Chui Webber**, BA'00, BS'00, MD'04, **Jeremy Klinkhamer**, BS'96, and **Paul Park**, BS'04. The couple began their residencies in Indianapolis in Aug 2004. Suzannah can be reached at suzannah_sorg@yahoo.com.

Meredith L. Bills, BS'01, is a research technician with Vivolac Cultures Corporation in Indianapolis. In her spare time, she plays tennis, listens to music, and volunteers. She can be reached at Meredith_0729@hotmail.com.

Stephen A. Trager, BS'01, DDS'05, is a dentist at Ellettsville Dental Center Inc. He lives in Greenwood, Ind.

Angela Henderson Webb, BS'01, DPT'05, of Auburn, Ind., is a member of the IUPUI doctor of physical therapy degree program's first graduating class. She is a physical therapist at Physiotherapy Associates in Fort Wayne. Her address is akhender@yahoo.com.

Gregory W. Berman, Cert/BS'02, is the founder of Rock for Riley, which works to bring emotional and financial support to families served by Riley Hospital for Children through benefit concerts. The philanthropic event is organized by IU School of Medicine students and sponsored by the school's Office of Medical Service Learning. In October, Rock for Riley hosted the band Wilco at the Murat Theatre in Indianapolis.

Jeremy M. Brown, BS'02, writes, "I was married to Erin K. Grip, BA'03, in June 2004 in Mobile, Ala. We now reside in Austin, Texas, where I am pursuing a PhD in ecology, evolution and behavior at the University of Texas." He can be reached at gojavy8@aol.com.

Jennifer Burnett, Cert/BA/BS'02, is currently in Ghana, working as a Peace Corps volunteer. She started a Secondary School Science Textbooks project in Ghana and would appreciate any and all contributions through www.peacecorps.gov/contribute. She can be reached at Burnett@alumni.indiana.edu.

Betsy J. Crandall, BS'02, is a student at the Indiana University School of Dentistry in Indianapolis and enjoys golf, travel, and photography. She can be reached at bjcrandall@iupui.edu.

After graduating from IU, **Tim N. Delgado**, BS'02, took two and a half years off to travel and compete as an amateur cyclist. In August 2005, he began studies at the University of Cincinnati College of Medicine. School keeps him busy, but he hopes to compete in his first marathon this year. His address is timndelgado@hotmail.com.

Red A. Derheimer, BS'02, attends school at the University of Michigan in Ann Arbor with his wife, **Tiffany (Weiss)**, BS'03, who is in pharmacy school. He can be reached at fderheim@umich.edu.

Tamara L. Eklof, BS'02, is in graduate school at IUB, pursuing her master's in resource

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management. She enjoys filmmaking and spends time as part of an editing staff for a magazine. She can be reached at tamaraeklof@hotmail.com.

Krista L. Hensinger, BS'02, is a research associate at the University of California, San Diego. She also volunteers at the UCSD Medical Center–Hillcrest. Hensinger can be reached at khensinger@hotmail.com.

Brian C. Howard, BA'02, reports that he is the managing editor for *E: The Environmental Magazine* in Norwalk, Conn., and spends his free time snowboarding, hiking, camping, mountain biking, canoeing and kayaking with the Appalachian Mountain Club and also enjoys movies and computers. He can be reached at socialpyramid@hotmail.com.

Bryn E. Jafri, BS'02, and his wife, Andrea (Michaeloff), BA'00, have a son, Cruz Syed Jafri, born July 28, 2005. Bryn works in personal training part time, while studying for a degree in human nutrition at the University of Bridgeport, Conn. Andrea is a special agent with the Air Force Office of Special Investigations. The family lives in Suffolk, England.

Juan A. Jimenez, BS'02, a medical student at IUPUI in Indianapolis, is a candidate for a PhD in microbiology and immunology and an MD in urology. His research interests include prostate cancer, BPH, and gene therapy. He can be reached at jjimenez@iupui.edu.

Charisse D. Johnson, BS'02, is pursuing her MD at the IU School of Medicine in Indianapolis. She writes that she is active with the New Life Worship Center praise team. She can be reached at cdjohnso@iupui.edu.

Justin H. Layer, BS'02, is a graduate student at Vanderbilt University and enjoys running, bicycling and reading. He writes, "[IU academic adviser] **Mary Ann Miller** is the best. I wouldn't be where I am if it wasn't for her. She deserves a pay raise." Layer can be reached

at Justin.layer@vanderbilt.edu.

Bridget J. Lee, BS'02, worked for the Peace Corps as a researcher and developer for a national park in Madagascar from 2003–04. The Greenwood, Ind., resident writes that she enjoys bicycling and painting and can be reached at bridget@iqwest.net.

Nancy A. Lewis, BS'02, of Chicago, is a marketing assistant for Bowman Barrett & Associates Inc., where she is working on the O'Hare Modernization Program. For the project, she is a support staff member responsible for accounting, permitting, and administration. Lewis is concurrently working on an MBA degree at DePaul University.

Ken A. Miller, BS'02, is a chemist with Sherry Laboratories in Columbus, Ind. He can be reached at kamiller9898@hotmail.com.

Stephanie K. Norris, BS'02, began pharmacy school at the Massachusetts College of Pharmacy and plans to complete her degree in 2007.

Divya N. Rao, BS'02, is pursuing an MS in bioinformatics at IUB. She can be reached at raod@indiana.edu.

Evelyn M. Rexing, BS'02, was a social work assistant and AmeriCorps member with Lutheran Social Services and Queen Louise Family Services in Frederiksted, Virgin Islands, and now attends graduate school for forensic science. She can be reached at erexing@yahoo.com.

Stephanie R. Rexing, BS'02, studies marine biology and works as a marine biology lab technician at the Center for Coastal, Environmental, and Biomolecular Research in Charleston, S.C. Rexing spends a lot of time volunteering for Beach Clean-ups and Habitat for Humanity, and enjoys running and reading. She can be reached at stephanie.rexing@noaa.gov.

Steffanie D. Risinger, BS'02, is a student at the IU—Northwest Medical School,

Tran receives Soros Fellowship

Kathleen Tran, BA/BS'03, earned the 2005 Paul and Daisy Soros Fellowship for New Americans, a two-year fellowship that provides an annual stipend and pays half her tuition at the University of Pennsylvania School of Medicine.

Tran likes Philadelphia, with its access to great Vietnamese food, and enjoys the city's parks and museums. As for her medical school experience, she writes, "It has been very intense — emotionally and intellectually — but it's also much more fun than I'd expected."



Courtesy of Sam N. Tran

Former Rhodes Scholar Kathleen Tran, BA/BS'03, visits Vietnam, the birthplace of her parents, Lahn and Sam, BS'79.

were she can be reached at srasinge@iupui.edu.

Brooke L. Talley, BS'02, is a graduate student at the University of Florida, pursuing an MS. She can be reached at btalley@yahoo.com.

Sara M. Wendelin, BS'02, is a graduate student pursuing a master's in landscape architecture at Ball State University. She can be reached at smwendelin@bsu.edu.

Jennifer A. Wire, Cert/BA'02, is a microbiology analyst for Baxter Pharmaceutical Solutions in Bloomington, Ind.

Sara Diaz, BA'03, is a first-year medical student at Des Moines (Iowa) University, where she is pursuing a degree in osteopathic medicine.

Timothy J. Greives, Cert/BA'03, is a student in the PhD program in evolution, ecology, and behavior at IU Bloomington. His address is tjgreive@indiana.edu.

Christiane A. Hassel, BS'03, is a research associate with the Center for Genomics and Bioinformatics at IUB. She can be reached at chassel@cgb.indiana.edu.

Karen L. Lorenzen, BS'03,

is a quality associate for Baxter Pharmaceutical Solutions in Bloomington, Ind.

Emily M. Vaughan, BS'03, is a doctoral student in the pharmacology department at the University of Wisconsin–Madison.

Eugenia C. Achramowicz, BS'04, of Roanoke, Ind., is pursuing a doctorate in podiatric medicine at the Dr. William M. Scholl College of Podiatric Medicine at Rosalind Franklin University in North Chicago, Ill. She volunteers at homes for underprivileged children and at events, including Chicago marathons. Her address is eugenia.achramowicz@students.rosalindfranklin.edu.

Aaron B. Aders, BS'04, is an administrative manager for Bayou Abatement/Environmental Staffing in Miami Beach, Fla.

Joel J. Baber, BS'04, is a student at Kansas City University of Medicine and Biosciences.

Abigail D. Beach, BS'04, of Chicago, is pursuing a master's degree in nursing at DePaul University. She works as a student nurse. Her address is abeach@students.depaul.edu.

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Alumni notebook

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Christopher P. Beck, BS'04, is a second lieutenant in the U.S. Army Chemical Corps.

Manika Bhateja, BS'04, is a student at the IU School of Medicine.

Jeanne E. Borrill-Vrabel, BA'04, married David G. Vrabel, BA'00, on June 4, 2005. Jeanne is pursuing a master's degree in physician assistant studies at the University of St. Francis in Fort Wayne, Ind. She plans to graduate in August 2006. Her address is jeanneborrill@yahoo.com. David is a graphic designer for the Fort Wayne *Journal Gazette*.

Megan M. Boswell, BA'04, is an analytical chemist for Semafore Pharmaceuticals in Indianapolis.

Jeffrey E. Brichta, BA'04, is pursuing a doctor of osteopathic medicine degree at Kirksville (Mo.) College of Osteopathic Medicine. Brichta can be reached at jbrichta@atsu.edu.

Jeffrey S. Browne, BS'04, is a medical student at IU.

Thomas D. Browning, BA'04, is a science teacher in Brownburg, Ind.

Jade Buchanan-Carter, BS'04, is a student at IU.

Sara J. Campbell, BS'04, is a predoctoral fellow at the Medical University of Ohio in Toledo.

David M. Dickerson, BS'04, is a medical student at the University of Chicago. He volunteers with Washington Park Clinic and the Ronald McDonald House in Hyde Park, and he writes that he has been studying traditional Indian medicine and yoga at several clinics and universities in India. He also runs a recording studio in Chicago.

Christopher M. DiPiro, BS'04, of Fort Wayne, Ind., is attending medical school at IPFW. His address is dipiro@alumni.indiana.edu.

Shana E. Duguay, BS'04, has been working with Co-

lumbus Regional Hospital in Columbus, Ind., to raise community awareness of strokes.

Jason R. Fox, BS'04, is a pharmacy intern at Lake Erie College of Osteopathic Medicine in Erie, Pa., where he is pursuing a doctorate in pharmacy. His address is jfox@lecom.edu.

Audrey A. Giesler, BS'04, is a seventh-grade teacher for Teach For America in Chicago, and she is working on a master's degree in teaching at Dominican University.

Jacqueline Giliberti, BS'04, is in the microbiology graduate program at Miami University in Ohio. Her address is jgiliberti@woh.rr.com.

Christina L. Govert, BA'04, is a high school biology teacher in Highland, Ind.

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Life is not a *sLowlife* for Roger Hangarter

Professor **Roger Hangarter** collaborated with artist Dennis DeHart and IU Music School composer John Gibson to create a multimedia exhibit celebrating plants with time-lapse movies, photographic prints, and live botanical specimens. Called *sLowlife*, the installation gives one an appreciation for the role of plants in the environment. The exhibit was at the U.S. Botanic Garden through March 26. *sLowlife* is scheduled to appear at the Chicago Botanic



The Herald-Times

ABOVE — *The invitation for the opening reception of sLowlife and a section of the exhibit's companion guide. Individual images courtesy of Roger Hangarter. Blended image designed by Ashley Rider Mattingly. AT LEFT — Roger Hangarter.*

Garden in 2007 and will travel nationally for the next seven years. Indiana University, the National Science Foundation, the U.S. Botanic Garden, and the American Society of Plant Biologists provided support for the exhibit. Visit www.slowlife-exhibit.org for information on the exhibit and for links to DeHart's art and Gibson's music.

In October, **Hangarter** ended a term as president of the largest professional plant biology organization, the American Society of Plant Biologists. Besides overseeing society business, Hangarter worked to educate Congress about the national need to support basic research in plant biology by visiting congressional offices, writing numerous letters, and submitting written testimony to Congress. He participated in various activities to educate the public about the science of plant biotechnology so individuals will be able to make informed decisions about genetically modified crops. Hangarter also presided over the society's annual meeting in Seattle last summer.