

NEWS AND NOTES

AUSTIN W. MORRILL, JR.

ANY OF YOU PORE SOULS WHO CAME TO HAWAII FOR YOUR CHRISTMAS VACATION AND SAT AND SAT AND LOOKED AND LOOKED DISMALLY AT THE DISMAL DISMAL RAIN, we're sorry as all get out. Not sorry 'bout that sorry, but really and TRULY sorry. Well, it ain't so much you tourist types, actually, we were thinking about . . . it was US. It wasn't raining rain to us it was raining *Jatigans* . . . and *albpictus* and *vexans*. Well, if you were here, through the clouds, you may have been able to glimpse what PAT NAKAGAWA and his men were doing about it, because what they were doing about it was breaking out the spray planes and the helicopters and the malathion and the Dursban and like that. It worked, too, mighty well. But do you know? It kept right on raining anyway. Didn't stop a drop.

W. DON MURRAY IS THE PERMANENT SECRETARY OF THE CALIFORNIA MOSQUITO CONTROL ASSOCIATION, cause he does it so well and nobody else is willing to tackle it, as many of you know. But that's not the news or note. The story is that Don sends out little pep talks about mosquito control and among other things tells us expatriates we can still belong to CMCA if we're a mind to. He sent along an CMCA application blank . . . and guess what? Right along with it he sent us an American Mosquito Control Association membership application blank, too. We wondered if he was trying to tell us something. Like get smart and round up a member or two.

THE CMCA ANNUAL MEETINGS WERE HELD IN LOS ANGELES ON 26 THROUGH 29 JANUARY AND THEY HAD NOT ONLY A LARGE ATTENDANCE BUT A LARGE PROGRAM with every minute packed full of up-to-the-minute presentations including the finale . . . by outgoing prexy JIM BRISTOW and incoming JIM ST. GERMAINE. California had rain, too (sorry 'bout that), according to JACK ROSEBUSH who sent us a large yellow button that says "I am a Skeeter Beater," and also notes that the forthcoming CMCA publication "Mosquito-eating Fishes in California," may be forthcoming at any moment now and should be of interest elsewhere, as well. There were papers by BILL REEVES, CLAUDE SCHMIDT and JIM SMITH on arbovirus and related vector aspects, TOMMY MULHERN moderated a panel, on high altitude-low volume spraying, made up of GENE KAUFFMAN, ART. GEIB, GEORGE STAINS and DON WOMELDORF; and ERNIE BAY, BOB WASHINO and "CHAPPIE" CHAPMAN talked about those mosquito fish and other mosquito predators, parasites and pathogens; and RALPH BARR told about genetic incompatibility. Of course, EVERYTHING, was excitingly interesting, but we mention these because they have

such wide application. (Here in Hawaii, for instance, PAT NAKAGAWA is using *Gambusia*, *Tilapia mozambique* and some of ERNIE's instant fish, with fair to considerable success.)

Well, having cleverly got back to the subject of Hawaii, let us tell you that among other notables sighted braving the rain to see the world-famous Kodak HULA show was ED LOOMIS. (It's all right . . . that pretty little *wahine* in the lei was Mrs. Ed.) They were en route to CSIRO, Long Pocket Lab, in a place called Indooroopilly, Queensland, which, Ed says, is about 5 miles out of Brisbane. AUSTRALIA, not California. It's summer there now and where we just were it was 110° but where the Loomis' are it's delightful. Good luck Ed, and a happy year!

JUST AS WE WERE GETTING BORED WITH OUR LITTLE JOKE ABOUT AEGYPTERAD AND WERE ABOUT TO CALL THEM BY THEIR RIGHTFUL DIGNIFIED NAME, we got word from ART KIDWELL that AAEP has felt the knife, but *deep*. However, January was a new year and FY 1970 is not far off and, as the airlines found out in the Pacific, this is an ever-changing world. So we shall keep our thumbs up for you, AAEP. At the ESA meetings in Dallas, in December, we decided that everyone looked mighty healthy and the program still sounds mighty chipper. Mosquitoes and termites sort of battled it out for the most stimulating and best-attended symposia at those meetings and durned if folks didn't stay right up to the bell, too.

WE KNOW YOU KNOW THAT YOU CAN READ THE NAME OF YOUR REGIONAL CHAIRMAN RIGHT OFF THE BACK COVER OF MOSQUITO NEWS . . . and find out *what* region you're in, too . . . but DO you? We've had folks ask us what region they were in and to tell the truth, we used to think we were in the Southwest, ourselves, until GARDNER McFARLAND finally got through to us with his timely proddings. Seems we're in the South Pacific, along with Arizona and Nevada and California. (Where's Samoa, Guam and the Trust Territories? Oh, yes, we do too have members out in all that ocean.) Well, in case any of you wonder, or something, here's the way it is: PETE BELSKI is all of Canada; and DON PLETSCH is not only all of Mexico, but Central and South America, to boot, and the Caribbean; FRED BLISS has the North Pacific, which is Idaho, Oregon, Washington and Alaska; Dr. HATHAWAY is Southwest Central, or Arkansas, Louisiana, Mississippi, Oklahoma and Texas; DICK HAYES is Northwest Central, with Colorado, Kansas, Montana, Nebraska, New Mexico, North and South Dakota, Utah and Wyoming; FRANK MURPHEY is South-

east Central, with Delaware, D.C., Maryland, Kentucky, North Carolina (what happened to SOUTH Carolina?) Tennessee, Virginia and West Virginia; BOB HEDEEN has Northeast Central, which is Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio and Wisconsin; PAUL HUNT is South Atlantic, and that's Alabama, Florida, Georgia . . . and THERE'S South Carolina . . . and *Puerto Rico*; and OSCAR DOANE has the North Atlantic, with Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island and Vermont. And we're Austin Morrill and we have a geography book we'd like to offer the Board of Directors.

IN CONNECTION WITH ALL THE TALK WE'VE BEEN DOING ON TOMMY MULHERN'S HI-LO SPRAYING TECHNIQUES, we had some exciting talks with people in Viet Nam, where the interest in this technique isn't just academic, or even entirely scientific, perhaps. Well, Sir, they've been trying out penetration through canopies and wind speeds and like that. This canopy stuff . . . grass, bushes, trees . . . is mighty important there, you know, where they have all three and sometimes a little bit of all three at once. Now, we don't want to steal Major CARL BULGER's or LtCol BILL PATTERSON's, or least of all Capt. WAYNE HOCHMEYER's thunder . . . and anyway we haven't their data . . . but the upshot was that they got anywhere from about a third to almost as good penetration of canopy as they did of open field (grass), depending on wind conditions. They're still far from a HI-LO program but meanwhile does anyone have any data on foliage penetration you'd like to contribute? We WON'T jump your publication, honest.

DID THE ORGANISATION MONDIALE DE LA SANTÉ SEND YOU their recent publication entitled, "Studies on the Control of *Culex pipiens fatigans* Wiedemann," by none other than our own JAY GRAHAM, HARRY MATHIS, A. SEBASTIAN and M. M. ABDULCADER, all of Rangoon, except Jay who was Consultant as well as Senior Author? Although it's in English Only and says, in part, "*Ce document ne constitue pas une publication. Il ne doit faire l'objet d'aucun compte rendu ou résumé*, etc. etc. etc., we can presume to say it's completely factual, quite enlightening and very interesting. Better get on the mailing list. Another recent one is, "Release of New Mosquito Larvicides into Water from Granular Formulations," by MIR MULLA, M. F. B. CHAUDHURY and H. A. DARWAZEH, and it's about Abate and Dursban and it's good, too.

WHILE ABUNDANT RAINS WERE CAUSING INCREASED MOSQUITO PROBLEMS IN HAWAII AND CALIFORNIA, Jefferson County (Texas) loves rain . . . it's dem debbil typhoons and the salt marsh breeding they worry about. With a wetter year than normal, GEORGE THOMPSON was able to set down a spell after typhoon season and lick his wounds and shine up his gear and keep an eye

on the thermometer in case it . . . and the mosquitoes . . . rose in the marshes.

TED RALEY CAME TO THE END OF 1968 WITH A FISTFUL OF CHEERFUL NEWS that he passed on to us as a New Year's present. For instance, FRANK CREADON wound up with \$6809.55 for our Association kitty, derived from his tireless pursuit of advertising and his success gratifies even though it does not surprise us. We think it calls for a round of applause, though. Also, ART GEIB and his advertising committee for special publications endowed Bulletin #2-Rev. with \$3319.98, and have you got yours yet??? It's selling well. (Bul. #3-Rev. is about ready, by the bye.) Ted says *Mosquito News* is going to be the largest in history in number of pages per volume as well as subscribers, and breaks down the subscription list to show that Mosquito Control Districts account for 34% of the total, National Governments are 23% (!), Colleges and Universities account for 20%, Commercial Organizations for 10%, State, County and City Governments for 9% and International Governments 4%. (This is really international non-government: WHO, Rockefeller Foundation, Pan American Sanitary Bureau, etc., outside the U.S.)

"Colleges and universities," says Ted, "Offer perhaps the largest readership exposure to *Mosquito News* of any segment of the Association. All of the fifty states except Vermont have at least one college or university library as a subscriber to the journal. Universities in countries outside the United States are well represented on the mailing list, too. Faculty members take an active part in all Association affairs."

WE CAN SEE ONE RESULT OF TOMMY'S AND HARRY'S VISIT TO IRAN FOR WE WELCOME this time, the UNIVERSITY OF TEHERAN, Faculty of Agriculture, at Karaj. (It's been suggested that you people who know someone in furrin parts who'd have trouble getting *Mosquito News*, that you subscribe for them in the name of their institution, you remember? This reminded us. Does it remind you? Thanks.) Also, M. le Professeur Lariviere, Lab. de Parasitologie, Faculté de Médecine, Paris; and Raymond Subra, of the Lab. d'Entomologie Centre Muraz in Bobo-Dioulasso, which is in Haute Volta (*Upper* to you and me), in West Africa; and E. W. Brown, of Dawson Creek, British Columbia, and Katsuda Yoshio (isn't that Yoshio Katsuda, Ted? We think so.) of Dainihon Jyochujiku, in Osaka, Japan where Expo 70 is to be, so at least we'll be represented there. And Billy Gillespie of our Western Division of the Naval Facilities Engineering Command. (Good boy, Jack!)

And welcome, too, to Charles Hatch, of the U.S. Forest Service in Pineville, La., and to LEICA in Forli, Italia! And MILTON LINDEMANN, of St. Paul, Minn., and the Director of the National Institute of Communicable Diseases, in Delhi, India, and FRANK BATTLE, of the Depart-

ment of Entomology at VPI in Blacksburg, Virginia, and Dr. HAROLD E. ALLER of Roehm and Haas, and T. A. NICHOLS of Largo, Florida, and WARREN WISSMAN of Painesville, Ohio, and Mrs. ELIZABETH E. BECK of the State Board of Health at Jacksonville, Florida, and Dr. P. J. E. BENDELL, at the Medical Headquarters, Kuching, Sarawak. And the Librarian of the University College, at Dar Es Salaam, in Tanzania, and DAVE PITTS of USAID, somewhere in the wilds of APO New York 09674. And to ten other Government offices (mostly military) and organizations abroad and a couple of Canadian ones. Welcome, welcome. Notes, anyone???

Well, in the moving around department . . . and we do wish any of you whose moves we omit to chronicle would write in and say so and tell us what you're up to, as well . . . we've a good bit to note. You know, we knew mosquitoes make folks sort of restless but this is ridicu-

lous! Anyway . . . BILL BURGOYNE has gone back to school in Salt Lake City, JOE PROWSE has skipped from Ft. Worth to Austin, Texas, Colonel BOB ALTMAN, who had already come up from Panama to Walter Reed, is now properly ensconced as Executive Secretary of the Armed Forces Pest Control Board there . . . that's Washington, D.C. 20012 . . . and Capt BILL HULL is equally snugly ensconced in NAMRI at Bethesda, Md. L. F. STEVENS has left Elkhart for Philadelphia, Major RAY PARSONS is now at San Antonio, Texas, (MFSS, Ray?), MICHEL GUION has come from San Juan, Puerto Rico, to the Quarantine Station at San Ysidro, California, EARL MORTENSEN has left Fresno and is now in Concord, California (and we guess, Berkeley?), while Major FOWLER has gone to Lt Colonel FOWLER, and RAFAEL MIRANDA-FRANCO has gone from Rio to Representative della OPS/OMS in Panama (*de los?*). How do you all like all those new places, hey, guys?

Utah State University announces the immediate availability of four correspondence courses in the area of Environmental Health. The courses and their titles are: Public Health 150, Environmental Sanitation (4 credits); Public Health 162, Communicable Disease Control (3 credits); Public Health 163, Insect and Rodent Vector Control (3 credits); and Public Health 164, Water-borne Disease Control (3 credits). Developed jointly with the U.S. Public Health Service, National Communicable Disease Center, Atlanta, Georgia, the courses parallel NCDC Home study courses 3010G, 3012G, 3013G and 3014G. These correspondence offerings provide the opportunity to take basic disease control courses in environmental health for college credit. While the courses are not prerequisite to each other, some knowledge of biology and the content of Public Health 150 are assumed for PH 162, 163 and 164. For information on fees and application forms, write to: Correspondence Study Division, Extension Services, Utah State University, Logan, Utah 84321.