

NEWS AND NOTES

AUSTIN W. MORRILL, JR.

NEWS AND NOTES FROM VIENNA. THE PRESIDENT-ELECT SUBSTITUTED FOR THE EXECUTIVE SECRETARY in attending the XI International Congress of Entomology in Vienna, August 17 to 25, 1960. The assignment was carried out with full appreciation of the honor and privilege of representing the AMCA as one of its official delegates. I extend my sympathy to Ted Raley relative to the misfortunes which kept him in California, but I must admit that nothing stopped me from enjoying every minute of the trip. There were extracurricular activities in London, Paris, Switzerland, and Germany which will never be forgotten.

There were many worthwhile papers, and attendance at the Congress was certainly a most rewarding experience. Receptions at the City Hall and the Natural History Museum were noteworthy affairs. The buffet in a University courtyard provided an excellent meeting place for discussions, scientific and not so scientific. Time was available for realization of the beauties of Vienna. I expected to see parks, gardens, baroque and rococo architecture, but all these were even more impressive than I had anticipated. The Hapsburgs knew how to "live it up," and today Vienna again seems happy, energetic, and prosperous.

At the Congress, it proved to be difficult to keep the sessions on schedule, a fact which caused a certain amount of frustration especially since some conflicts in timing which developed were adjusted by transposing blocks of papers from one section to another. This, coupled with the fact that the Museum and the University, where most of the sessions were held, were several blocks apart, resulted in some confusion and missing of papers. However, the route between was through parks filled with fountains and flowers, and flanked by buildings of the greatest artistic and historic interest. To those of us who were interested in the scientific, educational, historic, musical and artistic associations of the meeting rooms themselves, and of the buildings and their surroundings, there was exciting compensation for the fact that some of them were a bit crowded and not always as well suited as could be desired for the best projection of slides.

There were a considerable number of reports on research dealing with behavior of insects. There were discussions of mosquito behavior as related to feeding habits, maintenance and transmission of disease agents, flight habits, insecticide resistance and other activities. "Exophily" was defined by P. F. Mattingly as an avoidance of the human domestic environment. There are indications of a negative correlation between exophily and insecticide resistance.

A. W. A. BROWN is continuing his explorations of the factors which attract mosquitoes to a blood meal. The amino acid, lysine, appears to be an important substance in human blood. Another report by Tony B. dealt with absorption of DDT by the peritrophic membrane. Resistant strains of *Aedes aegypti* larvae excrete more peritrophic membrane than susceptible strains. There is no doubt that this is a resistance mechanism.

N. Shipitsina reported that careful observations and analyses of phenological data in the U.S.S.R. have been related to the major seasonal processes of *Anopheles maculipennis* and *Plasmodium vivax* to obtain a prognosis for the most rational dates for carrying out antimalarial measures.

Mr. Mattingly arranged a meeting for any and all interested in *Aedes aegypti*. This was an informal gathering at a restaurant where drinks could be had. There was much talk of genetics, behavior, etc., etc.

Marshall Laird, who spoke on biological control at our Boston meeting, reported in Vienna that his pilot experiment with the fungus *Coelomomyces* in the Tokelau Islands near Fiji was encouraging. He would like to expand investigations along these lines.

There was a very good representation of AMCA members at the Congress, many of whom besides those mentioned above presented papers and contributed much to the symposiums and discussions.

WILLIAM E. BICKLEY

WE ARE INDEBTED TO DR. R. C. WALLIS FOR THE INFORMATION that an interesting part of the session on Encephalitis was a paper by Our Editor, DON COLLINS and the subsequent discussion, in which Prexy DAN JOBBINS took part. Another AMCA'er to present a paper was Major H. D. NEWSON whose paper also touched off a lively discussion in which BICK took an active part. Dr. Wallis also remarked on the vitality of further informal discussions on this vital subject and mentioned Dr. DON MICKS, among others, as having taken part in the post-Congress discussions in WHO Headquarters. It must have been a stimulating experience, being there, and we wish we could all have made it.

OUR OWN MILT BUEHLER has authored a correspondence course in Pest Control which should be a must to any one who would like to brush up his professional backgrounds in basic and applied entomology and is mighty interesting to those whose daily task is to instruct and train workers in practical insect control. Milt's background is, of course, extensive, covering both commercial pest control and management of mosquito abate-

ment prior to his present commitment with the U. S. Navy. The syllabus seems to us to rank right up with ARNOLD MALLIS' classic and authoritative text and received a nice accolade from Dr. J. J. Davis, emeritus professor of entomology at Purdue, the patron saint and prophet of commercial pest control, who certainly needs no introduction from us.

THE WOULD-BE HUMOROUS ANGER OF OUR RECENT SQUIB ABOUT *Pest Control Magazine* and their threatened rivalry with this Department has brought us a mock-reproachful letter from JIM NELSON, that Journal's redoubtable editor and our fellow AMCA'er. He offers to be friends, so we guess we'd better tell you that *Pest Control*, too, is bringing out a correspondence course, in Pest Control, in 18 lessons, and prepared under Drs. J. J. Davis and John Osmun. The lessons will be published one a month for the next year and a half and, needless to say, *this* course sounds mighty fine too. So, if you remember your Oz books and H. M. Wogglebug, T.E., and yearn to be recondite and string letters after your name, here's your chance. We expect every man jack among us to appear two years from now with F.A.M.C.A., T.E., as a suffix.

SPEAKING OF HIGHER DEGREES, THE PAN AMERICAN SANITARY BUREAU IS LOOKING FOR A PH.D. in entomology who is willing to go to Latin America on malaria control on a one-year contract for \$6,000 per annum, with family allowance and cost-of-living adjustments which vary with the locale of the duty station and the civil service status. We would guess that only a brand-new Ph.D., or a retired one with an assured income would be interested at this salary but the work is of very great importance in the foreign relations of our country and would certainly be extremely stimulating and rewarding otherwise. The entomologist (or Ph.D. in a closely related discipline) would be part of a team of PASB consultants to the country to which assigned and specialized training would be provided prior to assignment. A speaking knowledge of Spanish would be desirable, according to Mr. Martin Bickford, Personnel Officer of the Bureau, at 1501 New Hampshire Avenue N.W., Washington 6, D. C.

ELWOOD LYNCH REPORTS THAT SEVERAL NEW JERSEY MOSQUITO CONTROL SUPERINTENDENTS, and a group of specialists headed by President D. M. Jobbins, motored down on 8 June to Ocean City, on the Eastern Shore of Maryland. Maryland was represented by a group including Dr. Bill Bickley and Dr. George Langford. Dr. Langford was toastmaster that evening at the banquet for the occasion, which was one of those famous Eastern Shore, Maryland-style fried chicken dinners, after which Dr. Bickley described the Maryland program and preventive control measures were discussed. Although Maryland's program is only a little over four years old, they were able to show the experienced New Jersey group some very satis-

factory progress. Afterward, they were led by Elwood Lynch on a tour of current activities, including typical marshes, the new Eastern Shore Headquarters at Salisbury, an impoundment being operated by the State Fish and Game Commission, and the operation of ditching and spraying equipment in current use.

DR. E. F. KNIPLING WAS RECENTLY HONORED BY THE U. S. DEPARTMENT OF AGRICULTURE which bestowed on him the Distinguished Service Award for outstanding achievement in research and administration. It's no surprise to us, of course, that Knip deserved all this but it is gratifying that the U.S.D.A. finally woke up to it. We make no secret of thinking that our AMCA'ers in the U.S.D.A. honor the Department more than it ever can honor *them*, but Department honors are not distributed lightly.

WE'VE MENTIONED BEFORE THE INFORMATIVE (AND PROVOCATIVE) MEMORANDA TED RALEY SENDS US FROM TIME TO TIME. SINCE YOU ARE ALL COMING TO CALIFORNIA FOR THE MEETINGS we think you should know that a recent memorandum told about something Californians are prouder of than Disneyland. SAN JOAQUIN MAD has now enrolled 100 percent of its Trustees in AMCA, which brings to *four* the number of California MAD's so represented. The others: SOUTH-EAST, EASTSIDE and SAN MATEO. Take a bow, LES BRUMBAUGH, GARDNER McFARLAND, GORDON SMITH and DON GRANT!

WE ARE SURE THAT ALL OF AMCA IS GOING TO BE PROUD OF THE MEETINGS WHICH THE CALIFORNIA MOSQUITO CONTROL ASSOCIATION is working up for us. In addition to the meetings themselves there is to be a Mosquito Caravan to San Francisco which will give AMCA'ers a chance to view work being done by the cooperative encephalitis project in Bakersfield, the California Bureau of Vector Control in Fresno, the University of California in its several Bay Area locations, the U. S. Public Health Service Communicable Disease Center field station and others. In this connection JOHN SHANAFELT sends us a copy of a letter from Dr. J. D. Mabbett, Chief Health Officer of Brisbane, Queensland, Australia, (the letterhead didn't say anything about Australia and we have a little Brisbane near San Francisco, so we were a bit confused by this interest in the caravan, to say nothing of the reference to *Aedes vigilax*.) Dr. Mabbett expressed an interest in seeing places and talking to people concerned with similar species or species presenting similar problems. Dr. Mabbett's *vigilax* is a salt-water species having a flight range of approximately 40 miles on favorable winds. Ring any bells?

THE SIGHTSEEING TOURS IN THE LOS ANGELES AREA INCLUDE HIGHLY INTERESTING RESEARCH AS WELL AS TOURIST SITES. There is nearby, not only Orange County MAD but also the University of California at Westwood and at Riverside, with

faculties too well known to need introduction. The tourist sites will include a tour for the ladies to famed San Juan Capistrano Mission, of swallow legend, and a luncheon at the Victor Hugo at Laguna, noted for good food as far back as we can remember, which is no mean distance. If reservations are made by Sunday night, 29 January, a tour will be made of Hollywood where for a mere \$5.50 a visit will be provided to Grauman's Chinese, home of many a "fabulous premier," the Brown Derby, the truly fabulous Farmers' Market, U.C.L.A., and a lot more en route. On Monday, for \$4.25 total, a tour will go to Marineland. Better come early!

ACCORDING TO VIRGINIA'S *Sheeter*, ENCEPHALITIS HAS BEEN ISOLATED FROM 15 OR SO OF THE FAMOUS CHINOCOTEAQUE ISLAND PONIES. Fortunately, no human cases appeared, possibly due to the fact that the deaths of the ponies occurred in October. Another late fall problem, heritage of Hurricane Donna, was the unusually large emergence of *Aedes atlanticus*, the denison of field and woodland ponds and scourge of the hunters of deer and dove. This year: more water, more ponds, more hunters (that is to say, hunters of hunters).

IF YOU'VE BEEN READING US AT ALL CLOSELY . . . AND OF COURSE ALL OF YOU DO . . . YOU MAY REMEMBER THAT WE'VE BEEN KIDDING CHET ROBINSON about having house fly problems dumped into his lap, sort of, and have also respectfully recorded the magnificent program of public education he stirred up. In August, Chet's Alameda County (Calif.) Mosquito Abatement District, in conjunction with the Farm Advisor's Office, conducted a residual fly control demonstration at a chicken ranch, with some new adulticides, and preliminary results were very promising. Not satisfied with advancing public education in the fly control field, however, Chet also evangelized those perennial problem children, the duck hunters. The cooperation of these clubs, both in redesigning their ponds and in delaying the putting in of the water until late in the season has resulted in what observers have claimed to be the greatest improvement in mosquito control ever obtained in these areas.

GEORGE BURTON WAS THROUGH SAN FRANCISCO A SHORT TIME AGO en route from Kerala, India, to Washington, D. C., via British Guiana. He had with him a fine film strip on filariasis in India which is obtainable from CDC in Atlanta, and showed us also some shots which seemed to us quite remarkable of *Munsonia* larvae attached to the roots of *Pistia* and *Eichhornia*. Some of these photos are reproduced in publications which appeared in the *Indian Journal of Malariology* and described very interesting observations on the attachment habits of *Munsonia*.

AN AMCA'ER WHOM WE USED TO THINK OF AS A FRIEND has sent us a quotation to the effect

that, "There's only one thing really wrong with the younger generation . . . a lot of us don't belong to it any more." One AMCA'er to whom this definitely does not apply, however, is DICK GERHARDT, who is proving it by taking a giant step into a new career . . . teaching. Dick has left California (how could he do that?) for Colorado, where he will be an Assistant Professor at Adams State College. His wife and family, caught in the school year routine, will follow when they disentangle. Good luck, Dick, and don't forget your little friends . . . or Us.

ROY FRITZ IS EMBARKING ON A NEW AREA OF HIS OLD CAREER and we wish him luck and bon voyage, too. Roy has been appointed to serve for a period of five years on the World Health Organization's Expert Advisory Panel on Malaria, according to a letter we received from the Office of Public Health of the International Cooperation Administration. Roy is presently Chief of the Malaria Eradication Branch of that office and though we seldom here from him we often hear of him in one part of the world or another. Ah, youth!

WHILE WE'RE ROUNDING UP ENERGETIC MEMBERS, HERE'S ALSO W. S. MURRAY. Bill is Entomologist for the Area Public Works Office, Chesapeake, the Navy's Potomac district which encloses Washington, and has been for some months the Chairman of the Membership Committee of the Washington Entomological Society. Memberships have been pouring into this venerable society at a great rate from all over. Corresponding Secretary is PAUL WOKÉ and Recording Secretary, ERNESTINE THURMAN. Need we say more? End of Section on Admiring Our Energetic Members.

SPEAKING OF DICK GERHARDT REMINDS US THAT WHEN TED RALEY SENT US THE LATEST LIST OF AMCA MEMBERS WE WERE INTRIGUED TO NOTE THAT A NUMBER OF MEMBERS HAD THE SAME FAMILY NAMES. We enquired into a few of them and found that we did indeed have several brother or father and son teams and Who's Who this month is dedicated to them. Any one else know of more?

CHARLES E. GERHARDT like Dick (Vol. 18, No. 3), was born in Hillsboro, Illinois, though in 1910, so they aren't twins exactly. Charles attended Illinois College, got his M.S. from the University of Iowa and did graduate work both at Wyoming and Illinois. He is a commissioned officer in the U. S. Public Health Service, with the grade of Director, and is President of the local chapter of the Public Health Service Commissioned Officer Association. He is also a member of the Entomological Society of America, the Association of Tropical Medicine and Hygiene, R.E.S.A., and us. His present address is Charlottesville, Virginia, where he is Chief of Region 3 under the PHS Communicable Disease Center. He still optimistically and hopefully says his work is ento-

mology as well as administration but his only time for hobbies is hunting, a two-weeks a year possibility.

ROY E. TWINN is the son of Dr. C. R. TWINN (Vol. 15, No. 1) and head of his own business, the Twinn Pest Control Co., Ltd., of Ottawa. Roy was born during his father's graduating year at Ontario Agricultural College, at Guelph and attended school in Ottawa. He was a Warrant Officer in the Royal Canadian Air Force as wireless man and air gunner and then switched to the Navy in wireless and radar. At about this same time he married, his wife being then with the Winnipeg Ballet, and with all these talents to draw on, their four children must be a mighty accomplished lot. Roy's hobbies are still flying and boating, and he is a member of the National Pest Control Association, the Canadian Pest Control Operators Association, the Ottawa Flying Club and the Aircraft Owners and Pilots Association.

GEORGE AND MARCO GIGLIOLI are a father and son team, too, and between them they have roamed the world so widely we hardly know where to begin. George (pere) was born in Portici, Italy, in 1897, and attended the University at Pisa, receiving his M.D. in 1921. The next year he went to London and thence as Chief Medical Officer for a large Bauxite Co. in British Guiana, which is where he still is, now as Medical Advisor to the British Guiana Sugar Producers Association. In between he has been malariologist to several sugar estates and to the Government, collecting several honors which include the Order of the British Empire (Officer). He has been a member of the WHO Expert Panels on Malaria and Parasitic Diseases, the Pan American Sanitary Bureau's Advisory Committee on Malaria Eradication in Washington, the Standing Committee for Medical Research in the British Caribbean Territories, and WHO consulting assignments in Mexico (1949), Nigeria (1952), Somalia (1954-57), Afganistan (1956), and Venezuela (1958 and 1960) and lecturer at the Malaria Eradication Center at Kingston, Jamaica, and many other things. His hobby is photography and with all those chances you can see how it would be, as well as soaking off labels from his luggage. Marco (fils), was born in British Guiana and studied there and in Italy and then at McGill University, where he received his B.Sc. with honors, together with the Hiram Mills Medal and the Fantham Memorial Prize. He received his Ph.D. from London and is a Fellow of the Royal Entomological Society, the Royal Society of Tropical Medicine and Hygiene and us. After an assignment with WHO in Liberia, he has for the last three years been with the Medical Research Council doing research in *A. gambiae* in Gambia. His hobby is photography, too. (We'd like to see the pictures!)

BRUCE BROCKWAY (Vol. 18, No. 2) and BRADFORD BROCKWAY comprise our last team, brothers

this time, whose father was widely known and highly regarded by mosquito control men and especially by AMCA. Bruce threw a scare into us awhile back when a routine change of address set off a rumor he had left mosquito control, but he has hastened to scotch this. Brad is the President of the Concession Supply Company, whose ads have been so long a feature of *Mosquito News*, and we never knew that until now. Brad was born in 1905 in Toledo, Ohio, and attended school there and in Maryland and finally wound up at Albion College, Michigan, where he received his A.B. After four years in the Navy in WW II., he came back to find that his father and brother needed mosquito traps and added these to his line of manufacture. This has kept him increasingly busy (which astonishes no one who uses his excellent traps—adv't.), although his numerous other items would do that anyway. Nevertheless, he is a member of the Masons, the American Legion, Sigma Chi (of which he was Chapter President in Albion and later Alum prex), Sons of the American Revolution, the Chamber of Commerce, past President of the American Recreational Equipment Association, member of the Association of Amusement Parks, Pools and Beaches, the Showman's League, the Toledo Zoological Society and several others. Maybe we should have mentioned him in our list of Most Energetic Members!

WE HAVE RECEIVED REQUESTS FOR INFORMATION ON THE FLIGHT RANGES OF SEVERAL SPECIES OF MOSQUITO and we don't have much but general impressions, really, to go on. No data at all, in fact. Does anyone know, for instance, what the flight range of *Culex salinarius* is? We have been told it was not far, nothing like so far as that of everybody's friend *Aedes taeniorhynchus*, for example. On the other hand, we've seen reports that it has been known to cruise five, ten and even nineteen miles over water. Does anyone have any records on this, including records on how often such flights have been seen to occur? We'd like to hear.

CHET ROBINSON'S ALAMEDA COUNTY (CALIF.) MOSQUITO ABATEMENT DISTRICT has been educating people on mosquitoes as well as flies lately. At the Alameda County Fair they had a spectacular exhibit which consisted of a thirteen foot *Culex tarsalis* of plywood (painted with all the proper markings with the assistance of DICK PETERS' Bureau of Vector Control, consisting of AMCA'ers too numerous to mention individually). The beast has flashing red eyes, a three foot long glass proboscis through which a red fluid bubbled, and legs of black plastic pipe. There were also two bowls, one with mosquito larvae and one with *Gambusia*. During the run of this "show" they distributed 5000 of the District's educational pamphlets. The kind of control they have, though, this was probably the only place most of the constituents ever see a mosquito! (Ah, there, Chet!)

A WORK CONFERENCE ON BLACKFLIES WAS HELD AT QUEEN'S UNIVERSITY, BIOLOGICAL STATION, CHAFFEY'S LOCKS, ONTARIO, SEPTEMBER 23-24, 1960. Twenty-five specialists and other biologists from Canada and the United States were in attendance. The program, under the chairmanship of Dr. B. V. Peterson, included informal discussion sessions on the systematics, ecology, economic importance, and control of the Simuliidae.

The first of these conferences was held at Guelph, Ontario, on November 1, 1958, with fourteen blackfly specialists from the United States and Canada and ten other interested entomologists in attendance. A third conference will be scheduled for sometime in 1962.

The accompanying figure is a photograph of

the participants in the second conference, i.e., the one held recently at Chaffey's Locks:

1st row (sitting) from left to right: Dr. G. R. DeFoliart; Mr. F. J. H. Fredeen; Dr. H. E. Welch; Dr. B. V. Peterson; Dr. G. F. Bennett; Dr. L. Davies; Dr. K. R. Rothfels; Mr. D. G. Peterson.

2d row (kneeling): Dr. K. M. Sommerman; Dr. D. M. Davies; Mr. H. G. James; Dr. A. M. Fallis; Dr. A. S. West; Mr. G. E. Shewell.

3d row (standing): Dr. F. Whiting; Dr. P. K. Basrur; Mr. R. W. Dunbar; Mr. J. Pasternak; Dr. H. A. Jamnback; Dr. A. P. Arnason; Mr. R. J. Phelps; Mr. D. M. Wood; Dr. A. Stone; Dr. J. R. Anderson.

—B. V. Peterson, Entomologist,
Canada Dept. of Agriculture



BLACK FLY BIBLIOGRAPHY. 26 pages. Offset. Copies available free from C. W. McComb, Assistant, Department of Entomology, University of Maryland, College Park, Md.