Greetings!

Our graduate program figures prominently in this newsletter. The lead story describes two new federally-funded and highly competitive graduate training grants awarded to our faculty. Fifteen of our 55 graduate students are now supported on Training Grants, and another 11 have received competitive University Fellowships, an enviable support record. Our ecology and evolutionary biology students distinguished themselves extraordinarily last fall as they organized and hosted the 15th Annual Midwest Conference on Population Biology, to rave reviews.

Several faculty were honored in the past year for their teaching, advising and research. In this issue we highlight Gerald Summers, recipient of the 1994 Purple Chalk Award for excellence in teaching, and Billy Cumbie who received the 1994 Blue Chalk award for excellence in advising. In the next issue of the Alumni News we will profile Joel Maruniak, a 1995 Kemper Teaching Award winner, and Philip Jen, who received the 1995 Purple Chalk Award. In the research arena, Steve Alexander received a five year American Cancer Society Faculty Research Award to support his studies on the way in which cells respond to changes in their environment.

Our faculty continues to change as we welcome one new faculty member, Steve Nothwehr, and say farewell to an old friend, Dean Metter.

Finally, we close this issue with news of your fellow alumni. We hope you will drop us a note with news of your own.

Biological Sciences Alumni News
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Cover illustration: The south entrance of Lefevre Hall (opened in 1914).
Federal Agencies Boost 
the Division's Graduate Training Program

Our graduate program has grown in both size and quality after receiving the significant boost of two federally funded training grants last fall.

The Department of Energy, the National Science Foundation and the U.S. Department of Agriculture jointly awarded MU a training grant in plant biology, "Maize: Bridging Basic Biology and Biotechnology." This training program will provide 12 graduate students a comprehensive, multidisciplinary education in maize (corn) biology, covering genome organization, organelle biology, and crop plant productivity. Kathleen Newton, Director of Graduate Studies in the Division, spearheaded a group of thirteen faculty from four units (Tobias Baskin, Jim Birchler, Karen Cone, Don Miles, Kathleen Newton and John Walker from Biological Sciences; Dale Blevins, Bob Sharp and Guri Johal from Agronomy; Ed Coc, Larry Darrah and Mike McMullen from the USDA; and Roy Morris from Biochemistry) in the development of this interdisciplinary project. Innovative aspects of the program include a series of new, intensive three-week-long mini-course workshops, semianual retreats, visits to field stations and laboratories of participating seed and biotechnology companies, and selection of thesis research projects that incorporate approaches at multiple levels (e.g., cellular, organismal, population). Graduates of the program will have a unique combination of an in-depth and yet broad knowledge base and a set of practical experiences which will provide the versatility absolutely essential for success in tomorrow's interdisciplinary and collaborative research arena. One of the first two students selected for this training grant, Jay Thelen, is in Biological Sciences.

The U.S. Department of Education awarded the Division of Biological Sciences seven graduate fellowships in genetics, evolutionary biology and neurobiology under the Graduate Assistance in Areas of National Need program. This training grant builds upon existing programs in the Division designed to provide a talented pool of academic research scientists in those areas deemed most critical for the 21st century. Special components of this graduate training program include research "rotations" and special supervised teaching experience. In their research "rotations" students get first-hand experience with hypothesis development, experimental design, and the relevant technology in three different faculty research programs. While carefully supervised teaching experiences are an integrated part of the Division's regular PhD training program, they are especially important in this new training program which is designed to produce the academic research scholars who will be tomorrow's professors. Thus we have introduced new multi-level supervision, instruction in teaching techniques, and regular feedback on performance by professionals from the campus-wide Program for Excellence in Teaching. All seven of the graduate students on this training grant are in the Division (Shelley Ball, Christina Bridges, Yi-Wen Chen, Matt Parris, Mary Puterbaugh, José Antonio Sánchez, and Rob Speilbrink).

These two training grants, which provide total financial support in excess of $1.5 million, give a measure of the growing national recognition of the high quality of our doctoral graduate program and the faculty who serve as mentors.

Ed Coc, Kathy Newton and Jay Thelen examine stress-sensitive mutant strains of maize in the agronomy research greenhouse.
Steve Alexander Receives American Cancer Society Faculty Research Award for Basic Research on Cell Function

Professor Steve Alexander studies the fundamental mechanisms that control cell behavior in the cellular slime mold, a model research organism which is easy to grow in the laboratory, can be manipulated genetically, and yet functions essentially the same as cells in higher organisms, including humans. Starting with a single cell, Steve examines the regulation of how the cell divides, perceives changes in its environment, and then moves in response to those changes forming aggregates and then specific tissues and finally “progeny” to start the process over again.

Steve is convinced that basic research on slime molds will have broad applicability including the potential to lead directly to an understanding of the aberrant behavior of tumor cells. The American Cancer Society agreed and granted Steve a five-year Faculty Research Award. This highly competitive national award is presented to the very few researchers who demonstrate the greatest potential for contributing new basic knowledge of the inner workings of the cancer cell.

As a Developmental Biologist, Steve is interested in understanding how complex organisms containing thousands of different types of cells arise from a single cell (the fertilized egg). His lab works on three major processes that are common to the development of all multicellular organisms: 1) regulation of how genes are expressed at the right time and place; 2) the structure, assembly and function of glycoproteins; and 3) DNA repair.

Steve and his co-workers (including graduate and undergraduate students) have located and genetically characterized a set of regulatory genes that control the synthesis of an entire family of proteins. They have demonstrated that these proteins are intimately involved in the control of normal cell shape and motility, and are now working out the molecular mechanisms underlying these processes.

Steve’s lab is also investigating the biochemistry of a group of glycoproteins that function in the differentiation of cells into mature spores (the gametes of the slime mold). They are using genetic and molecular methods to dissect the assembly of the individual proteins into a multiprotein complex and the control of the secretion of the complex at a specific time in the life cycle.

Steve’s colleague and wife, Dr. Hannah Alexander, has cloned a gene involved in the repair of damaged DNA. In humans, a mutated form of this gene causes cancer (xeroderma pigmentosum) as well as birth defects. Steve and Hannah are capitalizing on the powerful molecular genetic techniques available in the slime mold to elucidate the functions that this, and other related DNA repair genes normally perform during development.

Basic research like Steve’s will often provide insights and solutions to practical problems, like cancer and other diseases, in unexpected ways. These complicated diseases will only be solved once we understand the basic biology underlying them.
The Division Gives a Helping Hand at Christmas

For the third year in a row the Division of Biological Sciences staff, faculty and students have shown the true Christmas spirit by “adopting” families through the Voluntary Action Center, a United Way agency that identifies and helps needy families in Mid-Missouri. When administrative assistant Pat Willis first contacted the VAC in 1992, she was told that groups adopting a family must provide at least one new toy or gift per family member, along with food for a holiday meal. We weren’t sure how much to expect in donations that first year, so Pat only signed the Division up for one family. The response was so great however, that we later adopted a second family that same year. In 1993 we adopted one large extended family of nine and in 1994 we adopted two families with a total of 9 parents and children. The Division was given a “wish list” from the two families—not a list of luxury items, but just basic necessities such as winter coats, towels and blankets. At the Divisional holiday party, a group of staff, faculty and family members wrapped the donations, including those necessities as well as extras such as toys, books and puzzles for the kids. Each of our adopted families received around 35 individual packages and $150 in cash for extra presents and a Christmas dinner. Pat spoke for everyone in the Division when she said, “Each year our donations have increased and hopefully we can add a third family next year. It’s wonderful to see so many people with generous hearts towards those who are less fortunate.”

DBS Graduate Students Host Population Biology Conference

The Annual Midwest Conference on Population Biology was hosted for the first time by the University of Missouri-Columbia, November 4-6, 1994. This regional meeting, now in its 15th year, provides a forum for students and professionals from around the Midwest to exchange ideas in many areas of population biology including genetics, ecology, evolution and behavior. This year’s symposium was unique in that it was organized and run by the graduate students of the Division of Biological Sciences. Anthony Ippolito and Kim McCue-Harvey, both students of Dr. Tim Holtsford, headed the organizing committee which included other MU graduate students in ecology, evolution, and other fields.

The conference was attended by over 130 students and professionals, representing 25 institutions in the Midwest and Canada. The meeting weekend kicked off with an informal reception Friday night for the invited speakers and attendees at the Flat Branch Pub and Brewing Company. Regular conference sessions on Saturday and Sunday included eleven 30-minute talks by invited speakers from around the Midwest and an open poster session for students and other professionals. Two of our newest faculty members, Ray Semlitsch and Lee Dugatkin, gave presentations at the conference. The conference included a Saturday evening banquet, followed by a keynote address by Dr. Hugh Ilitis, a well-known maize researcher and champion of the cause of biodiversity. Dr. Ilitis’ gave a rousing account of “The Sierra de Manantlan Biosphere Reserve in Western Mexico:...
Passing the Torch

After 30 years at MU, Professor Dean Metter retired last August. Until his health limited his research field work, Dean had published 30 research articles on variation and divergence in populations of amphibians and reptiles. He contributed the Amphibia section for Encyclopedia Americana and was a featured speaker (“Natural Selection and Adaptive Resemblance”) at the Stadler Symposium.

For the past several years, Dean Shouldered more than his share of teaching, offering Herpetology every year and Comparative Anatomy twice a year. And when we needed the extra help, he also taught Zoology. He developed a reputation as a tough but fair instructor, and that’s a pretty high accolade. Comparative Anatomy, a “must” for pre-meds which at its peak drew over 120 students per year, will forever remain synonymous with Professor Metter. Much as he enjoyed the structure-function discussions in Comparative Anatomy however, Dean’s love was really Herpetology in which he led weekend field trips to the Ozarks so that his students could see and really understand herps in their natural habitat.

His deep appreciation of the variety in the Animal Kingdom, and his desire to share that wonder with others, led Dean to develop the Live Reptile and Amphibian Exhibit in Stewart Hall. Called “the snake room” by hundreds of school children who visited each year, the exhibit includes salamanders, turtles, spiders and fish in addition to over 12 species of snakes. The Exhibit remains an outstanding example of both a teaching resource for MU students and an outreach resource for the surrounding community.

Dean remains in Columbia with his wife, enjoying his retirement and the extra time it has brought for fishing and trips to the Ozarks.

We are delighted to welcome Assistant Professor Steven Nothwehr to MU. Steve received his BS in Agricultural Biochemistry from Iowa State University and his PhD in Molecular Biology from Washington University in St. Louis. His doctoral thesis described structural and functional characteristics of the signal peptides involved in the targeting of intracellular proteins to the endoplasmic reticulum. That work led to eight publications and the Gerty T. Cori Outstanding Graduate Student Award.

As an American Cancer Society Postdoctoral Fellow with Tom Stevens at the University of Oregon, Steve continued his interest in the intracellular sorting of newly synthesized proteins, focusing on sorting in the protein secretory pathway in yeast. Proper protein sorting is critical for the function of intracellular organelles in all organisms (e.g., several human diseases—like cystic fibrosis—arise as defects in the sorting of membrane proteins). Yeast is an ideal model organism in which to study sorting because of the powerful genetics already developed in that eukaryote. Steve rapidly became an expert in yeast molecular genetics and cell biology and identified several important features of the structure of Golgi membrane proteins that specify their retention within that organelle.

Steve arrived in mid-February, and is expanding his research program on the biogenesis and maintenance of eukaryotic cellular organelles. Steve also comes with impressive teaching credentials. As a graduate student and postdoctoral fellow he has taught study sections, given lectures in undergraduate cellular and molecular biology, and served as a research mentor for both undergraduate and graduate students. He will teach Cell Biology, Genetics, and a graduate course in eukaryotic organelle biogenesis.
The College of Arts & Science Student Government presented its 1994 Blue Chalk Award for Distinguished Advising to Professor Billy Cumbie and its 1994 Purple Chalk Award for Distinguished Teaching to Associate Professor Gerald Summers.

Professor Billy Cumbie has served as Director of Undergraduate Studies in the Division since 1991. In that capacity he organizes the Division’s renowned Summer Welcome program for incoming freshmen; last summer he personally advised over 100 of our 250 entering freshmen. He also advises all transfer students, a Herculean task considering both the multitude of regulations and the almost infinite variety of institutions from which these students arrive. This year, with the academic coordinator on leave, Professor Cumbie assumed responsibility for our Undergraduate Advising Office, and it has operated without missing a beat. Finally, he has always placed himself on-call at any time for any student who needs help with registration, courses, or career planning. Professor Cumbie is widely known across campus as a wise, distinguished and truly caring adviser.

Associate Professor Gerald Summers has refused in the past to allow himself to be nominated for any teaching award. Finally, his students did it without asking him and with a totally predictable result, he got the award. Professor Summers is in charge of the design and operation of all our laboratories in introductory biology. In addition, he has taught the lecture component of introductory biology for both science majors and non-majors, as well as Evolution, Speciation, and Invertebrate Zoology (the latter offered as a Writing Intensive course last fall). The students in every one of these courses rated Professor Summers very good to excellent. That rating is especially remarkable considering the audiences spanned the whole spectrum from initially bored humanities majors (Introductory Biology) to highly competitive pre-medical students (Evolution). Professor Summers has carried involvement in instruction to a new level. In addition to direct instruction in the classroom and laboratory, he is the Division’s Associate Director for Instruction, the chair of the Campus Writing Board, and a recent past-President of the College Section of the National Association of Biology Teachers.

It is especially fitting that both of these awards were initiated by students.
News from Alumni

1930–39

Dr. E. Sue Lumb (AB, botany, 1939; BS, education, 1941; MA, zoology, 1941; PhD, Washington University, St. Louis) passed away last year. Sue was a professor of biology at Vassar College, where she received the Distinguished Professor of Biology Award. After retirement, she returned to Columbia. She was a great friend and supporter of the University.

Frank R. Dexheimer (AB/BS, biology, 1949; MD, University of Pennsylvania, 1952) has been a self-employed general surgeon in Columbia for more than 30 years. He is a diplomat of the American Board of Surgery and the American College of Surgeons. He served with the U.S. Navy during the Korean War.

1940–49

Arthur M. Finley (BS, agriculture, 1941; MA, botany 1948; PhD, botany, 1950) was head of the Department of Plant Sciences at the University of Idaho from 1955–71. Arthur was a consultant to the Ministerio de Agricultura, a visiting professor in plant pathology at the Universidade de Viçosa, and Director Projeto Federal de Feijão in Brazil from 1974–76. He retired from the University of Idaho in 1981 and still resides in Moscow, Idaho.

John R. Stafford (AB, zoology, 1944; BS, medicine, 1944; MD, Long Island College of Medicine, 1946) was chief of pathology with the U.S. Army in the Philippines from 1948–49. John retired in 1988 after 20 years as a pathologist in Colorado and Southern California.

Lon B. Klink (AB, zoology, 1948; BS, medicine, 1949; MD, University of Cincinnati, 1951) was chief resident of pediatrics at St. Louis City Hospital, associate professor of pediatrics at the Univ. of Southern California, and from 1957–94 was in private pediatric and adolescent practice in Covina, Calif. Lon, who is past president of the Covina Rotary Club and director of the Chamber of Commerce, was awarded a Life Credential for Teaching (specialization in health) by the State of California. He is an elder in the Covina Presbyterian Church.

1950–59

Norman R. Wall (AB, zoology, 1956; MD, 1960) was a U.S. Navy physician from 1959–79. He is co-owner of Plastic Surgery Clinic of Springfield, Mo., and associate professor of plastic surgery at MU Medical School.

1960–69

George Lutman (AB, biology, 1961; MD, 1965) is a pathologist with Cape Fear Valley Hospital in Fayetteville, NC.

Wallace McDonald (BS, pre-med, 1963; MD, University of Pennsylvania, 1966) is in solo private practice in general internal medicine. He and his wife, Peggy, have two teenage children, Jamie and Betsy.

Brent Scott (AB, zoology, 1963) was a laboratory supervisor at the U.S. Public Health Service. He is now self-employed as a biologist and does prairie restoration on his farm.

Barbara (Brewen) Richerson (AB, zoology, 1965; MA, zoology, 1968) is assistant director and student publications advisor for the news and publications department at Sul Ross State University, Alpine, Texas. She was a Texas Intercollegiate Press Association Adviser of the Year in 1989, received the Bar SR Bar Employee Excellence Award in 1990 and was listed as a woman of Distinction by the Girl Scouts in 1992. Barbara and Jim reared an adopted Canadian daughter who now teaches biology in a Carlsbad, N.M. junior-high school.

Jim V. Richerson (AB, botany, 1965; PhD, biology, Simon Fraser University, 1972) is a professor of biology at Sul Ross State University, Alpine, Texas. Jim plays the French horn and trumpet in college musicals and serves as a consultant in the establishment of a Natural Resources Center at Al-Ifrane University, Morocco.

Richard Ramey Vance (AB, zoology, 1966; PhD, University of Washington, 1971) is an associate professor at UCLA.

Kenneth F. Scott, Jr. (AB, biology 1969; MD, 1972) is in private family practice with the Clinton Medical Doctor’s Clinic in Clinton, MO. He has been Henry County coroner, a member of the executive board of the Heart of America Council Boy Scouts, and team physician for the Clinton High School football, basketball and baseball teams. In 1990–91 he was president of the Missouri Academy of Family Physicians.

1970–79

David A. Fleming (BA, zoology, 1970; MA, microbiology, 1972; MD, 1976) became an associate professor of medicine at MU last September. He was in the practice of internal medicine at the University from 1980–94. He received the Young Internist of the Year award in 1986 from the Missouri Society of Internal Medicine.

Leland D. Loose (PhD, zoology, 1970) is associate director of clinical research at Pfizer Inc. in Norwich, Conn.
Patrick E. Piercy (AB, zoology, 1971; MS, public health, 1972) is public health program coordinator in communicable disease control, Illinois Department of Public Health, Springfield, Ill.

Thomas D. Rucker, (BS, zoology, 1973; DDS, UM-Kansas City School of Dentistry, 1977) is in private practice (in general dentistry) in Savannah, Mo.

Gregory Olaf Ness (BA, zoology, 1974; MS, public health, 1976; BS, electrical engineering, California State University-Fullerton, 1985) has a certificate as a U.S. public health service physician's assistant. He is a field clinical engineer with Medtronic Inc. in Seattle, Wash.

Tim Barry (AB, biology, 1975; DDS, UM-Kansas City, 1980) is in private practice in Lathrop, Mo.

Marsha A. McLaughlin (MA, zoology, 1975; PhD, wildlife and fisheries sciences, Texas A&M University, 1979) former group leader in pharmacology at Houston Biotechnology Inc., is principal scientist/glaucoma research at Alcon Laboratories, Joshua, Texas. Marsha received the Alcon Technical Excellence Award in 1990. She has hiked the Grand Canyon and camped out two years chasing foxes in Trans-Pecos (Big Bend area), Texas.

Marcia Wolf (AB, microbiology, 1976; MS, PhD, microbiology, University of Illinois, 1982) is a research microbiologist in gastroenterology at the Walter Reed Army Institute of Research, Silver Springs, Md.

Randy D. Campbell (BA, biology, 1977) is director of research and development for Computer Support Corp. in Dallas, Texas.

Fred Murdock (AB, microbiology, 1978; MS, food science and nutrition, 1982; PhD, food science and nutrition, 1989) is an assistant professor of animal and food science at the University of Wisconsin-River Falls.

Paul W. Sletten (AB, biology, 1978; MD, 1982) completed a residency in family medicine and then accepted a permanent position in family medicine at the University of Minnesota Medical School. He lived in arctic Alaska for two and a half years in an Eskimo community as a family practice doctor in the Indian Health Service.

Bruce Kaplan (AB, biology, 1979; MD, 1983) is a staff physician (family practice) at the Carle Clinic in Champaign, Ill. He attended the 25th anniversary convention of Star Trek in Los Angeles in 1991.

Dr. Kenneth O. Schowengerdt, Jr. (AB, biology, 1979; MD, St. Louis University, 1984) completed a residency in pediatric cardiology at the Baylor College of Medicine and then was chief of pediatric services at Hill Air Force Base, Utah. Ken is now an assistant professor of pediatrics at Baylor College of Medicine with a specialty in pediatric cardiology and is attending physician on the Texas Children’s Hospital/Texas Heart Institute Pediatric Cardiac Transplant service. He is a fellow of the American Academy of Pediatrics and a member of the American Heart Association Council on Cardiovascular Disease in the Young.

Theresa Patrick Smith (AB, biology, 1979; MD, 1983) is a self-employed independent contractor, a consultant for the Merced County Department of Health and County Retirement Board, and the Medical Adviser for the Merced Medical Council, Merced, Calif.

1980–89

Douglas C. Gayou (MA, biology, 1980; PhD, biology, 1984) is an instructor in the Division of Biological Sciences at MU. In 1994 Doug was honored as one of only 10 MU teachers to be selected by their students for the 1994 edition of Who’s Who Among America’s Teachers.

Philip Kurt Robb (AB, biology, 1980; MD, 1985) completed a residency in otolaryngology at St. Luke’s Medical Center in Chicago and is now in private practice (ear, nose and throat surgery) in Atlanta, Ga. He and his wife, Suzanne, have a son and two daughters.

James Petzel (AB, microbiology, 1981; MS, PhD, microbiology, Iowa State University, 1989) is a research microbiologist in the fermentation department at Abbott Laboratories, Lake Villa, Ill.

Glenn Ashkanazi (BS, biology, 1982; PhD, psychology, Florida State University, 1990) is a senior rehabilitation neuropsychologist at the Meridian Point Rehabilitation Hospital, Scottsdale, Ariz.

J. Mark Beard (AB, biology, 1982; MD, 1986) is a clinical Instructor in Family Medicine at the University of Washington, Seattle. He received the Parke-Davis Teacher Development Award in 1989 and then traveled around the world in 8 1/2 months. He is married to Jennifer K. Elliott (BSW, MU, 1985).

David Braverman (AB, biology, 1982; MA and PhD, counselor education, University of Iowa, 1990) is assistant dean at the University of Richmond, Va. David has worked in sports radio, served as an executive for Sigma Tau Gamma, received the Ellsworth C. Dent Man of the Year Award and was named Outstanding Master’s Student in 1987.

Barry Walvoord (AB, biology, 1982; DDS, Baylor College of Dentistry, 1988; MS, orthodontics; University of Michi-
gan, 1991) is in private practice in orthodontics in the Chicago area.

Julie Burge (AB, biology, 1983; DVM, 1987) is owner of Burge Bird Services in Grandview, Mo. She owns more than 100 psittacine birds and has won honors for breeding and exhibiting, including a “best of show.”

Pamela Jean Garrett Cannell (BA, biology, 1983) is a grants & contracts specialist with the University of Texas Southwestern Medical Center, Dallas, Texas. She is a member of American Women in Science and the National Council of University Research Administrators.

John S. McFadden (BS, biology, 1983) was a captain/pilot with the U.S. Air Force Tactical Air Command. He flew single jet fighters in Europe for three years and is now an instructor pilot at EuroNATO Joint Jet Pilot Training.

Mary Turner (PhD, microbiology, 1983) went to the University of California as a postdoctoral fellow, taught at the University of Maryland for a year, and then returned to California to work with Lloyd Kozloff on ice nucleation proteins in bacteria. Mary is now a junior faculty member at the University of California - San Francisco studying the human papilloma virus role in anogenital cancer. She presented an invited lecture at the American Society for Cell biology meetings in December.

Matthew B. Short (AB, biology, 1984) is an aquatic biologist with the State of Illinois Environmental Protection Agency.

Stephen G. Spalding (AB, biology, 1984) is president of Talent/Spalding Advisory Corp. in Dallas, Texas.

Karen Delahaut (AB, biology, 1985; MS, integrated pest management, University of Wisconsin, 1989) is the nursery integrated pest management coordinator at the Univ. of Wisconsin.

Paul H. Thompson (AB, biology, 1986; MD, 1990) is a resident in anesthesiology at the University of Alabama-Birmingham. Paul is past president of the Arts and Science Student Government and a member of the QEBH honorary.

In Memorium

Dave Estervig (MS, Biology, 1980; PhD, Biology, 1986) died November 25, 1994 of non-Hodgkins lymphoma. Dave was an associate professor of biology at the University of Wisconsin–Eau Claire. The semester before he died, he had been chosen by the UW-EC Biology Club members as the “Outstanding Biology Professor of the Year.” This was the first time the award was given and, according to his wife Gail Upton, Dave was thrilled to receive it. Dave is survived by his wife and three children. Memorials may be sent to the “Friends of Dave Estervig” fund, in care of Darwin Wittrock, University of Wisconsin-Eau Claire Biology Department.

Dave was one of the really nice guys in this world—his students will miss him, and we will too.

Indra Cancienne (AB, biology, 1987) is a teacher in the Sacramento City Unified School District.

Richard Duane Anderson (MA, biology, 1988) is a 7th-grade science teacher at Rolla Middle School. He and his wife, Melissa (who is in nursing school in Rolla, Mo.), have two children.

Judie Kremer (AB, biology, 1988) completed her OD at the UM-St. Louis School of Optometry in 1993.

Shawn J. Brown (AB, biology, 1989) is a sales/training representative with Janssen Pharmaceuticals Inc. Shawn developed the national sales theme for Janssen in 1991 and 1992, and was the national sales leader for the first half of 1992.

Jeffrey L. Davolt (AB, biology, 1989) is a laboratory technologist with Home Office Reference Laboratories in Kansas City, Mo.

Mary F. (McCairel) Haskins (PhD, biology, 1989) is an assistant professor at Rockhurst College. She has led student field trips to the Dominican Republic, Florida and the Grand Canyon. Mary received an Eisenhower grant to cover expenses for 4 workshops for elementary and middle school teachers in 1993.

Cheri Landers (AB, biology, 1989) graduated from the MU School of Medicine in 1993.

1990–1995

Sybil Merrels (BS, biology, 1990) is a biological technician in aquatic toxicology with ABC Laboratories, Columbia, Mo.

Maryam Nouri (AB, biology, 1991), a third-year medical student at MU, spent the summer of 1994 practicing rural medicine with preceptor David Aumer (MD, 1979) of Ironton, Mo. as part of a National Health Corps Project.

Theresa Donovan (PhD, Biology, 1994) is a Postdoctoral Fellow for the North Central Forest Experiment Station, Columbia, MO. Terry’s work was featured in an article on “Conservation and coevolutionary implications of broad parasitism by cowbirds” in Trends in Ecology and Evolution, May 1994.
Tri-Beta

Tree Dedication Ceremony

The Mizzou chapter of Beta Beta Beta, the national biology honorary society, closed the 1993–94 academic year with a tree dedication ceremony in front of Tucker Hall. Two Douglas firs and six river birches were dedicated in memory of former biology faculty members David Dunn, Joseph Wood and Charles Gowans. These trees, purchased in large part by money donated by Tri-Beta from the proceeds of its annual sale, represent the first stage of a faculty memorial arbor. Similar plantings honoring other retired faculty are planned for Lefevre Hall.

*The 1993–94 and 1994–95 officers of Beta Beta Beta in front of one stand of river birches. From left: Matt Hlavacek, Quinton Heaton, Roshni Shukla, Jeff Demand, Matt Hosler, Scott Dunn, Mike Potts.*