

Indiana University
BIOLOGY
Alumni Newsletter

Vol. II, No. 1

Spring 1984



HOMECOMING '83

DID YOU MISS SOMETHING FUN? These people enjoyed the First Annual Biology Alumni Day on October 15. From the "Welcome Alumni" sign clockwise: Dr. William R. Breneman, PhD '34, Luther Dana Waterman Professor Emeritus of Zoology, gives his famous "From Kalamazoo to U" lecture. Tressie Scherschel '39 with son Mark '72 and daughter-in-law Susan '79. Dr. Breneman, Tommie Owens '78 (wife of Dr. Walter L. Owens '44), and Mrs. Breneman. Sherry Hanson '85, junior chairperson of the biology undergraduate steering committee, with Betty Raub Williams '33. Dr. Jim '68 and Carol Masters.

The sun was shining, the leaves were turning, and the temperature was in the 60s. We couldn't have ordered a better day—storybook fall weather in Indiana. At 8:00 a.m. the WELCOME ALUMNI signs had been hung, the coffee was perking (after all the fuses blew), and the doughnuts were fresh. A few faculty had gathered in the lobby with expectant smiles on their faces and coffee cups in their hands.

At 9:00 a.m., the first few of 175 alumni came through the double doors of Jordan Hall and gathered in the lobby. **Betty Raub Williams '33** and her husband **Howard**, Economics '34, were there and had a special tour of Jordan Hall guided by undergraduates. **Charles Mohler '40** and his wife brought their anniversary cake to share with the group. **Jim Masters '68** and his wife drove over from Cincinnati and were last seen on the bus to the football game. **Tressie Scherschel '39** and her son **Mark '72** and daughter-in-law **Susan '79** are on campus occasionally, but hadn't been in Jordan for

some time. **Jim Brokaw '50** and his wife met their son **Dave '82** for a reunion. **Susan Brokaw Wonnell '76**, where were you? **Carol and John Dugan '63** brought **Ann Marie** (Class of 2004?). Students are getting younger.

More and more alumni gathered and the lobby was filled with conversation, snatches of which went like this: "The building looks good—still has that smell." "If I sign in and give my address, will you contact me for money?" "He looks good; hasn't changed a bit." "He got a teaching award; I don't believe it." "I'd hoped to see more of my friends here. Next year I'm going to make some calls." "You don't remember me, but I had your class." And, "There are more faculty here than at the last faculty meeting. Maybe we should serve doughnuts."

At 10:45 we filed into Jordan 124, where Dr. Konezka welcomed the group and introduced Dr. Breneman. The scene was set, the long string was taped to the wall,

and we began the trip from Kalamazoo. Dr. Breneman received a standing ovation and added greatly to our enjoyment of the day. He provides the link between what is remembered and cherished from the past and the excitement and changes in the future.

Thirty-three people walked through the woods to the Poplars for lunch. The food was good, the price was right, the bar was wet, the company terrific, and a bus was provided to the stadium. It almost didn't matter how the football team did—the morning was that enjoyable.

We have the beginning of a happy tradition in the Department. Next year, join the faculty, students, and your friends in Biology on the morning of October 20. The new wing will be open, and coffee and doughnuts will be served in the atrium. Plan on Homecoming morning and lunch with us, then go to the Wisconsin game, if that's your pleasure. The next newsletter will have all the details.

A message from the chairman

Dear Alumni,

The nine months since the first Newsletter have passed rapidly for us. We have continued to make progress on all fronts.

As you can see in the photograph, the new wing of Jordan Hall is almost completed. The exterior is essentially finished, and workmen are now "trimming" the interior. We hope to occupy this facility by early summer.

The Biology Enrichment Fund is growing, and I wish to extend my very sincere thanks for your generous gifts. The article on scholarships in this issue highlights only one of the benefits of your gifts. We have also been able to fund the recruiting of top faculty prospects. I am proud to say the extra effort has paid off.

Professor **Norman Pace**, a distinguished senior investigator, will join the microbiology and molecular group in the fall. His research interests are the structure and function of small RNA molecules. Assistant Professors **Susan Strome** and **Marc Muskavich**, developmental biologists who utilize flat worms and *Drosophila* respectively, will also join us in the fall. Dr. **Walter Ream**, a plant molecular biologist, has just completed his first semester on campus. We are now recruiting an avian biologist to carry on the strong tradition of research on birds begun by Professor Val Nolan.

We are continuing to work on innovative programs and have several goals in mind. We want to "computerize" the department. The main office has word processing capability. We do have a few terminals set aside for student use, but we do not have the computer sophistication that a modern department should

possess. One step in that direction is a new course on computer software for biology majors which Professor Dean Fraser designed and taught for the first time this spring. We hope to have a computer room set aside for students where they can incorporate word processing, model building, and statistical analysis into their coursework.

We are also struggling with funding for equipping the proposed biotechnology laboratory. The new wing contains a large laboratory with benches, and that is all. The centrifuges, microscopes, growth chambers, sterile hoods, electrophoresis power supplies, refrigerators, and balances are not there, for we do not have the funding. Somehow we must combine help from the private sector with university and government development programs to equip this laboratory. It could be used for viral tissue culture, immunology, molecular aspects of pro-

caryotes, molecular genetics, and plant cell and tissue culture laboratories for undergraduates. If you have ideas or suggestions, I would appreciate hearing from you.

We are fortunate to have Walter A. Konetzka, associate chairman, as a new addition to the administration of the department. His insight and leadership on curricular and other teaching matters have been a real boon to the department. It has also been a real pleasure to have someone with whom to share the successes and frustrations of the administration of a large academic department.

Finally, I hope you continue to enjoy the Newsletter and support its growth with suggestions and items for publication. We want it to meet your needs, for even with the problems of funding, space, and equipment, we are interested in you.

Rollin C. Richmond,
Chairman



JORDAN HALL ADDITION

Scholarships in Biology

The cost of college education is rising. That is no surprise to anyone, particularly parents and students. In the Department of Biology, over one-third of the 915 undergraduates and 75 percent of the 150 graduate students receive some form of financial aid. Most of this aid is based on a severe evaluation of financial need, i.e., it often penalizes the middle class family with two or three children in college at the same time. Another quarter of the undergraduates in the Department need supplemental funds and hold part-time jobs while in school.

For years, the Department controlled only two scholarships — the Payne Scholarship and the Floyd. We lost talented undergraduate and graduate students to schools with greater financial resources. This bit of background explains, we hope, why the Department is delighted to announce that in the past

year four new scholarships have been established in Biology.

The **Robert W. Briggs Research Fellowship** provides funds to a senior graduate student doing research in developmental biology. The fellowship will be funded by a combination of donations from departmental faculty and staff, IU Distinguished Professors (of whom Bob was one), members of the National Academy of Sciences, and friends and students of Bob's. The University, in tribute to Bob, agreed to fund the fellowship for several years, or until an endowment in the Department can take over. This year's winner, chosen by faculty committee, is Cliff Carpenter, who is in his final year of graduate school and working in Bill Klein's laboratory. Cliff has published two papers (one resulting from a collaboration with Bob Briggs) and has discovered an interesting group of calcium

binding proteins which may regulate intercellular calcium levels to mediate changes in cell morphology.

Cook, Inc., of Bloomington, manufacturers of medical products, sponsors a competition for which any undergraduate student enrolled in a biology course is eligible. The prize of \$1,000 is awarded to the best paper on the design, development, and utilization of a new medical instrument or device. Student papers are reviewed by Cook, Inc., and the prize is awarded at the Senior Class Banquet. The 1983 winner, Boyd Marts, designed a device which reduces the chance of bleeding when a heart catheter is removed. Karim Adal and Alan Weiner received Honorable Mention prizes of \$150 each.

The **Rex Grossman Scholarship** is awarded to one or two undergraduates
(Continued on page 6)

ALUMNI NEWS

Magazines call this column "Where They Are Now." Other alumni publications label it "We Heard From." We are tempted to call it Old News from Old Alumni. What do you think? If you want your news published in the next issue, you must send details, i.e., position title, names of spouse and children, dogs, cats, tax bracket, etc. We leave it to your good taste.

1914

Don C. Warren, BA (Zoology), MA '17, ScD '72 retired 1956, Fremont, Calif. Border award 1940; USDA Certificate of Merit 1953; Kansas State Univ. Distinguished Service Award 1972; Hall of Fame in Agriculture 1972.

1920

Madeline Gullion Knight, BA, MA '26 (Plant Sciences), Rushville, Ind.

1926

Martha Stubbs Curry, BA (Plant Sciences), "tired housewife, mother, grandmother, and great-grandmother," Bloomington, Ind.

1932

Paul Shumaker, BS (Medicine), Alameda, Calif.

Edmund L. Van Buskirk, MD, BS (Medicine), physician-surgeon in ophthalmology (specialty: retinal diseases), Lafayette, Ind.

1933

Catherine E. Broyles, BA (Zoology), Fort Wayne, Ind.

1935

Samuel Wenger Witmer, PhD (Plant Sciences), Goshen, Ind.

1936

Tressie S. Scherschel, BA (Zoology), Bedford, Ind.

1937

Meredith Noftzger Runner, PhD, BA (Zoology), Dept. of Molecular, Cellular & Developmental Biology, has completed 20 years at Univ. of Colorado, Boulder, Col.

1941

Stephen J. Rudolph, Jr., MD, BS (Medicine), Chief Physician, Amoco Fabrics, Standard Oil Co., Inc., Douglas, Ga. Given Paul Harris Fellowship by Rotary Club, Hazlehurst, Ga., in 1983 for service to community.

1942

Ruby Allen Valencia, BS, MA '46 (Plant Sciences), PhD '48, senior scientist, Zoology Dept., Univ. of Wisconsin, Madison, Wisc.

Clifford A. Wiethoff, BA (Anatomy), Seymour, Ind.

Fred Zeiner, PhD (Zoology), Denver, Col.

1944

David A. Hamburg, MD, BA (Anatomy & Physiology), Cambridge, Mass.

1946

Jean Brunner, BA (Bacteriology), Albuquerque, N. Mex.

1947

Ellen N. Brunson, BA (Zoology), Euclid, Ohio

Israel Caplitz, BA (Zoology), Muskegon, Mich.

Donald G. Ritter, MD, BA (Zoology), MA '48 (Zoology), Mayo Clinic, Rochester, Minn.

1948

Richard Canfield Mason, BA (Zoology), PhD '52 (Zoology), Rutgers Medical School, Piscataway, N.J.

Betty Harcourt Spyrison, BA (Bacteriology), Wheaton, Ill.

1949

J.E. Kreible, BA (Zoology), Palatine, Ill.

Dean H. Phillips, BS (Business), Executive Director, Indiana Convention Ctr., Carmel, Ind.

1950

Isabel (Fulton) Ahlgren, PhD (Plant Sci-

ences), Research Specialist, Wilderness Research Fund, College of Forestry, Univ. of Minn. at St. Paul, Duluth, Minn.

Laura (Bluemle) Almuhairei, BA (Plant Sciences), Muncie, Ind.

Norman Gary, MA (Bacteriology), PhD '52 (Bacteriology), Dept. of Biology, Hood College, Frederick, Md.

1951

Robert Clair Childress, BA (Anatomy & Physiology), Bedford, Ind.

George B. Craig, Jr., PhD, BA (Zoology), biology professor, Univ. of Notre Dame, Notre Dame, Ind.; Member, Nat'l Academy of Sciences.

Robert M. LaSalle, Jr., MD, BA (Zoology), Wabash, Ind.

John T. McQuate, PhD (Zoology), Athens, Ohio

1952

Richard Siegel, PhD (Genetics), Dept. of Biology, Univ. of Calif., Los Angeles, Calif.

1953

Ronald H. Doneff, MD, BA (Anatomy & Physiology), Hobart, Ind.

Barbaralu Fischer, BA (Bacteriology), Charleston, W. Va.

James A. Friedman, MD, BA (Anatomy & Physiology), Houston, Tex.

George W. Fries, DDS, BA (Biology), Marion, Ind.

Philip G. Miles, PhD (Plant Sciences), Williamsville, N.Y.

George James Ostheimer, BA (Zoology), Martinsville, Ind.

Martin J. Pine, PhD (Bacteriology), Snyder, N.Y.

Rose Overstreet Stein, BA (Plant Sciences), MA '55 (Plant Sciences), Grand Rapids, Mich.

Shirley Rae Walters, BA (Bacteriology), New Providence, N.J.

Edwin C. McDaniel, BA (Anatomy & Physiology), Indianapolis, Ind.

1954

Morton Tavel, MD, BA (Anatomy & Physiology), Indianapolis, Ind.

Louis T. Tenta, MD, BA (Anatomy & Physiology), Head & Neck Surgical Assoc., S.C., Chicago, Ill.

1955

John R. Racik, BA (Microbiology), senior vice-pres., dir. of Marketing & Media, Kallir, Philips, Ross, Inc., Parsippany, N.J. Includes accomplishments daughter Marianne, BS '79; son John BS '82; daughter Michelle '86; and daughter Theresa.

Thomas R. Scherschel, MD, BA (Anatomy & Physiology), Kokomo, Ind.

Patricia Roach Troutman, BA (Plant Sciences), Fairfax, Va.

1956

Seymour Abrahamson, PhD (Zoology), Madison, Wisc.

1957

Paul E. Brose, MD, BA (Anatomy & Physiology), Defiance, Ohio

Richard Jay Manassa, BA (Zoology), MA '59 (Zoology), director & responsible head, Center Laboratories, Glen Head, N.Y.

1958

Daniel R. Elliott, BA (Anatomy & Physiology), Indianapolis, Ind.

James R. Langhammer, BA, MA '61 (Zoology), Zoological Curator, Detroit Zoo, Royal Oak, Mich. He reports, "Annie, the anaconda, IU's best-known coed from 1958-63, has been a mother three times. She is now 15 feet long and weighs 200 lbs."

Janette R. Sturckow, BA (Anatomy & Physiology), La Mesa, Calif.

Ellen (Garnett) Wytenbach, PhD (Plant Sciences), Lawrence, Kan.

1959

Joseph D. Baxter, BA (Zoology), New Albany, Ind.

Frank Edward Wall, BA (Zoology), Chesterton, Ind.

1960

Jordan J. Choper, MA (Plant Sciences), professor, Dept. of Biology, Montgomery College, Rockville, Md.

J. D. Jones, MD, BA (Anthropology), Anderson, Ind.

1961

Gloria J. Cho, BA (Bacteriology), Denton, Tex.

Joan K. McCoy, BA (Bacteriology), Staten Island, N.Y.

Joanne Roeser, PhD, MA (Bacteriology), Roswell, Ga.

William L. Tyler, MD, BA (Zoology), Owensboro, Ky.

1962

Mauritz G. Anderson, PhD, MA (Biology), professor, Dept. of Biology, Towson State Univ., Towson, Md.

L. William Applegarth, BA (Zoology), Michigan City, Ind.

Ronald Arbutckle, PhD, MA (Bacteriology), Honolulu, Hawaii

Raymond Walter Gize, MD, BA (Anthropology), Fort Wayne, Ind.

James S. Taylor, BA (Zoology), Pepper Pike, Ohio

Dorothea J. Widmayer, PhD (Zoology), Sherborn, Mass.

1963

Andre F. Clewell, PhD (Plant Sciences), director, Environmental Biology Div., Conservation Consultants, Inc., Palmetto, Fla.

David W. Kramer, MA (Plant Sciences), PhD '69, Mansfield, Ohio

1964

Fran Ivker, MD, MA, PhD '69 (Zoology), OB/Gyn private practice, New Orleans, La. Three children: Sharon, Mark, Joshua.

Neil H. Mendelson, PhD (Zoology), Tucson, Ariz.

1965

Lissa Ahl Barrett, BA (Biology), MA (Zoology) '69, free-lance writer, editor of scientific communications, J. L. Shapiro Assoc., Metuchen, N.J.

Robert E. Harman, MD, BA (Zoology), MA '67 (Zoology), South Bend, Ind.

Joe Neihardt, BA (Zoology), manager, Krick Dist. Co., Inc., Madison, Ind. Currently president of Madison Lions Club, Madison Swim Parents, and Madison Choir Presidents.

1966

Carole R. Carroll, PhD (Zoology), Bloomington, Ind.

Jane T. Caseley, MD, SC, BA (Bacteriology), Chicago, Ill.

Elpidio A. Dosado, BA (Bacteriology), Hammond, Ind.

David F. Lichtenauer, MA (Medical Sciences), Liaison/Education, Upjohn Co., received Upjohn's Academy Award for 1982. Lives in Cincinnati with wife Carole and daughter Lora.

Byron E. Lippert, PhD (Plant Sciences), Hillsboro, Ore.

James Sherwood, BA (Biology), Plymouth, Ind.

Gustav W. Hall, PhD (Plant Sciences), Dept. of Biology, College of William & Mary, Williamsburg, Va.

Lary Alan Schulhof, MD, BA (Medical Sciences), Neurosurgeon, Asheville, N. Car.

ALUMNI NEWS

Dirk R. Walters, MA (Plant Sciences), PhD '69 (Plant Sciences), San Luis Obispo, Calif.

1967

Janice Gulo Rasgus, BA (Plant Sciences), MA '69 (Plant Sciences), Falls Church, Va.

Alberto Taylor, PhD (Plant Sciences), Biology Dept., University of Panama, Panama City, Panama

1968

Hud Freeze, PhD, BA (Microbiology), research biochemist at the newly opened Gildred Cancer Center, Univ. Calif. San Diego School of Medicine; main interest glycoprotein research. "I still do some acting, singing, and long-distance running and a triathlon here and there, i.e. average southern California male."

Frederick J. Goulding, BA (Zoology), Summerville, S. Car.

C. P. Land, BA (Microbiology), Cincinnati, Ohio

J. A. Van Fleit, BA (Zoology), South Bend, Ind.

1969

Helen H. Benford, MA (Zoology), Tuskegee, Ala.

Mrs. Harry L. (Patricia) Benson, BA (Biology), Mishawaka, Ind.

John M. Burns, PhD (Zoology), professor, Dept. Biological Sciences (comp. endocrine reproduction — 45 publications to date), Texas Tech. Univ., Lubbock, Tex. Amoco distinguished teaching prof.

C. Eugene Jones, PhD (Plant Sciences), Fullerton, Calif.

Frank L. Meshberger, BA (Zoology), Anderson, Ind.

1970

Richard R. Beesley, BA (Zoology), Lafayette, Ind.

Judith Ann Bland, PhD (Microbiology), Metuchen, N.J.

John Michael Garrett, MD, PC, BA (Zoology), Iron Mountain, Mich.

William J. Laughner, PhD (Genetics), Gainesville, Fla.

Gregory D. Mathew, MD, BA (Zoology), otorhinolaryngologist, Auburn, N.Y.

S. Michael Millbern, MD, BA (Zoology) anesthesiologist; 1984 president, San Diego County Society of Anesthesiologists; La Jolla, Calif.

Arthur I. Sagalowsky, MD, BA (Zoology) '70, asst. prof. surgery/urology, Univ. Texas Southwestern Medical School, Dallas, Tex.

Randolph Wall, PhD (Microbiology), professor, Dept. of Microbiology & Immunology, UCLA School of Medicine.

1971

David M. Denny, MD, BA (Zoology), Indianapolis, Ind.

Martha J. S. Gentry, MA (Microbiology), Stillwater, Okla.

Scott W. Morrison, DDS, BA (Zoology), Indianapolis, Ind.

Paul Nel, PhD (Plant Sciences), Dept. of Genetics, Univ. of Witwatersrand, Johannesburg, S. Africa

1972

Marcia L. Badowski, BA (Biological Sciences), Albuquerque, N. Mex.

Arnold H. Braun, DDS, BA (Biological Sciences), Rockport, Ind.

John R. Kindig, MD, BS (Biological Sciences), Indianapolis, Ind.

Mark E. Scherschel, BA (Zoology), Bedford, Ind.

Norbert Welch, MD, BS, (Biological Sciences), urologist, Lafayette, Ind.

Robert Zerbe, MD, BA (Biological Sciences), assoc. clinical pharmacologist, Eli Lilly, asst. prof. of medicine, Indiana Univ. Medical School; over 25 publications in area of neuroendocrinology.

1973

Gary L. Breslau, DDS, BA (Biological Sciences), Indianapolis, Ind.

David W. Burke, BA (Zoology), New Whiteland, Ind.

Michael D. Glant, MD, BA (Biology), director, Cytopathology, IU Hospitals; asst. prof. Pathology, IU School of Medicine.

Wayne & Nan Hart, BA (Biological Sciences), Portland, Ore.

Gary A. Horn, BA (Zoology), Zionsville, Ind.

Lee McKinley, MD, BA (Biology), Alexandria, La.

Roxann Torrella, MD, BS (Biological Sciences), Indianapolis, Ind.

Susan M. Vuke, BA (Biology/Geology), Montana Bureau of Mines and Geology, Butte, Mont.

1974

Marsha I. Altschuler, PhD (Plant Sciences), Ithaca, N.Y.

James M. Brogan, BA (Biological Sciences), Capt., Judge Advocate Corps, Army Reserve, Ardmore, Pa.

Thomas C. Friedrich, BA (Microbiology), Fort Wayne, Ind.

Sally Hausman, BA (Biological Sciences), MA '78 (Biology), Rockville, Md.

Sioux A. Hill, BA (Biology), Bloomington, Ind.

Ryan D. Matherly, MD, BA (Biology), Elkhart, Ind.

David J. Porter, BA (Biology), clinical asst. prof. of radiology, Southern Illinois School of Medicine, Springfield, Ill.

William Walter-Ryan, BA (Biology), asst. prof., Dept. of Psychiatry, Univ. Alabama, Birmingham; various articles in psychiatric/psychopharmacology journals.

1975

Wyman N. Bravard, BA (Biology), MBA, general partner, Market Intelligence Research Company, Palo Alto, Calif.

George Georgilis, OD, BA (Biological Sciences), Southgate, Ky.

David Allen Hillman, BA (Biology), optometry student, Indiana Univ., Bloomington, Ind. Certified electron microscopy technician.

Steven M. McMahan, BA (Biological Sciences), Indianapolis, Ind.

Alan I. Roth, MD, BA (Biology), orthopedic surgeon, Cleveland Clinic Foundation, Cleveland, Ohio

Jeffrey L. Schram, BA (Biology), lieutenant, U.S. Navy, pilot & instructor, Lemoore, Calif. Currently flying the Navy's newest aircraft, F/A-18 Hornet.

Robert Su, PhD (Microbiology), Lawrence, Kan.

1976

Robert Bencic, DDS, BA (Biology), U.S. Public Health Service Lt. Commander/0-4, chief dentist, Indian Health Service Hospital, Lawton, Okla.

Gregory A. Berger, DDS, BA (Biology), Jasper, Ind.

Vicki Seller Bledsoe, MD, BS (Biology), East Lansing, Mich.

Alicia Byers, MD, BA (Biological Sciences), director, Cytopathology, IU Hospitals; asst. prof. pathology, Indianapolis, Ind.

William E. Goldman, PhD, BA (Microbiology), PhD from Univ. of North Carolina, asst. prof., Dept. of Microbiology & Immunology, Washington Univ. School of Medicine, St.

Louis, Mo. Field of interest: molecular mechanisms of microbial pathogenesis.

Scott W. Kirkconnell, MA, PhD '78 (Microbiology), Russellville, Ark.

Capt. Michelle Ann Lachner, BS (Microbiology), Colorado Springs, Col.

Craig Nessler, PhD (Plant Sciences), Bryan, Tex.

Jack Darrell Rush, MD, BS (Microbiology), Iowa City, Iowa.

Thomas G. Warren, MA (Zoology), PhD '80, Bronx, N.Y.

1977

Rex A. Allman, MD, BA (Biological Sciences), Family Practice Residency, South Bend, Ind.

Mary Ann Bean, DDS, BA (Biological Sciences), Indianapolis, Ind.

Beth Buchanan, MD, BA (Biology), Indianapolis, Ind.

Cecily (Axsom) Fultz, BA (Biological Sciences), nuclear medicine technologist, Community Hospital, Indianapolis, Ind.

Douglas Soltis, MA, PhD '80 (Plant Sciences), Greensboro, N. Car.

Vicki Vaughn, MA (Microbiology), Ann Arbor, Mich.

1978

Brad Allen, BA (Biological Sciences), paramedic, Crown Point, Ind.

John J. Badora, BA (Biological Sciences), sales, Rainey Engineers, Houston; Sugar Land, Tex.

Victoria A. Trigg, BS (Microbiology), Cincinnati, Ohio

1979

Lori E. Amsterdam, BS (Microbiology), West Hartford, Conn.

James P. Costello, OD, BA (Biological Sciences), Chicago, Ill.

Sharon J. Everett, BA (Zoology), MS from Ball State, pharmaceutical consultant/representative, Parke-Davis, Shreveport, La.

Haydon Rochester, PhD (Plant Sciences), scientific & technical editorial services, Philadelphia, Pa.

John Saska, BA (Biological Sciences), MBA from Northwestern, Deloitte Haskins & Sells, Chicago, Ill.

Pamela Sue Tilton, BA (Biology), owner of Reptile Kingdom Serpenterium, Nashville, Ind. Two children, Jimmy and Andy.

James Waldman, MD, BS (Biological Sciences), intern, Albert Einstein College of Medicine, Jacobi Hospital; lives in Bronx, N.Y.

1980

Gregory R. Alsip, BA, (Biology), Galveston, Tex.

Antoinette Botti, BA (Biology), Penn. College of Optometry, Philadelphia; Member of Student Optometric Service to Haiti (1984).

1981

Janet R. Bokern, Lt., BS (Biology), El Paso, Tex.

Alida Evans, PhD (Genetics), Cancer Prevention Program, Univ. of Wisconsin, Madison, Wisc.

Eva L. Ketcham, BA (Zoology), Bloomington, Ind.

1982

Sarah Appel, BA (Biology), attending optometry school, Indiana University, Bloomington, Ind.

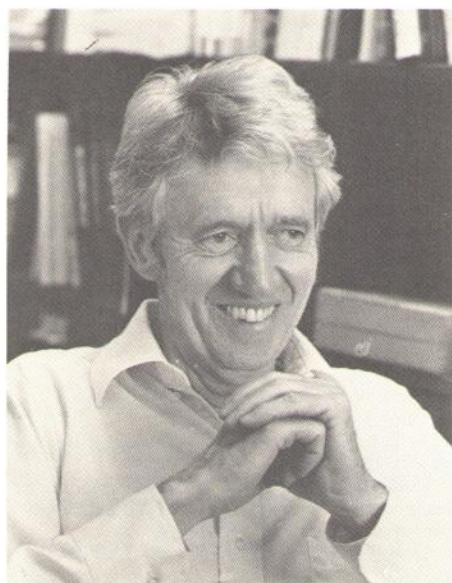
Kathryn Armstrong, BS (Microbiology), Columbus, Ohio

Mark A. Seybold, BS (Microbiology), microbiologist, Travenol Labs, Morton Grove, Ill.

Jennifer Shrote, BS (Biology), Eli Lilly Biotechnology, Indianapolis, Ind.

Goodbye, Bob Briggs

Mutations



Robert W. Briggs, Distinguished Professor Emeritus, died March 4, 1983. In his 71 years he accumulated a wealth of friends and achievements in and out of the sciences.

After degrees from Boston University (BS '34) and Harvard University (PhD '38), where he was an Austin Teaching Fellow, Bob began his academic career at McGill University in Canada. In 1942 he joined the Institute for Cancer Research in Philadelphia, where he and Dr. Thomas King did pioneering work in nuclear transplantation.

Bob came to IU in 1956 as an untenured full professor, a point of great pride with him. He taught undergraduates and graduate students, and took part in the less elegant managerial aspects of a university, i.e., committee work and the zoology departmental chairmanship from 1969 to 1972.

It is tempting to talk of the rigor with which he approached research and teaching, and the generations of students who are better scholars for having known him. He was elected to the American Academy of Arts and Sciences and the National Academy of Sciences. He received the Charles Leopold Mayer Prize of the Academy of Sciences, Institute of France, which he shared with Dr. King. His credentials as a scientist inspired us all, and his loss diminishes the scientific community.

In Jordan Hall, we miss more than his scientific acumen; we miss Bob. Was it the fact that we almost never saw him wearing a tie that told us that this was no ordinary superstar? Or was it the daffodil yellow Datsun sports car? Maybe it was the motorcycle and the Dog Yummies he carried in his pocket to throw to the mutts that chased him. Maybe it was the smile on his face or the way his hair always looked as though something exciting had

just happened to him. Perhaps it was that he had time to stop for a minute and talk to students or staff. Or that one could ask him a question and never worry that he thought it was stupid. Or that year after year, he and Tony Mahowald won the departmental golf tournament, and he had more fun at the celebration party than anyone else. Or that his love of music was so strong that he knew more music faculty than the rest of us together. Or that he took his role as mentor seriously and went to bat for young faculty.

To honor all the memories we hold, the Department has set up the Robert W. Briggs Research Fellowship which will provide stipends to senior graduate students doing research in developmental biology. We are seeking contributions toward the endowment for this fellowship, and we welcome your help. If you share our feelings, make your check payable to the IU Foundation and send it to the Department of Biology.

Evidently H. J. Muller and the recombinant DNA types aren't the only people capable of creating mutants. Editors and printers do it too. Our apologies to the following people.

Somehow a line was dropped (how often do we say, "Drop us a line"?) and two '78 alumni were combined. Lynell Gardner, BS '78 (Microbiology), is really **Lynell Gardner**, MD, and she lives in New Britain, Conn.

It's **Scott Kirkconnell**, MA '76, PhD '78, who is in Russellville, Ark., where he is an associate professor at Arkansas Tech.

Robert Cinatl, BS (Microbiology) '81, isn't in the Army, location unknown. He is in the Indiana University School of Dentistry; I think there's a difference.

Karen Sherman, BS (Biological Sciences) '76, was working at the Savannah River Research Station. It isn't located in Mountainside, N.J., though, but it doesn't matter anyway, for she's now in Seattle, Wash., U. of Washington, as a post-doc in cancer epidemiology.

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.

Application to Join the Indiana University Alumni Association

_____ \$20 Single Annual _____ \$250 Single Life
_____ \$26 Family Annual _____ \$350 Family Life

Name _____

Address _____

City _____ State _____ Zip _____

Please send your check made payable to the IU Alumni Association, M-17 Indiana Memorial Union, Bloomington, Indiana 47405.

Institute for Molecular and Cellular Biology in Jordan Hall

The new Institute for Cellular and Molecular Biology involves the Department of Biology in the most exciting and industrially applicable research in the last 20 years. Dr. Rudolf Raff of our department has been named Director. The Institute's members are drawn from IU Bloomington faculty whose research programs are in molecular and cellular biology. Twenty-five of the Institute's 31 fellows are members of the Biology faculty.

"Effective research in molecular and cell biology has become increasingly complex and dependent on specialized equipment and techniques. Some of these are most effectively shared. The Institute can become a center of research resources unique in Indiana," Raff said.

The Institute will complement the mission of the department by focusing on the role of molecular and cell biology in the expanding biotechnology industry. An Industrial Fellowship Program will enable scientists in industry to come to Bloomington and work with Institute members. Symposium programs will bring leading scientists to IU to discuss current research, and post-doctoral fellowships will attract gifted young scientists to the University. External funding has been sought for specialized experimental monoclonal and DNA sequencing facilities. The cooperation between departments will attract new sources of support and provide the impetus to improve the scientific and technological basis of the state's economy.

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Hey, Look at Them Now...

The Department of Biology is in the enviable position of having faculty, staff, and alumni who are worthy of recognition and, in fact, receive it. Here is a list of some of the most recent kudos. If you know of others, let us know.

FACULTY/STAFF

Norma Atwell - Outstanding Staff Award, 1983.

Tom Dooley, PhD Student - Garner Award for the best student research presentation at the Indiana branch meeting of the American Society for Microbiology.

David Frey - Visiting professor at Quaternary Institute, University of Washington, Seattle. Taught the first course in Paleolimnology ever offered there.

James Holland - Member, National Research Council's Graduate Fellowship Evaluation Panel in Biomedical Sciences.

Walter Konetzka - Biology Senior Class Teaching Award, 1983.

Polley McClure - Associate Dean in Research & Graduate Development.

Craig Nelson - Amoco Foundation Teaching Award, 1983.

Frank Putnam - elected vice-chairman of the Midwest Council of the American Academy of Arts & Sciences. Honorary Fellow of the National Academy of Clinical Biochemistry for 1982-83.

Anthony San Pietro - elected to the National Academy of Sciences.

Anne Simon, Post-Doc. - Esther L. Kinsey PhD Dissertation Award. Now a Post-Doc in Dr. Marti Crouch's lab.

Gary Sojka - Coe College Alumni Award of Merit, 1983.

ALUMNI

Paris Allen, BA Zoology '58, MA Microbiology '60, PhD Univ. of Illinois, has been named vice-president, Quality, Research and Development Division, G.D. Searle & Company, Skokie, Ill.

George B. Craig, Jr., BA Zoology '51, professor of biology, Notre Dame University, elected to National Academy of Sciences, 1983.

Shelby Gerking, PhD Zoology '44, second vice-president, American Fisheries Society. Arizona State University, Tempe, Ariz.

Abraham Hsieh, PhD Microbiology '69, IU Outstanding Alumni Award 1982. Oak Ridge National Lab, Oak Ridge, Tenn.

S. Michael Millbern, MD, BA Zoology '70, president San Diego County Society of Anesthesiologists.

Gene Perry, PhD Botany '67, awarded Wright-Lombard Distinguished Teaching Award for 1982-83; Chairman of Department of Biology in 1984, Knox College, Galesburg, Ill.

Don C. Warren, BA Plant Sciences '14, MA '17, Retired USDA, 1956. Agriculture Hall of Fame, Fremont, Calif.

Scholarships

(Continued from page 2)

each year. Rex Grossman was a contractor in Bloomington, and the face of the city and the homes he built bear his stamp of quality. Because the scholarship honors him, its criteria reflect what he thought important. Students eligible for the scholarship must be committed to a college education and show that commitment by earning a large portion of the incurred cost themselves. They must major in the Department of Biology and pursue course work which will lead to acceptance to medical school. Finally, they must demonstrate through scholarship, hard work, and personal relationships that they have the potential to become caring, intelligent physicians who will be a positive influence on their profession and community. 1983 scholarship winners Robin Hadley and Janice Park are members of the freshman class at the IU Medical School. 1984 winner James Holmes has been accepted to the IU School of Medicine.

The Louise Constable Hoover Fellowship is a gift from Dr. and Mrs. Michael H. Schatzlein to honor his maternal grandmother. Nominees for the fellowship must be senior graduate students in an area not currently funded by federal training grants, and are evaluated by a faculty committee on the basis of graduate scholarship, research competence, and potential. This year's winner, James Hengeveld, is working with Val Nolan on the population biology of birds.

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Indiana Memorial Union, M-17/Bloomington, Indiana 47405

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