

ABOUT THE ALUMNI

Death

We note with regret the death of Herbert Lipke, a 1953 Ph.D. who studied with Dr. Fraenkel and was a postdoctoral student with C. W. Kearns. At the time of his death on November 27, 1983, he was employed at the University of Massachusetts as a Professor of Biology. He was an excellent person.

Letters

Mohammad Abdullah, 16 New Park Court, Brixton Hill, London SW2 1HS, United Kingdom

I wish to inform you for your newsletter a recent book of mine: Darwin and Evolution from the point of view of a Muslim Scientist. Publishers: Diru Book Depot, 4160 Urdu Bazar, Jama Majid, Delhi 6, India.

John F. Anderson, Head, Department of Entomology, The Connecticut Agricultural Experiment Station, 123 Huntington Street, Box 1106, New Haven, Connecticut 06504

My family and I continue to live in Connecticut on the shores of Long Island Sound where I am Head of the Department of Entomology at The Connecticut Agricultural Experiment Station in New Haven. Research interests are varied and include ticks, spirochetes, rickettsiae, Babesia, forest defoliators, honeybees, pesticides, tabanids and houseflies. A considerable amount of my time is spent studying various aspects of Lyme disease. I am presently President of the Connecticut Tree Protective Association, a relatively large state organization devoted to the care and protection of trees. Within the past year, I received a Citation award from the International Society of Arboriculture, and a special award from the Connecticut Beekeepers Association.

Thomas E. Anderson, Boyce Thompson Institute for Plant Research at Cornell University, Tower Road, Ithaca, New York 14853

In May 1981, I completed my Ph.D. at North Carolina State University. My thesis research considered the population dynamics of the European corn borer in the coastal plain of North Carolina.

In June, I began work at the Boyce Thompson Institute at Cornell University, as an assistant entomologist. I am currently studying the use of entomopathogens in IPM systems, including pathogen-pesticide interactions. I am currently spending most of my time on the use of Beauveria bassiana for Colorado potato beetle management. In addition, I am engaged in a cooperative program with Merck, Sharp and Dohme Research Laboratories on the activity and the mode of action of avermectins, highly insecticidal natural products produced by the soil microorganism Streptomyces avermitilis.

On the personal side: Last February 7, 1983 my wife Susan (whom I met in INTSOY while at the U of I), gave birth to a daughter, Gwynneth Margaret. She's made me appreciate the value of a good night's sleep.

When I'm not in the lab or field plots, you can find me cross-country skiing in the winter, or sailing on Cayuga's waters in the summer.

James W. Apple, 6534 Casabella, Boca Raton, Florida 33433

I have been retired from the University of Wisconsin since 1977. We moved to Florida and now live a few miles from Dr. George Decker in Miami. My "professional activity" involves a few colonies of honey bees. I keep busy doing volunteer work in our Home Owners Association, Camino Woods, and managing two rental properties.

R. T. Bell, The University of Vermont, Department of Zoology, Marsh Life Science Building, Burlington, Vermont 05405-0086

My own recent activities are as follows: my wife and I have just completed the fourth (of five) parts of a revision of the Rhysodid beetles of the world. We are also working on a large collection of Carabidae which we made during a sabbatical in New Guinea in the spring of 1982.

Angel Berrios-Ortiz, Universidad de Puerto Rico en Mayaguez, Colegio de Agricultura Y Artes Mecanicas, Mayaguez, Puerto Rico 00708

It was a very nice surprise to hear from the Entomology Department once again. I thought I was one of the few interested in the whereabouts of fellow grads but it seems the crowd is much larger. I think the fact that we still care to hear about everyone else says very much about the tight friendships, the sense of belonging, the gratitude and the strong attachment that many of us feel towards the University of Illinois and the Entomology Department in particular.

For the past few years, I have devoted most of my time to teaching at the University of Puerto Rico. I have travelled to Colombia a couple of times and also keep doing some research. I consider myself very lucky to be able to go back to U of I now and then during summers.

Govindan Bhaskaran, Interim Director and Professor of Biology, Texas A & M University, Institute of Developmental Biology, College Station, Texas 77843

In my laboratory, we are continuing the studies on the regulation of corpus allatum activity in the last instar larva of the tobacco hornworm (Manduca sexta). Steve Sparagana, one of my graduate students, showed that the CA of wandering larvae and pupae are unable to synthesize JH because of the loss of JH acid methyltransferase activity. In vitro, these glands secrete considerable amounts of JH acid. Concurrent with the change in biosynthetic capacity of the CA, imaginal discs acquire the capacity to methylate JH acid and the JH made in the disc cells prevents precocious adult differentiation. A detailed study of JH acid methyltransferase in CA

and the discs and the mechanisms regulating the activity of this enzyme are in progress.

The rest of my time is devoted to teaching (Comparative Endocrinology in fall and Vertebrate Embryology in spring) and administration of the Institute of Developmental Biology.

Murray Blum, Department of Entomology, University of Georgia, Athens, Georgia 30602

Activities in the last three years include chemical ecological studies of ants in Spain. A joint meeting (U.S. - Taiwan) on Chemical Ecology in Taiwan with a side trip to Hong Kong and lots of ant digs in Thailand after that.

The "Big" news is an exchange program in entomology between the University of Paris and the University of Georgia which I just closed out in Paris on behalf of my school. In finalizing the exchange, I decided to start things out by exchanging myself! We now have an apartment in Paris and plan to stay till March 1985. I have been appointed a Visiting Associate Professor at the University of Paris (VI) (Pierre and Marie Curie University) and will give some lectures in Chemical Ecology - in French, mon dieu! Will do research on ant-derived natural products as insecticides and hopefully see a bit of France. It should be great fun.

U. Eugene Brady, The University of Georgia, Department of Entomology, Athens Georgia 30602

Research at the University of Georgia since 1965 has involved insecticide toxicology and pheromones in stored product insects. More recently, I have been working with prostaglandins and related lipids. The role of these compounds in insecticide action is my current research interest. I enjoy consulting for the family pest control business which is operated by my two sons and my wife, Bobbie. Our grandson is four years old. Hiking on the Appalachian Trail is a favorite activity. Maine by 1995!

William R. Campbell, Ciba-Geigy, Agricultural Division, P. O. Box 18300, Greensboro, North Carolina 27419

In 1975, I moved from the Vero Beach, Florida, facility of CIBA-GEIGY to the Greensboro, North Carolina, facility. I also changed jobs. My current position, entitled Staff Toxicologist, has the responsibility of ensuring the safety of our products. Most of the evaluation studies I am responsible for occur prior to registration, but some, particularly with humans, are conducted after registration. I became board certified in Toxicology in 1979, but I am still not quite sure what this means.

Stanley D. Carlson, Professor, University of Wisconsin-Madison, Department of Entomology, 237 Russell Laboratories, 1630 Linden Drive, Madison, Wisconsin 53706

Soon it will be 13 years since I left Urbana with a U-Haul trailer bound for Madison. After a decent interval I made full professor and am responsible for teaching sensory physiology and insect morphology. As to research, we've recently published some excessively long treatises on insect glial cells - their ultrastructure and membrane specializations. We don't apologize for this seeming excess because for over half a century glial cells were nearly anonymous. We were also able to "drive" photoreception cells and see the "holes" in the membrane from exocytoses of neurotransmitter. Everybody "knew" photoreceptor cells did this kind of thing but no one had seen them do it before.

As to personal news, being married to Dr. Chi (who has more University degrees than I do) has paid off in my acquiring (siring) a daughter, now six years old. May is a delight. Chi took her Ph.D. in Neurosciences and a second M.S. in computer science (from UW-Madison). She is employed by Nicolet Biomedical Instrument Co., doing the software for evoked potential instrumentation. She cooks, I clean. And that's the news that's fit to print.

Franklin Chang, University of Hawaii at Manoa, Department of Entomology, 3050 Maile Way, Room 310, Honolulu, Hawaii 96822

Greetings! I am presently on the faculty of the Entomology Department at the University of Hawaii in Manoa and hold a joint appointment as researcher with the Hawaii Institute of Tropical Agriculture and Human Resources (HITAHR). I teach graduate level Insect Physiology as well as an undergraduate course in Insect Morphology. For the last several years, most of my research efforts have been directed toward evaluating a special group of chemical compounds for potential use as antiphorenone agents and chemosterilants against the Mediterranean fruit fly, Ceratitidis capitata. My other areas of interest include hormonal regulation of pigment formation.

Although it has been nearly 15 years, I have not forgotten the many fond memories as one of Stan Friedman's grad students, and the many experiences I shared with fellow grad students during that period.

Andrew C. Chen, 1101 Merry Oaks Drive, College Station, Texas 77840

A lot has happened in the past three years. First of all, I joined one of the world's largest organizations, the U.S. government, in August, 1982. Specifically, I am at the Veterinary Toxicology and Entomology Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, in College Station, TX, home of the Texas Aggies. (I hate to mention this fact because personally I not too terribly proud of being around the Aggies, but people might not find College Station on the map if I failed to mention this.) I am involved in research on the hormonal control of homeostasis in livestock insects, the stable fly in particular.

I manage to find time on weekends to cultivate my personal hobby, fine woodworking. I have built several pieces of furniture around the house and my ultimate goal is to furnish my entire house with my hand-made furniture.

Soon after I settled down, my wife Pat started working with Max Summers, one of the world's leading entomologists (at least on the basis of funding). The only non-business travel she and I have done in the past 5 years was a trip back to Taiwan this past winter. We spent 3 weeks with our folks, the first time in seven and half years. It turned out to be a very nice visit. I got a lot accomplished, even managing to give two seminars, one at my alma mater, Fu-Jen University, the other at Academia Sinica.

Ron Cherry, E.R.E.C., P. O. Drawer A, Belle Glade, Florida 33430

After graduation in 1976, I went to the citrus blackfly program in Fort Lauderdale, Florida, working there until 1979 when the program was completed. From 1979 to 1981, I was involved in alligator (i.e. big reptile) control and biology in south Florida. Since 1982, I have been working as an entomologist at Belle Glade, Florida on sugarcane and rice insects at the Everglades Research and Education Center (IFAS). Tomorrow (6-28-84), I will be going diving for several days in the Florida Keys on my boat with friends. As you see, from my midwest origins, I have evolved into a total tropical animal including the "laid-back" tropical mentality.

Eddie H. and Li-Chun Chio, Lilly Research Laboratories, Greenfield Laboratories, P.O. Box 708, Greenfield, Indiana 46140

In the past few years Li-Chun has been working as Department Head of Domestic Engineering in the "House of Chio". Besides our two kids (Lora, 7 and Eugene, 4) we have three nieces - all teenagers - staying with us. These new additions make us appreciate "The Waltons" and "Eight is Enough" very much.

Between dropping off and picking up kids, Li-Chun managed to be interviewed last year by reporters from the Indianapolis Star and showed them how to prepare Chinese food. She also has been invited by several clubs to demonstrate Chinese cooking in the Indianapolis area in the past few years.

Working in private industry, I have learned to be an insect exoskeleton - tough but flexible. My research is still focused on R&D of novel insecticides. Up to now, I have two papers concerning insect growth regulators.

This coming June I have been invited to a convention for the Chinese scientific community for the Midwest Region in Chicago and to chair a technical session entitled "Development of Agricultural, Forestry and Marine Resources".

Robert W. Clegern, Lt. Col., USAF, Department of Defense, Armed Forces Pest Management Board, Forest Glen Section, WRAMC, Washington, D.C. 20307

We finished a four-year tour in Europe, where I was fortunate enough to be the Air Force Command Entomologist. In actuality, my duties covered almost anything biological in Europe and the Middle East, so I was spread a bit thin. But great experience! From there we moved to Washington, DC, where for two years I have been the Air Force representative on the Armed Forces Pest Management Board. We push a lot of paper, but also have the primary policy/advisory role for entomology in the Department of Defense (DoD). It's interesting, and as they say in the military, the "opportunities" are never-ending. A few points of possible interest would include (1) (for industry) - we have the responsibility for approval of all pesticides and pest management equipment in the military supply system, (2) (for researchers) - we have an on-going research program within DoD and in conjunction with USDA, (3) (for teachers/extension) - DoD continues to expand its training and certification program - the first such federal program approved by EPA, (4) (for students) - we maintain close coordination with those officers in each of the military Departments who are responsible for the selection and assignment of entomologists, and (5) (for bibliophiles) - we have a fine computerized literature storage and retrieval system.

On the family side, vacations during the past few years have included a memorable trip through England, Wales and Scotland, some time at home in Texas, and a couple of weeks in Cape Cod and Connecticut last summer.

Joel R. Coats, Department of Entomology, Iowa State University, Ames, Iowa 50011

I am currently Associate Professor of Entomology at Iowa State University. I arrived here in 1978 after 2 years at the University of Guelph in Ontario. I teach Insecticide Toxicology and have also been involved in Seminar, Pest Management, and a special topics course in Resistance. My research program includes aspects of insect toxicology and environmental toxicology; I currently have 5 graduate students. I recently edited a book Insecticide Mode of Action (Academic Press), and I am now organizing an Interdepartmental Toxicology Major at the graduate level, spanning 11 departments in 4 colleges. I am involved in activities with the 3 kids but find some time to play and coach softball and play some golf and several racquet sports.

Susan Coats, 12 Insectary, Iowa State University, Ames, Iowa 50011

During the past three years I have been working on my Ph.D. in Entomology. I have completed the coursework and the preliminary examination and am currently conducting research on the western corn rootworm under the direction of Drs. Jon Tollefson and John Mutchmor. My research deals with the physiology and induction of migratory flight: changes and effects of ovariole development and effects of juvenile hormone and anti-juvenile hormone on migratory flight.

In addition, I have slowly been building a violet and houseplant business. A small (10' x 12') greenhouse on the back of our home provides a welcomed refuge for tired eyes and mind as well as being home to a vast array of exotic plants; orchids, violets, episcias, ferns, epiphytic cacti, and many other plants live in splendid harmony here.

Finally, I fill every other waking moment with the pleasure of parenting our three lovely, growing, vivacious children: Sarah is 9 years old and in 4th grade, Jesse is 7 years old and in 2nd grade, and the youngest, Aaron is 5 years old and in Transitional (all-day) Kindergarten.

Ed W. Cupp, Department of Entomology, Cornell University, Comstock Hall, Ithaca, New York 14853

Things are going well professionally. I spend a fair amount of time investigating the epidemiology of human onchocerciasis ("river blindness"; Robles' Disease) in the tropical rainforests of Liberia and in the mountains of Guatemala. By doing so, I've developed a healthy respect for the rigors of field work as well as the logistics and politics required for such endeavors in a foreign setting. At times, the variety and intensity of other arthropod-associated diseases in these countries can also be overwhelming. However, both places are veritable paradises for the medical entomologist!

In between helping Pan Am fill its seats, I've expanded my teaching from medical entomology to include medical parasitology. I was recently made a member of the Department of Preventive Medicine at the Cornell College of Veterinary Medicine. Along those lines, I helped revise a textbook entitled, "Clinical Parasitology", which just came off the presses. The senior author is Dr. Paul Beaver, an Illini alumnus from the '30s who was a student of Henry Baldwin Ward.

Enough of the usual professional chest-thumping. The really exciting news for me and my family is that my wife (Mary) will soon complete all the requirements for a Ph.D. degree in Nutritional Biochemistry. My daughters (Rachel, age 10; Eleanor, age 15) and I are quite proud and also greatly relieved after "housing a graduate student" for the past 4 1/2 years.

I would like to conclude by sending my warmest personal regards to the Entomology Faculty and my colleagues from the Department, and in particular to those students who passed through Morrill Hall during the 1965-69 era.

Paul A. Dahm, Department of Entomology, Iowa State University, Ames, Iowa 50011

I am working half-time, arranging departmental seminars, acting as state liaison with a national pesticide assessment program, and doing some writing.

David L. Denlinger, Department of Entomology, Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210

Ohio State continues to tolerate me as a faculty member. I've been entrusted with two courses in insect physiology and a few too many committee assignments. A great crew of graduate students and a couple postdocs are keeping my lab alive and well. We continue to devote much of our effort to insect diapause, but we're also excited by our recent discovery of estrogens and androgens in insects. What they're doing there is still a big mystery. Occasionally I get back to Africa to continue work on tsetse flies, and a palm tree on Barro Colorado Island that attracts an annual aggregation of over 70,000 endomychid beetles lures me to Panama periodically. My wife Judy and sons, Michael (12) and Jonathan (7), seem to be thriving in central Ohio. The beehive in our backyard is providing us with our sugar supplies, and we're still jogging around the neighborhood and entering an occasional race.

Jerry DeWitt, Extension Coordinator, Integrated Pest Management, Iowa State University, 105 Bessey Hall, Ames, Iowa 50011

I am presently a Professor of Entomology at Iowa State University in the Department of Entomology and serve as the Extension Coordinator of Integrated Pest Management.

Tobias F. Dirks, Dalton Junior College, Unit of University System, Dalton, Georgia 30720

I teach at Dalton Junior College and operate a pest-control company (Dirks Services). Five employees are now needed to keep everything reasonably under control. Judy works part-time as a medical technologist at the hospital in Dalton.

Our oldest son, Russell (23), has graduated from Auburn University with an Economics Degree. Clarke (22) is in Bozeman, MT where he can do plenty of trout fishing and big game hunting. He will continue his college career at Montana State University in the fall studying wildlife management. Lisa (20) is attending Auburn University majoring in marketing. Matthew (16) is a sophomore in high school.

I still maintain an interest in vespid wasps but have not done any formal research in years. If I ever get to the point where I can pursue one career instead of two, and can have facilities available, I would like to do some research. Now my main activity is to serve as a resource person in the community and write an occasional informative article for local consumption. A consuming interest in the last few years has been the observation of the European hornet (Vespa crabro), which has finally arrived here.

John L. Eaton, Department of Entomology, Virginia Polytechnic Institute, Blacksburg, Virginia 24060

My research interests continue to involve studies of moth ocelli and their function. Recent achievements include discovery of ocellar primordia in larvae and a method of producing anocillate moths for study. I have

also designed a microcomputer monitored actograph for moth flight activity studies. Peg continues to enjoy being a needlework shop proprietor. She is very involved in a national needlework marketing organization and frequently travels in the U.S. on business. Our children are close to leaving home. Scott lives in Richmond, VA. Marc will be a senior in high school and Kent will be a freshman in high school.

Gary Eertmoed, Chicago State University, Department of Biological Sciences, Ninety-Fifth Street at King Drive, Chicago, Illinois 60628

I am still at Chicago State University, teaching a variety of subjects (entomology, evolution, biometrics). There will be no more teaching summers, however. A summer home in Canada allows an annual escape to the real world. My research interests are still centered around psocid taxonomy. Research productivity has been on the increase this year since the Field Museum has provided me with an office and research space where I can retreat from the onslaught of telephones, memos and meetings. My daughter, Jeannine, is now a junior at Urbana; where do the years go?

David L. Evans, American University of Beirut, 380 Madison Avenue, New York, New York 10017

I have moved from my teaching post at the University of Maryland, Heidelberg, West Germany to a teaching and research position at the Department of Biology, American University of Beirut, Lebanon. I have several graduate students, two of whom are finishing this year (1984). The Mediterranean ecosystem of Lebanon is a constant source of inspiration and several research projects are underway: "Behavioral ecology of Palaemon elegans (Crustacea)"; "Defensive strategies of Caenocoris nerii (Lygaeidae)"; "Rhinocoris punctiventris: (Reduviidae) a sit-and wait predator", etc. One project has no name because the species involved is apparently new to science.

If the Lebanese political situation stabilizes next year, I will stay in Lebanon.

I have met a charming Lebanese woman (Henriette) and we are now married.

Mohammed Y. Farooqui, Department of Pathology, University of Texas, Galveston, Texas 77550

It has been about five years since I have left the University of Illinois. Since my dissertation research was in pesticide chemistry I pursued my career in environmental toxicology at the University of Texas Medical Branch at Galveston, TX. These last five years have really been very productive for me. Currently I am working as a postdoctoral research associate on a federal grant to my supervisor.

I am involved in various toxicological and metabolism studies on aliphatic nitriles. The objective of these studies is to understand the relationship between the specific toxicity of these chemicals and their biotransformation. They each have entirely different toxic effects.

Target organs for DMAPN (N,N dimethylaminopropionitrile) are kidneys and urinary bladder whereas PCN (propionitrile) causes stomach and duodenal ulcers. The research I am involved in is aimed at establishing the molecular mechanisms underlying the organ specific toxicity of these chemicals.

In summary, my research interests are mainly directed towards investigating the effects of environmental toxins and understanding the mechanism of toxicity using biochemical parameters involved.

Susan W. Fisher, Department of Entomology, 103 Botany and Zoology Building, 1735 Neil Avenue, Columbus, Ohio 43210-1220

Since departing Illinois with a degree in insecticide toxicology in May of 1981, I have moved on to Ohio State University as one of the untenured masses (read Asst. Professor) whose youthful years are now being offered in exchange for permanent residency. Oh yes, I also married Scott Fisher, my former Latin T.A., in September 1981. (Yes, I did get an A out of the class).

In the scientific realm, my progress at OSU has been slow to mature, but is now coming along. We are actively engaged in a variety of projects which include examining the environmental fate of aldicarb, predicting the fate of aquatic pollutants with computer models, analyzing the genetic basis of insecticide susceptibility in various strains of Tetranychus urticae, studying secondary modes of actions for carbamates in earthworms and general toxicity testing for nontarget species such as pillbugs and earthworms.

In addition to research, my teaching responsibilities at OSU have been diverse. My current responsibilities include the insect toxicology course, a general pesticides course and the biology course for "non-majors". I have also taught a pesticide law course, the basic biology course for majors and have participated in a general toxicology course which attempts to combine the faculty of 4 colleges.

On a more personal note, our farm continues to thrive. Last year saw the addition of various members of the ovine and porcine persuasion. The human population has also been inflated with the arrival of our son, Justin, on March 15, 1984. Thus, our household and careers are in a state of readjustment as we learn to cope with the myriad changes that having an infant in the house brings.

Frank W. Fisk, 916 W. New York Ave, Apt. 202, DeLand, Florida 32720

In the 8 years since retirement from Ohio State University, I've been continuing research on neotropical Blattaria. Last summer we sold our home and are now enjoying Florida living.

Roger Flattum, 2605 Marlboro, Modesto, California 95355

I joined the Biology Department, Winona State College, Winona, Minnesota, in 1967 and taught zoology, entomology and genetics for one year, followed by a year of post doctoral study in insect neuropharmacology

with Dan Shankland at Purdue. In September of 1969 I was hired by Shell Development Company as an entomologist to join a team to conduct exploratory research in insect neurobiology with the objective of discovering new chemicals for the control of insects. After seven years of research at the BSRC, Modesto, California, I was named Manager of the Entomology Department and simultaneously manager of the Plant Sciences Department. I held this position at Modesto for four years. During this period, we established field research stations, a Plant Growth Regulatory Group within the Plant Sciences and integrated basic with applied biological research.

This assignment was followed by a transfer to Houston, Texas and a three year tour of duty as Manager of R&D Coordination for agricultural chemicals. Currently, I'm back in Modesto as Manager of Agricultural Biotechnology. I've been in this new job for about a year. We are recruiting staff (molecular and cellular biologists) to complement existing staff in the search for new ways of controlling agricultural pests (insects, mites, nematodes and weeds) to enhance plant yield and to combat plant disease.

The family is fine! Jean has been very busy during our various moves. Chris, our daughter, is now seventeen, and plans to enroll at UC-Santa Cruz in 1985. Judson is also a teenager and will be in the eighth grade this fall. He is keen on sports right now, and has some size and ability.

Willard Fogal, Petawawa National Forestry Institute, Chalk River, Ontario, KOJ 1J0, Canada

I'm now working at the Petawawa National Forestry Institute and have been for the past 6 years. My research activities have focused on seed and cone insects on white spruce seed trees. These critters are very difficult to control but we've had some success with systemic chemicals applied to soil, injected into stems or sprayed onto foliage. We've also tested Beauveria bassiana as a possible biological control agent and are looking at pheromones as potential monitoring tools. I don't get many opportunities to do physiological research on insects; instead I spend a great deal of time thinking about the physiology of trees and have devoted some time to insect and disease resistance in cooperation with tree breeders and geneticists. The work is rewarding and interesting.

Rachel Galun, Department of Parasitology, Hebrew University Medical School, En Kerem, Jerusalem, Israel

From the mid 70's until 1982, I was head of the Department of Zoology at the Hebrew University in Jerusalem. Since then, I have maintained a position in Zoology and at the same time have been the Principal Investigator on a joint Israel-Egypt (Hebrew U. - Ain Shams U. Cairo) project dealing with arthropod borne diseases. My major research effort in the recent past has focused on the chemosensory basis of blood feeding in mosquitoes, ticks, tsetse flies, leeches, etc., and on nutritional studies on the medfly, Ceratitis capitata.

Early this year I came to the NIH in Bethesda on sabbatical. When I return to the Hebrew University in November, I shall be taking up a

position in the Department of Parasitology at the Medical School and continuing the above studies.

Francis Gardner, Department of Biology, Columbus, Georgia 31993-2399

I am completing my tenth year at Columbus College in Columbus, Georgia. I am in a Biology Department of nine faculty members with approximately 100 majors. We offer only a B.S. in Biology and are primarily a teaching institution, although a recent change in administration is more encouraging with regard to research activities. I've completely changed my interests to coincide with my teaching assignments in Animal Physiology and General Biology. Equipment and space limitations make research extremely difficult, but I've managed to conduct modest efforts which are aimed at assessing protocols for human performance analysis and exercise physiology. Unfortunately, I've found little time to do much with my favorite creatures - insects (especially P. americana). All in all I'm quite happy with my position here. I'm currently awaiting word from our Board of Regents for promotion to full Professor (institutional approval has been given). Last year I was given the Educator of the Year award by Student Government, having been nominated twice previously. I really enjoy the teaching and I'm happy that I'm also now having more opportunity to do research as well. This is a good opportunity to say hello to all of those that I've lost touch with and truly hope you're all doing well. If you're ever in Columbus, Georgia, give me a call.

I've also been actively combating "Scientific Creationism", but that's another story.

Edwin G. Gemrich II, Parasitology Research, The Upjohn Company, Kalamazoo, Michigan 49001

The years 1982 and 1983 brought major changes in the research management and structure at Upjohn following retirement and replacement of the Directors of both Pharmaceutical and Agricultural Research. Pesticide research was virtually eliminated in favor of programs directed at veterinary research. The Experimental Agricultural Sciences Unit to which I belonged was disbanded; personnel were then assigned to newly designated groups. I enjoyed my association with the EAS Unit having spent 3 years heading up a cooperative insecticide developmental project between Upjohn and Mitsubishi which resulted in EUP Registration in the United States.

I am now a member of Parasitology Research which has a moderate focus on the control of endo- and ectoparasitic insects. Still, I expect to be able to contribute to the program more in the traditional sense of improving their discovery research. I wish to reduce their historical emphasis on "utility" and integrate more chemistry with parasite and host biochemistry and physiology.

I have managed to enlist support for the development of an electrophysiological component in our Parasitology R&D program. Soon, I hope to be directing my attention to the pharmacological actions of

avermectin-like compounds on transmission at invertebrate inhibitory synaptic junctions.

On the lighter side, I am now a jogger. Fast, I am not. My trophy case is proof of that - - it's empty. Gardening still rates as a big plus with me. The only thing that gets me through the cold Michigan winters is the seed and nursery catalogs that begin arriving around Christmas - I know spring can't be far behind (5 months at most). Macho activities continue to include fishing and hunting, considered acceptable pursuits for not spending time with the family, as one is "saving on the wife's grocery bill." I try to sandwich the above activities between the myriad events a parent of teenage children is supposed to attend.

Henry E. Gray, 2812 Scott Street, Midland, Michigan 48640

I retired from The Dow Chemical Company in May 1982, after 29 years in R & D in the Agricultural Chemicals Department. For the last two years with Dow, I was Manager of Product Liability for the Department--truly an eye opener in human relations activities.

Since retiring I have done a limited amount, by choice, of consulting, but a great deal of traveling. I have remained active in entomological professional societies and maintained close contact with the Independent Telephone Industry.

I surely felt honored to receive two ARPE awards - "Outstanding Award in General Entomology" and "For Distinguished Service to Professional Entomology" at the Detroit meetings in 1983.

I will become President of the North Central Branch of ESA in March 1984. I am looking forward to this experience and the opportunity to continue being active in professional entomology.

Paul Gross, Department of Entomology, University of Maryland, College Park, Maryland 20904

I've been on a research "postdoc" here in the Entomology Department of the University of Maryland since I left Illinois in the summer of 1981. I've been fortunate to have had generous support from my supervisor, Pedro Barbosa, and a very friendly working environment. We've conducted several large scale field experiments concerning effects of background vegetation on parasitoid attack rates. In spare moments, I've worked on my Ph.D. thesis and will defend it this fall in Urbana. I'm looking forward to the visit.

Frank E. Guthrie, Department of Entomology, North Carolina State, Raleigh, North Carolina 27607

I am still holding forth at NC State University (since 1954). I'm teaching a combination of the old Kearns-Horsfall courses (an unlikely wedding). Also teach Insect Toxicology every other year and head up our training program in toxicology (not limited to insects).

My research is absorption of pesticides and transport of pesticides by insect and mammalian blood.

Recent "honors" (a real phoney can fool 'em all) include: The Governor's Gold Medal for Science, O. Max Gardner Award, NC Alumni Association Award, Society of Toxicology Award for Education.

My enemies will be pleased to learn that I now do nearly all my traveling in a little battery driven cart. My "friends" (?) will be pleased to hear it has been to Japan, Switzerland, and over much of the U.S.

Retirement? Hell, I'm only 61 and still have the old MARINE SPIRIT.

Suzanne V. Hart, 612 Ralph Drive, Raleigh, North Carolina 27610

Since 1980, I have been working with a soybean breeder at North Carolina State University, Raleigh, to develop soybean germplasm with resistance to corn earworm and Mexican bean beetle. We released 3 lines of insect-resistant germplasm to soybean breeders in 1983. The funding for my present position ends this April/May, so I am working on publications and looking for a new position.

Aside from work, I have been enjoying the mountains and ocean as well as the variety of flora and fauna in North Carolina.

Frank F. Hasbrouck, Curator of Insects, Department of Zoology, Arizona State University, Tempe, Arizona 85287

I started collecting insects in Peoria, Illinois, in 1930 and came to the University of Illinois in 1940. There, Metcalf & Flint were in their heyday. At the Department of Entomology besides Metcalf were Hayes, Balduf, Kearns, & Milum. Horsfall and Fraenkel were to come later. At the Survey, Ted Frison & Herb Ross were in charge of things. Also working with insects there were Barney Burks, Milt Sanderson, Gar Riegel, Katie Sommerman, Dolly Gloyd, and Lew Stannard, to name some of the old crew. My Ph.D. dissertation was done under Dr. W. V. Balduf - a systematic revision of the micro-moth family Acrolophidae.

Earlier this month I turned 64 and have now been semi-retired for 2 years. The University (Arizona State) has kept me on in a 49% capacity to curate the insect collection which I have now worked on for the past 22 years. The official collection is at the land grant institution at the University of Arizona in Tucson. The collection here is sort of a "wildcat" affair that contained perhaps 50,000 specimens when I first arrived in 1962. It now contains about 350,000 specimens thanks to a number of magnificent contributors headed by Dr. Mont A. Cazier. Those on the faculty who strongly supported entomology (Cazier, Herbert Stahnke, Gordon Bender, & Gordon Castle) have all retired (Castle has passed away) and have not been replaced with entomologists and the program has been pretty well phased out in favor of other areas of zoology currently more "popular". All we have left is the collection and one faculty member, an

ecologist, who teaches one or two service courses in entomology. I am presently working entirely alone in the collection.

J. David Hoffman, Mexican-American Screwworm Program, Apartado 544, Tuxtla Gutierrez, Chiapas, Mexico

I have been employed since December 1982 by USDA-APHIS-FS-VS as the Chief of Research and Experimental Development for the Mexican-American Screwworm Program.

I am now in my 24th year with USDA and don't visit Illinois much since both of my parents have passed away, but I still vividly remember my graduate days in Urbana during the mass removal of elms 1958-60. I have heard many kind words about our department over the years. Regards to my friends.

Harry Hoogstraal, Medical Zoology Department, NAMRU-3, FPO
New York, New York 09527

During the past three years my research activities have centered on the biosystematics of the Argas ticks of the world; virus infections of Argas and other ticks; the sensory setae associated with the Haller's organ of Argas and other ticks; the biosystematics of the Dermacentor ticks of the Oriental Region and of the Haemaphysalis and Hyalomma ticks of Ethiopian Region; the internal and external anatomy of the family Nuttalliellidae; the tick faunas of the Galapagos and Egypt (in preparation for monographs), etc. Other activities have included supervising research on tickborne relapsing fever epidemiology and on tick hormones and pheromones; supervising and acting as external examiner for M.S. and Ph.D. research at numerous universities around the world; preparing manuscripts for books on tropical medicine, veterinary medicine, Advances in Parasitology, Fauna of Saudi Arabia, Fauna of the Seychelles, etc., serving on editorial boards of 10 scientific journals, refereeing manuscripts for about 20 journals, etc.

Lou A. Jansky, 3305 S.W. 87th Avenue, Portland, Oregon 97225

I have had a private dental practice in Portland, Oregon and have been on the staff of the Oregon Health Science University for the past twenty years.

Donald R. Johnson, Entomologist Consultant, 1362 N. Decatur Rd., N.E., Atlanta, Georgia 30306

After 30 years of service with the U.S. Navy and the U.S. Public Health Service in vector borne disease control programs, I retired from the U.S. government in 1973. I've remained quite active, working as an entomologist consultant, with my office in my home. Usually I attend the meetings of the American Mosquito Control Association, Entomological Society of America, National Pest Control Association, and several other professional associations, in connection with my consultant activities.

Among other things, I am on the Advisory Board of the Pest Control Magazine, and do some training of international participants at the

University of South Carolina International Center for Public Health Research, located at the Wedge Plantation, McClellanville, SC. I have continued my association with the Agency for International Development, where I was on detail from USPHS for many years, now as an occasional consultant. Most recently I participated in the AID Malaria Strategy Workshop last June, to recommend future participation of the U.S. Government in international antimalaria programs. I also am a consultant to a large pesticide application equipment firm.

Kimberly Juhlin, 2 Wadsworth Street, Takaka, Nelson, New Zealand

I have forwarded your letter calling for news which arrived today, March 19, to my daughter, Kimberly Juhlin. Since it most likely would not be possible for her to receive the letter and reply within the time limit, the following in a quick sketch:

Two years ago, April 1982, she left Champaign on her bicycle -- five months and 4,000 miles later she flew to New Zealand -- she has been working with bees on the South Island.

James T. Kardatzke, USA Med. R&D Cmd., Attn: SGRD-PLE, Fort Detrick, Frederick, MD 21701

For the last few years, I have been assigned to the US Army Medical Research and Development Command. Prior to 1981 I was working in a laboratory on developing field survey and control equipment for Army preventive medicine units. Our best item was a modernized miniature mosquito light trap which is more efficient than the CDC trap in collecting and only has to be visited once a day for battery maintenance. Since May 1981 I have been doing staff work in the medical chemical defense program, primarily on the area of long range planning and budgeting. In June 1984 I will be returning to entomology when I am reassigned to area medical activity at Fort Knox, KY. Going with me will be my wife, Kay (nee Tabaka, a previous secretary of Dr. Luckmann), our 9 year old daughter Kathy, our 5 year old son Ken, and assorted cats and dogs.

Edwin W. King, P.O. Box 1382, Clemson, SC 29633

I retired from the Department of Entomology at Clemson University in 1982, after 25 years of teaching and research there. The teaching was 10 different courses in all, but mostly morphology and taxonomy. The research was mostly biomathematics, tapering off into such things as insects as food, and the rates of feeding of soybean caterpillars.

Somewhat before retirement, I began to put serious effort into biological illustration, and am now a hired pen (or pencil, or scratch-knife) for anyone who wishes my services. Some people have, and I have become a small business---notepaper, prints, originals, commissions. It's interesting, and mildly profitable. It's hard to say when its started, but certainly Pappy Hayes' two-year morphology marathon in 1947-9 provided a certain amount of practice.

Aside from this, there's little I can offer your newsletter. My life is printable, but hardly newsworthy. I'm blessed with good health, satisfactory and independent (2 ea.) children, an agreeable (1 ea.) wife, and most of the things sensible people are content to attain.

John M. Kingsolver, Research Entomologist, Systematic Entomology Laboratory, USDA c/o National Museum of Natural History, Washington, D.C. 20560

In response to your appeal for printable news items for your newsletter, I am still at the same old bench identifying beetles for the Department of Agriculture and trying to improve the classification of the seed beetles (Bruchidae). I have been concentrating for the past few years on bruchids associated with Prosopis, or mesquite, of the Western Hemisphere. This plant has become a rangeland pest in our southwestern states and in Paraguay and Argentina, and 3 or 4 species of bruchids are being tried out for possible biological control. I have worked on several other genera of bruchids that are now involved in biocontrol attempts.

I am fortunate to have one of the most representative bruchid collections in the world available to me, and enthusiastic support from research supervisors for my efforts in the field. I have about six years until I can retire from government service but I haven't decided yet whether I will keep on for a while or not. I certainly have enough projects lined up to carry me through another incarnation!

Kenneth L. Knight, North Carolina State University, School of Agriculture and Life Sciences, Department of Entomology, Box 5215, Raleigh, NC 27650

I retired September 30, 1980 from the position of Head, Department of Entomology, North Carolina State University. After a month's vacation at the coast in October, I filled in during November and December at the Council of Environmental Quality, executive Branch, U.S. Government, Washington, D.C. on a project to encourage the departments of the government to employ IPM philosophies and procedures in their control of pests on government properties and lands.

As with all entomologists of my acquaintance, time remains my most precious commodity. My service since 1981 as Secretary-Treasurer of the ESA has kept me most happily involved in the profession of entomology. Additionally at least a portion of most days is also entomologically involved in the revision of a Southeastern Asian group of mosquitoes in the genus Aedes. This is being done in conjunction with the Medical Entomology Project (U.S. Army supported) at the U.S. National Museum.

My wife, Ruth, continues her staunch but sometimes bewildered support of a retirement life style somewhat different from what she had been led to expect. Our 5 children are all living widely scattered existences of their own. Visiting and otherwise keeping track of them is rather a major task in itself.

Larry Krone, Environmental Health Director, State of Delaware, Wilmington, Delaware 19800

Jim Krysan, USDA Yakima Ag. Res. Lab., 3706 W. Nob Hill Blvd., Yakima, WN 98902

I actually have a bonafide excuse for procrastinating but we now know for sure. Effective Oct. 1, I will be at the USDA Yakima Ag. Res. Lab., 3706 W. Nob Hill Blvd., Yakima, WN 98902. Carole and I look forward to the northwest--we will be "following the children west", as both Pat and Maria are at Stanford; Damian will hold the ground in S.D. at the Med. School.

We are finishing an extensive and satisfying "biochemical taxonomy" of Diabrotica of the U.S. and recent studies on diapause in D. barberi have been exciting. The new assignment will remind me there are insects beyond the genus Diabrotica.

Robert E. Lewis, Iowa State University of Science and Technology, Department of Entomology, Ames, Iowa 50011

Things have been relatively peaceful since our brief brush with the Wall Street Journal and the Tonight Show back in May and June of 1982, and the ensuing clamor from people all over the United States with flea problems.

When my colleague Frans Smit retired from the British Museum (Natural History) in May of 1980, Mike and I decided to continue a newsletter which he had started in 1973. It is called FLEA NEWS and mainly concerns itself with current literature and news of workers all over the world. It runs about 18-20 pages per issue and we put it out twice a year. Mike does the literature part of it as a labor of love (no pay) and I handle the reviews, etc. It is sent out to about 175 people and institutions in about 40 countries.

Between FLEA NEWS, 4 graduate students, my classes in Insect Systematics and Immature Insects, 2 computers (one at home and one in the office), 2 greenhouses containing about 500 orchid plants, a half dozen committees and boards of directors and my Shrine parade unit, I have kept pretty busy the last few years. At least it relieves me of reporting something you couldn't print.

Richard L. Lipsey, Vice President, R & D, Kenco Chem. Corp, 10 W. Adams, Jacksonville, Florida 32202

- Organized the International Consortium of Pesticide Consultants, 1983.
- Started Kenco Consultants, 1983, specializing in pesticide accidents, spills, poisonings for Orkin, law firms and chemical companies.
- Developed 8 new products for Kenco Chemical Corp.
- Raise quarter horses and go to too many 4-H horse shows
- Dabble in Florida real estate.

J. Byron Lovell, Senior Research Entomologist, Insecticide Discovery, American Cyanamid Company, Agricultural Research Division, P.O. Box 400, Princeton, NJ 08540

Helen Louise and I have lived in Pennington, NJ, since Cyanamid moved their Agricultural Research to Princeton in 1961. Our two children have finished college, married, and fortunately are living within half-hour's drive. Helen Louise is very busy in volunteer work in the community as well as working a few mornings during the week for a Pennington physician.

I am still researching new chemicals for insect control and responsible for coordinating our cooperative research programs for Insecticide Discovery on a global basis. A few years ago, I was happy to have discovered AMDRO fire ant insecticide, MAXFORCE and COMBAT cockroach control systems which are now commercial products. My current research is in a novel area of chemistry which has a great potential to generate new insect control agents.

William H. Luckmann, State Natural History Survey Division, 172 Natural Resources Building, 607 E. Peabody Dr., Champaign, IL 61820

I plan to retire on August 31, 1984, as Head, Section of Economic Entomology, Illinois Natural History Survey; Head, Office of Agricultural Entomology, College of Agriculture; and Professor, Department of Entomology, School of Life Sciences, University of Illinois. I arrived on campus in June, 1949, and I can truthfully say that I have enjoyed all 35 years working in entomology in Illinois. It has been a very rewarding career. I am going to miss the friends and contacts I have in Illinois and other states. I plan to accept occasional short-term work assignments following retirement.

June and I like the out-of-doors and we have done considerable canoeing and camping in the midwest and in Canada. I am certain this will continue. Four of our 5 children are married and we have 10 grandchildren. My wife and I are in good health and we are looking forward to more leisure time.

Chris T. Maier, The Connecticut Agricultural Experiment Station, 123 Huntington Street, Box 1106, New Haven, Connecticut 06504

Much has changed since I last wrote a few lines in the newsletter. My wife, Marie, and I reside in North Guilford, Connecticut. Both of us work at the Connecticut Agricultural Experiment Station. Marie is employed by the Department of Plant Pathology, and I am employed by the Department of Entomology.

My research at the Station focuses on the applied ecology of pests of fruit trees and ornamental shrubs. Presently, I am investigating the phenology, development, distribution, natural enemies, and economic impact of two gracillariid leafminers that attack apple leaves. I have also completed studies in the biology of periodical cicadas, the parasitoids of apple maggot flies, and the reproductive success of two weevils. My favorite insects, the syrphid flies, have been neglected somewhat, but not

forgotten. I am now conducting a long-term study on the mating behavior of several mimetic species that defend territories near rotting logs in swamps. Along with entomologists from Yale University, the University of Connecticut, the U.S. Forest Service, and elsewhere, I help to assess the status of rare and endangered species that live in scarce habitats. These activities and others will keep me on the go tomorrow and for many years to come.

Ralph B. March, Department of Entomology, Division of Toxicology and Physiology, University of California, Riverside, CA 92521

As you may know, I retired as Department chairman last June (1983) and became an Emeritus Professor in September. So far it seems like the best of all worlds. I have remained active on a few graduate student research committees and both campus and University administrative committees. Currently, I have just started as a member of the management team negotiating the collective bargaining agreement with non-Senate instructional staff members. My retirement research plans are slowly falling into place with a rather major change of emphasis to working on instrumentational aspects of our biochemical systematics program including computer-instrument interfacing.

Robin and I also have rather extensive travel plans in the making. In September, we'll be spending our normal fly fishing vacation in Montana. I caught and released my personal record last year on the Big Horn - a 4 7/8 lb 23 inch rainbow. Then we are thinking about colonial Virginia in the spring and perhaps either fly fishing in New Zealand, China with a friend who has taught oriental history, or a month in the Alps later.

As you can see, retirement seems great so far with no difficulty in mixing a variety of activities--professional, educational and just fun.

Jose A. Mari Mutt, Entomology Research Laboratory, Department of Biology, University of Puerto Rico at Mayaguez, Faculty of Arts and Sciences, Mayaguez, P.R. 00708

Not much has changed in the past three years, I am still at the Entomology Research Laboratory of the Department of Biology. For a couple of years I have been associate professor and was given tenure last year.

I still work with Collembola. Early this year my paper number 40 was published and some eight are in press. One graduate student has finished her MS thesis under my guidance, and I have two others working on their theses right now.

John C. Marlin, Pollution Control Board, 104 W. University, Urbana, IL 61801

After graduation I continued working for conservation organizations on river preservation and transportation issues. In late 1983 I was appointed to the Illinois Pollution Control Board, which is a state regulatory and quasijudicial agency dealing with pollution regulations, cases against persons and companies accused of violating pollution regulations, and a

variety of other matters. The job is full time and will last until summer of 1986 unless I am reappointed.

Diane is working part time as a nutritionist and plans to teach at Parkland in the fall. We have a daughter named Katherine who was born in November. We spend a lot of time working on our old house on Nevada street and trying to keep our many brothers and sisters out of trouble with the local and University powers that be.

John W. Matteson, 270-2N-03, 3M Center, St. Paul, MN 55144

Came to 3M in 1967 to initiate an insect control program. After about 6 years the personnel from this program were transferred to research and development of herbicides and plant growth regulators where help was needed for some interesting chemical leads.

After 10 years of herbicide and PGR R & D, I am pleased to report that I will soon again function as an entomologist. The new position is with the Animal Care products Project of the Medical Products Division/3M and involves R & D of insecticides and repellents for use on animals.

Anna-marie and I have two boys and a girl who have managed to be in college concurrently. At least one will graduate this spring. Two of the three are statistics majors. This should give new meaning to the term heredity.

Mark A. Mayse, California State University, School of Agriculture & Home Economics, Department of Plant Science & Mechanized Agriculture, Fresno, CA 93700

In July 1981 I presented a talk at an Agricultural Ecology Workshop on the campus of UC, Berkeley. Of vastly greater significance than the workshop itself was my remarkably fortuitous introduction to the lady who was to become my wife.

We spend almost two years together in Arkansas (U of A, Fayetteville), enjoying the natural beauty of the Ozarks, but seriously looking for long-term career opportunities in the Golden State of California. Last summer our efforts were finally rewarded, and I accepted a position as Associate Professor in the department of Plant Science at California State University, Fresno.

My first year at CSUF has been a tremendous experience. Teaching responsibilities involve the field of integrated pest management, but include beekeeping and even plant nematology. Research activities focus on studies of applied insect ecology in grapes, alfalfa, and almonds. Ann enjoys her exciting role as manager of California's first indoor certified public farmers' market, located in downtown Fresno.

The year-round supply of fresh fruits and vegetables makes life in the San Joaquin Valley especially enjoyable. We're within 90 minutes of three national parks (Yosemite, Sequoia, Kings Canyon), and less than 4 hours

from San Francisco, Big Sur, and Los Angeles. Yet agriculture, a \$16 billion per year industry in California, is truly the heart of this unique area. We feel extremely fortunate to be where we are today, and we sincerely invite friends and acquaintances to come see us in Fresno.

J. Frank McAlpine, Biosystematics Research Institute, Agriculture Canada, Ottawa, Ontario, K1A 0C6

I'm still busily engaged on the taxonomy and classification of flies at the Biosystematics Research Institute, Agriculture Canada, Ottawa, but I am planning to retire after 35 years service about this time next year. I expect to continue my research as a Research Associate though.

The biggest and most satisfying accomplishment in the last three years was the completion of Vol. I of the manual of Nearctic Diptera which appeared in 1981. I am a contributor and general scientific editor of that work, and of course was delighted to see it in print and to find it was so well received. It was judged the best technical publication in Canada that year and also won a merit award at the International Competition in Boston. I am just now finishing up the second and final volume, and hope it is equally successful.

I received a severe shock to my body and spirit on Dec. 7 last--a quadruple coronary artery bypass. Thanks to my guardian angels' foresight, and a great group of doctors, I'm still around and making an excellent recovery.

My good wife Naomi is well and enjoying life. Three of our family are married and have produced four grandchildren, with more on the way. Our youngest boy is attending high school here and the second youngest is completing his second year at the University of Toronto's Faculty of Forestry. So, all things considered, life has been good to us.

H. Elliott McClure, 69 E. Loop Dr., Camarillo, Calif. 93010

It is unwise to ask a guy like me what he has been doing; he might tell you! As usual, there have been Board Meetings of Defenders of Wildlife to attend, usually in Washington, D.C. I manage to attend both meetings most years, but missed the spring meeting in 1983 due to being in Thailand at the time.

The year 1982 saw an unusual amount of travel, much of it accompanied by my wife Lucy. In June the Iowa Cooperative Wildlife Unit of Iowa State University had its 50th Anniversary, and I was one of 10 early participants in the unit to be honored. Then shortly thereafter, I spoke before the Fish and Wildlife Service hearing on 1982 game harvest regulations for upland migratory birds. I'm afraid it didn't do much good. Then in the fall, Lucy accompanied me to Tucson for the fall meeting of the Defenders of Wildlife.

There was just as much activity in 1983. The big event of the year was our 50th Wedding Anniversary, the big day being October first. Announcements were sent to over 225 friends and relatives, and 160

replied, filling two large albums. Earlier in the year, there was the Jean Delacour Symposium on breeding birds in captivity, in Los Angeles, a great success. And there was also a tour of the rain forests of Southeast Asia that I led for the Extension Service of UCLA, and a number of courses in bird appreciation that I have given. As you can judge, to accomplish all of these things and more, the McClures have remained in good health.

Mark S. McClure, The Connecticut Agricultural Experiment Station, 123 Huntington Street, Box 1106, New Haven, CT 06504

Since my departure from Illinois in 1975 I have been investigating the ecology and control of exotic scale insect pests at The Connecticut Agricultural Experiment Station. The red pine scale, Matsucoccus resinosae, and two hemlock scales, Fiorinia externa and Nuculaspis tsugae, all native to Japan are destructive pests of Pinus resinosa and Tsuga canadensis in the northeastern United States. My research has determined the effects of climate, host plant quality, competition, natural enemies and pesticides on the dynamics of scale populations.

In 1982 I visited the People's Republic of China as a member of the USDA Pest Management Delegation to study Matsucoccus matsumurae (probably the same as M. resinosae) which has been destroying Chinese pines since its introduction from Japan 40 years ago. In April of this year I will be taking a six-month sabbatical leave to Japan to study factors that regulate endemic populations of these scales and to search for biological control agents with potential for introduction into the United States. My wife Laura and our two sons, Jason (4 years) and Evan (8 months) will accompany me on this adventure.

J. E. McFarlane, Department of Entomology, Macdonald College of McGill University, 21111 Lakeshore Road, Ste. Anne de Bellevue, P.Q. Canada H9X 1C0

My first contribution in 29 years must mention that I am married, with three children, one of whom is a chemist, another a physiologist, and the third is still in school. I continue to do what all academics do: teach, sit on committees and try to find time to do research. Having worked largely on the physiology of the house cricket, I am now beginning to admit that other species of insects not only exist but are interesting as well - namely a variety of cockroaches and caterpillars.

T.J. Miller, Department of Entomology, Division of Toxicology and Physiology, Riverside, California 92521

I shepherded the Springer Series in Experimental Entomology through another several volumes: Functional Neuroanatomy, edited by N.J. Strusfeld; Measurement of Ion Transport and Metabolic Rates in Insects, edited by Tim Bradley and myself; and several others in press or being gathered.

I contributed a Circulation chapter and a Pharmacology chapter to the 13 volume Kerkut and Gilbert Treatise on Insect Physiology, Biochemistry and Pharmacology.

I have just submitted a major review on mode of action of pyrethroid insecticides to J.P. Leahey in England for a book on pyrethroid insecticides.

I spent a short sabbatical leave in Australia (November 1983-March 1984) consulting with the Australia Cotton Growers Research Association throughout New South Wales and Queensland about resistance to pyrethroid insecticides.

I was asked to join a U.S. Standing Committee on Neuroscience.

I organized a symposium for the 1984 Entomology Congress and was pleased to see Illinois colleagues at the Congress.

Thomas E. Moore, Museum of Zoology, Insect Division, The University of Michigan, Ann Arbor, MI 48109

I am still chasing cicadas and sound-production, changing a bit into interests on mechanisms of sound-production and hearing, and neural and muscle interactions. We just got new equipment for our Sound Lab. through an NSF grant, and I have been working increasingly with high speed (up to 5000 frames per second) cinematography and television on timbal action. In addition, I have gotten well underway with a nuclear DNA vs. mitochondrial DNA analysis of populations of 17-year and 13-year cicadas, having sampled adults and nymphs of three broods and outgroups in four species representing two other genera of cicadas. Both of our daughters are married; Debbie is an occupational therapist in New York City and Mindy is a firefighter for the City of Ann Arbor, Michigan, and manages our thoroughbred horse farm. Eleanore teaches third grade in the Ann Arbor public schools; we all shovel manure. When I have spare time I like to sail. I'm looking forward to spending some time again this fall in Franz Huber's Max-Planck-Institut near Munich, West Germany, on joint projects on cicadas. Next summer Franz plans to be in residence during the cicada season here in Michigan again.

Bob Morden, Department of Biology, University of Wisconsin-Superior, Superior, WI 54880

Hello To All From The Great Northwoods!

It is hard to believe that thirteen years have slipped by since attending the hallowed halls of Morrill Hall. There have been some changes in our life styles since then. Annette and I, who will be celebrating our twenty second wedding anniversary this year, are both teaching at the University of Wisconsin-Superior. Annette teaches mathematics and I am an associate professor in our Medical Technology program and am responsible for seven health courses in this area. I also have a 30% clinical faculty appointment with St. Luke's Hospital, Duluth, Minnesota. In addition I teach pathophysiology in our Nursing program. In 1978 I became both a

black belt in karate and a certified medical technologist and have been teaching in both areas since the. There are no health problems in the karate school and no discipline problems in our Med Tech program. Annette and I have three children, Kris 17, Shauna 13 and Dan 10.

Moufied A. Moussa, Insects Affecting Man Research Lab., P.O. Box 14565, Gainesville, FL 32604

The year 1983 was one of significant transitions in my private life and career. I was divorced and have since married Joan C. Fellinghaus. In August 83, we moved to Gainesville, Florida out of Washington, D.C. where I was the medical entomology consultant to the Army Surgeon General for almost six years.

At present, I serve the staff of the Armed Forces Pest Management Board as the Department of Defense Research Liaison Officer to the USDA. My office is at the Insects Affecting Man & Animals Research Laboratory here in Gainesville where I coordinate research projects conducted by USDA scientists on behalf of the Department of Defense.

This is not totally a desk job! I maintain a continuing dialogue with USDA and other scientists all over. I participate in field research and will soon go to Panama to evaluate repellents against malaria vectors in the jungles of central America.

Three more years remain in this tour of duty at Gainesville. The next move should be my last- while on active duty with the Army. Retirement is due in six years. Where to? That will depend on challenges that may become available then.... or sooner if the location and price is right!

Franklin C. Nelson, 22 St. David Drive, HCB, Toms River, NJ 08757

Time slips by so fast that it is hard to keep up on what goes on. We flew out to Brea, CA to visit our friends the Hutsons, formerly State Entomologist in Michigan. Our time has been spent in NJ and Florida about 6 months each. We are now moving back to NJ as home base as we have sold our Condo Apt. here. Two places were getting to be too much work and expense. We will rent if we come back another winter.

Our second oldest granddaughter is about to give us a new great grandson. We look forward to that event. We will also celebrate our 60th wedding anniversary in June. Most of our spare time is spent watching the Stock Market, which keeps our minds very alert.

We will move to NJ the 23rd of April, so please change our address as shown. Franklin C. and Inez I. Nelson, 22 st. David Drive, HCB, Toms River, NJ 08757.

I will enjoy seeing a newsletter. It has been a long time since I studied under Dr. Metcalf, Dr. Hayes, Dr. Balduf and Dr. Parks.

David C. Newton, Connecticut State University, Biological Sciences,
C.C.S.U. Copernicus Hall, Room 219, New Britain, CT 06050

I am currently the President of AAUP in the Connecticut State University, a system of about 1150 faculty on four campuses. As President I organize negotiations and enforcement of contract provisions as well as oversee the activities of our staff of three full-time employees. It is a position I would define as creating an environment where faculty can do their work more effectively. We use our contract as a vehicle to bring greater resources to the University than would otherwise be received. I am somewhat familiar with the national aspects of collective bargaining and look with interest on the situation in Illinois.

My teaching duties are somewhat reduced, but include teaching BASIC, Animal Behavior and a variety of introductory courses. I retain my research interest in hygienic behavior of honey bees.

I am pleased to report that my younger daughter, Gail, became a graduate student in Biochemistry at the University of Illinois this fall.

Herbert Nigg, Lake Alfred Area, University of Florida, Lake Alfred, FL
33850

I was promoted to Professor this year. My duties in Florida include the assessment of Exposure of Agricultural Labor to Pesticides and the Environmental Behavior of Pesticides. I also head an EPA National Pesticide Hazard Assessment Project. It seems that I get busier as the years go by, much busier than I was as a graduate student.

Gerald L. Nordin, University of Kentucky, College of Agriculture,
Department of Entomology, 2-225 Agricultural Science Bldg.-North (00916),
Lexington, Kentucky 40546

As you probably know, I have been with the Department of Entomology at the University of Kentucky since 1971. I hold a research-teaching position here with research specialization in the area of insect pathology and microbial control of forest and agronomic insect pests. I teach an undergraduate course in Forest Entomology every fall and a graduate level course in Insect Pathology every other spring. I have become involved during the last few years in research on entomophthoran fungi affecting the alfalfa weevil. Some of our work on these fungi (here at Kentucky) caught the eye of the National Academy of Sciences which prompted an invitation to participate in a joint U.S. - China National Academy of Sciences Symposium on Biological Control of Insects in Beijing, China in 1982. In 1983 I was promoted to the rank of Professor of Entomology. Summer plans for 1984 include 1) field research on the role of parasitoids in the transmission of nuclear polyhedrosis viruses and the importance of horizontal transmission in epizootic development in the colonial pest, Hyphantria cunea, 2) travel to Charleston, S.C. to moderate a session on Microbial Control of Forest Insects at the Southern Forest Insect Work Conference, and 3) to squeeze in some vacation time traveling and working on a log cabin that I built on a 10-acre tract near Lexington. Also dabbling in apiculture and Christmas tree production in my spare time.

Robert J. Novak, Department of Health and Human Services, Public Health Service, San Juan Laboratories, Center for Infectious Diseases, CDC, G.P.O. Box 4532, San Juan, Puerto Rico 00936

I have been working as a Research Entomologist for the Centers for Disease Control for the past 5 years. I have been stationed at the San Juan Laboratories, Dengue Research Branch for 2 years. My work here is involved with the genetics of vector competence of Aedes aegypti to all four dengue serotypes as well as the ecology and control of Ae. aegypti. We have recently identified a potential new vector of dengue in Puerto Rico, Ae. mideovittatus and are actively studying its ecology and vector ability in relation to virus transmission and transovarial transmission.

My wife Loraine teaches English at San Ignasio school to Spanish speaking students and is active at our Church as well as being a board member at the Guaynabo, Puerto Rico Parent Participation Pre-school. We have two children, Lisa, who just turned 6 and Karen, who is 3. Lisa is starting 1st grade and is a computer fiend and Karen will start pre-school this year. Both are becoming bilingual.

Jim K. Olson, Texas A & M University, Department of Entomology, College Station, TX 77843

I am now a Full Professor within the Department of Entomology at Texas A & M University where I continue to teach graduate and undergraduate courses in medical entomology. My research activities are currently centered around study of the bionomics of riceland mosquitoes as it pertains to the development of more efficient and effective survey and control strategies for the mosquito populations occurring in Texas wetland agricultural systems. In 1979 I assumed the directorship of a 5-state, 6 university consortium research project which is dealing with the nationwide problems associated with mosquitoes arising from riceland systems and their solutions. This project is scheduled to continue at least through 1985.

Otherwise, I was honored by being elected President of the American Mosquito Control Association (AMCA) in 1983 and recently presided over the annual meeting of this association in Toronto, Ontario.

On a personal note, my daughters are no longer "children". Teresa (18) is a freshman at Stephen F. Austin State University, Nacogoches, TX and Kristine (16) is a sophomore at Bryan High School, Bryan, TX.

Gerard Paquet, 2742 Ville Marie Street, Ste. Foy, Quebec G1W 1Y3

In compliance with your request, I am pleased indeed to inform you that, since my retirement in 1978 as director of the Entomology and Pathology Service, Quebec Department of Energy and Resources, I am working on a part-time job as executive secretary of the Eastern Spruce Budworm Council.

Janis Petzel, P.O. Box 89, Brooktondale, NY 14817

My husband, Dave, and I are living in Brooktondale, NY, a small town outside of Ithaca. He's working as a post-doc in the Physiology Dept. at Cornell, and I was working as a lab technician in the Department of Vegetable Crops doing plant physiology experiments on potatoes (which was more interesting than it sounds) until our first child, Jill, was born on February 14 this year. She weighed 8 lbs on the nose when she was born, weighs 13+ lbs now and has red hair and blue eyes. We think she's gorgeous. So, my work is more in an applied field these days -- I apply the diapers and supply the milk. I've been trying to do some writing, but taking care of the baby is pretty much a full-time activity.

John E. Porter, 7521 SW 53rd Avenue, Miami, Florida 33143

I retired (more-or-less) from purely entomological activities when I retired from the Commissioned Corps of the United States Public Health Service as a Scientist Director in March 1973 in Miami, Florida with 28 years of service. Immediately after that I worked for the National Sanitation Inspection Service and sold my interests after 6 years. Here I carried out sanitation consulting work on various cruise ships. This enabled me (and my wife Jackie, Class of '42) to see a lot of the world that we would otherwise not been privileged to see.

Peter W. Price, Northern Arizona University, Department of Biological Sciences, Flagstaff, AZ 86001

Peter Price and family has been in Flagstaff, Arizona, for almost 5 years. He was first at the Museum of Northern Arizona for 1 year, and is now at Northern Arizona University in the Department of Biological Sciences. He teaches graduate courses in Advanced Entomology (= Insect Ecology), and Evolution, and undergraduate courses in Ecology, General Zoology and General Biology, Not all at once. Research is on local willows, gall-forming sawflies on these plants, and their enemies which are mainly parasitoids and inquilines. We are interested in within and between plant variation and how it influences the herbivores and their enemies. Six graduate students study various aspects of this system including the basic ecology of the willows, their chemical variation, resource regulation by sawflies, and sawfly population dynamics.

The second edition of Insect Ecology will be published in May 1984 by Wiley, with at least 30% new material in the revision. Please buy a copy! I now have a long-range plan to write a general ecology textbook. So any relevant reprints will be welcome.

We enjoy living in Flagstaff very much but really miss the alpenglow on the overpasses in Champaign County.

Garland T. Riegel, Eastern Illinois University, Department of Environmental Biology, Charleston, IL 61920

I retired at the end of May, 1978, after teaching entomology for 30 years at EIU. For 13 of those years I was head of the Zoology Department

with a staff of about 24 during the boom years. Since retirement I've continued to publish and attend meetings. In 1976 Ruth and I spent a sabbatical in Japan, and I attended the Ent. Congress there in 1980 and gave a paper. In 1979 I traveled in mainland China. My hobbies, besides travel, are gardening -- of a sort -- and collecting insects on stamps. This year I'm slated to become president of the Biology Unit of the American Topical Association.

P. W. Riegert, University of Regina, Department of Biology, Regina, Canada S4S 0A2

What have I been doing that may be of interest to others? I published a book: FROM ARSENIC TO DDT, a history of entomology in western Canada covering the period up to 1940. It's still available from the University of Toronto Press. I am currently working on Volume II, which will (I hope) complete the history up to 1980. I had to confine my work to western Canada because a history of entomology in all of Canada was too big a job to be handled effectively in one dissertation.

The joint sessions of the E.S.C. - E.S.A. meeting in Toronto in 1982 was indeed a golden opportunity to get re-acquainted with many Illini. In 1983 I was General Chairman of the E.S.C. meetings in Regina, an organizational job that was both hectic and rewarding.

Paul O. Ritcher, 45 N. Los Olmos, Greenvalley, AZ 85614

I have been Professor Emeritus at Oregon State University since 1975, having retired from the department chairmanship in 1971.

During the first year of my retirement, I had work space in Fred Werner's Systematic Entomology section at the University of Arizona, in Tucson where I did research on Phyllophaga (Listrochelus) larvae. Recently, I made a topical collection of Ceryona insects for use in the Van Program of the Arizona-Sonora Desert Museum. My wife, June, is a docent.

Other than the above, I've exercised "Entomological Restraint" and devoted more time to my interests in collecting stamps, coins, tokens, paper money and postal stationery.

Selwyn S. Roback, Curator, Department of Entomology, The Academy of Natural Sciences, Philadelphia, PA 19103

In 1978 I took part in the Catherwood Bolivian-Peruvian altiplano expedition. This explored the streams around Lake Titicaca and the lake itself. Most of my time since then has been devoted to writing papers on the results of that trip and on other aspects of chironomid taxonomy. This includes a couple of papers on Australian chironomids. Two years ago the Academy finally recognized that I am a taxonomist and moved me into the Entomology Department in the Systematics section of the Academy.

On a more personal note, our children (Craig and Barbara) have grown up and left the nest. Helen and I are enjoying the peace and quiet. Helen

has been doing horticultural consulting and landscaping but is planning to retire after this year.

P. Elaine Shepherd Roberts, Colorado State University, Department of Zoology and Entomology, Fort Collins, CO 80523

I joined the faculty of the Department of Zoology and Entomology at Colorado State University in the fall of 1979 and will be an Entomologist when the department splits this summer. Even to my surprise, I have evolved into the resident Insect Physiologist, although my teaching duties still include Cell Biology. My research is focused on the mechanism of action of juvenile hormone during vitellogenesis in the two-striped grasshopper, Melanoplus bivittatus. (I can identify four species of grasshopper now.) With the assistance of an NIH grant, two grad students, and a research associate, the analysis of JH binding proteins is progressing at a good pace. I have enjoyed exploring the slickrock canyon, mountain, and alpine ecosystems since my arrival in the West. The squirrel and mouse are well.

A.G. Scarbrough, Towson State University, Department of Biological Sciences, Towson, MD

My duties have not changed a great deal since I arrived at Towson, although the school has changed considerably in the last 14 years. It boasts an enrollment of some 14,000 students now. As you are probably aware, my teaching responsibilities include courses in general entomology, and invertebrate zoology for undergraduates and aquatic biology for graduate students. In addition I direct graduate students in their thesis research in our masters program.

My research has taken a left-turn in recent years away from insect behavior and ecology into the area of taxonomy of Diptera, especially neotropical asilids (Ommatius Wiedemann) and, to a lesser degree, bombyliids (Geron Meigen). My research has taken me to Mexico, the Bahama Islands, Virgin Islands and Puerto Rico. In fact, I just returned from a trip to Puerto Rico where I did some collecting and attended a meeting. I hope to complete the revision on the Caribbean faunas this summer and to begin the Mexican and Mesoamerican faunas next.

George K. Schumaker, 279 Bay Ave., Glen Ridge, NJ 97028

After retirement from S.B. Penick Co., subsidiary of GPG Intl., as Commercial Development Mgr., I no longer had any occasion to contact the universities throughout the United States and Canada.

My last activities in entomology were directed toward the introduction and commercial development of resmethrin, the first synthetic pyrethroid approved for use in this country and Canada and manufactured for commercial distribution by insecticide formulators, under their trade names. Today, resmethrin continues to be regarded to be the safest insecticide developed in recent years.

Most recently, I have been disposing of my entomological library, and participating in community affairs, as well as activities in several conservation associations. For sheer pleasure we continue to build our collection of classical and big band jazz records, and participate socially in both these areas of activities.

Thomas G. Shanower, Plant Protection Project, P.O. Box 881, Nuku'alofa, Kingdom of Tonga, South Pacific

I got my masters degree from the University of Illinois in January 1982. In February I joined the Peace Corps. I was assigned to the Ministry of Agriculture in the Kingdom of Tonga in the South Pacific as a research officer at the Government Experiment Station working on several projects on various crops important to Tongan agriculture. In July 1983 I began my present job as an entomologist for the Tongan -German Plant Protection Project, an aid project financed by the West German Government. The principal work I have been involved in is the biological control of the coconut spike moth (Tirathaba rufivena).

Joseph K. Sheldon, Eastern College, St. Davids, PA 19087

I have now finished by 13th year at Eastern College, St. Davids, PA. It hardly seems like that many years have passed since the good times I shared at Urbana. Life is treating the Sheldon family well. I am Chairman of a very fine 5-person Biology Department and am enjoying my teaching responsibilities greatly. There still remains some time for research, but I have come to realize that my greatest contribution can be made through investing my time in the lives of students, and not in major research programs.

My involvement in entomology is not as great as I would like, but that is par for the course when one commits oneself to a small college. I continue to teach a general course in entomology and also am serving as Vice President of the American Entomological Society.

My wife and I think of our friends there often and of the precious gift of education that you were able to share with us.

P. Sivasubramanian, University of New Brunswick, Department of Biology, Bag Service Number 4511, Fredericton, N.B., Canada E3B 6E1

I have been very active academically during the last three years. I took my sabbatical in 1981 and had a very exciting time at the European Molecular Biology Laboratories, Heidelberg, West Germany, learning a lot of axon tracing techniques. Since then, I have been using these methods in my primary research area, namely Developmental Neurobiology of Insects. Using the fleshfly, Sarcophaga bullata as a tool I am trying to find answers to the following three questions.

1. What is the role of the periphery in the survival and differentiation of central neurons.
2. How do axons find their projection sites during development?

3. What controls their specific connectivity?

Careerwise, I am a full professor since 1983, teaching Developmental Biology of animals.

On the homefront, life has been very peaceful. I have three boys. Velu, 16, goes to high school. Kumar, 10 is in grade 4 and Ilango, 7, is in grade 1. My wife Meena is a full time home maker. During the summer we visit friends and places. We make frequent visits to India too. Eastern Canada, including Fredericton where we live, is a lovely place for camping, fishing and hiking in summers and a skiing paradise in winters. I take this opportunity to extend our heartfelt invitation to everyone in the Entomology department to visit us, stay with us and enjoy our PICTURE PROVINCE.

Robert Snetsinger, Pennsylvania State University, College of Agriculture, Department of Entomology, 106 Patterson Building, University Park, PA 16802

During 1983, I was on sabbatical leave in Puerto Rico at the University of Puerto Rico, Mayaguez. There I worked on a bilingual training manual for structural pest control operators and studied Puerto Rican termite problems. Brief trips were made to the Dominican Republic, Haiti and Mexico to collect insects and to observe tropical agricultural problems. In November my The Ratcatcher's Child, a historical account of the structural pest control industry, Franzok and Foster Company, Cleveland, 294 pp. was published. My work with associates continues on mushroom IPM. One of the lectures I gave in Puerto Rico was entitled "There is a Phorid in Your Future". This talk was based on recent research I have been conducting on mausoleum pests. A grant allowed me to travel and visit cemeteries and mausoleums across the U.S. It is apparent that reincarnation is inevitable as the phorid, Megaselia scalaris.

Keith R. Solomon, University of Guelph, Ontario Agricultural College, Department of Environmental Biology, Guelph, Ontario, Canada, N1G 2W1

Having attended the last two ESA meetings I have seen some of the old Illini. We are still at the Department of Environmental Biology, University of Guelph and have made our home here. Research interests include environmental toxicology of pesticides and insecticide resistance, while my academic interests include teaching in these areas as well as administration of the undergraduate toxicology major. Our children continue to grow like Illinois corn and they, and father, have become active in swimming.

Bruce Stanley, New York State Agricultural Experiment Station, Department of Entomology, Barton Laboratory, Geneva, NY 14456

I am currently pursuing my PhD in Entomology at Cornell University. I have maintained my interests in mathematical modeling applications in pest management, and I hope to graduate in December. I've spent most of my time in the East since I left the Department in 1980. In April 1981 I accepted a job as a biological systems analyst for the "Consortium for Integrated

Pest Management" project at the New York State Agricultural Experiment Station in Geneva, New York. I began my graduate study at Cornell in January 1983, and I married Diane Mague Stanley in April 1983. It was certainly a busy first semester! Diane received her PhD in Entomology from Cornell, and she is currently working in DuPont's AgChemicals Division. Life has gone well for me since I left Urbana, and I look forward to seeing everyone at the ESA meetings.

Shirley S. Statler, Box 82, Westchester, IA 52359

I retired from teaching three years ago. Still living in Westchester and finding plenty to do. Daughters, grandchildren and wife all fine.

John N. Thompson, Washington State University, Department of Zoology, Pullman, WA 99164

I've spent this afternoon mating butterflies (genetics of oviposition preference in swallowtails). It's the peak of my field season and I'm oscillating between these hybridization experiments and field work on oviposition in a braconid wasp (undescribed, of course) and its incurvariid moth host. These insects are all associated with umbellifers, and I'm continuing to sort out the variety of ways in which interactions evolve between insects and these plants. Much of the work keeps me near the Wenaha-Tucannon Wilderness in southeastern Washington, a wonderful place where the bear and elk are still big.

The past couple of years have also involved a fair bit of travel to places farther away. The most exciting trip (excluding, of course, my visit to Champaign-Urbana a year or so ago) was one to Denmark and Sweden late last summer and early fall, where I attended the meeting on insect-plant interactions in Lund, Sweden, visited entomologists at several universities, and hiked in some nature reserves in both countries.

Mike and Peg Toliver, 500 E. James, Eureka, IL 61530

Most of the news about us has to do with Peg, so I'll save that for last. As for me, I am teaching at Eureka College, a small liberal arts college near Peoria. Eureka operates on a term system, with 4 8-week terms constituting the academic year. It's very much like teaching summer school the year around. I teach 5 courses every year (Botany, Zoology, Animal Behavior, Ecology, General Biology) with repeats of the General Biology course. So, during the academic year I manage to stay extremely busy. I do enjoy it very much, especially the liberal arts atmosphere. There is only one other biologist here, so I've been forced to make friends with philosophers, artists and theologians. One consequence of this is that I've become active in "the peace movement", and am currently heading a group called Eureka Peace Issues Council (E.P.I.C. for short). We staged a prayer vigil when President Reagan came here in February (an interesting experience, believe me!) and participated in Ground Zero's pairing project, sending a community portrait of Eureka to the people of Elan, U.S.S.R. expressing our desire for peace. We hope to get the director of the Peace Corps here next year, and have several educational activities planned as well. Professionally, I am still playing with butterflies. I've started a

rearing program, in the hopes of raising and describing as many species of butterflies (particularly from Illinois) as I can. I am still working on the systematics of New Mexican butterflies. My collection will soon reside in the Illinois Natural History Survey. Anyway, I have many plans for my research with Lepidoptera, if only I had the time.

The big news about Peg is that she will be back at the good old U. of I. this fall. She is starting in a Master's program in art history, with a quarter-time assistantship. She graduated with honors from Eureka this last spring. While at Eureka, she reaped many honors, both for her art work and for her work on the student newspaper. She served as assistant curator for the campus art collection, which includes some very valuable pieces. Because of her interests, we've made several trips to the Art Institute in Chicago, the National Gallery of Art (with Art Weis and Audrey Kaulinski) and the St. Louis Art museum. Before she graduated from Eureka (with a major in art and a minor in philosophy), she had a show of her work, along with 3 other graduating seniors. The show was very favorably received. After completing her Masters, she will then have to decide if she wants to go on for her Ph.D. (possibly at the University of Chicago) or come back here and see what she can do in this vicinity. In any case, for the next couple of years we will be regular features on the U. of I. campus.

Robert Traub, University of Maryland, School of Medicine, 660 W. Redwood Street, Baltimore, MD 21201

In the Spring of 1983 I asked for, and received, early retirement so that I could devote full time to research on fleas and related subjects. This change has worked out very well in that formerly I had four times as much work to do as anyone could possibly accomplish, and now, in my new capacity of Research Professor, I only have twice as much.

Research projects continue on the systematics, ecology, evolution and zoogeography of fleas (and some of their hosts), and on pertinent infections, especially murine typhus. Lately I have been spending too much time on the ecology of the Korean Hemorrhagic Fever group of viruses. If you ask what this has to do with fleas, the answer goes back to Korea and 1952, when, on the basis of the affinities of the fleas and hosts in endemic areas and the observed epidemiological features of the disease, I postulated that the KHF group of viruses was intimately associated with microtine voles. This turned out to be the case in Scandinavia, China and elsewhere, and a couple of years ago we collected vole sera from Alaska for testing in D.C. Gajdusek's lab at the N.I.H. in Bethesda, Md. The sera was serologically positive for this complex of viruses, and the same was true for microtines from California, etc. A virus in this group was isolated from Microtus here in Maryland and is called Prospect Hill Virus, but its relationship to disease is unknown.

As Honorary Curator of Siphonaptera at the Smithsonian Institution (U.S. National Museum), I also maintain an office in the Museum of Natural History in downtown Washington, D.C. It would be a pleasure to meet alumni visiting the National Collections or the Museum.

Donald M. Tuttle, University of Arizona, Yuma Valley Agricultural Center, 6425 W. 8th St., Yuma, Arizona, 85364

I retired from the University of Arizona on September 30, 1983 after nearly 32 years at the Yuma Experiment Station. I was engaged in the biology and control of insects and mites associated with agricultural crops, especially alfalfa, bermuda grass, citrus, cotton, lettuce and melons. Since 1954 I have collected, studied and co-authored several publications with E. W. Baker (USDA, Beltsville) on the systematics of Tetranychidae mites. I maintain my office on a volunteer basis and am continuing research in the area of plant mites (taxonomy). Last year I attended the International Congress of Acarology in Scotland and will continue to attend various meetings.

Ray Voorhees, Central Missouri State University, Biology Department, Warrensburg, MO 64093

Although I have maintained only the most tenuous connections with the Department of Entomology, it always pleases me to hear from anyone in Morrill Hall. In the last three years, I have learned to cope with paper and frustration as Head of the department of Biology at CMSU. We have been able to bring in some good young faculty which I consider to be the center piece of my administration so far. Among them are Dr. Steven Wilson, who specialized in planthopper taxonomy, especially of immatures. His Ph.D. is from S.I.U. '80. Some of you probably know him.

I and several colleagues have also been busy beating down the many-headed hydra of Creationism in rural Missouri. I have given quite a few presentations which receive at least attention, if not acceptance.

Steven W. Wagner, FMC Corporation, Agricultural Chemical Group, 3921 Sandlewood, Okemos, Michigan 48864

After spending 1980 & '81 as a research assistant with Dr. Brian Croft of MSU working on fruit pests, I took a job with FMC AgChem as a sales rep. I enjoy my job in applied agriculture, and plan to be in the area for the next few years in this capacity.

Dianne and I are expecting our first F_1 in early October.

Gilbert P. Waldbauer, University of Illinois, 320 Morrill Hall, 505 S. Goodwin, Urbana, IL 61801

The past three years have been exciting from a professional point of view. The project on Batesian mimicry is now supported by a grant from NSF. Jim Sternburg is the co-investigator. I've spent the last two summers at the University of Michigan Biological Station in northern Michigan working on two aspects of the project: 1) the phenological relationships between stinging Hymenoptera, their mimics, and insectivorous birds, and 2) an appraisal of mimetic advantage in the absence of the model, using the technique of releasing and recapturing painted male prometha moths. The results are exciting, and I am now in the midst of writing the first major paper to result from this work. In December and January of

1981 Stephanie and I were in Paris where I spoke on the painted promethea technique at a colloquium at the Museum National d'Histoire Naturelle. Stan Friedman and I now have a joint USDA grant that supports work on the self-selection of an optimum nutrient mix by larvae of the corn earworm. Randy Cohen is an R.A. on this project and is pursuing a segment of the research as his Ph.D. dissertation work. The results from this project are also exciting, and the first major paper dealing with them was recently submitted for publication.

Bill Walker, 1335 Birmingham St., Halifax, Nova Scotia, Canada B3H 4H7

The last 3 years, I have devoted to the single-minded purpose of determining the structure of 5s ribosomal RNA's from a variety of fungi and marine invertebrates. I hope these will make a significant contribution to phylogenetics and basic principles of molecular evolution. Perhaps, I will eventually get around to investigating insects or at least arthropods from this perspective. Hope to spend a few weeks in Ecuador getting reacquainted with the birds, plants, people and, yes, insects of the neotropics. I miss all those things here on the shore of Nova Scotia.

Barbara T. Walton, Environmental Sciences Division, Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, TN 37831

Since graduating from the Department (1978), I have been employed as an environmental toxicologist with Oak Ridge National Laboratory in Tennessee. The first project I worked on dealt with ecotoxicological problems that could result from the production of coal liquids for fuel. The work was exciting and led to the finding that exposure of cricket eggs to trace amounts of an unknown chemical could cause supernumerary eyes, antennae, and heads in emergent nymphs. Subsequently, we found the active teratogen to be benz(g)isoquinoline-5,10-dione. More recently, I have been investigating the influence of soil invertebrates on the bioavailability of technetium, a radioactive fission product with a half life of ca. 200,000 years and the propensity to resist disposal.

Part time off from research last fall gave me the time needed to teach a course in "ecotoxicology" at the University of Tennessee. As an adjunct faculty member, I also advise students. The ESA and the Society of Environmental Toxicology and Chemistry (SETAC) have provided primary outlets for my work as well as an opportunity to learn more about professional society operation as the program chair for the 1983 annual meeting of SETAC and as a member of the Board of Directors. Travel highlights have included participation in the International Congress of Pesticide Chemistry, Kyoto, Japan, and working for several weeks at Cornell University and the University of Washington, Seattle. The latter trip was made possible to me as the recipient of the 1981 Scientific Achievement Award from the Environmental Sciences Division here at the National Laboratory.

My leisure time seems to be consumed hiking up and down fairways (remember this is Tennessee, not Illinois) in search of an all-too-elusive golf ball. Oh well, at least the insect fauna is more interesting in the rough!

Don Webb, Illinois Natural History Survey, 172 Natural Resources Building,
607 E. Peabody, Champaign, IL 61820

I am still working at the Illinois Natural History Survey, having been promoted to full taxonomist in 1982. I spent the last three years revising the 21 genera of lower brachycerous flies covered in my thesis. I expect to complete the remaining revision of these genera this fall and then to reanalyze the phylogeny development in my thesis before having it published. My future interests lie in the systematics of the lower brachycerous flies of the Neotropics.

Art Weis, Department of Biology, Bucknell University, Lewisburg,
Pennsylvania 17837

Hello to all my friends from the Entomology Department. Since I got my degree in 1981, I've been doing post-doctoral research at Bucknell University, in Lewisburg, Pennsylvania. I'm working on population genetic aspects of the evolution of goldenrod and its tephritid gallmaker. I've also taken up fly-fishing and have spent many evenings standing in the middle of mountain streams in pursuit of the elusive trout.

In the fall Audrey and I will be moving from the land of mountains, back to the land of molehills when I start as Assistant Professor in the biology department at Northern Illinois University. There I will be teaching ecology and Invertebrate Zoology, and continuing research on the evolution of plant-insect interactions.

Margaret Windsor, 220 Santa Rita, Palo Alto, CA 94301

My professional life was that of catalog librarian at Stanford University, so my science interests were subordinate to the library work. Having been retired from Stanford Library since 1972 my activities at 220 Santa Rita have been oriented to daily living and a few special interests.

Because my housemate had lived in the area a long time we had worked over a lot of her great uncle's material and her own family records. We wrote up accounts of her early life in Mountain View, a record of her childhood home, and an account of her brother's life. Her work on the Emersons in Mountain View is incomplete due to her recent death.

In line with all this activity we have been members of the Mountain View Pioneer and Historical Association, and I've been secretary for 82/84.

In 1981 the Medfly problem affected us directly. We had to strip our English walnut tree of its nuts. (Of course we annually have husk fly).

As a side interest I have been feeding the birds regularly, even hand-feeding peanuts to a scrub jay in 1982. As a result of feeding shelled raw peanuts, we found about 10 peanut plants in the garden area - the jays didn't remember all their hiding places and the squirrels didn't sniff them out. Not many peanuts formed but it was fun to see the yellow blooms.

So you see there hasn't been much exciting going on, and certainly very little tying in with entomology - except husk flies, aphids on roses, spittle bugs here and there, cutworms in whatever garden I may plant.

H.R. Wong, Canadian Forest Service, 5320-122 St., Edmonton Alberta, Canada
T6H 3S6

Not much has changed since the last newsletter, except I have added a few pounds, lost some more hair and tooth. I am still studying sawflies and forest insects at the Northern Forest Research Centre, in Edmonton, Alberta. Still married to Margaret Yee, and our two oldest daughters have graduated from the University of Alberta. Although one has taken some entomological courses, she does not aspire to be an entomologist like her father.

Have seen some old friends who were at the University of Illinois when I was there, in Washington and Ottawa, and the occasional National Meeting.