

Indiana University BIOLOGY

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Alumni Newsletter

Fall 1987

College of Arts & Sciences—Graduate School Alumni Association

Message from the chair

Since the last newsletter several important changes have occurred in the Department of Biology. In December 1986 Professor Rollin Richmond's five-year term as chair came to an end. This July we celebrated our 10th year as the Department of Biology, and in September, Professor Walter Konetzka's five-year term as associate chair came to an end. In this letter, I want to enumerate some of the impressive accomplishments of the previous administration, briefly summarize this year's faculty awards, and finally, introduce our new administration.

First, I must begin by saying there have been many improvements to the department during the years of the Richmond/Konetzka leadership. I don't have room to describe them all, so I shall restrict myself to the more important. Both undergraduate and graduate education have been changed in major ways. The undergraduate curriculum has been completely redesigned and modernized, including the introduction of a new freshman course, Diversity and Function, as well as a new sophomore course, Molecular Biology, and a single course combining genetics and developmental biology. The new curriculum could set a precedent for this sort of change nationwide.

In order to improve the quality of teaching in the department, a new rewards system has been instituted. Each year the five top instructors receive a salary bonus beyond their merit increases. These awards are based largely on student evaluations of faculty. This system provides an excellent incentive for the faculty to improve their teaching effectiveness, and it has received wide acclaim throughout the administration of the University.

Professor Richmond also reorganized the structure of the graduate programs. A committee of the directors of the PhD-granting programs is responsible for coordination of student recruitment, distribution of available funds, and improvement of program quality. This is an enormously successful structure and has resulted in a multitude of graduate program innova-



Tom Blumenthal, chair

tions. One of these is an annual two-day retreat at which faculty, postdocs, and graduate students report to the whole department on their latest research findings.

The Richmond years were ones in which the national and international reputation of our department increased dramatically. This is illustrated by the greatly increased level of federal dollars flowing into the department to support research (largely biomedical), by the prestigious awards received by several faculty, and by the ever-increasing number of postdoctoral fellows attracted here.

Of course, one of the major reasons why the department has thrived is that the past five years have been such successful ones in terms of faculty improvement. During Professor Richmond's tenure as chair, 14 new faculty members were hired. They ranged from ecologists studying relationships between organisms and their environment to molecular biologists studying mechanisms of gene action. In the past year, four new faculty members were hired: Carl Bauer, a molecular biologist

who studies genes of photosynthetic bacteria coding for the photosynthetic enzymes; Keith Clay, an evolutionary biologist who studies symbiotic relationships of fungi and grasses; Mark Estelle, a plant geneticist who investigates the mechanism of action of the plant hormone auxin; and John Phillips, a behavioral neurobiologist who studies organisms that sense magnetic fields. Quite a diverse and talented group!

Our current faculty has also experienced one of its best years ever. Two professors, David Dilcher and Rudolf Raff, received prestigious Guggenheim Fellowships. Two others, Marc Muskavitch and Walter Ream, received Research Career Development Awards from the American Cancer Society, and Distinguished Professor Charles Heiser was elected to membership in the National Academy of Sciences, bringing our departmental total to five academy members. Two other distinguished professors, John Preer and Howard Gest, were chosen to deliver this year's Research and Graduate Development Distinguished Faculty Lectures, and Professor Craig Nelson received the Outstanding Faculty Award from the IU Student Alumni Council. This makes 21 University-wide teaching awards won by current biology faculty members, a record of which we are justly proud. Finally, Professor David Dilcher was selected to participate in the Visiting Scholar Exchange Program to the People's Republic of China. We don't want to brag, but we do want to let you know that your alma mater is thriving and that your continuing support of biology's programs plays a significant part in this success by allowing us to support a variety of departmental needs that the University is unable to fund.

To close, I want to say a few words about the new biology administration. I was named chair in January. After receiving a PhD in genetics (Johns Hopkins University, 1970), I spent three years in molecular biology at Harvard University in the laboratory of IU alumnus J. D. Watson (PhD '50

(continued on page 2)

Susan Green accepts A&S development position

For a year now, a familiar face has been absent from the biology undergraduate advising office. Last September, Susan Green accepted a position as director of development with the College of Arts and Sciences. Since she joined the department in 1969 as an academic adviser, Susan counseled literally thousands of students. Her dedication and concern for the department's majors were truly remarkable. Students enthusiastically responded to her warmth and good humor. Many were convinced they would not have made it through the program without her guidance, and hundreds of letters from grateful parents and former students attest to her skills.

It was not uncommon for a student to find Susan heading out the door at noon for the two-block walk home. Inevitably the student would walk with Susan to "ask one or two quick questions" and end up invited home with her for lunch. Of course, Susan's reputation extended beyond departmental majors. She often met with preprofessional students from other departments who valued her knowledge of the intricacies involved in the professional-school application process. Her skill and compassion earned her the IU Senior Class Council Award for Excellence in Teaching in 1973 and the Biology Senior Class Award for Excellence in Teaching and Dedication to Undergraduates in 1984—the only times these awards were given to someone not a member of the faculty.

Her beloved Gilly followed her everywhere, and for years the huge dog would stop by Jordan Hall to visit. Students became quite fond of her. Susan tells of the time Dean Fraser found the dog perched on the steps of Jordan Hall. Knowing Susan had left for the day, Fraser dragged the reluctant animal into his truck and headed for Susan's place—only to discover the real Gilly happily playing in the yard. Needless to say, he made a beeline back to Jordan Hall to return the "imposter" he had mistakenly purloined.

Susan's activities were not limited to counseling. She did freelance radio and television work. In 1978, she was the local on-camera host of the year-long PBS series, "Footsteps, A Local Perspective," and is a regular on-camera solicitor for Bloomington's PBS station during its annual fund-raising drive. Susan directed and appeared in a "Clues" videotape series that discussed career opportunities for liberal arts majors. The project, designed and implemented with three other academic advisers, consisted of 15 tapes of interviews with industry recruiters. The series was so successful that the audio-visual depart-

ment marketed the tapes commercially, selling them to places such as the New York Public Library. Susan even team-taught a professional writing skills course for IU's Department of English.

Susan also takes advantage of the School of Music's offerings and enrolls in weekly cello lessons each semester. No matter what the weather, she can be seen lugging the monstrosity to campus for her lessons. It was not unusual to hear her practicing in the advising office over the lunch hour, and she fantasizes about performing one day in the Jordan Hall atrium.

In 1982 Susan was made director of stu-

dent and alumni development for the Department of Biology and added fund-raising duties to her many responsibilities. Her skills so impressed the University that she was made director of development for IU's College of Arts and Sciences. She plans the fund-raising strategies for approximately 65 departments and programs. Our students still make trips to the college just to say hello to her. Susan's wit and charm will be warmly remembered by all of us in the department, and there is no doubt these traits will serve her well in her new position.



Arts and Sciences Director of Development Susan Green

Message from the chair

(continued from page 1)

Zoology). I joined Indiana's microbiology department in 1973 and have been here ever since, except for a one-year sabbatical in Cambridge, England. My research is in the mechanisms of gene regulation in the small nematode worm, *C. elegans*. For the last five years I was director of graduate studies in biology. This position is now occupied by Professor Maxine Watson (who is also the associate chair). Professor Watson was the head of the Ecology, Evolutionary and Organismal Biology Program. Her specialty is plant ecology. Professor Jose Bonner has assumed Professor Konetzka's duties as associate chair for undergraduate affairs. A member of the Genetics and Molecular Biology groups, he

specializes in *Drosophila* development. We hope to build on the tradition of excellence established during the first 10 years of the Department of Biology.

Although it is gratifying to relate current developments in your department, this newsletter is also a mechanism of informing your fellow alumni of *your* successes. The reputation of the Department of Biology depends not only on what we accomplish here, but also on the accomplishments of our graduates. We are interested in what happens to you and we urge you to write to us. Thank you for your continued interest.

Tom Blumenthal

Alumni Collection update

In the last issue of the newsletter, we proposed collecting alumni publications in a special section of the biology library's reading room. Since then we have received three additional volumes:

Ahlgren, Isabel and Clifford, *Lob Trees in the Wilderness*, Minneapolis: University of Minnesota Press, 1984.

Isabel (PhD'50 Botany) submitted this book (co-authored with her husband) in the hope that someone "lonely for the northwoods" would enjoy it.

Dowty, Karen Jones, *The California Channel Islands*, Ventura: Seaquit, 1984.

Karen's book grew out of her love for the Channel Islands. She attempted to read as much as she could about them. Karen (BA'70 Zoology) found there was a wealth of information on the islands, but little of it was easily accessible. Her book remedies the problem.

Herness, Christine W. and Cliff, *To the Soviet Union in 1937 and Now*, Moscow: Novosti Press Agency, 1981.

Christine Wright Herness (MA'33 Zoology) and her husband, Cliff, have traveled throughout Europe and the Soviet Union many times during the past 40 years. In this volume, they share their observations and impressions on the changes that have occurred within the Soviet Union.

If you would like to add to our collection, please send us a bound copy of your work. Textbooks, manuals, even novels, are most welcome. Your gift will show students what our alumni have accomplished and what opportunities await them upon graduation.

An alumnus reminisces

Having read about the Alumni Collection, alumnus Don C. Warren wrote detailing his educational experiences:

"In a recent issue of the biology newsletter you mentioned the desire to record the early history of the department.

"I received an AB degree in zoology in 1914 and an AM degree in 1917. Since few remain who lived in that period, I may have observations of interest. I am now 96 years old.

"I entered Indiana University in 1911, and having little science in the Saratoga, Indiana, village high school, and after having taught county school two years, I decided to major in history. I soon found zoology a much more interesting subject. I was the first person from the community of Saratoga to attend Indiana University.

"Dr. Carl Eigenmann was the zoology department head. He gave all the lectures



Don C. Warren (from the 1914 Arbutus)

on elementary zoology, and he was a popular professor. Each year he had all of his students in his home for an evening. His all-absorbing interest was South American fish. He lectured widely in the state and thereby got Indiana businessmen to finance his annual collecting trips to South America.

"Early on I was given a job as departmental flunky at \$.25 per hour. My duties were to prepare materials for lectures and laboratories and return them to the museum. I sometimes was called in for chores in Dr. Eigenmann's office and was much afraid of not being able to please him. I was once asked to bring him a four-gallon glass jar of alcohol (preservative for his fish specimens). I set the jar down too hard and spilled the contents all over his feet. His only comment was 'Vell,' in his usual German accent. I beat a hasty retreat to get a mop to clean it up.

"One of my duties was to embalm the med students' cats used in comparative anatomy. They had to provide their own cats, and it was never asked where they got them. The embalmed cats were taken from the basement to the classroom on the elevator. Faculty of other departments did not particularly enjoy sharing the elevator with the carcasses.

"The cats brought in by the students were kept in the attic, awaiting embalming on weekends. One winter night the fighting cats managed to break the attic window and fall on the botany greenhouse below. They also broke the greenhouse glass and caused the plants to freeze. This did not enhance my popularity with the botany department.

"Drs. Carl Eigenmann, Fernandus Payne, and Will Scott constituted the department in my undergraduate days. I was an ardent collector of amphibians and reptiles and shared many weekend field trips with Payne and Scott. Early I had the ambition

of publishing a listing of the amphibia and reptilia of Indiana (never realized). My flunkyship took me to the Winona Lake Biological Station during summers. Drs. Eigenmann and Scott had summer homes there.

"During my student days the zoology department sponsored a year-round student fellowship to study the blind fish in Mitchell Cave. The students chosen spent full time on their studies. I once had been looking forward to receiving this appointment but the fellowship was discontinued the year I graduated.

"It became a tradition for some zoology graduate wanting to continue in that field to take a temporary position as an assistant to Dr. A. M. Banta (a former Indiana University zoology student) at the Carnegie Station for Experimental Evolution at Cold Spring Harbor, Long Island. I held this position for 18 months. It was one of the most fruitful experiences in my life of intimate association with some of the most famous biologists in the world. It instilled in me the desire to continue a career in biological research. The leading researchers at the Carnegie Institution on Long Island were A. M. Banta, C. B. Davenport, J. L. Harris, E. C. McDowell, Oscar Riddle, and G. H. Shull.

"In 1915 I returned to Indiana University for graduate studies. It was just at the time at which Dr. Fernandus Payne was switching from his interest in cytology to the new science of genetics. I decided to do my graduate genetic research on the fruit fly, *Drosophila*, under Dr. Payne's direction. I was unique among the graduate students in that I had as my laboratory assistant my wife, Mira. This was most helpful in that I was able to publish three scientific papers during my two years of graduate studies for an AM degree. When Dr. Payne informed me of my nomination for an honorary degree, he wrote that he wished there was some way to recognize Mrs. Warren for her contribution to biological research.

"My farmer father had the practice of giving to each child as a wedding gift \$500 and a cow, expecting them to carry on the family tradition of farming. I instead sold the cow back to my father for \$50 and used the \$500 to enter Indiana University. When I returned to Indiana University in 1972 to receive the honorary doctorate in science, the Indiana newspapers played up the cow's contribution to my education to where she got more publicity than I.

"One of my greatest satisfactions in life was to receive this honor from my Alma Mater. I am now living in Fremont, California, spending my remaining time gardening, fishing, and playing bridge."

In memoriam

Dean Fraser 1916–1987



(courtesy of the Fraser Family)

Dean Fraser came to Bloomington in August 1955 to begin his career in what was then the Department of Bacteriology. His arrival was flamboyant, to say the least. He drove up in a dilapidated truck loaded with his two sons, John and his brother John; furniture; a pair of king snakes; three hamsters; three cats; and a dog named "Sincerity." This motorized Noah spelled big changes for the department.

A complex personality, he was outgoing, incredibly imaginative and perceptive, told wonderful jokes, was outrageous at times, and certainly unpredictable. Who else but Dean would submit the following paragraph in a faculty annual report? "Fraser also questions whether anyone reads these reports, on which he spends a certain amount of time and considerable thought. If, for instance, the first person to read this calls Fraser, he will secure thereby an invitation to dinner. Fraser's wife is one of the best cooks in Bloomington." He incorporated that paragraph year after year with no takers!

Thirty years ago Dean was one of a new breed of biologists—a molecular biologist. Although educated as a chemist, he recognized the extraordinary potential of molecular biology during his association with the leaders of that emerging disci-

pline at Cal Tech and Berkeley. From the first, his considerable energies were devoted to bringing molecular biology to this campus. His research on bacterial viruses and the work he did in collaboration with Henry Mahler contributed significantly to molecular biology. It was Dean Fraser, chemist turned bacteriologist, who introduced to this center of genetic research the first course in bacterial and viral genetics. He didn't stop there. He recognized that research in molecular biology would require service facilities that were unheard-of at the time. What we now take for granted, he fought hard to institute.

While chair of the Department of Microbiology, he formed alliances with other chairs—Bob Briggs in particular—that resulted in a number of crucial faculty appointments. Our reputation today is in large part due to that collaboration. His foresight was also evident in many of his other interests, including the population problem and computers. Dean was one of the first, if not *the* first, in the department to recognize the impact that computers would have on research and teaching.

Dean had an extraordinary ability to slash through the irrelevancies of any discussion and get to the critical point. Whether it was a committee meeting, scientific talk, seminar, or his radio and television shows, it was Dean who, after a complicated or obtuse presentation, could make everything beautifully clear in a few words. Often he didn't wait until the end—needless to say, this talent did not ingratiate him to his more verbose colleagues. For years graduate students in the Friday Bacteriology Seminar series had a pool in which the winner correctly predicted how many words the speaker could get out before Dean would interrupt.

The implied threat of Dean's presence kept students and faculty on their toes. We tried to emulate him, or at least to please him. It was this characteristic that made him a particularly effective teacher. Dean could identify and nurture talent. Whether it was a young high school student, a graduate student, or a faculty or staff member, he was unstinting and unselfish in his support and assistance, sometimes at considerable expense to himself. On the other hand, he was absolutely intolerant of mediocrity and fought it without mercy wherever it resided—be it in the department or at the highest levels in the University.

We in Jordan Hall will miss him, for he gave us direction, high standards for which to strive, and many opportunities to laugh along the way. Jordan Hall will always be a better place for his having been here.

Theodore Torrey 1907–1986



IU News Bureau

Theodore Torrey maintained an active teaching, research, and administrative career until his retirement in 1972 when he walked out the door and away from the practice of science forever. He and his wife, Marcella, stayed in Bloomington. We would see them from time to time at a cultural event on campus or in the grocery. When the new wing of Jordan Hall opened, Dr. Torrey came to see the changes. His sharp eyes and active mind took it all in and reminded us of his behavior on countless committees. He didn't say much then or after retirement, but what he did say was worth hearing. He died August 31, 1986, after a long illness.

Undergraduates knew him as "Terrible Ted." His contributions to the education of several generations of premedical students are legendary. He was the first to combine embryology and comparative anatomy into a single course—the scourge of many students. He insisted on a high-quality performance and remained impassive in the face of hysterics or threats.

Perhaps his 18 years as chair of the Department of Zoology were good training, for he spent much of his time keeping the peace. The department contained many prominent experimental zoologists, among them Kinsey, Muller, and Sonneborn, and active families aren't always quiet.

During this period Dr. Torrey also was chair of the influential University Committee on Curricular Policies and Educational Programs. This committee implemented the basic curriculum accepted by all divisions of the University. The policies they established provided the foundation for the requirements in existence today.

Dr. Torrey's picture hangs in Jordan Hall to remind those of us who knew him of his leadership, scientific accomplishments, and quiet wit. His legacy will live long in the University and the country.

Alumni news

If you would like news of yourself published in this section, please send us such details as position title, names of spouse and children, pets, hobbies, interests, and community activities.

Look for your friends or yourself under the year of the most recent IU departmental degree. We do not indicate whether undergraduate degrees are BA or BS. Advanced degrees awarded by IU are indicated in parentheses.

1937

William W. Estabrook, Jr. (Zoology). Retired from a career in business administration. Currently resides in Worcester, MA with his wife, Helen. Has three children and 12 grandchildren. Active in his church and various public and political organizations. Interests include wildlife preservation, photography, gardening, and fishing.

1942

Vernon Inman Porter (Plant Science). Worked for the Green County Highway Department for 18 years. Retired bookkeeper, farmer. Currently resides in Bloomfield, IN. Enjoys gardening through non-toxic black plastic.

1950

Isabel Fulton Ahlgren, PhD (PhD Plant Science). Retired September 30 from the College of Forestry at the University of Minnesota. Research consultant, summers, to the Wilderness Research Foundation. Married and has two children. Moved to Sun City West, AZ, and is teaching an Elderhostel course on the wilderness. Says the education of the 60-plus age group is a delight.

Dorothea Voss Helmen (Biology 1947) (MA Plant Science). Working part-time for the National Association of State Departments of Agriculture and for the local Children's Hospital. Resides in St. Paul and has three daughters. Hobbies include reading, gardening, and hiking. Interested in preservation of the environment and conservation of wildlife.

1951

Marcene Percy, MD (Physiology) (MD 1955). Senior urologist at Marion General Hospital. Currently resides in Marion, IN. His wife, Martha Ellen Lamberson, and five children are all IU graduates. Interests include tree farming, gem cutting, wood-working, and travel.

1952

Aaron J. Ladman, PhD (PhD Anatomy). Full professor of anatomy at Hahnemann University in Philadelphia. Editor of the

Anatomical Record. Lives with his wife, Pat, north of Philadelphia. Has two grown children. Interests include travel, music appreciation and vocalization, photography, and racquetball.

Joe Everett Rogers (Education-Biological Sciences). For 34 years has been a biology and natural science teacher. Married, has two daughters and three grandchildren. Active in scouting, his church, and the neighborhood association. Interests include biking, road racing, track and field, backpacking, canoeing, camping, oil painting, coins, bird watching, and his family.

1953

Don H. McDowell (Zoology). Rear admiral, US Navy. Commander, Naval Security Group Command. Resides in Chevy Chase, MD.

1959

Thomas A. Troeger, MD (A & P) (MD 1962). Director, South Bend Center for Medical Education and assistant dean, IU School of Medicine. Private practice of hematology and oncology. Resides in South Bend, IN with his wife, Patty. Has four children. Enjoys his family, sports, and reading.

1967

Robert John Cak, MD (A & P) (MD 1971). General surgeon in Waterloo, Iowa. Lives in Waterloo with his wife, Roberta, and three children. Hobbies include fishing,

racquetball, and trivia. Also interested in Civil War history. Still an avid follower of Hoosier basketball.

James H. Trosper, PhD (Zoology). Commander, Medical Service Corps, US Navy. Lives with his wife, **Carol Carney Trosper** (Zoology 1967), in Silver Spring, MD. Interests include photography, hiking, camping, handball, and environmental issues.

Karen Hawkins Weaver (Biology 1966) (MAT Biology). Cytogenetic technologist in Birmingham, AL. Lives with her husband, Bill. Has one son and one daughter. Enjoys birdwatching.

1968

Dan B. Walker, PhD (Plant Science). Received PhD from UCLA-Berkeley in 1974. Director of science education at UCLA and research scientist working on plant tissue morphogenesis. Lives with his wife, Joan, and their two children in Los Gatos. Interests include natural history, camping, hiking, photography, and jogging.

1970

J. Gregory Zeikus, PhD (MA Microbiology 1968) (PhD Microbiology). President of Michigan Biotechnology Institute.

1971

Stephanie H. Mullany, MD (Slavic Languages and Literature and Microbiology). Private psychiatry practice in Hartford.

(Continued on next page)

We Want To Hear From You . . .

IU's Department of Biology and the Alumni Association are always interested to learn about alumni and their activities. Please send your news to Alumni Records, IMU M-17, Bloomington, Indiana. PLEASE USE THIS FORM TO REPORT CHANGE OF ADDRESS.

Name _____ Degree/date _____

Address _____

City _____ State _____ Zip _____

Current position/employer _____

News of promotions, publications, awards, personal achievements, etc.

Alumni news

1971, cont'd

Living in East Granby, CT. Married, with two sons. Active with the Connecticut Department of Mental Health Council and the Hartford Women's Network. Enjoys sailing and skiing.

1972

Richard Michael Carroll, PhD (Microbiology). Assistant professor, Department of Preventive Medicine and Community Health, Division of Nutrition, University of Texas Medical Branch, Galveston, TX. Lives with his wife, Charlotte McCall Carroll, and son, Michael. Enjoys tennis, cycling, and fishing.

Christine Lalewicz Crepage (Biological Sciences). ASCP registered medical technologist. Lives in Fort Lauderdale with her husband, William, and son, Nicholas. Their first Florida Christmas was a pleasant experience after years in Ohio.

Elizabeth Anne Prescott, OD (Biological Sciences) (OD 1981). Staff optometrist for Metro Health-Greenwood, Indianapolis. Lives in Danville with her husband, John, and son, Andrew John. Enjoys reading and needlework, and is active in her church.

Mark T. Stevens, MD (Zoology). Obtained his MD from Chicago Medical School in 1976 and an MPH in 1985 from San Diego State University. Resides in San Diego and is assistant chief of occupational medicine at the Naval Medical Clinic. Hobbies include water and snow skiing, surfing, and sailing.

Allan Neil Williams (Biology 1970) (MA Plant Science). Environmental epidemiologist with the Minnesota State Health De-

partment. Lives with his wife, Cynthia Long, son, Brian, and a "couple of ungrateful cats." Tries to return to Bloomington every year or so to see good friends (especially Walt and Lil Konezka). Interests include Stickley furniture, birding, eating, and basketball—he says, "You can't take the Hoosier out of the boy."

1973

Sonia Elisabeth Clesner, DDS (Slavic Languages and Literature and Biological Sciences). Dentist, George Washington University. Enjoys swimming and coaching swimming (conducts clinics for stroke development), biking, and music.

Carol S. Thompson (Zoology 1971) (MA Zoology). Established her own consulting firm dealing with the restoration of wildlife habitat and environmental studies. Has two dogs and lives in Indianapolis on a wooded lot with over 50 species of birds. Active with several environmental groups and her nature photography has been published. Also restores antiques professionally.

William M. Tierney, MD (Biological Sciences) (MD 1976). Associate professor of medicine, Indiana University School of Medicine, Indianapolis. Married to Mary Menzies (IU 1972) and lives in Greenwood with their two children, Ryan and Adam. Interests include running, racquetball, coaching youth basketball and soccer, and reading science fiction.

1974

Stephen Wayne Aldred, MD (Biological Sciences) (MD 1977). Pathologist, Arlington Medical Center, Arlington, TX. Involved in local school activities and with the American Cancer Society. Has numerous animals, including exotic birds, peacocks, turkeys, horses, goats, and chickens.

Robert Edward Steele, PhD (Biological Sciences). Assistant professor, Department of Biological Chemistry, California College of Medicine, University of California, Irvine. Recipient of an American Cancer Society Junior Faculty Research Award.

1975

Orlando Fernandez, MD (Biological Sciences), MD from Yale in 1979. Private practice in San Juan. Team physician for Puerto Rico Gymnastics Federation. Enjoys gymnastics and scuba diving.

Duane Henry Kuhlenschmidt, MD (Biological Sciences) (MD 1979). Anesthesiologist at Deaconess Hospital in Evansville, IN. Married, with four children. Hobbies include hunting, fishing, gardening, and farming.

Scott Allan Miller, MD (Biological Sciences) (MD 1979). Ophthalmologist in private practice. Enjoys bicycling, camping, and spending free time with his family.

1976

Louis Barry Cantor, MD (Biological Sciences) (MD 1980). Assistant professor of ophthalmology, IU Department of Ophthalmology and clinical chief, Wishard Hospital. Director of glaucoma service at IU. Resides in Carmel with his wife, Linda, and son, Robert. Hobbies include basketball and skiing.

Mark Dexter Cohen, MD (Biological Sciences) (MD 1979). Assistant professor of medicine, Medical College of Virginia, Division of Cardiovascular Disease. Lives with his wife, Barbara, in Richmond. Enjoys tennis and basketball.

Cynthia Lee Stokes (Economics 1970) (MAT Biology). Recently returned to Bloomington. Working in IU's School of Business as program assistant for executive education.

1978

Lynnell P. Gardner, MD (Microbiology). Ob-Gyn for Tulsa Prucare HMO. Lives in Tulsa with her husband, Michael F. Hamant, MD. Interests include skiing, travel, and the theatre.

1979

Michael Hayduk, DDS (Biology-IU Northwest) (DDS 1983) (MS Periodontics 1986). In private practice in Merrillville and is an assistant professor of periodontics at the IU School of Dentistry and IU Northwest.

Sylvia Rose Lockett Jackson (Biology). High school science teacher. Lives in Oxnard, CA, with her husband, Eric, and two children. Teaches Sunday school; enjoys reading, jazzercise, biking, and camping.

Mark Joseph Sauer, DDS (Biological Sciences) (DDS 1983). Has a general dental practice. Active in his church, the Jaycees, and an annual charity, Valentine Dental Day. Loves basketball and running marathons.

1980

Michael L. Bentz, MD (Biology and Chemistry). General surgery resident, Temple University Hospital, Philadelphia. Interested in pediatric plastic and reconstructive surgery.

Curt Allen Jordan, MD (Biology) (MD 1984). Completed family practice residency in June 1987. Hobbies: sports, guitar, and IU!

Ricki Anderson Lewis, PhD (MA Biology 1978) (PhD Genetics). Teaches genetics and nutrition courses at SUNY-Albany.

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Alumni news

Acts as a genetic counselor for two obstetric practices. Has written a biology textbook for non-majors which is due out in 1988. Writes a newspaper column and is ghostwriting a novel. Lives in Scotia with her husband, Larry, and their two daughters.

1981

Christopher A. Burns, DDS (Biology) (DDS 1985). With the US Navy, stationed in the Philippines. Wife, Jill Merritt Burns, is also a dentist. Interests include computers, photography, books, plants, physical fitness, sporting events, jazz, and golf.

Catherine D. Chambers-Walsh (Biology) (MS Environmental Sciences 1983). Environmental scientist for the consulting firm T. A. Gleason Associates. Project manager for hazardous waste investigations at industrial plants. Lives in Cincinnati with her husband, Hugh. Active member of the Cincinnati Zoological Society. Avid volleyball player.

Steven Brian Lee, DDS (Biology) (DDS 1985). Five of the six members of his family have IU degrees. Lives in Ft. Wayne and is in private practice there as a periodontist. Hobbies include water skiing, hockey, bicycling, and bachelorhood.

1982

David S. Brokaw, MD (Biology and Chemistry) (MD 1987). In IU's orthopaedic surgery residency. Interested in orthopaedic and spinal trauma. Five of his family members, including his wife, Christine, have IU degrees. Is the physician for his old high school football team. Hobbies include wood carving, cabinet making, bicycling, weight lifting, Nick's, and IU football/basketball games.

Elizabeth Ann Pierson (Biology). Congratulations are in order to the former Elizabeth Kurtz, who married Leland Pierson on August 22. She continues her doctoral work in botany (plant ecology) at Washington State University.

Mark A. Seybold (Microbiology). Research associate, Baxter Travenol Laboratories, Round Lake, IL. Resides in Palatine and enjoys golf.

1983

John L. Davidson, Jr., MD (Biology and Chemistry) (MD 1987). Methodist Hospital of Indiana transitional internship (June 1987-May 1988). Indiana University ophthalmology residency (July 1988-June 1991).

Tina R. Thompson (Biological Sciences). Working as a quality control assoc. scientist for a firm in Melrose Park, IL. Has two fish, Comet and Lollipop, and enjoys photography and woodcarving.

Cynthia Harris Wooge (Biological Sciences). Working on PhD in the Department of Pharmacology at the University of Iowa. Lives in Coralville with her husband, G. Scott Wooge. Enjoys bicycling, running, baking, and gardening.

Patty Yast, MD (Biology and Chemistry) (MD 1987). Interested in psychiatry. Resides in Merrillville, IN and enjoys running.

1984

Mary Elaine Andrews (Biology). Congratulations to Mary upon the birth of her son, Neal, born March 24. A member of the biology staff, Mary has returned part-time to her position as a research associate in Dr. Rudolf Raff's lab.

John Alexander Churchill (Biological Sciences). Attending IU medical school. Is on surgery rotation, recently did his first suturing, and says "the patient survived anyway." Engaged to Claire Lynn Niehaus; they plan to marry October 24. Hobbies include sailing, fishing, playing soccer, and working on old VWs.

Jacqueline Murray (Biology). Environmental health specialist/lead investigator for the Marion County Health Department. Lives in Indianapolis with four fish and Myrtle the turtle. Served as a volunteer for the Pan Am Games. Took second in the racquetball finals of the White River State Park Games and tied for second in the judo competition at the US Olympic Festival held in North Carolina.

1985

Gene Solmos (Biological Sciences). According to Dave Iverson, Gene is entering his third year at Rush Medical School and is out on the wards doing his rotations.

1986

Maria L. Airo (Microbiology). Research technician at the University of Cincinnati. Interested in pursuing a master's degree

in health education. Enjoys life in Cincinnati but is resisting efforts to convert her to a Reds fan!

Scott J. Barton (Biology). Graduate student in the Department of Organismic and Evolutionary Biology at Harvard University.

Joe Bothwell (Biology). Took a year off after graduation, taught in a high school and worked in an automotive plant—18 hours a day. Entered IU medical school this fall and is assigned to the Bloomington campus.

Lynn Burford (Biology). In her second year of optometry school at IU.

Marveta Davis (Biology and Psychology). Working for the Independent Study program on the Bloomington campus.

Frederick ("Fritz") Louis Eibel (Biology and Chemistry). Working as a sales representative for Boehringer-Mannheim Biochemicals. Responsible for the Florida, Georgia, and Indiana areas. Hobbies include the restoration of classic cars, golfing, and water skiing.

David Gerst (Biology). Attending Dr. Scholl College of Podiatric Medicine in Chicago. Plans to graduate in 1990.

Jennie Gubbins (Biology). Student at the IU School of Medicine, South Bend. Interested in orthopedic surgery, sports medicine, or a combination of the two.

Thomas Gutwein (Biology). Attending IU School of Medicine and hopes eventually to practice in Indiana.

Edward Hackett (Biology). Dental student at Northwestern University in Chicago. Wants to specialize in orthodontics.

Elizabeth L. Harbuck (Microbiology). Research assistant in the pathology department at St. Louis University Medical School. Investigating osteosarcomas using monoclonal antibodies.

David A. Iverson (Biology). Attending Rush Medical School, Chicago, and is working in the hospital's bone bank. Consider-

(Continued on next page)

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Alumni news

1986, cont'd

ing specializing in neurology, pediatrics, or geriatrics. Would like to continue research relating to schizophrenia, Parkinson's disease, and aging begun for his Core honors project at IU.

Paul Lawrence Kane (Biology). Congratulations upon his marriage to Pamela Fisher, also an IU alum, on August 9. He is attending IU medical school.

Juliet Kersten (Biology). Studying at the University of Wisconsin-Madison, pursuing a Master of Arts in business with a major in health services administration. Considering law school to begin a practice in health law.

Daniel Kmak (Biology). Attending the IU dental school.

Cheryl Loman (Biology). Enrolled in the IU optometry school and will complete her degree in 1990.

Francis Paul Sajben (Biology). Worked as a lab assistant to Alan P. Knutsen, an MD at St. Louis University Medical Center. Is attending medical school this fall.

George Bradford ("Brad") Sammons (Biology). Attending dental school at IUPUI. Hobbies include softball, running, snow skiing, and fine wine.

Valerie Savage (Biology). A member of the biology staff, she is a full-time laboratory technician in Dr. Gerald Gastony's lab.

Mary Farrell Stanton (Biology). Enrolled at IUPUI in the Medical Technology program and hopes to graduate in 1988. Interests include reading, needlework, and antebellum homes.

Tammy Weiner (Biology). Completed her master's degree in library and information science in July from the University of Texas at Austin. Looking at various internship possibilities and hopes eventu-

ally to work in the library of a pharmaceutical company.

Kay McCrary Yatskievych (Plant Science). Congratulations to the former Donna "Kay" McCrary who was married August 6. Now residing in St. Louis, she is finishing work on her book, *A Field Guide to Indiana Wildflowers*. This covers all species of Indiana wildflowers and includes her own photographs and drawings.

1987

Scott Dougall (Biology). District manager, Los Angeles area, for Cook, Inc.

Dirk A. Hunt (Biology). Announced his engagement to IU student Sue Steinger. A member of the biology staff, Dirk is a laboratory technician in Dr. Norm Pace's lab.

Lea Marlow (Biology). Spent the summer as a riding instructor at a Michigan camp. Began IU medical school this fall and has been assigned to the Bloomington campus.

Kevin D. Smith (Biology). IU Founda-

New scholarship established

A new scholarship honoring L. S. McClung was established this spring. The endowment was created by Con F. Sterling (AB'42), the first undergraduate to receive a bacteriology degree. McClung presented the award to Tracy Lawhon at the Biology Banquet on May 1. In the future, the scholarship will provide two \$2,000 awards annually to deserving undergraduate microbiology majors.

tion associate telemarketing director for the Campaign for Indiana. Alumni member of the Phi Delta Theta fraternity. Resides in Bloomington, has a beagle named Skipper. When he can find the time, he enjoys most sporting activities, watching the Hoosiers win, and fishing and hunting.

Departmental friends

The people listed below are not our majors. They have been supportive of the department, however. Some are parents of our students, others have an interest in biology, all believe in the importance of what we are doing. Whatever the tie, we are grateful to them.

Keith R. Porter, PhD. Member of the National Academy of Sciences. Resides in Maryland with his wife, Elizabeth.

Pamala Gail Reed, MD (Chemistry 1976) (MD 1980). An anesthesiologist in private practice. Lives with her husband, Larry L. Lomison, in Ft. Wayne. Active in the Izaak Walton League and the Sierra Club. Hobbies: snow skiing and tennis.

Lee Caldwell Churchill (MSE 1978 Adult Education). Also has a master's degree in English and secondary education from the University of Wisconsin. Writing instructor at Ivy Tech. Resides in Indianapolis. Is a lector in her church and has joined a horticultural club. Has two sons, John (Biological Sciences 1984), who is attending IU medical school, and David, who is in his last semester of business school at IU. Enjoys chamber music and weekly nature hikes at Eagle Creek Park.

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