

## NEWS AND NOTES

AUSTIN W. MORRILL, JR.

IF YOU . . . DON'T SEE ANYTHING HERE THIS TIME IT'S BECAUSE WE'VE BEEN GADDING ABOUT THE PACIFIC AND DIDN'T GET BACK TILL NIGH ONTO JUNE.

OUR SPIES WERE BUSY SO WE KNOW WHAT WENT ON AT NEW ORLEANS and if you, like us, couldn't be there, you'll be interested to know (courtesy of our new PREXY TOMMY MULHERN and JACK KIMBALL, whose Orange County has been our host in times past) that there were over 600 registered delegates, representing universities, research centers, state and federal agencies and mosquito control agencies throughout the United States and Canada and several "foreign" countries. Fifty-six exhibitors displayed aerial dispersal equipment, ground equipment (and amphibious stuff as well) and all the latest in formulations and materials. Four hundred fifty people showed up for the annual dinner (we started to say "gourmet treat" but seeing as how it was New Orleans, we know EVERY night's dinner was a "gourmet dinner" for those lucky folks.) Congressman HALE BOGGS, Majority Leader of the House of Representatives gave us the clue on Legislation, where he said the Association could exert influence by its recommendations and support on *control-type* projects. Of interest to us, was the fact that 10 of the 107 papers were on the use of aircraft and 11 more were on the use of Ultra Low Volume.

WELL, SPEAKING A LITTLE OUT OF TURN, IF THE CONGRESS IS LOOKING FOR WORTHY CONTROL PROJECTS we recommend to their attention this HI-LO stuff, which is TOMMY MULHERN's special child and on which we need some high powered support for fast action. Late this spring, as you may have heard, Tommy and his cohorts, observed by a very HIGH POWERED company of observers, got unbelievably remarkable kills at fantastic distances (like a mile and more) from ground zero.

That was for ULV application from two thousand feet elevation (that's the HI) and DICK HOLWAY showed us a paper plate he'd laid out a mile down drift and it was covered . . . evenly . . . with those little red dots. So when you ask your Congressman to support Congressman Boggs's legislation . . . tell him about Tommy.

THE CALIFORNIA MOSQUITO CONTROL ASSOCIATION HAS BEEN BUSY SINCE ITS ANNUAL MEETING, which we reported last time. Like, they've decided to invite us to meet with them in, say, 1974 (1974??? Is there really such a date? *Already?*) Then, they had their annual Equipment Show on 26 April at the Rio Bravo Depot of the Kern County Mosquito Abatement District. This was divided into five demonstration groups, this year . . . aircraft, source reduction equipment, ground

dispersal apparatus, small stuff and home-grown mosquito abatement agency equipment, which is invariably full of ingenious ideas, both useful and stimulating.

BEFORE WE LEAVE CALIFORNIA WE SHOULD TELL YOU ABOUT TWO PRESS RELEASES which came to hand (from TED RALEY, bless him) concerning BILL REEVES and TOMMY MULHERN. Bill is the new Dean of the School of Public Health at the University, and we know of no one more qualified, both in the field and to be a Dean. Reviewing his distinguished contributions to our knowledge of viral reservoirs and insect vectors, the article states the obvious, that Bill is world renowned for these studies. They might have added, "for his cogent and lucid explanations of these erudite and often obscure matters," which explanations have done so much to educate the rest of us. We might add, as well, that we are especially grateful to Bill for his yeoman's service in keeping public health officials un-hysterical but informed on our increasing threats of vector dispersal by inapparent means. (We bet he keeps those students humping, though.)

And not to beat poor Tommy to death with this typewriter, but the news release on *him* has some facts on AMCA we think you'd like to recall. There were but 35 members when Tommy was among the founding fathers in 1935. (WE didn't come in until 1944 . . . how come? And us so much older and all.) He was Secretary for many years and in his early days abatement cost as much as seven *dollars* (1935 dollars, too) an acre, while today it can be as low as 75 cents. . . . and from an 85 cent dollar, too. Tommy's interest in aircraft spraying stems from his New Jersey days, and it was from those days, too, that marsh cutters and the famed New Jersey light trap originated. Oh, and from that original 35, AMCA has not only come into being but has grown to 1,400 and some members, not only in America but world-wide. H'ray!

AS HINTED ABOVE, AIRCRAFT CAN NOT ONLY KILL MOSQUITOES THEY CAN ALSO BRING 'EM IN and since Hawaii is the first touch-down point for many an exotic plane, PAT NAKAGAWA recently called a conference on the disinsectization of planes. By good timing, Pat was able to include BILL REEVES and ARCHIE HESS in the meeting and they pointed out, for one thing, that an exotic mosquito wouldn't have to be able to settle here and raise a family. It would be enough just to infect a local reservoir and then, having seen Waikiki, die. (On our last commercial flight we heard the steward not only apologize for the hideous inconvenience of the aerosol bombing but instruct the passengers to open their air vents to air it out as fast as possible. Since our companion, a mosquito on the window, survived the minimal

aerosolling quite happily, we asked the steward if he knew *why* the aerosol was applied. He didn't, except vaguely. We fixed *that!* Anyway, the meeting agreed that space treatment should be automatic and legally required, and that meanwhile, stewards and stewardesses should be given *some* briefing on the whys.

THE NORTH CAROLINA MOSQUITO CONTROL ASSOCIATION HELD THEIR ANNUAL MEETING at Atlantic Beach on 9 and 10 May and had a full and meaty program, which Mo HIRST kindly sent us. Mo's facility at Camp Lejeune was the highlight of a field trip and in addition to mosquito control, they looked into snakes, in a thoroughgoing discussion by DICK GORHAM. Anyone who doesn't think reptiles and mosquitoes have much relationship hasn't done much source treatment or else lives in Hawaii . . . or Ireland. (Guam now has 'em.) The officers for 1967 were HEATH HOWIE, DAVE HILL and FLAY CARPENTER, as prex, vice and Secy., and the new ones for 1968 are DAVE HILL, President, Mo HIRST, VP, and FLAY as Secy.-Treas. (Good Secy's seem to get stuck with it, ever notice that?) (Eh, TED?)

MO ALSO ASKS US TO PASS ON THE INFO THAT HE'D SHORE APPRECIATE WORD FROM ANY OLD TIMERS AT LEJEUNE, around 1940 to 1942, like, who did the first mosquito survey there. Anecdotes, mosquito experiences and photos welcome.

ROLLIE DORER, WHO DID SO MUCH TO GET NCMCA STARTED, SENT US VIA SKEETER, THE WORD ON VMCA'S TWENTY-FIRST ANNUAL MEETING. It was held at Chincoteague, Virginia, on 23 February, which if you don't know is an island off the Eastern Shore (and nemmine *whose* Eastern Shore!) Most Washington DC area people know it for its famous wild ponies . . . the kind you ride, not bet on. They met in the Fire House, where an excellent dinner . . . at *noon*, suh . . . was served by the ladies of Chincoteague, and in the evening for supper they had an oyster roast at the McCready Bros Oyster House. There were over 175 people in attendance, naturally. This included DR. GEORGE LANGFORD, from Maryland, DR. FRANK MURPHEY, from Delaware, DR. DAN JOBBINS, from New Jersey, DR. JOHN FLUNO of Florida and Washington D.C., LT. COL. JOHN SCANLON of the Walter Reed Army Institute of Research, GEORGE SIMS, Applied Biologist for the Navy at Norfolk, MAJOR STANLEY SWANSON of the USAF spray flight, and DR. JERRY MALLACK of Maryland. In addition, Mr. Leroy Stone of the US Public Health Service showed a horrible film of a burning dump in Washington D.C., since closed by the death of a child in the fires, which graphically depicted the liabilities of such a dump as a disease source by the breeding of flies, mosquitoes and rats. A Mr. Wooldridge of Chevron also showed a kit for determining the miscibility of given batches of diesel oil with Dibrom and showed pictures of small and large mixing rigs, the

latter of which, according to *Skeeter*, "defies description" but neither costing very much.

SKEETER ALSO REPORTS THE FORMATION OF A NEW MOSQUITO ABATEMENT DISTRICT IN VIRGINIA . . . the Churchland Mosquito Control District, formed of some 10 square miles which the City of Portsmouth recently gobbled from the City of Chesapeake. ROLLIE DORER is deputy for the State Health Commissioner to the new District. Welcome aboard, Churchland!

JOHNNY MULRENNAN AND MAURICE PROVOST HAVE ISSUED A NEW LIST OF PUBLICATIONS and articles issued by the Florida Entomological Research Center at Vero Beach. There are one hundred eighty of them, so we won't list them, but the list is available and so are most of the reprints. We advise you to send for a copy and order a few while you still can. They're solid. (JOHNNY MULRENNAN, JR., by the way, is now second in command of the Entomology Branch of the Navy PMU at Da Dang, Viet Nam.)

WHO AND THE UNIVERSITY OF NOTRE DAME WILL SPONSOR A SEMINAR IN VECTOR GENETICS which will be held from 17 June to 12 July at Notre Dame and from 13 July through 26 July at CDC in Atlanta, TDL in Savannah, the USDA lab in Gainesville and the abovementioned ERC at Vero Beach. They're going to move around over a lot of territory in the field of public health, too. In addition to DR. GEORGE CRAIG and DR. RAJINDER PAL, who are co-Directors, the faculty includes the following distinguished array of Doctors and AMCA'ers as well: TONY BROWN, DONALD COCHRAN, ROBERT GORDON, WILLIAM HICKEY, JIM KITZMILLER, LEO LACHANCE and KARAMJIT RAI. We just noticed that applications had to be in by 1 May (sorry about that) but you might just sort of happen to drop in and listen a while, no doubt. If they ask you to leave, you can say you're demonstrating. Demonstrators don't have to leave ANYWHERE.

BILL STRICKLAND SENDS US A FASCINATING REPORT FROM EUREKA, CALIFORNIA, WHICH BUT ADDS FUEL TO OUR BURNING DESIRE TO SEE ROASTING IN HELL ALL THOSE PERSONS WHO CHOP DOWN OUR THREE THOUSAND YEAR OLD REDWOODS THAT DON'T REALLY BELONG TO THEM. He writes, "Humboldt County Health Department, Eureka, California, has discovered the Western Tree Hole Mosquito, *Aedes sierrensis*, breeding within the splintered under-cut section of the coastal Redwood trees, *Sequoia sempervirens*. A check of the California State Health Department Laboratory records reveals that this species has not been recorded as breeding within Redwood trees prior to this discovery. Now when the burly loggers fall the Redwoods, they will be creating mosquito breeding sites!" Eureka means "I have found it." Bear in mind, too, that redwood is being cut on the pretext that it is lethal to insects, which this seems to show it is not (it isn't to termites either). Mr. Weyerhauser and Arcata Lumber Co. please note.

GENE GERBERG WAS THROUGH HONOLULU A FEW WEEKS BACK and told us about a mighty interesting Mission he was recently a part of, at the invitation of the State Department. This was the Trade and Investment Mission to Pakistan, held from 3 February to 2 March. Gene joined up with a group of other top flight business execs selected by the Department of Commerce who gave their time to this furtherance of international good will and trade and investment interchange. He said it was a mind stretcher for him, as they hoped it was for Pakistan.

GENE ALSO TOLD US ABOUT SEEING ED WASHBURN IN DACCA AND DON JOHNSON EN ROUTE TO NEPAL and a bunch of other things which brought us up-to-dater on our friends who don't write. Like the Committee on the Control of *Aedes aegypti* in laboratories, which he didn't say whether it was *ad hoc* or continuing, but anyway they had a real productive meeting of minds. Which wasn't surprising, seeing as how it was composed of JIM WRIGHT, CARROLL SMITH, HERB SCHOOF, ARDEN LEA, DON MIX, FRED SOPER and GEORGE CRAIG, in addition to Gene himself.

GLENN STOKES HAS SENT US HIS ORGANIZATIONAL SURVEY REPORT FOR A HOPKINS COUNTY KENTUCKY MOSQUITO CONTROL DISTRICT in which he gave them a step by step evaluation of the mosquito problem, a thorough discussion of the abatement measures required, a complete analysis of the financial situation and concrete recommendations on how to utilize the available fiscal resources, together with an outline of a sound program and a point by point discussion of the Mosquito Control Act of 1962 under which an abatement district would be established. We haven't heard how this all came out, as yet, but if Glenn's scholarly tome didn't turn the trick, we can't imagine that anything would. It's a model job any way you look at it and we're going to keep it as one. Among the compelling reasons for mosquito abatement Glenn listed for them were: being already prepared in the event of an outbreak of encephalitis or (as has happened) the infection of local anophelines by returned Viet Nam veterans; the reduction in hidden outlays by the populace in anti-mosquito bombs, repellents, doctor's bills and the like; increased work efficiency among workers in outdoor situations; similar increased health and welfare of livestock and pet animals; increased recreational potential and tourist travel and as an end result, increased land values and land development.

CHET ROBINSON REPORTS THAT HIS ALAMEDA COUNTY (CALIFORNIA) DISTRICT not only had the pleasure of receiving the cooperation of several large companies and agencies owning potential mosquito sources (such as the Leslie Salt Co. and the City of Oakland Airport) but was called in to give advice to the City of Fremont when they passed a two million dollar bond issue to create a lagoon park with a sixty acre lake near their new City Hall. They called him in *first*, that is, not after the planning had all been done and the

mosquito source was being lovingly patted into existence by the bulldozers. Gosh. We wish we could get the Navy Planners to do that, instead of going ahead and then coming to us and saying, "Gee, what do we do NOW?"

WE GUESS THOSE OF YOU WHO WERE IN NEW ORLEANS SAW GEORGE CARMICHAEL'S 1967 ANNUAL REPORT. For those of you who didn't, in addition to a lot of other information, there's a very interesting summary of bird surveys made for encephalitis virus evaluations, in which (guess what) *blue jays* came out ahead of sparrows and pigeons. Shux. George also recounts a successful educational effort with the Audubon Park personnel to abate mosquitoes by slight but telling changes in *their* water management practices, in animal troughs and such, and by training in mosquito surveillance and spot control measures.

IN THE THIRTEENTH ANNUAL REPORT OF THE EAST VOLUSIA (Daytona Beach, Florida) MOSQUITO CONTROL DISTRICT, PAUL HUNT gives particular attention to the progress his district has made in mosquito source control. This has included drainage, tide-flushing, filling, diking, impounding and other water management, and it has been a herculean task, as those who were there in World War II years will testify.

PEOPLE STILL KEEP MOVING AROUND AND MAYBE IT'S BETTER THAT WAY BUT IT SURELY OUTDATES A MEMBERSHIP LIST MIGHTY FAST. We wish some of youse guys would let us know what you're *doing*, when you move. Like, LT. NORMAN HERFORD, who's left Ft. Sam Houston for Weaverville, Calif. Is there an Army post in Weaverville, Lieutenant? Or is that a pseudonym for Viet Nam? HERB GRIFFIN has left Corvallis for Edgewater, Colorado, and we're sorry, but hope he isn't. MIKE PETRAKIS has shaken the dust (and we DO mean dust) of Saigon for the cool quiet of San Francisco, lucky dog. MERRILL A. WOOD is in San Salvador USAID, % Dpt of State, Washington D.C. 21521. LT. COL. BILL PEARSON is gone from Atlanta to Fort Amador, Canal Zone, 09834, and is being replaced by LT. COL. BILL YOUNG, also lately of Saigon, or, more accurately, Bien Hoa. You couldn't always get to Saigon some days. Bad weather, you know. Bad road. KEN KNIGHT has moved to the State University at Raleigh, North Carolina, 27607 (Are you trying to get back to *Washington*, Ken??) and DON LIDBY has moved from Brooklyn to Old Bridge, N.J. 08857, which might mean that's just his mail address? CARL VICKERY is USOM/PH, with an APO of San Francisco 96272, and was seen there by our DAN MAJELLO (in Bangkok, that is, not Da Nang). Did CAPT. DICK HOLWAY get together with you at the SEATO Preventive Medicine Conference, Carl? He left *our* conference at Baguio, in the Philippines, and was headed thatway. Well, lessce . . . COL. HAN SCHENKER is back from Germany and at 1st Army Med Lab, Fort George G. Meade, Maryland 20755. Herein und Grüss Gott, Han! DICK EADS has gone to the Quarantine Station in San Francisco, 94111;

LT. COL. BILL PATTERSON has gone from Illinois to Everett, Washington, 98201, sort of; BOB METCALF has gone back to the University of Illinois (no, son . . . *not* as a student!) and MAYNARD JOHNSON has now retired and after visiting here in Honolulu, with his wife, took off for the Far East, where we crossed his trail in Okinawa, Japan, and fur places and saw them disappear eastward.

BACK TO THE CORVALLIS THING (SOB). . . . C. M. GJULLIN has gone to Fresno, to the ERD Lab, 5544 Air Terminal Drive, 93727, FRED PLAPP is staying temporarily (we think?), LEYBURN LEWIS has also gone to Fresno, as have Dr. W. M. ROGOFF, and DARRELL CHRISTENSON. NANA HAGEN has gone to the University of Ghana, PO Box 31, Legon, Ghana. And Darrell Darrow has gone to Kerrville. Well, Corvallis' loss is surely Fresno's gain, at least.

OTHER FAR JUMPERS are JOHN E. TAYLOR from Jacksonville to Atlanta CDC, FRANK DOWELL from

New Haven to Midland, Michigan, W. R. SIMPSON from Waco, Texas, to Columbia, South Carolina, FRED MILLER from Ft. Worth, Texas, to Houston, ROBERT HOFFMAN from Kerrville to Beltsville, Maryland, STANLEY GODOWN from Vero Beach to St. Petersburg, (yes, that's quite a ways), A. R. ROTH to 1414 Pecan St. in McAllen, Texas 78501, PAUL SMALLWOOD from Waco to Daytona Beach, Florida, and CHARLES WELLS from Miami to Jacksonville. And LT. D. R. ROBERTS from Lieutenant to CAPTAIN.

GOSH . . . EVEN WHEN WE'RE LATE ON THE DEADLINE, WE GET LAST MINUTE FLASHES. We just this minute heard about the ANNUAL FIELD MEETING of the TEXAS MOSQUITO CONTROL ASSOCIATION, held on 8 May. There was a business meeting in the Texas National Guard Armory, GEORGE THOMPSON writes, and Texas is so big, I guess it's hard to pinpoint things, but we *think* it was in Nederland. George's District's equipment was on display and we shore wish we could 'a been there, podnuh.