

NEWS AND NOTES

AUSTIN W. MORRILL, JR.

NO DOUBT YOU READ IN THE NEWS LETTER WHAT A REALLY GRUELLING SESSION OUR GREAT BOARD OF DIRECTORS PUT IN. Afterward, our hardworking Executive Director DON MURRAY pepped up the old blood circulation with a few fast sets of tennis with Jill Collett, GLENN's tournament class daughter (Don felt it was probably the 5000 ft. altitude and not the age differential that slowed him down a bit . . . altitude makes tennis balls bounce strangely as we all know). Then he and Fran went to Ohio, Don's old Alma Mammy, and lucked into the meetings of the Ohio MCA, which were held in a lodge in Mohican State Park, about 70 miles NE of Columbus. A beautiful lakeside spot and Don was full of praise for the excellent papers delivered with an easy informality that made us think of log fires, hot toddies and good conversation against a backdrop of rain against the windows. If only ALL meetings could be like that. PEG PARSONS conducted a tour of her Vector-Borne Disease Unit of the Ohio Department of Health while Don was at the Ohio State campus, which he found very impressive, too. The happiest part of the Ohio MCA meeting was the attendance of GEORGE CARMICHAEL to deliver an invitational paper, something we're *all* happy to hear about.

TOMMY AND HELEN MULHERN MEANWHILE WENT FROM UTAH DOWN TO ARIZONA, where they visited members of the family and also had a chance to see ROY FRITZ and Eleanor in Sun City. Back in February, Roy and Eleanor celebrated their fortieth anniversary by flying to Taiwan, Singapore, Bangkok, Penang and Hong Kong. ROY's still busy as can be with his 4H Club boys and their blue-ribbon entomology projects.

DR. MANABU SASA, MAJOR ALAN GILLOGLY, RAUL MARIOQUIN, TOM LAURET, CDR STAN HUSTED and BILL GEBHART WERE AMONG THE ENTOMOLOGISTS WE HAD WONDERFUL MEETINGS WITH IN TOKYO LAST OCTOBER and NOVEMBER. Dr. Sasa has left his position as head of the Department of Tropical Medicine at Tokyo University to head up the Research Division of the Environmental Protection Agency, a Division he is creating. Leaving filariasis ensconced in his monumental book, he is now delving into the effects on non-target organisms of many

chemical contaminants of the environment, including, of course, our own dear insecticides. Since his concern with the environment is informed by his long knowledge of the proper uses of these materials, his researches should be mighty useful both to Japan and to us. (Assuming OUR EPA will listen.)

Allan Gillogly is the new medical entomologist at the U.S. Army Hqs. at ZAMA (his beautiful and charming wife is an entomologist too) and has already plunged deeply into the Japanese culture around him. So have Raul and his (also charming but not entomological) wife, who teaches school and is deep into classes in a number of things of local interest. And Tom, Stan and Bill were visiting from Honolulu and Washington D.C. to review (among a lot of other insect programs) the record in mosquito control for the past season. We called on Dr. Sasa and spent several lovely hours looking at all his new layout. Visiting a fine laboratory makes us mighty nostalgic for our own dear dead days before WWII. But as they say in Honolulu, "You betta off." Dr. Sasa's laboratory is in a "Scientific City" in Ibaraki Ken, reached by a scenic ride on the train north of Tokyo Bay. It's a Must-see for any vector control types who are lucky enough to get to the Entomology Congress in Kyoto this year.

WHILE WE'RE IN JAPAN, WE SHOULD NOTE THAT WE ALSO HAD THE PLEASURE OF A VISIT WITH YUICHIRO TABARU, ENTOMOLOGIST FOR SANKYO CHEMICALS, WHO TOLD US ABOUT HIS PLEASANT TWO WEEKS WITH GAIL GROTHAUS A YEAR AGO. His particular interest at that time was chironomid control, also an interest of Dr. Sasa's and a big problem in Japan with their many drainage canals and roadside ditches in the older parts of the cities. These canals are nicely lined but are open nonetheless and open also to chironomid access, as are rice paddies and the like. Because of the importance of fish either in the breeding areas or others into which they may drain, the choice of insecticides, and of control methods, is limited indeed. (You think YOU have problems?) Gail showed Yuichiro some oxidation ponds and, of course, Yuichiro had already been well acquainted with articles in California *Vector Views*, which Gail edits, as well as in *Mosquito News*.

(Sankyo is a subscriber.) Sankyo makes a wide spectrum of materials from, chronologically, pyrethrum to premethrin, including some we don't have, and we had a very interesting talk, needless to say, about the results of their investigations. (They're having good success with premethrin against fly-breeding in chicken houses.) We ended up with lunch of a wide variety of *sashimi*, which we like, a little, and delicious fish soup and delicate mushrooms and like that, which we like a lot. If you're coming this year, get ready.

AT ABOUT THAT SAME TIME, DICK PETERS WAS SASHAYING AROUND IN CHINA and if he reads this, we trust he'll tell us all about it in time for June. (Deadline, 10 APRIL.) We'd love to go there. To see if they really have any fulgorids like the Chinese Lantern Fly that so fascinated us in Entomology 1. And does the Chinese Wall really keep out mosquitoes?

MEANWHILE ALSO, JAY GRAHAM WAS IN BRASIL FOR PAHO and allowed as how it was a great country and provided a great (entomological) experience as well. Want to amplify that a bit, Jay?

TO GET BACK TO CHINA CHAPPIE CHAPMAN WAS IN A GROUP LED BY NORM GRATZ that visited the People's Republic of China from 22 October to 10 November. Others in the party included BOB LINKFIELD, CHARLEY SCHAEFER, LEE SELF AND ED SMITH along with eight industry scientists from Denmark, West Germany, Japan, Switzerland and the United Kingdom. There were lectures and group discussions with corresponding scientists of many institutes in Peking (which we shall NOT call Beijing), Jining, Shanghai and Canton, so they covered the geographical spectrum except for the Wall and Manchuria. The visit was designed mostly to bring word TO the scientists of China of what the outside world is doing about rats, house flies, bedbugs and mosquitoes and Dr. Chapman was impressed with the utter cooperation and good will shown them during the visit.

ODEH HABASH SENT SEASON'S GREETINGS TO TOMMY MULHERN and through him to all of you who met him on his tour as a WHO trainee. He is now back in Honiara in the Solomons. Two retirees well known to all of us, JIM GAHAN and JOHN STIVERS, are now happily in Florida. Jim, in Gainesville, is now active in the Camellia Society and was program chairman for their fall meeting, as well as receiving

blue ribbons on *each* of the three he had entered in the flower show. John, who is "retired" into a counsultantship for Ag-Air, has been dashing about, twice to Paksitan, once to Haiti and once to Las Vegas (well!) . . . ALL noted mosquito sites.

YE ED THINKS (PERHAPS WISTFULLY?) THAT SOME OF YOU MIGHT BE INTERESTED TO KNOW that the *CBE Style Manual*, 4th Edition, is now hot off the press. This publication of the Council of Biology Editors is a guide for authors, editors and publishers in the biological sciences and contains valuable information and help on the planning and preparation of articles. It is invaluable to anyone who thinks of publishing the results of his investigations in a form to be understandable to others working in the field (which is, after all, the purpose of publishing) and is available from the American Institute of Biological Sciences (AIBS) of 1401 Wilson Blvd., Arlington, Virginia 22209. And only \$12.00, postage incl.

THE ENTOMOLOGY COMMITTEE OF THE CALIFORNIA MVCA AND THE SOCIETY OF VECTOR ECOLOGISTS HELD THEIR JOINT MEETING in Monterey on 3 and 4 January 1980 and it was very well attended (80 or 90, which is darn good in view of the competition of That golf course). The highlights, for us, were two papers on malaria, one on integrated control in the Philippines, by LCDR LARRY LEWIS and the other on the current status of malaria in California, by Dr. Ronald Roberts. Yes, malaria CAN occur in California and did, disastrously, as recently as 40 or 50 years ago. There were other papers on *Loxosceles* spiders and tick-borne viruses, of high interest but not about mosquitoes.

THE CMVCA'S BIOLOGICAL CONTROL COMMITTEE MEANWHILE HAS BROUGHT OUT IN THEIR *BIO BRIEFS* a very good summary of mosquito pathogens and predators, such as *B. thuringiensis israelensis* . . . also against *Simulium darnosum* . . . and fungi ranging from *Coelomomyces* to Fungi Imperfecti, and, of course, including *Romanomeris culicivora*.

AND WE THINK THIS RATES A SPECIAL PARAGRAPH . . . *BIO BRIEFS* ALSO REPORTS THAT EPA IS NOW TRYING TO URGE DEVELOPMENT OF NEW PESTICIDES! (Are you ready for this? Don't get too excited.) Only the ones that they call "biorational" ones, not the kind that are "inherently" poisonous. It may be uphill work, inasmuch as any emotional kook or publicity-

seeker can kill the results of million-dollar expenditures by "challenging" the validity of experimental results he is not equipped to understand; but we applaud it anyway. Heretofore, the "biorationals" (love that word) required the same costly and painstaking testing and data studies as non-rational chemicals which with faintly blasphemous judgment have been considered *unnatural*. We don't ourself think that Man can do anything that God hasn't already provided for but if this neological appellation will keep off the kooks, we're all for it.

BRUCE EZELL SENT US A COPY OF HIS NEW PR BULLETIN ENTITLED *MOSQUITO BEATER*, WHICH HE THOUGHT SOME OF YOU COASTAL TYPES MIGHT BE INTERESTED IN and we think you might. It's designed for general public reading and is very attractive. Limited quantities are available through Bruce or the South Carolina Sea Grant Program. "To my knowledge," Bruce writes, "we have one of the few Sea Grant-funded Mosquito Research programs in the country as many Government bureaucrats do not believe that *any* insects live in saline marsh environments or that saltmarsh mosquitoes can be considered as 'marine creatures.'" (They should try to change a tire along the Overseas Highway to Key West). Anyway, the bureaucrats did all right this time in not only the grant but providing what it took to get out this attractive little one-sheet folder. The Program address is: P.O. Box 12559, Charleston, S.C. 29412.

BRUCE'S LETTER GOES ON, "Everyone seems to be interested in 'firsts' . . . where was the first mosquito collected (not swatted, thank you) in the New World?? My bet is that the first scientific mosquito collection from the mainland US was in none other than Charleston, SC . . . can anyone top this assertion? My authority for this bold claim is none other than former Prexy of the AMCA, Dr. K. L. KNIGHT, who has noted to me a letter that *Psorophora (P.) ciliata* (Fabricius) was 'undoubtedly' collected by Louis Guillaume Bosc d'Antic at the Gardens of Andre Michaux near Ten Mile, SC, ca. 1794, (which is) now considered to be a part of Charleston, SC." Bruce sent us a nice clear kodachrome slide of a granite marker in what appears to be a public park, bearing the inscription, "Site of The Botanic Garden established 1786 for the Royal Government of France by Andre Michaux." Est-ce que vous voudrais mettre un pari, messieurs?

WE MENTIONED BEFORE THAT THE NAVY'S FAMED NAMRU 2 WAS MOVING FROM THE REPUBLIC OF CHINA IN TAIWAN. They are now ensconced in the also-famed San Lazaro Hospital Compound, home of the Bureau of Research and Laboratories of the Philippine Ministry of Health, where the Malaria Unit was established by Dr. Ejercito in 1946 and where in time past have been located the USPHS and the offices of AID and the regional office of WHO, now in a gull-orious building of its own in Ermita. The new address of NAMRU 2 is APO San Francisco, Calif. 95628. The very active detachment in Jakarta remains as it was.

STEVE CREECH OF THE MONROE COUNTY (IND.) HEALTH DEPARTMENT SHOWED SO MUCH GIT-UP AND-GIT IN ESTABLISHING HIS MOSQUITO CONTROL PROGRAM THAT WE'D LIKE TO SHARE HIS ACCOUNT WITH YOU, AS PUBLISHED in the *Journal of Environmental Health*:

"In 1976 when the Monroe County Health Department decided to begin a Vector Control Program it was faced with two problems common to most Health Departments when beginning new programs; that is (1) lack of expertise and training, and (2) lack of funding.

"Fortunately, the first problem was overcome with the able assistance of the Indiana State Board of Health and their #1 mosquito man, Mike Sinsko. This writer, like many of the local health personnel throughout the state, attended one of the mosquito identification courses offered through the Indiana State Board of Health.

"However, upon return to work following mosquito school the realities of no funding for this program became an immediate and pressing need. In order to overcome this liability the department turned to outside sources within the community for help. It was not long in receiving it.

"Through 1976 the Environmental Health Division of Indiana University opened up their lab facilities for our use when working with mosquitos. Since little more than a microscope was required for an initial survey this arrangement worked quite nicely.

"In the Spring of 1977, still no money was available for mosquito control so this department made contact with Dr. Frank Young of the Department of Entomology at Indiana University. Through Dr. Young we were given (1) access and keys to a biology lab on the I.U. campus and (2) access to Dr. Young's private collection of adult mosquitos for comparative purposes. With this equipment we were able to greatly increase our knowledge of the mosquito population of Monroe County.

"For 1978 we had been appropriated \$1000 for mosquito equipment *and* supplies. Knowing that this would not go far, we began to look for other sources to assist us with our program. After presentation of a program on mosquitos and more specifically on what we could and could not do because of our funding dilemma, the Bloomington Central Lions Club through their committee committed themselves to purchase the needed equipment for a small scale program such as ours. This included several hand sprayers with carrying cases, repair kits for the same, and a cart for transporting them. Altogether this cost amounted to \$676.45, all of which was paid for by the Lions Club.

"With that amount not having to be spent to buy equipment, the department was able to use all of its appropriation of \$1000 to purchase supplies after the County Council granted a transfer of funds. In addition, Dr. Young had some extra money left in his equipment budget and purchased three (3) light traps for our use.

"Realizing that not everyone (indeed most people) who read this may not have access to all the resources mentioned here, there are some community resources in almost every city or town which can be tapped and utilized to assist you in your vector control efforts.

"While not every community has a college or university handy to work with, there is a high school with a biology lab and equipment in at least every county in the state. Usually you should be able to arrange to borrow a microscope at least, or perhaps have access to the entire lab. Along these lines you should be able to locate at least one individual (perhaps a local high school biology teacher) who is interested in mosquitos and would be willing to assist you in some way either directly or through the loan of equipment.

"There are many service clubs just looking for a community project and these are in almost every locality throughout the state. You should probably make contact first by offering a program (these clubs are always in need of programs) on your department or your vector control program. After the members are aware of you and what you are trying to accomplish it will be possible to ask for some assistance with your program. Equipment is the easiest to handle as it does not involve any transfer of funds or does not have to be receipted. Perhaps too, you should be discreet about your inquiries and the funds (if any) available for community projects such as this. Some clubs may not be in a financial state so as to be able to assist you or may not have the mechanism to allow them to do so.

"The experiences of this department show that many individuals and groups within the community are willing and ready to offer aid and assistance to you if approached in the proper manner. Those of you having some difficulty with your vector control programs should solicit this help and assistance, as our experience has shown it is usually freely and gladly given." Bravo, Steve!

MEANWHILE DAVID HUGHES SAYS HIS NEWLY-FORMED NORTH MORROW COUNTY (OREGON) VECTOR CONTROL DISTRICT has just completed its first control season with "some degree of success." Dave asks us to express his thanks to all AMCA'ers who helped him with his "freshman" orientation and assisted in the organization of the district. Special thanks go, he says, to MARSH MEYERS of the West Umatilla (Ore.) Vector Control District and past-Director for the Northwest Region, for his invaluable administrative and technical help throughout the year. The North Morrow VCD is located in Boardman, Oregon, along the Columbia River and about 40 miles due west of Pendleton, site of the famous Roundup (but not the shirts). "Please stop in for a visit if you are in the area," adds David, and we certainly will.

ABOUT THE TIME YOU READ THIS, OR A LITTLE LATER, ONE HOPES, THE NEW JERSEY MOSQUITO CONTROL ASSOCIATION IS HOLDING ITS SIXTY-SEVENTH ANNUAL MEETING at Cherry Hill Inn in the town of that name. This year's meeting is honoring HELEN SOLLERS-RIEDEL for her many contributions to mosquito science and Prexy GLENN STOKES hopes to be there to witness the well-merited award. Congratulations, NJMCA and felicitations, HELEN!

NORTHWEST MOSQUITO AND VECTOR CONTROL ASSOCIATION'S 1979 ANNUAL CONFERENCE was held in Vancouver and presented some very high-level discussions in the fields of both research and operations. The Province of British Columbia gave them a hearty welcome and the BC members put on a great production according to JOHN CALLICRATE who reminds the authors of the great papers to send them along ASAP to TONY KLUGE of the Simon Fraser Health Unit, 644 Poirier St., Coquitlam, B.C., Canada V3J 6B1. (They must have a computerized postal service up there. Wish we did.)

GIL CHALLET REPORTS THAT THE 48TH ANNUAL CONFERENCE OF THE CALIFORNIA MVCD, HELD 20 TO 23 SEPTEMBER IN ANAHEIM HAD

OVER 200 REGISTRANTS. The Memorial Lecture was by Dr. TELFORD WORK of UCLA, honoring HARVEY MAGY. State Senator Rose Ann Vuich was another speaker. She is a dedicated supporter of mosquito and vector control as a necessity of modern civilized living and has sponsored legislation reinstating State subvention for counties with low property tax bases, a taken-for-granted matter in the days B.J. Three members received Certificates of Merit: WARREN COOK, of Madera, for initiating the Vector Control Joint Powers Agency which provides reduced insurance costs for the 27 member agencies, BILL HAZELTINE, of Butte, for his legislative work in screening and evaluating legislation throughout the year (and would you believe LOBBYING?), and DON WOMELDORF, head of the State Vector Biology and Control Section, for his work in securing enabling legislation and regulations for State services to the localities. The new officers are: EUGENE KAUFFMAN, PREX, DON MERRITT, Pres-Elect, EMBREE METZGER, VP, and JIM CATON, Secy-Treasurer.

BLAIR HELSON WRITES FROM THE UNIVERSITY OF GUELPH IN ONTARIO to tell us about a two-

year contract from the Federal Department of Supply and Services in Canada, which was received recently by Dr. REINY BRUST of the University of Manitoba, to determine the need for and feasibility of establishing a Canada Biting Fly Centre. The Centre, located in Winnipeg, would be responsible for the collection and dissemination of information, for providing resource material and advice on control programs, and for assessing research priorities. Dr. MARY CHANCE was employed in July of last year as Manager and she and Dr. Brust will be contacting research, extension and control people across Canada. (They should ask fishermen and hunters! Especially up Churchill way.)

AND FOR AN UPBEAT GRAND FINALE, OUR PREXY GLENN STOKES' ANNUAL REPORT FOR 1979 came in just as we go to press. This FULL COLOR job is really more of a primer of mosquito control; though the report aspects are there, they sort of act as illustrations or examples of the basics. Ask for one. They'd be cheap at a dollar plus postage and handling! No coupons.

FLORIDA ANTI-MOSQUITO ASSOCIATION

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Scheduled Annual Meetings

April 27-30, 1980—Ramada Inn—Ft. Walton Beach

April 26-29, 1981—Bahia Mar, Fort Lauderdale

April 25-28, 1982—Sandpiper Bay—Port St. Lucie

February 27—March 2, 1983—Joint Meeting with American Mosquito Control Association—Contemporary Hotel—Walt Disney World