

DEPARTMENT OF ENTOMOLOGY

Entomology Staff 1st Semester 1954-55

Faculty

- Baldur, W. V.
- Fraenkel, G. S.
- Hayes, W. P. - Head
- Horsfall, W. R.
- Kearns, C. W.
- Milum, V. G.

Teaching Assistants

- Atchison, Walter C.
- Cunningham, H. B.
- Waldbauer, Gil

Graduate Faculty at Survey

- Decker, G. C.
- Ross, H. H.

Full Time Research Associates

- Friedman, S.
- Lipke, H.
- Sternburg, J.
- Chang, S. C.

Half time Research Assistants

- Lippold, P.
- McFarlane, J.
- Lum, P.
- Lovell, B.
- Miyake, S.
- Lewis, R.
- Engelmann, M.
- Brookes, V.

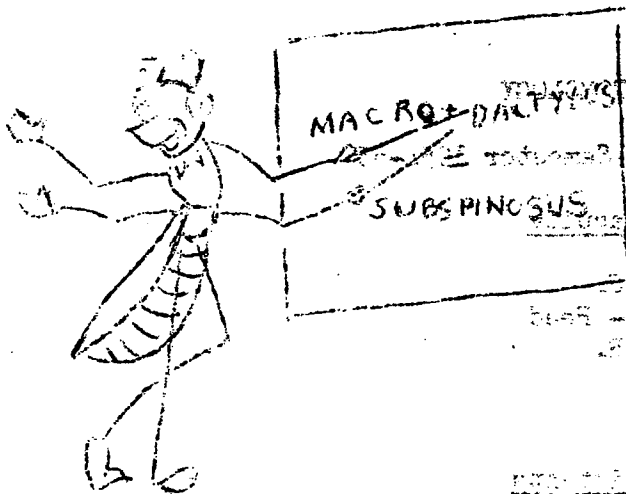
Laboratory Assistants

- Amitai, G.
- Lowe, John
- Sherwin, Wilma

Secretaries

- Marilyn Wright
- Janet Cox

FACULTY NOTES



Dr. W. V. BALDUF - He and his wife spent two months at his cabin at Eaglesnest Lakd near Tower, Minnesota. Time of summer vacation and spare time during this semester is being spent on writing a report covering about ten years research on the insects of rose hips. The report is to be published next year.

Dr. STANLEY FRIEDMAN - is a research associate studying the synthesis and function of cornitine with Dr. Fraenkel.

Dr. G. S. FRAENKEL - Dr. Fraenkel spent last summer in Wood's Hole, Massachusetts at the Maine Biological Station. He has since visited Japan, India, and Israell In Israel, he will visit with Rachel Galun's parents. He reports that everyone has been treating him very well.

Dr. WILLIAM R. HORSFALL - Dr. Horsfall is an Associate Professor of Entomology here at the University of Illinois. He is conducting research in the bionomics of floodwater mosquitoes and his new book, "Mosquitoes, Their Bionomics and Relation to Disease" will be released this next January. Good luck from the Illient staff (and the entire department)!

Dr. C. W. KEARNS - After spending a wonderful vacation fishing in Wyoming, Dr. Kearns took an extended trip to Europe, where he visited France, England, Switzerland, and Holland where he visited entomology labs. Just recently Dr. Kearns was in Washington, D. C. for the Pan American Health Organization.


Dr. HEPBERT LIPKE - whose research includes glucosamine metabolism in the horse-shoe crab, is a research associate who recently bought the mansion at 507 So. Pine St., Champaign.

Dr. VERY G. Milum - is a professor of Entomology at the University of Illinois. His current research concerns honeybee communication.

Dr. SHEN CHIN CHANG - has a research assistantship under Dr. Kearns and is now working on chemical medeators in nervous transmission in insects. His most publication dealt with DDT and its susceptibility on the American cockroach.

Dr. JAMES G. STERNBERG - married Eileen Mayer on Nov. 27, 1954. He is working on the metabolism of lindana and DDT. Eileen is the popular secretary of the botany department where she will continue to work. They took a honeymoon trip to Florida. A butterfly collection of Jim's is now on display in the Illini Union show cases. He has many tropical butterflies in his collection which he caught while he was in the Navy in Trinidad, British West Indies. The rest of his collection he secured in the area around Champaign.

SURVEY NOTES



Dr. HARLOW B. MILLS - Chief, of the Natural History Survey says his largest recent project has been working on the N.H.S. budget for 1955-57. All important is would seem to me. Most of his research work is done on Collembola.

ECONOMIC ENTOMOLOGY DIVISION

GEORGE C. DECKER - Head of Econ. Ent. Section of Ill. Nat. Hist. Survey and Ill. Agr. Exp. Sta. He directs the research of the section. Dr. Decker was elected President of the E.S.A. at the recent meetings at Houston. Congratulations and much success to you. He serves as Chairman of the Agr. Pests Comm. & member of Agr. Board, Natl. Research Council, and also a member, Food Protection Comm. Food and Nutrition Board, National Research Council.

J. H. BIGGER - is out at the Natural History Survey doing research on soil insecticides.

W. N. BRUCE - is Associate Entomologist at the Natural History Survey doing studies on repellents and toxicants, and studies on resistant houseflies.

STEWART CHANDLER - is Associate Entomologist at the Natural History Survey working on the catfacing of peaches and the study of neglected apple and peach orchards, also control of round headed apple tree borer. He is still located at Carbondale, Illinois.

NORMAN GANNON - is presently working on the control of the Class Insecta at the Natural History Survey while an Associate Entomologist. There will be another insect to feed come January, 1955, in the home of the Gannons.

L. L. ENGLISH - Dr. English is currently carrying out research on control of the 2-spotted mite.

JOHN GLAWE - is an instructor in Biology in the Division of General Studies and during the past few summers has worked for Dr. Decker. John passed his prelims recently and is looking anxiously forward to finishing his thesis.

WM. H. LUCKMAN - is Assistant Entomologist doing Research at the Illinois Natural History Survey. His research is a study of the Japanese beetle outbreak and eradication program at Sheldon, Illinois as well as corn flea beetle control tests, and European corn borer biological studies.

STEVENSON MOORE, III - is Extension Specialist in Entomology at the Natural History Survey, and Assistant Professor of Entomology of the Agricultural Extension Service.

H. B. PETTY - "Pete", our extension entomologist working under the direction of Dr. Decker and the Agricultural Experiment Station has passed his prelims and is now actively working on his thesis problem.

MAHON RAO - resigned his teaching assistantship this fall to accept a full time research assistantship under Dr. Willis Bruce in the State Natural History Survey. Mahon is very happy these days since his wife has recently joined him having come from India.

ROBERT F. SNETSINGER - after being away from the University for a short time returned this fall to continue graduate work. He is assisting Dr. English in the State Natural History Survey.

CLARENCE E. WHITE - is an instructor in Entomology at the Agr. Ext. Service, and does insect survey work throughout the state.

MEMBERS OF THE DIVISION

FAUNISTIC SURVEYS AND INSECT IDENTIFICATION DIVISION

H. H. ROSS - Entomology--Some of his recent publications are The Science and the Profession, Agr. Chem., June 1954, Entomologists and their \$40 billion Patient, Croprief Vol. 1, No. 23, June 28, 1954. The Functioning of the Entomological Society, Proceeds. Ninth Annual Meeting North Central Branch, ESA., March, 1954. One Hundred Years of Entomology and the Future, Jr. of Agr. and Food Chemistry, Vol. 2, no. 18, p. 903 Sept. 1, 1954, (with Walter J. Murphy). He has been very busy with his duties as President of the Ent. Soc. of America this year.

JOHN KINGSOLVER - John is a graduate of Purdue and holds a half-time research assistantship under Dr. H. H. Ross. He is assisting Dr. Ross in his study of Caddis flies.

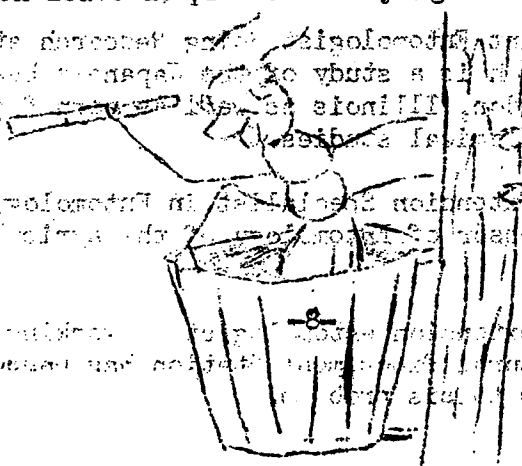
ROM MOOPE - who has worked the past several years in Dr. Ross' laboratory finally conquered his language examinations and is planning to take his preliminary examination in the near future.

FRED H. SCHMIDT - is out at the Natural History Survey doing work on Coleoptera.

RICHARD WONG - who came to us a year ago from the Forest Insect Laboratory in Manitoba dropped out during the spring semester and returned this fall to work towards his Master's degree. Wong is working under Dr. Ross and is actively interested in the study of Sawflies.

MILTON SANDERS - is continuing his studies in Coleoptera.

LEWIS STANNARD - is on leave at present studying thrips at the British Museum and in Cairo, Egypt.



ALUMNI NOTES



HARRY E. ANDERSON besides being a biology teacher, is also the head track coach and a science club sponsor. He was recently appointed the assistant chairman of judging for the Illinois Junior Academy of Science.

LAWRENCE E. ATKINS, JR., 4290 Jurupa Ave., Riverside, California. "Larry" is an associate specialist in entomology, in charge of a project for the study of

orangeworms infesting citrus in Southern California and is also studying the effects of pesticides on apiculture. His current research involves chemical control of the platynota orangeworm or cotten; biology of the platynota orangeworm in Southern California; and biology and control of Clepsis peritana chem. on citrus. He informs us that Dr. R. L. Metcalf represented our University at the dedication of the new College of Letters and Sciences of the University of California at Riverside this last October. A worthy representative at a worthy project.

ROY J. BARKER, senior research investigator, DuPont Experimental Station, Wilmington, Delaware. Presently, he is working on fundamental insect biochemistry.

EDWARD C. BECKER, Systematic Entomologist in Coleoptera. Research now in progress consists of a revision of N.A. Hypolithus and descriptions of various N.A. elaterid larvae.

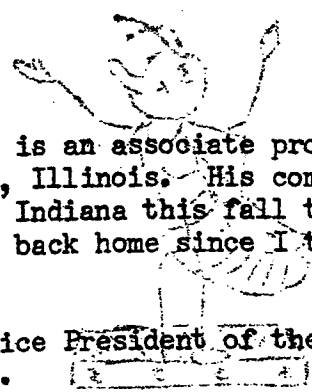
C. W. BILLS, of 419 Walnut St., Elmhurst, Illinois, is Director of Audio-Visual Education at Proviso High School in Maywood, Illinois. He and his wife, Ruth Parks Bills have two daughters, Rosalie and Nancy. He says: "I am the entomologist for the Clarke Outdoor Spraying Co. We control mosquitoes in communities of Du Page County and a few in Cook County. Aurora is our biggest project. We expect to have a heavy schedule in combating Dutch wilt this summer."

RALPH BURHAM BIRD, P.O. Box 250, Manitoba, Canada. He is in charge of the Field Crop Insect Laboratory for the Canada Department of Agriculture. His research is on the ecology of Aspen Parkland. He states that he is interested in nature photography - insects, flowers, and birds.

LUSETTIE BLEVINS is making her home in Atwater, Illinois. At present she is trying to grow plants without water (due to dry Midwest weather). She is planning to be in Washington, D. C. in December then on to the warmer cline of Florida.

MANFRED BRUST is at the Department of Zoology, Syracuse University, Syracuse, 10, New York. He is a full-time research associate and is working on the potentials evoked by illuminating eyes with flashes of known intensity and duration. The animals used are: Melanoplus differentialis, Limulus polyphemus, and Para pipiens. After March he will be with the New York University.

B. D. BURKS, U. S. National Museum, Washington 25, D. C. Entomologist (Taxonomy)- Identification of chalcid flies and sawflies. He is doing research on chalcid flies.



Alumni (cont'd)

CLINTON J. BUSHEY of 335 N. Forest, Bradley, Illinois is an associate professor of Biology at the Olivet Nazarene College in Kankakee, Illinois. His comments were: "I moved here from Taylor University, Upland, Indiana this fall to teach in the Biology Department. It has really been coming back home since I taught in this college from 1924 to 1944."

E. W. BUSHING is presently busy with his duties as Vice President of the Paramount Pest Control Service in Oakland, California.

EVERETT J. BUSSART is now the Chief Entomologist with Velsicol Corporation. His home is in Wheaton, Illinois.

PEH-I. CHANG of 3528 Terrace St., Kansas City, Mo. is in charge of the department of Pathology, University of Kansas Medical Center. He has two pieces of research in progress: one, an histochemical study of the lymphatic tissues of irradiated animals; the other, succinic dehydrogenase activity in abnormal tissues.

MURRAY I. COOPER of 219 Gliveden Ave., Glenside, Pa. is Director, Pennsylvania Office, Insect Control and Research Inc. Consulting Entomologists. The Coopers have a new daughter Susan Amy born in March of 1954. He notes that they "recently bought a new house (30 years old) and are kept busy getting it into shape. Next project is to tickle the termites in the garage. He says that he is doing a lot of consulting work for the confectionary industry these days and "it's a struggle to maintain a lean waistline."

GLENN J. COPLEY Woman's Medical College of Penna. Philadelphia. Third year student. Miss Corley writes of her enjoyment of our past issues of Illient. Thank for them kind words, lass - I hope that we can live up to your praise this year, too!

MAURICE G. DADANT of Hamilton, Illinois is Editor of the American Bee Journal. He and his wife Helen have four children, Robert M., Mary Elizabeth, Charles G. and Philip M. Current research concerns the effect of soils on nectar secretion.

PAUL A. DAHM, is Professor of Entomology, Department of Zoology and Entomology, Iowa State College at Ames, Iowa. His duties include research and teaching in the area of insect technology, and he is currently engaged in research on insect toxicology, especially employing radioactive tracers. He adds "Always enjoy receiving the Illient."

PFC THEODORE DASHMAN is in Landstuhl, Germany with the Army. Some of the problems he is assisting with are: DDT resistance in Musca domestica (Mieg) and the role of the endocrine glands in Musca domestica (Mieg) larvae. The most prominent phase of his work now is trying to get out of the Army within the next ten months.

JOHN J. DAVIS is Head of the Department of Entomology at Purdue University. The most significant fact at the moment is that he will be 70, a year hence, and therefore must automatically retire.

FRED O. DODD 404 Lyon Ave. Wheaton, Illinois, Plant Quarantine Inspector, USDA Plane Quarantine Branch, A.R.S. Assigned to Chicago quarantine office where he supervises entry of plant material into U.S. and movement of domestic material under existing quarantines.

WILLIAM G. EDEN, of the Department of Zoology-Entomology, Ala. Poly. Institute, Auburn, Alabama is doing research on control of insects of corn and vegetables and is teaching graduate courses in toxicology of insecticides and immature insects. Research in progress concerns control of corn earworm and stink bugs in sweet corn; stored grain pests; tomato insects; cowpea insects; and sweet-potato insects.

J. HARWOOD EVANS, 517 Jackson Drive, Oshkosh, Wisconsin is the Principal of the Senior High School in that town. His wife died in 1952. Their daughter, Susan Ann, was married last August to Lt. Dean P. Grant. He says: "Had nice visit with Paul Dahm this fall. Also heard Lowell Thomas mention "Bill" Hayes on one of his broadcasts recently."

M. D. FARRAR sends word from Clemson College, where he is the dean of Agriculture. Clemson will soon have a very modern (\$4,000,000) agriculture laboratory, which should be ready by March of this year.

STANLEY B. FRACKER is continuing his work on international aspects of agricultural research; insect control cooperation policy in the Middle East.

E. W. FRENCH is with the Rohm and Haas Co., Philadelphia 5, Pa. His trips luckily take him to Miami quite frequently. He reiterates that the fishing is fine.

F. J. FRIEDLI is assistant superintendent at the Belleville Township High. He is the newly elected president of the St. Clair County Chapter of the Red Cross.

PHILIP GARMAN is a research entomologist at the Connecticut Agricultural Experiment Station where he is working on the control of fruit insects, population studies of Tetranychidae, spray machinery, and the effect of sprays on fruit quality.

ROBERT L. GERHART is in Sante Fe, New Mexico. He is an Orkin Exterminating Co. representative. Bob recently got hogtied by a femme fatale from Honey Grove, Texas. The gals from T-e-x-a-s can match their opposites in lassoing a crittur.

PERRY A. GLICK from Brownsville, Texas, writes that (P.A.G.) he is at the Pink Bollworm Research Center. He is mainly interested in the response of the pink bollworm to certain ultraviolet and visible radiation. He chalked up 46 airplane rides in August in studying the flight of the pink bollworm moth over the King Ranch (the largest privately owned real estate.) Among his interests are landscape and seascape photography and collecting exotic butterflies and moths of the world. For further details please glance at Who Knows-And What, p. 255; and Leaders in American Science, 1953.

AL G. GROSCHE, is Head of Science Department, Waukegan Twp. High School. He is also still coaching.

FRANK E. GUTHRIE, Entomology, Division of Biological Sciences, North Carolina State College, Raleigh. Assistant Professor working on tobacco insect control. His research is in the study of nicotine metabolism in insects and insecticidal control of tobacco insects.

(cont'd)

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WOODRUFF EVANS, 517 Jackson Drive, Oshkosh, Wisconsin is the Principal of the Oshkosh High School in that town. His wife died in 1952. Their daughter, Anna, was married last August to Lt. Dean P. Grant. He says: "Had nice time with Paul Dahm this fall. Also heard Lowell Thomas mention "Bill" Hayes of his broadcasts recently."

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CLYDE C. HAMILTON is an associate Entomologist and associate professor of Entomology, Rutgers University. He has research in progress on the control of insect pests of nursery plants; holly insects and spider mites; development of mist a blower for control of insects and other pests of nursery plants. He and his wife Urda have two daughters, Rachel Jane and Carol Elizabeth.

D. W. HAMILTON of the Entomology Research Branch, 1237 Washington Ave., Vincennes, Indiana, is an entomologist in charge of field laboratory for Fruit Insects Section, Entomology Research Branch, U.S.D.A. He is currently making studies of resistant strains of codling moth larvae to DDT, and control methods for orchard mites. He and his wife Willa Marie have a son, John A.

ROBERT E. HAMMAN is now Washington Representative of the Shell Chemical Corp. This move from the Denver office occurred on July 1, 1954. The Hammanas are residing at 9203 Adelaide Court, Bethesda 14, Maryland.

ROBERT HARWOOD (Ph.D. 1954) is Assistant Entomologist, Research, in the Department of Entomology at the State College of Washington, Pullman, Washington. He is doing research on the factors controlling effectiveness of systemic insecticides and control of wireworms in dry land wheat. There is lots of fishing and hiking in the West and Bob hopes to try his luck at some skiing and hunting, too.

FRANK F. HASBROUCK is an instructor and a curator at Oregon State College, Corvallis, Oregon. Last summer he enjoyed several insect collecting trips in and around the Cascade Mountains. At press time he was one of the few eligible bachelors remaining from the coffee gang of ancient vintage which at one time was located in Harker Hall, Room 304.

JOHN HENRY HAWKINS, 306 Plant Science Building, University of Maine, Orono, Maine. Entomologist, Maine Agricultural Experiment Station doing research on the biology and control of wireworms, European corn borer and other insects affecting field crops. He is also working on biology and control of root maggots affecting vegetable crops.

HENRY E. GRAY, 6400 30th Street North, Arlington, Virginia. Field Agriculturalist, The Dow Chemical Co. 916 Shoreham Building, Washington, D. C. He is doing agricultural chemical development through Federal and State Experiment Stations and Industrial organizations.

LOU JANSKY, 803 West Grand, Waukegan, Illinois, is Entomologist for Arwell, Inc. Technical direction and product development comprise his main duties.

DONALD R. JOHNSON whose home is in Falls Church, Va. has been hopping around the world (Pakistan, India, Iran, Egypt) working on Malaria control programs. He is with the Division of International Health, U. S. Public Health Service, Wash. D.C. For more info about the type of work Donald is doing, see Reader's Digest-Jan. 1955, and Pohm and Haas Reporter-Sept.-Oct. 1954.

KENNETH L. KNIGHT, Cmdr. (MSC) USN administers the medical entomology program for the Navy.

GORDON MAGMILLAN is with the Allegheny County Sanitary Authority as their technician. His research centers on land and freshwater Mollusca especially those in and around Cape Breton, Nova Scotia, Canada. Presently residing at 519 Sheridan Ave., Pittsburgh, Pa.

Alumni (con't)

W. E. MCCAULEY is manager of Product and Sales Development, Agricultural Chemicals Division, Shell Chemical Corp. At present he is conducting a state by state survey of insecticides used in the U.S.A.

RALPH B. MARCH, Associate Entomologist in the Department of Entomology, University of California, Citrus Expt. Station, is doing interesting research on the resistance of insects to insecticides.

CARL O. MOHR of Newton Field Station, Public Health Service sends word that he enjoyed his visit here in August. NWS, PHS of Newton, Ga., has Carl as their chief. Main interest in research is the relation of abundance of hosts to arthropod-borne diseases.

HERBERT H. MOOREFIELD is at the Boyce Thompson Institute for Plant Research, 1086 North Broadway, Yonkers 3, New York. He is establishing a basic program in insecticide research in order to study mode of action and correlate structural configuration with the toxicity of insecticidal materials. His manuscript with James Sternberg and C. W. Kearns has been submitted for publication. It concerns DDT Dehydrochlorinase in various life history stages of the housefly and on the mechanism of action of DDT synergists in resistant housefly. (are in preparation)

FRANKLIN C. NELSON, 129 W. 5th Ave., Roselle, N. Y. The Chief Entomologist at Esso Standard Oil Co., Linden, N. J. Chemical and Biological Insecticide Labs. His research work is in improved "Flit" aerosol and liquid sprays and aromatic petroleum solvents. He sees business for exterminators of termites, spiders and crickets in the offing due to the basementless slab bungalows which are so much in vogue nowadays. (A wise observation).

T. H. PAPKS at Ohio State University, Columbus, Ohio, where he holds the position of Extension Entomologist. He has served as chairman of the Ohio Committee on Commemoration of 100 years of Professional Entomology. He and his wife, Martha, have two children, Ruth and John.

ALVAH PETERSON is Professor of Entomology at Ohio State University. He is doing research on the eggs of insects with emphasis on recognition. He said that he enjoyed the opportunity to give two lectures at the University of Illinois in January of 1954. He also gave three lectures October 26-28 at Cornell University on immature insects. During the summer of 1954 he taught a course on aquatic insects at the University of Minn. Biology Station at Lake Itasca, Minn. He and his wife Helen have two sons, Jon and David.

ROBERT D. PAUSCH is with the 47th Reconnaissance Company, Fort Benning, Georgia. He acts as a liaison agent, operating as the connecting link between the field forces on field exercises and maneuvers and the company commander. He is also tank driver, radio operator and reconnaissance scout. When asked about research currently under way he commented, "I am afraid the Army doesn't leave too much time for any research. In fact I hardly have time to read through the Journal of Economic Entomology and the Annals. I will indeed be happy when I can return to the University next fall and take up my studies where I left off." He adds, "Upon completion of my tour of duty with the Army, I intend to return to the University... My ultimate goal still is to get my Ph.D. in Entomology. A two and a half year absence from anything connected with entomology has made me hunger for anything entomological as a starving man hungers for food."

Alumni (con't)

JOHN E. PORTER, 7521 S.W. 53rd Ave., Miami Beach, Florida. Sanitarian (R) U.S. Public Health Service; Entomologist at the PHS Quarantine Station at Miami Beach. He is doing research on repellents for culicoides. "I was glad to see some Illients at the recent FCO convention at Miami Beach - Bernard Berger, Bill Delaplane and Herb Schoof, also 'Mac' Macauley. Let us know when you are in town - our phone number MO 1-1934."

GLENN PRINTY is Senior Laboratory Technician, assigned principally to investigations of potato tuber moth and the lesser cornstalk borer at the Citrus Experiment Station, Riverside, California. Glenn writes that air pollution is rapidly becoming one of the most important agricultural problems in southern California.

JANET and WM. RAPP, 430 Ivy Avenue, Crete, Nebraska. Janet is a research nutritionist for the Feed Service Corp., Crete, Nebraska and is doing research in Biochemistry of Puminent Sanitation, in Lincoln, Nebraska. He is working on Fleas of Nebraska and relation of mosquito larvae to chemical content of water, especially in relation to oil brine.

GARLAND T. RIEGEL is still teaching at Eastern Illinois State College, Charleston.

PAUL O. RICHTER is Head and Chairman of Department of Entomology at Oregon State College, Corvallis, Oregon. His current research concerns the biology of various species of Pleocoma, Amphecoma, and Dichelonyx. He was Program Chairman, June, 1954 of the Pacific Slope Branch Meetings of the E.S.A. at Bend, Oregon. This fall he taught a course in Fruit Insects. He and his wife have two daughters, Paula and Susan.

ARTHUR E. RITWHER 309 S. Monroe, Streator, Illinois. Teacher of Biology at Streator Township High School, Chairman of the Science Department.

C. C. ROAN is associate professor of Entomology at Kansas State College. He teaches Insect Physiology and Insect Toxicology plus rendering his services to the Experiment Station. Among his many research interests are:

1. Use of radioisotopes in studies of chemotherapeutic insecticides.
2. Temperature coefficients and synergism of organic phosphorus compounds.
3. Effects of RF irradiation on insects.

At one time Cliff was with the U. S. D. A. in Honolulu, (Pacific Paradise?) Hawaii.

SELWYN S. ROBACK has an address which should sound strange to many ears— 4 Musket Rd., King of Prussia, Pa. He is the Assistant Curator of the Department of Limnology, Academy of Natural Sciences of Philadelphia. At present his research is on Tendipedidae (Chironomidae) larvae under a grant from the American Philosophical Society.

H. F. SEIFERT is making his home in McHenry, Illinois. He is a Horticultural Inspection Supervisor of the Illinois State Department of Agriculture, Division of Plant Industry.

RICHARD B. SELANDER, of 366 West 2nd North, Salt Lake City, Utah is doing research on a revision of the blister beetle genus Lytta and amplification of his thesis on the evolution of blister beetles. He says: "Recently visited North Carolina State College and had a nice visit with Frank Guthrie."

Alumni (con't)

JAMES A. SLATER, Department of Zoology and Entomology; Storrs, Connecticut. An assistant professor of entomology working in revisionary systematic problems on Lygaeidae and miridae, also works on immature Hemiptera. He tells us that the University of Connecticut, where he began work in 1953, now offers Ph.D. work in insect taxonomy, morphology, histology, physiology and economic work exclusive of toxicology.

MARION E. SMITH, Department of Entomology, University of Massachusetts has manifold duties, being an assistant prof. of entomology in introductory lab. work, immature insect work, entomological seclisques, and mosquito taxonomy. She is also curator of the insect collection. Her present research is on Prepared Dolichopodidae; and larvae of adults of New England mosquitoes. She informs us of an enviable trip camping and collecting through Alaska, and after a plant trip, to Tokyo! Disaster struck on a long, sad, muddy detour through the Canadian Rockies while driving home from Alaska, but she assures us that it was worth it—we wish we could have gone too!

KATHRYN M. SOMMERMAN lives in Orlando, Florida. She is at present the Keeper of Psocid Haven. Latest communique from her states that she hopes all are fine and dandy at good ole Illinois.

G. J. SPENCER communicates from 1826 Blanca St., Vancouver 8, B. C., Canada that he is enjoying his stay in B.C. He has accumulated over 200,000 insects of B.C. since 1924. He is Professor Emeritus, Department of Zoology University of B.C., and a special lecturer in entomology in three (3) full courses. As of 1 Jan. 1955 he will also have an added responsibility as a commercial consultant in Vancouver. The natural control of locusts in British Columbia; Anoplura of birds; the Mallophaga and Anoplura of B.C.; and household insects are his research interests.

PHILIP C. STONE Dept. of Entomology, University of Missouri, Columbia, is Professor of Entomology and Chairman of the Department doing research on the influence of soil minerals on insects.

LT. MILTON E. TINKER is in New York City as Assistant Entomologist for the First Army Area, where he aids in preventative medicine inspections, and conducts research on problems that come up. He is writing up the material he gathered at the Survey for his Ph.D. thesis.

LEE H. TOWNSEND, University of Kentucky, Lexington, Kentucky. Professor of Agricultural Entomology at the University of Kentucky teaching full-time.

LT. COL. ROBERT TRAUB, MSC is stationed in Washington. He says that it is an odd feeling to be without foreign service of some sort, this is the first year that has happened since 1942, and he just can't get used to it. He is doing research on Epidemiology of Korean hemorrhagic fever and taxonomy of fleas from various parts of the world.

DONALD M. TUTTLE, U. of Arizona, Exp. Farm. R#1, Box 850, Yuma, Arizona. Don is a research entomologist interested in study and control of insects of cotton, alfalfa and melons. His present research involves mites of Arizona, lepidopterous insects of alfalfa, and early control of thrips on cotton. We are told that there are 160 acres of alfalfa involved.

Alumni (con't)

M. A. VOGEL, from Yakima, Washington, we hear that M. A. is in charge of the Research and Development of agricultural chemicals at Pacific Northwest Stauffer Chemical Co., Northwest Division.

ROBERT C. WALLACE, 7011 West 96th St., Oak Lawn, Illinois. Bob is a Biology teacher at Reavis High School.

ROGER W. WILLIAMS, He lives in Tenafly, N. J., is Associate Professor-School of Public Health at Columbia University. Roger and the family spent an enjoyable summer at the University of Michigan Biological Station on Douglas Lake.

JOHN M. WRIGHT, is an associate entomologist at the Illinois Natural History Survey—Biology and Control of Vegetable Crop Insects. He is working currently on the biology and control of various truck crop insects—squash bug, squash vine borer, onion maggot—and on the use of soil treatments for vegetables. He and his wife Shirley have two children, John David and Mary Grace.

RICHARD J. YERO can be located at Libby, McNeill and Libby. Dick is company entomologist for Libby, McNeill and Libby—in charge of entomological, pathological and herbicidal work. His research consists in developing in cooperation with the University of Minnesota a method of determining the prevalence and severity of the pea root rot complex and the importance of the squash bug on pumpkin in the spread of angular leaf spot. At the present time, he is attending the University of Chicago to do work on an advanced degree in plant pathology.

JAMES ZETEK, Drawer C, Balboa, Canal Zone, Research specialist, Smithsonian Institution; Resident Manager Canal Zone Biological Area. He has spent 43 years in the tropics and will retire in two more. He states that administrative and executive work crowds out research. "There must always be a harder way of doing everything."

H. ELLIOT McCLURE, As we go to press we are in receipt of the annual lengthy Christmas letter that comes so regularly from Elliot. He is still with an army medical unit in Japan. He writes that his bird research and boy scout work keeps him busy.

SECRETARIES

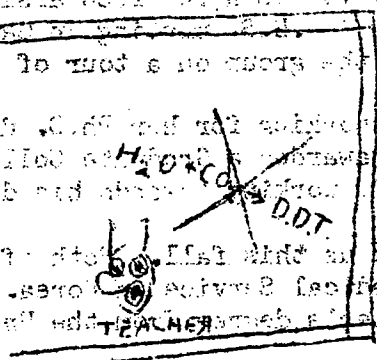


There has been a rapid succession of secretaries in and out of the Entomology office during the last year and a half. Mrs. Inez Brush was secretary beginning in the fall of 1953. Inez spent considerable time in the hospital and many people didn't get to know her too well. Inez can now be found out in sunny California where she always longed to be.

Gloria McGregor who worked here for only a short duration is from Olney, Illinois. She was a very excellent secretary and will be married on

December 24, 1954. They will reside in Louisiana for a few years until Richard Simmons is out of the service.

Mrs. Marilyn Wright is our new secretary. Mrs. Wright has come to us from the Chemistry Department, which is their loss and our gain as she has taken over very well in our department.



GRADUATE STUDENTS

Walt Atcheson-Walt is a graduate of Michigan State College where he was one of the members of the track team. Last summer he did field work under Richard Yero for Libby, McNeill and Libby. Walt is a half-time teaching assistant in the Department.

Murray S. Blum-who is expecting to enter the army this February is bidding his time studying the mode of action of pyrethrum and its synergists. He has a research assistantship and is presently working under Dr. Kearns.

Eugene M. Bravis- Graduate student whose research problem is in Med. Vet. dealing with the cytoidal action of certain high boiling tars and oils on Aedes vexans.

Hugh B. Cunningham-(M.S. Ala. Poly Inst.) is busy these days with a half-time teaching assistantship and his work on rose hips.

Victor Brookes is a research assistant working on the nutrition of the Housefly. It is rumored about that he is very proud of his movie star sister. He spent the summer at Wood's Hole, Mass. at the Main Biological Station.

L. Frank Davidson-is doing work for his M.S. under Dr. Hayes. His thesis is the comparative external morphology of Macroductylus subspinosus Fabr. and Dichelonyx backi Kirby. His secret yen is to write a textbook of grade school entomology-- sort of a "Child's Garden of Insects".

William Delaplaine-Believe it or not, after having dropped out of Graduate College many years ago and made his fortune, has decided he wants his Ph.D. degree. He is struggling bn his German and if he passes it this semester hopes to take his prelims soon.

Manfred D. Engelmann (B.S. N.U.) has a research assistantship with Dr. Horsfall. Last September he went to the A.I.B.S. meeting in Gainesville, Florida, where the Ecological Society conducted the group on a tour of the state.

Pachel Galun-Rachel has been working for her Ph.D. degree under Prof. Fraenkel and for the present year was awarded a Graduate College Fellowship. Rachel is from Israel and her husband is working towards his doctorate in chemistry.

John and James Kramer-came to us this fall. Both of them have just finished a tour of duty with the Army Medical Service in Korea. Their home is in Elgin and both have received their Master's degree from the University of Missouri.

Robert E. Lewis-(A.B. Earlham College '52) by the looks of his mustache is doing well. Right now he is busy drawing mosquito eggs for Dr. Horsfall.

Paul C. Lippold-is doing research under Dr. Fraenkel on the physiology and nutrition of the Mexican Bean Beetle.

Byron Lovell (B.X. Penn. State) a research assistant under Dr. Kearns supervision is working on the metabolic fate of Lindane in houseflies and synergistic action with DDT toward resistant houseflies. He also asked us to note that Penn State beat Illinois 14 to 12 this year.

John Lowe-John entered the Graduate College this fall and as yet has not started a thesis project.

Graduate Students (con't)

Patrick T. M. Lum-is working on the bionomics of Psorophora and has a research assistantship under Dr. Kearns.

John W. Matteson-is a Technical Assistant on the Survey staff. Research in progress - Temperature effects on the life cycle of the European corn borer and biology of the corn sap beetle.

Ivan N. McDaniel-is a teaching assistant in the Division of Biological Sciences and is interested in the bionomics of Aedes stimulans.

John McFarlane-is now working on the nutritional aspects of Vitamin BT in Tenebrio molitor under Dr. Frahnkel.

Ronald H. Meyer-is at the survey doing work on the armyworm and its life history.

Stanley S. Miyake-is working on the distribution of DDT - Dehydrochlorinase in the common housefly. He expects his M. S. in 1955.

Tom Moore-is mentioned under Survey Notes.

Moufiel Moussa-who came to us some time ago from Egypt is about to complete his Ph.D. thesis under Prof. Horsfall. He is working on the Biology of the Cloverleaf Weevil. He is planning to present a paper on his research at the national meetings in Houston.

Dan Shankland-who was with us a few years ago and left to do commercial work in California returned this fall and is a half-time research assistant working on Dr. Kearns' Rockefeller project.

Glen Ulrich-those of you who remember Glen when he was in the University some years ago recall that he was actively interested in the Air Corps where he has been advanced to the rank of Captain. After a tour of duty in Japan, Glen was transferred to the University of Illinois ROTC and is finding a little time to continue work towards his Ph.D.

Gilbert P. Waldbauer is still working on mosquito mouth parts.

Richard Wong-is from the Canadian Forestry Service and is working on Sawflies under Dr. Ross.

Robert Yamamoto-from Hawaii is doing research for his M.S. on the Nutritive values of tobacco and effect of nicotine on the growth of the cigarette beetle.

