

## NEWS AND NOTES

AUSTIN W. MORRILL, JR.

WE CERTAINLY HOPE THAT PRESIDENT GEORGE CARMICHAEL HAS RECOVERED SO COMPLETELY THAT HE NO LONGER REMEMBERS, BY THE TIME HE READS THIS, THAT HE EVER WAS OPERATED ON. (We've heard he was already OK as we write this.) And TED RALEY says he has got all over the epizooticks that struck him down (Not TED! Yes, that's right . . .) at Williamsburg. But he had already come up smiling before we left Virginia's clear, chill weather. Ted said he reaped great benefit from his bout because it showed him how many kind friends he had, whereas said kind friends felt ashamed that Ted hadn't known THAT already. He also had an operation later, but says he's OK now.

WELL, AS WE SAID, THE WEATHER WAS CLEAR AND BRISK AND BEAUTIFUL AND WILLIAMSBURG OUTDID ITSELF IN BEING CHARMING. The attendance was over a THOUSAND, which breaks all records, we think, and Ted Raley remarked that ROLLIE DORER breaks local records, too. We scribbled down so many notes we can't read them and got sent across the Pacific when we had *hoped* to read them while they were "warm." So if we've left out something, you guys that gave 'em to us . . . write in again, hear?

One of the high points for us was that DON COLLINS finally introduced us to Mrs. MARGARET SLATER that fabulous, mythical lady who keeps MN Mss's moving from typewriter to type and has saved our neck a plenty. We met a few folks too, by the way, who said that they'd heard some *other* people say we're a bit too frivolous here in N & N for a solid, scientific journal of Our Type. BILL BICKLEY warned us about not being a gossip column when we started and goodness knows, we TRY. So all it takes if you think we're too frivolous is to send us in some nice solid non-frivolous items. OK?

BILL BICKLEY WAS THERE WITH MRS. BILL, INCIDENTALLY, AND THEY AND GEORGE and MRS. LANGFORD, ART and MRS. KIDWELL, JIM and MRS. FOSTER and GENE GERBERG let us squeeze into their table the first night. GENE has BULLETIN 5 all ready, and what a magnificent ready it is . . . a sort of f<sup>1</sup> generation to Bulletin 3, but including much more in a more specific way (species specific, that is) which carries on but in no way diminishes HELEN LOUISE TREMBLY DURKEE's monumental work. BILL said he thought the Bulletin price ought to be raised, and we couldn't agree more. AMCA is really putting out texts, these days, and as texts the Bulletins are worth the prices paper backed texts command.

BILL BARNES' SYMPOSIUM ON SLOW RELEASE LARVICIDES HAD A LOT OF HIGH POWERED PANELISTS

AND AUDIENCE PARTICIPANTS (including Ye Ed DON COLLINS and MIR MULLA, who sat quiet as little mice when the rest of us were shouting). It'll all be published but the startling bit is that poly-vinyl chloride plastics can just about be tailored to fit and last days and days . . . up to over a year. Everyone agreed that we need more research and we need some working agreement on how do we work out a simple *parts per million* sort of rate when we're dealing with varying depths and situations that rule out rule of thumb? How do you work out dosage rates for total involvements as well as upper foofs? Anybody got ideas? There's plenty of questions left for more research on this one.

WE AREN'T REALLY TOO SURE WHAT WENT ON AT THE COCKTAIL PARTY AND THE BANQUET what with this and that and the additional commotion of a Colonial Fife and Drum Corps. (If the Founding Fathers had THAT in the dining room, we needn't worry about discotheques blasting the hearing of our modern young.) Anyway, it broke up the cocktail hour on the dot and moved us into the banquet hall where the food was magnificent . . . you just couldn't eat it all . . . and it all so good . . . not "banquet" fare at all but the traditional Southern groaning board.

The entertainment was some charming balladeers singing some somewhat bawdy ballads, not all unknown to the present company, though seldom sung, perhaps. Eighteenth Century and all that. Good fun. The speaker, Dr. Carl Winter, was both eloquent and witty and when you finished laughing you realized you'd heard something worth remembering. There were TWELVE Past Presidents there, BOB VANNOTTE our First ('44), DON REES, ROLLIE DORER, DICK PETERS, MO HIRST, DAN JOBBINS, BILL BICKLEY, ART GEIB, DON MICKS, JOHNNY MULRENNAN, JAY GRAHAM and HARRY PRATT who with graceful words and well-merited compliments welcomed TOMMY MULHERN into their ranks, remarking that, among other accomplishments, during Tommy's Presidency we brought The Light to over 100 foreign countries, through some 2000 copies of MOSQUITO NEWS.

HARRY SPOKE TO US, TOO, AND BROUGHT US THE WORD THAT DR. DICK GERHARDT and BOB EVANS have left the Aegypti Eradication Program for the Pesticide Program of FDA in Atlanta. GEORGE BEVIER is now the Chief of the Operations Section of the Malaria Eradication Program of CDC in Atlanta. JOHN TAYLOR has moved over to the rat program, in Nashville, Tennessee, but we hope, is not lost to mosquito control, having received a decoration from the Republic of Vietnam for his malaria work there last year. He is Director for

the Metropolitan Health Department. And speaking of these moves . . . which we are going to do later, really . . . CLYDE FEHN told us that JOHN SAUNDERS has gone to the Indian Health Service of Oklahoma, in Shawnee.

BOB VANNOTÉ meanwhile, reported on the Fish and Wildlife Committee, and said that within the next ten years the use of pesticides and even water management itself, in the sense of changing Nature's arrangements, will be under strong attack (witness the campaign to outlaw DDT entirely). We may find ourselves handicapped if we do not do some public relations and give our programs some popular scope.

You may have something bearing on Fish and Wildlife and mosquito control that Bob needs in his work on this. LET HIM KNOW! JAY GRAHAM also pointed out that while no one wants us to stand still, it is in this very field of expanded public responsibility and support that AMCA can be the most useful to us all. BUT THE MEMBERSHIP MUST LET THE MANAGEMENT KNOW how you feel. So that's two postcards you owe . . . one to US about what you're doing and one to the BOARD about what you're thinking!

JOHNNY MULRENNAN told us what the Federal Government is thinking in his report on the pending Mosquito Control Act for 1969. He gave us a concise summary and went on to say that after 14 years it really seemed time to do something and this Bill represented about the very best compromise of all opinions and interests that could possibly be devised. At any rate, it was certain that "This Bill appears to have reasonably met the needs of the nation in the best public interest. It could greatly further the committed objectives of the American Mosquito Control Association."

BY THE WAY . . . HAS ANYONE AN IDEA FOR AN OFFICIAL SEAL? Heraldry and all that? A mosquito gules, rampant upon a field vert and crossed by a spray argent, surmounted by the motto d'or "AMCA SIC SEMPER AETERNA."

RIGHT AFTER WE GOT BACK FROM THE TRIP AFTER THE TRIP TO VIRGINIA we find a communication from Mo HIRST who is the new prexy of the North Carolina Mosquito Control Association, succeeding DAVE HILL. The new Veep is GEORGE SWEARINKEN and the new Secretary-Treas is JAMES SILVERTHORN. The NCMCA's Fourth Annual Meeting was held at Atlantic Beach, North Carolina, on 17 and 18 April and had some impressive speakers and symposia. KEN KNIGHT, now Head of the Department of Entomology at NC State, you know, was one of them, giving a synopsis of North Carolina control. Of the symposia the one we would most have benefited from, we think, was the one on Education of the Public from the standpoint of the newspaper editors and reporters.

WE MISSED SEEING DR. ROY AND MRS. FRITZ, DAMN IT, WHEN THEY WERE HERE AND WE CAN ONLY HOPE THE ALOHA WAS ADEQUATE. (It's been accused of getting a bit *commercial*, these days.) Roy came for a vacation so naturally he spent his time with PAT NAKAGAWA and the other mosquito control types and the University ones like MERCEDES DELFINADO and ELMO HARDY. Roy is en route to 6 months in Riverside at the University of California for further edification though since he finds out what the Universities later teach we aren't sure what he'll get out of all this except 6 nice months in Riverside. Getting used to English, probably, after all that WHO French at Geneva.

AND SPEAKING OF WHO, ANDY McCLELLAND TOLD US AT WILLIAMSBURG ABOUT THE NEW RESEARCH UNIT AT DAR ES SALAAM, TANZANIA. It was established in April of last year, under the name of East African Research Unit and the first Project Leader was veteran mosquito researcher Professor J. D. GILLET of London. C. TEASDALE followed from October. The permanent staff include W. KEITH HARTBERG, freshly PhD'd from GEORGE CRAIG's lab and MILAN TRPYS of Czechoslovakia, who recently studied under BILL HORSFALL at Urbana and has appeared in these pages. GORDON SURTEES of England, K.R.P. Singh of India, who is a former student of TONY BROWN's if you didn't know, visited with the unit in 1968 as consultants, as did Andy, himself. Andy has since gone on a 1000-mile safari to collect a special strain of *Aedes aegypti* . . . he didn't say where but Africa's a big continent and Tanzania is a big place so it may all have been in the same country. He learned how to preserve himself AND the mosquitoes intact, which was fortunate when his brand new Land Rover rolled over 1½ times on a less than adequate road. But he was saved by a beautiful missionary, he says with a dreamy smile. We thought they called those visions *houris!*

K. R. S. ASHER SENDS US AN ANNOUNCEMENT FROM HIS VOLCANI INSTITUTE FOR AGRICULTURAL RESEARCH IN BEIT-DAGAN, ISRAEL, about the Third International Congress of Anti-Parasitologists (if we may be permitted a free translation) which is to be held in Milan, Italy, 6 through 8 October, 1969. This will be under the auspices of the International Congress for Plant Protection and the fee is 200 Swiss francs, which sounds nominal, but remember those Swiss francs aren't under deGaulle. There is no fee for wives. Papers may be presented up to 5 pages in length, with a 1 page summary, and must be presented in 10 minutes in English, French, German, Spanish or Italian. While most of the themes appear to be agricultural crop oriented, there are several bearing on pesticide residues in the environment, inhibition of feeding mechanisms, chemo-sterilization and microbial agents.

Meetings are popping up all over, what with a malaria symposium at the Walter Reed Army

Medical Center in late May and a medical meeting at the SEATO lab in June. While we were there in Bangkok we naturally took as much time as we could get away with to visit the famed SEATO lab and talk to DOUG GOULD and his cohorts Captains BRUCE HARRISON and MICHAEL SULLIVAN. They are doing some fascinating and useful research off yonder, like looking into the identification of the true prime vectors of not only malaria but also dengue and the haemorrhagic kind, in Thailand and surrounding areas. Needless to say, this is mighty important, not only as leads in Vietnam, but elsewhere; and it isn't easy, either, when you have a fistful of prime suspects and some of the primest refuse to come up gorged with human blood as often as the books say they should. Places like the U.S. for instance, that have *albopictus* and *aegypti* and dengue all at once. (So far, it's *aegypti*, hands down, in Thailand!) And what do you do with a variety of *Anopheles* in atypical and hard-to-get-at places?

Doug has moved into a lovely big lab building next to the old one, with a wonderful view of the city and wide, modern, rushing Phrya-Thai Boulevard, with the Capitol and temples and palaces all around the horizon. Lovely, that is, except that he's eight floors up and no elevator yet! However, he and his crew (including Dr. HAROLD STARK of CDC Atlanta fame, who's making impressive discoveries on his little-studied rats and their ectoparasites) all seem to be kept pretty fit by the climbing regimen. Probably beats jogging, which ain't very PRACTICAL in Bangkok. Other than what one does by dodging the everyman-for-himself traffic. Anyway, they all look mighty athletic! They have high aims in their research and, it seems to us, good prospects of reaching them. "But it's *slow*," says Doug. Well, that's life, isn't it?

ENTOMOLOGISTS WHO HAVE BEEN BROUGHT UP ON THE MALE-MOSQUITOES-ARE-FERDINANDS CONCEPT ARE IN FOR A JOLT if the article BILL BICKLEY sent us is based on true fact. Appearing in *UIR/Research Newsletter* of the University of Wisconsin for February 1969, this article by Patricia Wathen starts off with the statement that mosquitoes, like bees and flies, have been found to be important in the pollinating of flowers . . . specifically an orchid, *Hubenaria obtusata*. This is startling enough, particularly as most orchids don't propagate much by seeds except if you give them agar nutrient in Ehrlinmeyer flasks and things like that. But the real kicker is that the mosquitoes doing the pollinating are *females*! Not the males, that we always thought of as flitting about sipping nectar while the females were guzzling up (our) blood. This sort of goes in the well-I'll-be-damned file, doesn't it? And think of the implications . . . how'd you like to go about planting a few orchids for mosquito control (with poisoned nectar, perhaps . . . or just to bait the little ladies away from us). Dr. Leonard Thien, a botanist at Wisconsin, and his colleagues, Drs. John Thompson and James Larsen, found

lots of female mosquitoes of other species trying to get the nectar but unable to find the little holes the flower provided for the successful species, so this might be a growing thing. They said the pollen was always on the eyes and seemed to interfere with sight and navigation. The pictures show it on the palpi, however, but this is a small difference. From the size of the pollen it would interfere with navigation all right. They didn't say what species it was, but from the pointed abdomen it was an *Aedes*, we guess. It was in the Arctic, too . . . might be *communis*? . . . and *communis* occurs down the mountain camping resort areas clear to California. Take it from there, DICK PETERS! [And see pp. 252-255, this issue—Ed. Note.]

CHET ROBINSON REPORTS THAT HIS DISTRICT HAS TAKEN TO THE HILLS . . . the Berkeley, Oakland, San Leandro and Sunol (Calif.) hills, that is. They treated an average of 3,700 treeholes a month for the control of *Aedes sierrensis*, using DDT 50 percent wettable powder to the tune of 397 pounds. They get control good enough to permit stretching treehole treatments to a 4-year cycle, which seems pretty damn good. Our little old *albopictus* breeds in treeholes, too, Chet, along with about anything else that holds water, and *we've* been getting pretty good control with DDT wettable . . . but four YEARS? Like wow!

GEORGE THOMPSON HAS FOUND *Culiseta inornata* STAYING FAIRLY ACTIVE in his Jefferson County (Texas) District and observed them flying several nights when the temperatures were in the 40's, and *Culex salinarius* was observed flying at nights with the temperatures in the 50's. He also observes that February was *much* warmer this year than last . . . at 54°, a temperature at which sunny Waikiki and Hawaii in general have been freezing for the past three months! (Actually George has a nice climate and averages 54 . . . it's just that we sort of think it is cool at 70.)

GLEN COLLETT SENDS US THE PROCEEDINGS OF THE TWENTY-FIRST ANNUAL MEETING OF THE UTAH MOSQUITO ABATEMENT ASSOCIATION, which was held in mid-October 1968, and this must surely be a world's record to getting out proceedings. 'Tain't no little bitty thing, either, it's a good, big book, filled with good, big papers including an up-to-dating of her classic mosquito age determination technique by BETTINA ROSAY, joined by DICK FROLLI. DICK HAYES had a paper on WEE virus infection rates among *C. tarsalis* collected by different trapping techniques, which discusses our perennial *bête noir*: Are Our Estimating Data Valid? And there's a lot more; you Western types, particularly, may want to beg Glen for one of this issue.

CHARLIE SCHEEL AND ART MACBAIN SENT US THEIR DESPLAINES VALLEY MAD (Illinois) ANNUAL REPORT, too, and it contains the good

photography we have come to expect in it, and also a good bit of food for thought. Among the things we never knew until now was mass immigrations of *Aedes vexans*, which we had always considered a home-body. How wrong can you be? Desplaines found (and Art implies this was also confirmed by such as BRUCE BROCKWAY, AL BUZICKY and the University of Illinois bunch) that there was an explosive brood and mass flights of *vexans*, the heaviest in many years, and coming from far enough away to show a variation in size and color from the local types. ooooooh!

AND SPEAKING OF PICTURES DID YOU SEE THAT FINE LITTLE BOOKLET VMCA HAD AT THE WILLIAMSBURG MEETINGS entitled, "Mosquitoes and their Control"? It's a dilly and we wish we had one like it for our areas. Come to think of it, with this inspiration, maybe we'll TRY!

AND WE MUSTN'T end this without mention of the City of New Orleans' *Annual Report*, our Prexy GEORGE CARMICHAEL'S OWN. This just hit our desk as we go to press, mails being slow out thisaway; it's really more of a manual than a report. The pictures are stupenduous and the text that goes with them is concise and informative, as you might expect. Maybe George will send you a copy.

THERE ARE SOME MOVE-AROUNDS THIS TIME THAT DIDN'T CONSULT US AT ALL AND WE'D SURE LIKE TO HEAR FROM THEM. Why did you do it, pals? What are you doing at the new location? Dish us the scoop.

LIKE VIRGIL MILES has gone from Bakersfield to Fremont, Nebraska . . . is that an improvement? . . . and Capt. R. R. Carestia has gone to MAJOR CARESTIA, and we know THAT is. And HOWARD KESSLER has left Columbia, Missouri for the South Dakota State University at Brookings. ROBERT HOCKMAN has left SEAMP in Washington D.C. for Yonkers, New York, only nobody works in Yonkers, so where *are* you Bob? FRED MORTON is back in his old stomping grounds in Curunder, Canal Zone, we *think* with the Army come more and welcome back, Fred, and LUIS MATOS is in Ft. Myers, Florida. M/Sgt. JIM PALMER, who

invited you all to Elgin AFB awhile ago, is now MR. and living in Florence, Alabama. Good luck, Jim! And does anyone know what's happened to CARL VICKERY? He was in SEA, last we knew, but his mail is returned now.

Well, HELEN LOUISE DURKEE has moved from Danville to Lafayette . . . and where is this place CA? New house and loving it, she says, but Helen has always loved the world and all that's in it. GARY TANNER has gone from Atlanta to Blacksburg, Virginia . . . with VPI? . . . and TAKASHI ISHII has moved from Sendai to Kyoto, in Japan, both lovely, but Kyoto a whale of a lot warmer in winter. Capt. WAYNE HOCHMEYER is now at the University of Florida and Major VANCE LOY is at Ft. Totten, N. Y. BILL WYMER has fled Charleston for San Diego, trading The Citadel for The Mission. HERIBERTO TREVINO has left entomology for rabies, but we hope not permanently, leaving, at the same time, Texas for Lawrenceville, Ga., and Dr. LAWRENCE SMITH has gone from Atlanta to Natick, Mass. Who'd we miss? OH! LT. JOHNNY MULRENNAN, JR., who is now LCDR Mulrennan and back at the DVCC at NAS Jacksonville (how'd THAT happen?). Welcome back Johnny!

RAFAEL MIRANDA-FRANCO writes as follows:

"In the March issue of 'Mosquito News' in the Section 'News and Notes' there is a notice of my transfer from Rio de Janeiro to Panama. It states that 'Rafael Miranda-Franco has gone from Rio to Representante della OPS/OMS in Panama (de los ?), 'de la' is correct inasmuch as 'OPS/OMS', (or PAHO/WHO) is *one* organization not two.

"I wish to make the following correction:— I was transferred to Panama to work under the 'Representante de la OPS/OMS' (Country Representative of PAHO/WHO). My work here, as in Brasil, is as advisor in the malaria eradication program. The Panama program is much smaller than the Brazilian, but interesting. Right now it is being reorganized and in July will begin a Triennial Plan during which all attack measures will be intensified in order to achieve eradication in the shortest time possible."