

NEWS AND NOTES

AUSTIN W. MORRILL, JR.

WE'RE NOT ABOUT TO DO IT THIS YEAR BUT WE GOT TO THINKING WHILE WE WERE INDEXING *MOSQUITO NEWS* FOR LAST YEAR (ordinarily we NEVER think while indexing, as anyone can plainly see) and we sort of wondered if it wouldn't be a good idea to index the advertisements, as well as the List of Advertisers. That is, we could list each one *once* so's if you KNOW you saw an ad for a thingamajig, and maybe even a picture of one, but you just can't remember quite *where* . . . voila! We know we've had to paw through back numbers more than once. Of course, SOMEONE ought to put all the back indices *together* into a sort of master list, so that if you know it was published some time or other a few years ago sort of, but you can't for the life of you remember WHICH year, even approximately. . . well, you know how it goes. Maybe our successor can tackle it. How's for a few comments???

HARRY PRATT WAS THROUGH HAWAII EARLY IN DECEMBER and for a wonder was able to take the time to spend a day or so (not vacationing, we hasten to add . . . WORKING). He told us about the training course they jointly sponsored at the Vero Beach (Florida) Research Center, of which more later, and that DON JOHNSON was in Vietnam for a couple of months on retrograde cargo and the foreign quarantine program. This is the first time we ever heard news ahead of Harry, but while we were out there Don had stopped by *here* and he and DAVE BONNET had come to our laboratory. Now that you're back, Don, how about word on what all you did and saw and how are you now?

HARRY HAD SENT US SOME PREVIOUS NEWS THAT WE *HADN'T* ALREADY HEARD, THOUGH. He'd written us from Kuala Lumpur about C. Y. CHOW's very fine course on "Vector Biology and Control" which was given there, at the Institute for Medical Research. Besides Harry, the attendance list scintillated with the names of such peripatetic individuals as DICK PETERS and NORM GRATZ as well as such "local boys" as S. RAMALINGAN and AL RUDNICK. Al took Harry into a mangrove swamp where the mosquitoes were actually feeding on FISH! Mud skippers, that is, which, like the legendary bass climb out on the rocks and trees and slide down on their hands and knees.

DICK PETERS CORROBORATED THE EXCELLENCE OF THE ABOVE COURSE WHEN WE SAW HIM in January and introduced us also to a new California society which is called CAVE but might well become NAVE or even WAVE with the current interest in environmental studies sweep-

ing the world. CAVE is the California Association of Vector Ecology and has ROY EASTWOOD of the Orange County (California) Health Department as President and JOHN SHANAFELT as Secretary Treasurer and something more than a hundred members already. Their first Annual Meeting is to be on 20 March at the Hacienda Motel in Fresno, and if you didn't go, maybe you'll want to make contact because Ecology is more than a fad word and a bandwagon . . . it's a vital part of our survival. As we've always known, haven't we?

GEORGE HUTTON WAS OUT HERE TOO AND BROUGHT US SOME NEWS, SOME GOOD SOME BAD. Like, JIM GAHAN and SAM DEWS are retiring (how can they do that) and leaving mosquito control forlorn. We hope they'll be happy and keep on THINKING about us. Sam taught us all we knew about mosquitoes when we were still thinking you waded out into the deep flowing water of the swamp to dip for larvae. ("KNIP" KNIPLING had a picture made at the Orlando lab of a guy dipping the middle of a lake from a helicopter, and we didn't even see what was funny, right off.) Anyway, if you want to protest what Sam did to us, it's too late now.

CARROLL SMITH AND HIS WIFE HAVE GONE TO INDIA, GEORGE ALSO TOLD US. And we think that's real great because it's the sort of thing *we've* always wanted to do . . . travel. Inja ought to be a very exciting place from all we hear, entomologically speaking as well as culturally and we do hope they both have a stimulating, pleasant and rewarding year. And write home often. To us.

NOW ABOUT THAT TRAINING PROGRAM ON MOSQUITOES AND THEIR CONTROL AT Vero Beach, Florida. Sponsored, as we said, by Dr. Harry Pratt and by JOHNNY MULRENNAN's Florida Division of Health, Bureau of Entomology, and CLAUDE SOUDER's Florida Anti-Mosquito Association, and hosted by MAURICE PROVOST's Entomological Research Center, the course was highlighted by papers and discussions from A. J. ROGERS, WAYNE MILLER, GARY MOUNT, FRANK WILSON and LARRY RHODES, by PAUL PATTERSON, JAMES HEIDT, JOHN BEIDLER and others on the use of chemicals and their application by ground and aerial equipment. There were classroom discussions and field trips on natural history, morphology, ecology and habits of salt and fresh water mosquitoes, which were additionally led by JOHN EDMAN, JOHN LINLEY, JIM HAEGER, R. P. DOW and W. L. BIDLINGMAYER. And there was a panel illuminated by most of the above guests and JACK SALMELA, DAN GORMAN and JOHNNY

MULRENNAN himself. Harry covered so many bases we can't enumerate them and anyone who's ever watched him in action can easily fill in the necessary blur.

IN JANUARY THE WHOLE THING GOT A REPLAY WITH A DIFFERENT CAST IN ILLINOIS. This time the luminaries were AL BUZICKY, W. MITCHELL, H. DOMINICK and was to have included JOHN KILPATRICK but curtailment of funds may have caused him to be present in spirit only. (We thought only the military establishment had to carry on increased responsibilities with reduced funds. Where do all the money go?) Other important papers were presented by BRUCE BROCKWAY, M. A. PARSONS, DON OEMICK, A. G. MACBAIN and LEON HAYNES.

JEFFERSON PARISH MOSQUITO CONTROL DISTRICT, WHICH IS TO SAY GLENN STOKES, added 22 years of mosquito control experience to his staff recently. This instant knowledge was not acquired by any new aging process but by the fact that DONALD E. PAYNE came in as Assistant Director. It was (and is) grade A experience, too, he having been with the U.S.P.H.S. in Tampa (Florida) and before that as Director of the Northeast Duval County (Florida) Mosquito Control District in Jacksonville. And before THAT he was Assistant Director for 10 years of the Monroe County MCD in Key West. So Aegypterad's loss meant Glenn's gain and we know they'll have a ball together wiping out them gallinippers in ole Luzianne. Don has a family of three: his wife, Linnie, a daughter, Kathy, and a son, Jim. Glenn says that with the addition of Don to the staff, their total experience now adds up to 56 years and we know Glenn's not that old so he must have another horde stashed away there. Of course, some years every day counts like two, doesn't it, Glenn?

AND SOMEBODY (COULD IT BE HARRY AGAIN) TOLD US IN AN ALMOST UNREADABLE SCRIBBLE ON THE BACK OF A 3 X 5 card (our handwriting, though!) that M. A. FARID has gone from Manila to Geneva to take the place of Dr. WEEKS and it also says here that KEN QUARTERMAN is staying on in retirement in Savannah disguised as a special consultant. Like 8 to 4:30 "retirement," sounds to us. But Saturdays and Sundays free.

GEORGE THOMPSON, WHO HAS MADE JEFFERSON COUNTY (TEXAS) A SOURCE OF FIELD DATA ON MOSQUITO CONTROL, had a good word for his Commissioners last fall and we think his message ought to be published in the Publick Press every fall and every spring. George said, "Gentlemen: The period of cool weather, *when mosquitoes are quite active and insecticides are not*, is upon us again. Every year we run into the same problem. It sometimes seems impossible to explain that an insecticide is not a magic pill."

George goes on to explain, "Certain conditions must exist when an insecticide is applied. When

these conditions do not exist, the treatment will fail. One condition leading to certain failure is temperatures below 60°. Temperatures between 60° and 70° are doubtful; sometimes there are results, sometimes not. Another condition leading to certain failure is wind above 15 m.p.h. Wind speeds of 10 to 15 m.p.h. are doubtful; sometimes there are results, sometimes there are not.

"A third condition leading to certain failure is thermals. Thermals are small masses of heated air. As the sun heats the surface of the earth, air next to the earth becomes warmer than a layer 5 to 10 feet above the surface. As the warm air rises, it pushes its way up through the cooler air. The air rises faster than a droplet of spray can fall and the spray is wasted in the air.

Any one of the above conditions can cause failure. A combination of any two conditions *will* cause failure. When all the conditions exist, spraying (or fogging) is a waste of time." (Ital. and parenthesis ours—Ed.)

All this seems elementary yet each year we get pressure to spray ulv or fog or mist when it's inadvisable . . . and we bet you do too. Now that contamination of the environment is getting to be such a Big Issue, and we try to sell source reduction and avoidance of useless insecticiding, we think we'll break out George's statement when people call, and read it to them. A prophet from a far off land, you know. Very Impressive! Thanks, George!

Incidentally, George's District helped train some Oil Company types in the proper ways to use the new trademarked MLO, which shall be nameless here but you can find it in the current Index . . . a product that is becoming very big in the anti-pollution area these days.

OUT IN OAKLAND WHERE THE TEMPERATURE SELDOM GETS BELOW 70 and NEVER below 60°, CHET ROBINSON has also been working on reducing environmental pollution by both pesticides and mosquitoes, by using some of the newer and less contaminating ones in treating sewage disposal plant ponds. These tests were under the direction of the California BVC, which, Chet says darkly, will make all reports on their findings. He also says that TOM MCGOWAN, formerly Assistant Engineer of the Alameda (California) County District, visited them recently. Tom is now with Malaria Eradication in Manila, we guess with DICK DARSIE. How about a postcard, you two?

THE CALIFORNIA MOSQUITO CONTROL ASSOCIATION HELD THEIR ANNUAL MEETING 25 through 28 January this year, at the Sacramento Inn and handy to the Yolo County Mosquito Abatement District where GEORGE UMBERGER again hosted an equipment show best described as vast. BILL REEVES and TELFORD WORK discussed the mysteries of encephalitis, about which they already

know so much you wonder that they can go on learning more. DICK PETERS, TOM PECK and JACK KIMBALL led a panel in a discussion of "In Service Training" and LES BRUMBAUGH, GARDNER MCFARLAND, HOWARD GREENFIELD, GEORGE UMBERGER and GORDIE SMITH discussed Interagency Cooperation. Part of the discussion, of course, centered on the non-polluting use of pesticides and proper recording procedures for same, but since California mosquitoes are now immune to nearly EVERYTHING, it hardly matters anyhow.

PAUL HUNT REPORTS THAT THERE WAS A REGIONAL MEETING AT HIS EAST VOLUSIA (FLORIDA) MOSQUITO CONTROL DISTRICT in October, which we should have mentioned in December, at least, it would seem. Anyway, we didn't and we're sorry because Prexy GEORGE CARMICHAEL was present, along with Wayne Miller and Dr. Rogers, and what they talked about was the Federal mosquito control bill. Paul's typist made an amusing slip and said they discussed the history and objections of AMCA and we're glad she didn't catch it before it was sent because, you know, maybe the time has come for the AMCA to HAVE some objections. We, here in Hawaii, have found ourselves objecting to so much of what is being done by real estate developers and lumber merchants to despoil our environment while they beat us about the head for using larvicides, that we have just about set up a committee to fight back. We're going to say "Liaison" 'cause it sounds politer, but maybe we ought to have a Standing Committee on Objections to speak up when they log off a virgin forest and let in the weeds and insects and then cry that they are "managing" the forest and "saving" it from destructive pests. Maybe we ought to object when the airlines press Congress to lay off the aircraft disinsectization and surveillance, just as their potential for bringing in exotic vectors is rising. Anybody for a Demonstration???

VMCA's SKEETER, ALWAYS BRINGING US USEFUL FACTS AND FANCIES, CAME UP IN THE SEPTEMBER AND OCTOBER ISSUE WITH AN ADULT MOSQUITO IDENTIFICATION SLIDE RULE. Works, too. Maybe all your men eyeball any old mosquito female and rattle off her name and telephone number. But if you got any doubtfuls, this is the thing to carry. Full directions are enclosed (page 3) so if you didn't see it, ask ROLLIE DORER . . . but don't say we sent you. His postage budget may be low.

WHEN YOU READ THIS IT WILL ALL BE A LOVELY MEMORY BUT RIGHT NOW IT'S STILL AN EXCITING PROSPECT . . . the meeting of Gardner McFarland's South Pacific Region, which we mentioned last time. (We should really come out in January, April, July and like that . . . EVERYTHING happens right after the deadline for the next issue the way it is now!) Well, the Program is arranged like this . . . the group arrive(d) right after the Portland meetings. Friday was a tour of Oahu (that's Honolulu, you remember) with stops at

PAT NAKAGAWA's new Mosquito Control Division laboratory and field facility and then at Pearl Harbor to see DICK HOLWAY's lab and then on to Pearl City Naval Housing area to some test boondocks where the population of *Aedes albopictus*, our beer can breeder and the scourge of the Pacific, is normally allowed to be high . . . for test purposes, you understand. Unfortunately, this winter has been chilly and somewhat dry and the population failed to be exactly spectacular. The tour will fight back its tears and go on around the Island to see some of the other trouble spots Pat's men have been controlling.

Saturday, a paper-reading session at the Department of Health auditorium, including those by GEORGE KITAGUCHI; JAMES IKEDA, TED RALEY, and TOM LAURET, whom the Navy won't let off Guam except to go to Singapore and Sydney and Tokyo and like that. Saturday night, a luau put on by MCD, led by WALLY PANG and assisted by AL WATANABE, who brought all those luscious pineapples to the California meetings. Monday and Tuesday had sightseeing trips planned for mornings, with afternoons for swimming and sunbathing and a Hawaiian Entomological Society meeting Tuesday afternoon, concerned with the political pressure being applied to force a letdown in quarantine and in aircraft inspection and treatment procedures, papers by RAY JOYCE and DICK HOLWAY on mosquitoes likely to come from Southeast Asia and on those intercepted here already. We're sorry for you five hundred that didn't make it. Better luck next time! Aloha, you fifty who did!

DR. JOHN BAGBY WROTE US A NOTE VIA TED RALEY AND LOOKIE . . . IT MADE THE DEADLINE. He has moved from Atlanta and is now Directing the new Institute of Rural Environmental Health at Fort Collins, Colorado. The Institute is part of the College of Veterinary Medicine and Bio-Medical Sciences of the Colorado State University, with a founding grant from the Kellogg Foundation. It will coordinate research services and educational ones and in the first phase is reviewing existing records of disease, disabilities and deaths to determine specific program goals. They plan to develop a graduate training program in environmental health, to conduct seminars for medical, public health, agricultural and industrial groups, with workshops and training courses and emphasis on, among other things, chemical epidemiology and ecology, two fields in which, as we all know, public interest is ballooning. Good luck, John!

ONE LAST WORD . . . WE SHOULDN'T HAVE BAD MOUTHED HARRY PRATT'S news-gathering and distribution system back there because there's MORE. Instead of re-writing everything, we'll just put it here.

THE ILLINOIS MEETING we mentioned was held at WILBUR (BUD) MITCHELL'S Northside MAD at Wheeling, Illinois. They had a fine class of 90 for both days. Harry then took off for Atlanta,

just to show he *does* live there, apparently, but also to pick up his 21-year-old son who accompanied him to Albany for an Urban Rat Control course with HARRY WEINBURGH, who used to be with CDC and is now with the New York State program. They had previously contacted Ye Ed. (DON COLLINS, whose name almost never gets mentioned somchow), for some ski information, and went to Harry's place between Bennington and Brattleboro (Vermont) to show young Pratt some snow.

WHILE IN MALAYSIA HARRY HAD SEEN A FINE COLLECTION OF MOSQUITOES being made by S. RAMALINGAM and AL RUDNICK, whom we men-

tioned, and Harry encouraged them to send in a manuscript on mosquito borne diseases of Malaya, so you may be seeing it one of these days and very interesting it should be. Ramalingam is, as we didn't know, a former student of JOHN BELKIN; we first met him in Tokyo in Dr. MANABU SASA's office. We said he gets around! When Harry got back, he found a fine shipment of mosquitoes from Saipan, *Anopheles indefinitus* ("possibly brought in from Guam?") and a *Lutzia* sp. Neither had previously been reported from Saipan, which as you know is the capital of Micronesia Trust Territories, and a garden isle liable to be flooded with tourists any minute now.

ASSOCIATION NEWS

PLACEMENT SERVICE (POSITIONS DESIRED AND POSITIONS AVAILABLE). The information compiled by Wayne Miller under this heading and formerly occupying a special section of *Mosquito News*, from now on will be handled by the Executive Secretary, Mr. T. G. Raley. Inquiries should be addressed to Mr. Raley.

CHANGES IN THE NAMES OF FOUR AMERICAN MOSQUITO CONTROL ASSOCIATION REGIONS, suggested by Mr. E. S. Hathaway, were approved at the AMCA annual meeting in Portland, Oregon. The changes were as follows: Southeast Central to Mid-

Atlantic; Northeast Central to North Central; Southwest Central to South Central; Northwest Central to West Central. These changes are recognized in the list of regional directors on the back of this issue of *Mosquito News*. The states included within the "new" regions remain the same as before.

FUTURE ANNUAL MEETINGS OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION: **1971**, Denver, Colorado; **1972**, Freeport, Bahama Islands; **1973**, Houston, Texas; **1974**, Disneyland, California.