A Message from the Chairman

Dear Alumni,

The last ten years have had an enormous impact on the sciences. What was once a science fiction flight of imagination is now the reality of test tube babies, recombinant DNA technology, and alternate energy sources. Important discoveries are being made at an incredible pace.

The Department of Biology shares the excitement and generates its own. We are stimulated by the high quality and range of interests of our faculty. Graduate and undergraduate students continue to be of high caliber, to be competitive in the very best programs nationwide, and to spread a positive image of Biology at Indiana. A new wing is being built on Jordan Hall which will give us the most advanced research facilities, new classrooms, and the space in which to run innovative programs which involve industries and research world wide.

We are moving in new directions. This newsletter is just one example of the emphasis we put on the importance of our alumni. You have made a major contribution to the reputation of the department. You began the tradition of excellence that students and faculty carry on today. Biology should not be a single stage in your life—something you did when you were 20 years old. Biology is a part of your life, and we want you to be a part of this department. We want you to know what is happening with our students and research. We want to know what you think should be important priorities for us. The newsletter will be our primary method of correspondence, and we want it to reflect your interests. Let us know your reactions to our first effort. Give us suggestions and information. I urge you to fill out the form on page 6. We are interested in where you are and what you are doing now.

Rollin Richmond, Chairman

Where did all the departments go?

When Jordan Hall was opened in 1955 the Departments of Bacteriology, Botany, and Zoology finally came together after years of inhabiting separate buildings on campus. There were those who worried how the departments would coexist—animals eat plants and bacteria eat everything, but it finally became obvious that the departments had common interests that could best be served by some sort of confederation. Frank Young in his “Brief History of Biology at Indiana University” describes the move away from separate departments in these terms.

The prominent research issues of the day were more often biological than zoological or botanical or microbiological; molecular and genetic biology naturalized by sophisticated biochemistry and the elucidation of the architecture and replicative mechanisms of DNA was revolutionizing studies of the genetic control of differentiation. A new breed of biologists, few of whom considered themselves botanists, zoologists, or bacteriologists per se, was emerging.

A new generation of students, conditioned by modernized textbooks, was coming out of our high schools. Our conventional departments were being challenged by these circumstances and the simple kind of informal cooperation that had served us well no longer seemed able to meet the challenge.

The Division of Biological Sciences was instituted in 1963 with Tracy Sonneborn as acting director. The Departments of Bacteriology, Botany, and Zoology still retained considerable autonomy and awarded degrees at all levels, but the Division became responsible for curricula, graduate fellowships, promotion and tenure, common facilities, and new faculty appointments. The Department of Anatomy-Physiology, first separated from Zoology in 1904, was a part of the Division at this time although its teaching and research were tied to the medical program.

In the late sixties and early seventies major revisions were made in the undergraduate curriculum. The Core Curriculum, or BS in Biological Sciences, a rigorous and highly experimental approach to biology, was instituted for strongly motivated students. The new “S” courses were highly integrated and taught from the standpoint of levels of organization rather than departmental affiliation. All “S” courses contained information on animals, plants, and bacteria, and were taught at the cellular, genetic, developmental, physiological, or population level. Graduates of the “Core” were accepted and funded by graduate, medical, and dental schools in the United States. They continue to be highly competitive to this day.

The AB in Biological Sciences followed close on the heels of the BS and, in fact, was patterned after it. Existing departmental courses were divided into categories, again at levels of organization.

Students then had the flexibility of a pro-

(Continued on next page)
Jordan Hall addition to open in ’84

New wing to include labs, offices & lecture hall

In 1954, the cornerstone of Jordan Hall of Biology was laid. The Departments of Bacteriology, Botany, and Zoology moved into a modern, new, state-of-the-art research and teaching facility. Handbooks of the time described it as a place of flexibility, easy maintenance, attractive library, air conditioning, electric blackboards, and superb services the building provided.

Thirty years of wear and tear have tempered the truth of those statements, and the formerly spacious quarters are now badly over-crowded. Nonetheless, the building is clean and well maintained, the library is one of the best and most comfortable on campus, the air conditioning is overloaded, but the electric blackboards still work! What was not anticipated was the growth of the sciences, particularly in terms of equipment which demands space and produces heat, and new laboratory techniques which demand special facilities.

The 12.8 million dollar addition to Jordan which the faculty calls the new wing (among other endearing terms) will be ready for occupancy in 1984. At a cost three times that of the original building, it will increase space by 33 percent, add five new greenhouses, a 175 seat lecture hall, and numerous laboratories and offices. Once again all the departments will be under one roof, and Morrison Hall, formerly the home of the ecology faculty, the Undergraduate Advising Office, and graduate student offices will revert to the strongest predator.

In connecting the old with the new, there will be some curious linkages. Old Jordan Hall was built on an eleven foot elevation per floor but the addition will be built in today's mode of 15 feet per floor. The third floor of the new wing will plane with the fourth floor of the old wing. Interconnecting stairs and new elevators will solve most problems. Good signs will solve the rest.

The building also gets a face lift of sorts, for the new wing is built on the north, and will become the focal point. What was the front (on Third Street) will now be the back! The two story atrium has prompted several departmental contests to determine what should be displayed there. Suggestions have ranged from dinosaurs to unfettered Drosophila mutants to a trapeze.

Where did the departments go?

(Continued from previous page)

gram which allowed them to choose courses from every department. Although the departmental degrees still remained, the vast majority of undergraduates were now Biology majors.

From 160 Biology majors in 1968, the numbers rose to 1200 in 1973. Current enrollment is now 845. In the last ten years, approximately 60% of these students have entered an advanced degree program—medical, dental, law, MBA, allied health science, or graduate school.

There have also been improvements in the operational aspects of the various departments for we then had a common stock room, instrument center, and electron microscope facilities. New faculty appointments were made which were interdepartmental. We no longer hired zoologists or botanists, but molecular biologists who worked with bacteria or geneticists who used fruit flies in their research. Departmental affiliations were disappearing.

In 1977, after debates comparable to the Mideast Peace Talks, the Division became the Department of Biology and Anatomy-Physiology moved to the Medical Sciences Program. Graduate programs were reorganized to reflect changes in faculty. The Department of Biology instituted graduate degrees in Genetics, Ecology and Evolutionary Biology, Molecular, Cellular and Developmental Biology—in addition to degrees in Microbiology, Plant Sciences, and Zoology. (You will notice that somewhere in this evolution Bacteriology became Microbiology and Botany became Plant Sciences; that is called progress.)

Today despite many misgivings the amalgamation works well with few remnants of the former parochialism. Currently the Department has 162 graduate students: 28 in Ecology and Evolutionary Biology, 21 in Genetics, 21 in Microbiology, 41 in Molecular, Cellular, and Developmental Biology, 16 in Plant Sciences, 21 in Zoology, and 12 in the Master of Arts for Teachers. The faculty numbers 48, supervising 51 post doctoral students and research associates, and 25 staff members. Helen Arthur still runs the whole building.
Faculty Update

This is an up-to-date list of the Department of Biology faculty and their areas of research. Can you see a change in research emphasis since you were here? How many of these professors do you remember? In the next issue we will feature Emeritus Professors, new appointments, and those who once taught here but have moved on.


Fraser, Dean (1955). Professor. BS, Harvard Univ., 1938; MS, U. of Illinois, 1939; PhD, 1941. Proteins of ribosomes; preparation of clonal antibodies to Drosophila ribosomal proteins.


Hagen, Charles (1946). Professor. BA, Cornell Univ., 1939; PhD, 1944. Plant physiology and horticulture.


Miller, Carlos (1957). Professor. BSc, The Ohio State University, 1948; MA, 1949; PhD, 1951. Plant growth and development; hormones.


Putnam, Frank W. (1965). Distinguished Professor of Molecular Biology and Biochemistry. BA, Wesleyan University, 1939; MA, 1940; PhD, U. of Minnesota, 1942. Structure, function and genetic control of immunoglobulins and other plasma proteins.


Surzycki, Stefan J. (1975). Associate Professor. MA, Odessa University (USSR), 1960; PhD, Warsaw Univ. (Poland), 1964. Molecular biology and genetics of animal viruses and cell organelles.


Young, Frank W. (1949). Professor. BS, U. of Florida, 1938; MS, 1940; PhD, 1942. Systematics, ecological genetics, and ecology of aquatic Coleoptera of North and South America.

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? There is remarkably little information here, and if you want more 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.

1928
Dr. and Mrs. Clyde G. Culbertson, (Medicine), Columbus, IN

1934
Max Ganz, MD, (Medicine), Marion, IN

1939
Jean (Robinson) Vail, (Botany), Michigan City, IN

1940
Albert P. Blair, PhD, (Zoology), University of Tulsa, Zoology Department, Tulsa, OK

1942
Robert and Harriett Dodd, (Medicine), South Bend, IN

1944
Dorothy I. Lansing, MD, (Zoology), Paoli, PA
Walter Owens, MD, (Zoology), OB-GYN, Bloomington, IN
Eric L. Simmons, PhD, (Zoology), Chicago, IL

1947
Seymour S. Weinblatt, (Zoology), Counsellor-at-Law, Flemington, NJ
George A. Work, (Bacteriology), Mead-Johnson, Inc., Evansville, IN

1948
Jeremiah F. McCarthy, (Zoology), Midland, TX

Biology Alumni Newsletter

The Biology Alumni Newsletter is published annually by the Indiana University Department of Biology and the College of Arts and Sciences Graduate School Alumni Association in cooperation with the IU Alumni Association to further alumni interest in and support of Indiana University.

Department of Biology
Chairman............................. Rollin Richmond
Editors............................... Susan Green
.................................. Walter Konetzka
.................................. Dean Fraser

College of Arts and Sciences
Dean .................................. Gary A. Sojka
Director, External Relations .... Gene Tempel

IU Alumni Association
Executive Secretary .................. Frank B. Jones
Assistant Alumni Secretary ....... Joan B. Curtis
Editorial Coordinator ............. Susan R. Clark

1949
Jean A. Creek, MD, (Anatomy/Physiology), Bloomington, IN
Reba M. Goodman, PhD, (Biology), Assoc. Prof. of Pathology, Columbia Univ., New York, NY
Warren L. Kihm, (Anatomy/Physiology), Valparaiso, IN
Ernest R. Sohns, PhD, (Botany), McLean, VA

1950
Berj Antreasian, MD, (Anatomy/Physiology), Internal Medicine, Indianapolis, IN
J.R. Berghoff, MD, (Zoology), Fort Wayne, IN
James Brokaw, (Bacteriology), Doss Chemical Co., Cincinnati, OH
Erich E. Steiner, PhD, (Botany), University of Michigan, Dept. of Biology, Ann Arbor, MI
C.H. Steinmetz, MD, (Zoology), Marathon Oil Company, Findlay, OH

1951
Robert F. Cottrell, MD, (Anatomy/Physiology), Fort Wayne, IN
Martin Dworkin, PhD, (Bacteriology), Prof. of Microbiology, Univ. of Minn., St. Paul, MN
Harry T. Stinson, Jr., PhD, (Botany), Ithaca, NY

1952
Don and Ruth Rudy, (Anatomy/Physiology), Glencoe, MN
Claire and Marilyn Shellabarger, PhD, (Zoology), Bellport, NY

1953
Charlotte J. Avers, PhD, (Botany), Douglass College, New Brunswick, NJ
Lloyd Delman, DDS, PhD, (Bacteriology), Orthodontist & part-time Assoc. Prof. IU Sch. of Dent., Indianapolis, IN
James Smith, (Bacteriology), USDA Food Safety Lab, Philadelphia, PA

1954
Gerald J. Kurlander, MD, (Anatomy/Physiology), Indianapolis, IN

1955
Harold A. Cohen, MD, (Anatomy/Physiology), Hollywood, FL
Roderick H. Turner, MD, (Anatomy/Physiology), Boston, MA

1956
Medney E. Tardy, Jr., MD, (Zoology), Orthopedic Surgeon, Oak Park, IL

1957
Rodney Hamilton, MA, (Bacteriology), Quaker Oats Company, Barrington, IL
Janet Hibner, (Bacteriology), Indiana State Representative, Richmond, IN

1958
Stanley Koscielski, DO, (Zoology), South Bend, IN
James P. Mitchell, MD, (Zoology), Anesthesiologist, Bloomington Hospital, Bloomington, IN
Jeanne Stove Pindexter, PhD, (Bacteriology), Pub. Hlth. Res. Inst. of NY, New York, NY

1959
Donald Burton, (Botany), I.U., Department of Biology, Bloomington, IN
Dana Gallo, (Bacteriology), Virologist, Calif. State Dept. of Health, San Francisco, CA
Betty H. Hayakawa, (Bacteriology), Med. Technologist, UCLA Sch. of Med., Torrance, CA
William K. McGarvey, MD, (Anatomy/Physiology), Carmel, IN
George W. Sorrells, MD, (Anatomy/Physiology), Mitchell, IN

1960
D. Dean Cofield, MD, (Medical Sciences), Diseases of the Eye, Bloomington, IN
Robert E. Duncan, (Medical Sciences), Jacksonville, FL
J. Eugene Fox, PhD, (Botany), Danville, CA
Robert F. Moon, MA, (Bacteriology), Pres., Hosp. Lab. Div., Plantation, FL
Ralph M. Morrison, PhD, (Botany), U.N.C., Dept. of Biology, Greensboro, NC
Charles J. Plau, PhD, (Bacteriology), Chairman, Rensselaer Polytech. Inst., Dept. of Biology, Troy, NY

1961
John Feldman, (Bacteriology), Minneapolis, MN
Scott Ramsey, PhD, (Bacteriology), Corning Glass Works, Corning, NY

Application to Join the IU Alumni Association

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Name ...........................................
Address ........................................
City ........................................... State  Zip ....................................

Please return this form and your remittance to the IU Alumni Association, M-17 Indiana Memorial Union, Bloomington, Indiana 47405.
Alumni News

1963
Morris U. McKee, (Zoology), Optometrist, U.S. Army, Panama
Patricia R. Robertson, MA, (Bacteriology), Acupuncturist, Goleta, CA

1964
James R. Coleman, PhD, (Botany), Universidade Estadual Paulista, Sao Paulo, Brazil
Donald A. Dian, MD, (Bacteriology), Blufton, IN
William Eshbaugh, PhD, (Botany), Program Director, Systematic Biology, N.S.F., Washington, DC
Phillip D. Godsey, MD, (Medical Sciences), Radiologist, Fort Wayne, IN
Albert B. Heard, MA, (Zoology), Dayton, OH
Norman Pace, PhD, (Bacteriology), Univ. of Colorado Med. Ctr., Nat’l Jewish Hosp. & Res. Ctr., Denver, CO
Faith Polay Russ, (Bacteriology), Interior Decorator, Chicago, IL

1965
Stephen D. Allen, MD, (Bacteriology), Assoc. Prof. of Pathology, Assoc. Dir., IU Med. Ctr., Div. of Clinical Microbiology, Indianapolis, IN
Daniel R. Pavelich, (Zoology), Owner, Pancho’s Villa Restaurant, Bloomington, IN
Lou Klingenb Woland, (Biology), Medford, OR

1966
Pat and S. Kent Brown, (Bacteriology), IBM, Poughkeepsie, NY
William M. Gilkison, MD, (Medical Sciences), Indianapolis, IN

1967
Paul D. Baker, MD, (Zoology), Ossian, IN
Gary Husted, (Microbiology), Univ. of Vermont, Micro/’Biochemistry Dept., Burlington, VT
Thomas J. Leonard, PhD, (Botany), Univ. of Wisconsin, Madison, WI
Dorothy A. Stroup, PhD, (Botany), Washington, DC
Charles F. Thompson, PhD, (Zoology), Bloomington, IN

1968
Judith A. Dills, PhD, (Zoology), Liberty, MO
Hud Freeze, PhD, (Microbiology), San Diego, CA
Richard L. Shepherd, MD, (Zoology), Oak Park, IL

1969
Richard and Jessica Barrett, (Zoology), Castro Village, CA
Abraham Hsieh, PhD, (Microbiology), Oak Ridge Nat’l Lab., Biology Dept., Oak Ridge, TN
Nancy Lamm, (Microbiology), Indianapolis, IN

1970
James Hallagan, (Biology), Microbiologist, Bloomington Hospital, Bloomington, IN
Stanley R. Hamilton, (Zoology), Assist. Prof. of Pathology, Johns Hopkins Sch. of

1971
Jack C. Blackstone, Jr., MD, (Zoology), Owensboro, KY
Chris Botos, (Biology), Arlington, ME
Sandra (Yankwich) Capps, (Biology), Burroughs Wellcome Co., Greensville, NC
Kathleen Hain, MD, (Microbiology), Upland, CA
Philip J. Kline, MD, (Biology), Evansville, IN
Jane (Morrison) Krauss, MA, (Zoology), Space Scientist, Northrop Serv., Inc., League City, TX
Michael H. Schatzlein, MD, (Biology), Surgeon, Fort Wayne, IN
Patricia R. Tate, MD, (Biology), New Albany, IN
Carol S. Thompson, (Zoology), Indianapolis, IN

1972
Bruce Chaille, DVM, (Biology), Anderson, IN
Jeffrey Davidson, PhD, (Biology), Univ. of Colorado Med. Sch., Eleanor Roosevelt Inst. for Cancer Res., Denver, CO
Linda (Lincoln) Landin, MD, (Biology), St. Vincent’s Hosp., Internal Med., Indianapolis, IN
Ronald Landin, MD, (Biology), Cardiologist, St. Vincent’s Hosp., Indianapolis, IN
James J. New, (Biology), PhD candidate, Univ. of Notre Dame, South Bend, IN
Thomas Peck, MD, (Biology), Family Practice, Merrillville, WV
Jeanne Stange, MD, (Biology), Diagnostic Radiology, Slidell, LA
Gary C. Stolar, MD, (Biology), Radiology, Edina, MN
William G. Trolley, DDS, (Biology), Rochester, NY
Richard Weiss, PhD, (Microbiology), San Diego State Univ., Dept. of Bio., San Diego, CA
Larry R. Yoder, PhD, (Plant Sciences), Dir., Goshen Coll., Env. Learning Ctr., Goshen, IN

1973
C. Martin Bunke, MD, (Biology), Res. Fellow, Hypertension/Clinical Pharm., Board Certified in Nephrology, White Plains, NY
John Cornwell, (Biology), Pres., Scientific Prod., Lake Bluff, IL
Timothy E. Davis, MD, (Biology), Elkhart, IN
Florence Harrod Gardner, PhD, (Biology), Asst. Prof. Life Sciences, U. of Texas of Permian Basin, Odessa, TX
Philip Gardner, DDS, (Biology), Fort Wayne, IN
R. Daniel Grossman, MD, (Biology), Diseases and Surgery of the Eye, Bloomington, IN

1974
David Holajter, MD, (Biology), Psychiatric Practice, Evansville, IN
James J. Holloway, MD, (Biology), Postdoc Fellow, Johns Hopkins Sch. of Med., Baltimore, MD
Christine (Hilt) Holtz, (Biology), EPA, R & D, Annapolis, MD
Gary Keck, MA, (Microbiology), Microbiologist, Bloomington Hospital, Bloomington, IN
Peter Mars, (Biology), Guadalajara School of Medicine, Mexico
Carin M. Olson, MD, (Biology), Assist. Prof. of Emer. Med., Upstate Med. Ctr., Syracuse, NY
Gordon Siegel, (Biology), student, The Chicago Medical School, Chicago, IL
Craig Urban, MD, (Biology), Abilene, TX
Susan Vuke, (Biology), Montana Bureau of Mines and Geology, Butte, MT
Karen (Bowyer) Webb, MD, (Biology), St. Louis, MO

1975
David Dopp, (Biology), Options Market, N.Y.C., Dover, N.H.
Steven W. Dyer, (Microbiology), Loveland, OH
Jeffrey M. Hoeg, MD, (Biology), NIH, Research in cholesterol biosynthesis, Rockville, MD
Valerie (Pascuzzi) Jackson, MD, (Biology), Assist. Prof. of Radiology, IU Sch. of Med., Indianapolis, IN
James Laughlin, MD, (Biology), Pediatrician, Bloomington, IN
Robert Leff, MD, (Biology), Rheumatologist and Prof., Duluth, MN
Richard M. Levine, MD, (Biology), Bethesda, MD
Cora E. Musial, (Microbiology), PhD candidate, Univ. of Arizona, Tucson, AZ
Michael Orlowski, PhD, (Microbiology), Assoc. Prof. of Micro., Louisiana St. Univ., Baton Rouge, LA
Richard T. Root, (Microbiology), DuPont Inc., Wilmington, DE
Rob Steele, PhD, (Biology), Fred Hutchinson Cancer Res. Ctr., Seattle, WA
David Tabereaux, DDS, (Biology), Practicing Dentistry, Bloomington, IN
Ralph A. Matasala, (Biology, MAT 1980), Univ. of Texas Dental Sch., Houston, TX

1976
Barry Aprison, PhD, (Biology), Brandeis Univ. Dept. of Biology, Waltham, MA
Robert Brateman, MD, (Biology), Family Practice, Southfield, MI
Karl Deluga, MD, (Biology), Ann Arbor, MI
John Fifer, (Biology), PhD candidate, Colorado State Univ., Fort Collins, CO
William C. Graffeo, MD, (Biology), Chicago, IL
James A. Kindrka, (Microbiology), Microbiologist, Joseph Schlitz Brewing Co., Milwaukee, WI
Tom Misko, (Biology), PhD candidate, Johns Hopkins, Baltimore, MD
Rob Plunkett, MD, (Biology), Nashville, TN
Jay M. Spector, MD, (Biology), Private practice, Stansburg Park, UT
Mark Wise, (Biology), Eli Lilly, Indianapolis, IN
Susan Yount, (Biology), Shell Oil Company, Traverse City, MI
1976
Susan Brokaw, MD, (Biology), Pathologist, Detroit, MI
Mark R. Failla, PhD, (Microbiology), VPI, Dept. of Biochemistry, Blacksburg, VA
John H. & Carolyn (Wilhelm) Golbeck, PhD (Plant Sciences), RIAS, Martin Marietta Corp., Baltimore, MD
James E. Jacobs, DMD, (Biology), Assist. Prof., Univ. of Penn., Sch. of Dentistry, Philadelphia, PA
Howard B. Kessler, MD, (Biology), Radiologist, Univ. of Penn. Med. Sch., Philadelphia, PA
Diane Stoker Laux, (Biology), IBM, Mt. Kisco, NY
Nancy S. Mariotti, (Biology), Buchanan, MI
Karen Sherman, PhD, (Biology), Savannah River Research Station, Mountainside, NJ

1977
Becky A. Brown, (Biology), St. Louis, MO
Max Sobel, MD, (Biology), Indianapolis, IN

1978
Todd E. Clark, MD, (Biology), Pediatric Residency, IU Med. Ctr., Riley Hosp., Indianapolis, IN
Lynell Gardner, (Microbiology), Resident OB-GYN, Arkansas Tech. Univ., Dept. of Bio., Russellville, AK

1979
Nesli Baskoz, (Biology), Student, Northwestern Univ., Med. Sch., Chicago, IL
Jon Brateman, (Biology), MBA Program, Univ. of M., Ann Arbor, MI
Thomas T. Moench, PhD, (Microbiology), Seattle, WA
Nancy Louise Spear, (Microbiology), MA, Library Technical Assis., Southern Illinois Univ., Carbondale, IL
James S. Waldman, (Biology), Student, N.Y. Univ. Sch. of Med., New York, NY

First Annual Biology Alumni Day
Science stops for no sport! What is more logical than combining Homecoming and the First Annual Biology Alumni Day? We have arranged faculty presentations on the theory that nostalgia will overwhelm you and the thought of sitting in Jordan 124 again will be too strong to resist. Visit faculty and research facilities. Lunch will be an added attraction with predictable foods and libations. Tailgating is fun, but if you eat with us (at nominal cost) you won't need to bring anything from home, the food will be good, and the inebriate next to you may well be your former lab partner in DVA.

Remember, Homecoming Day, October 15th, coffee and doughnuts in Jordan's lobby. To reserve a place at lunch and give us an idea of numbers, call 1-812-335-3810 or write the department.

Robert Wallace, (Biology), Student, Cornell Veterinary School, Ithaca, NY
Dave Wims, (Biology), Biology Teacher, Whiteland Comm. High Sch., Indianapolis, IN

1980

1981
Robert Cinatl, (Microbiology), U.S. Army, Location Unknown
Mark Claerbout, (Microbiology), Microbiologist, Bloomington Hospital, Bloomington, IN
Sandra Cottingham, (Biology), PhD candidate, Rockefeller Univ., New York, NY
Mark Nolting, (Biology), Res. Tech., IU School of Medicine, Indianapolis, IN
Catherine Pfister, (Biology), Assist. Molecular Biologist, Abbott Laboratories, Reconvant DNA Dept., North Chicago, IL

1982
Michael Chase, (Microbiology), Microbiologist, NABI, Miami Lakes, FL

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.
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INDIANA UNIVERSITY ALUMNI ASSOCIATION
Indiana Memorial Union, M-17/Bloomington, Indiana 47405

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