

NEWS AND NOTES

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THE MEETINGS GET GREATER AND GREATER YEAR BY YEAR AND THE ONES AT ANAHEIM (CALIFORNIA) WERE SO GREAT IT'S HARD TO KNOW WHERE TO BEGIN TELLING ABOUT THEM. PERHAPS THE EVENTS AT THE BANQUET ARE AS GOOD A PLACE AS ANY. Early on, there was a standing ovation for JACK KIMBALL, just recovered from a serious illness but still smiling, for the great work he and his crew did on the arrangements. There was another for TED and VIOLA RALEY, along with numerous scrolls and an Honorary Membership for their many years of faithful (and extraordinarily effective) service to the Association. PRESIDENT KEN KNIGHT extended the thanks of the Association as well in the form of a small gift via GARDNER McFARLAND of a home weather center (in California?) which KEN remarked was probably more suitable during the gas crisis than would have been the solid gold Cadillac they deserved.

Medals of Honor, taking our memories back to HAROLD F. GRAY, were awarded to DON COLLINS posthumously and to TONY BROWN for the very great services they have rendered to mosquito control world-wide, and Meritorious Service Awards went to BILL McDUFFIE, posthumously, and to LES BEADLE, JOHN BRAWLEY, OSCAR FULTZ, HOWARD GREENFIELD, PAUL HUNT, DON JOHNSON, JOHN KILPATRICK, JACK KIMBALL and HELEN SOLLERS-RIEDEL, all thoroughly well deserved, we're sure we needn't add.

There were *thirteen* Past-Presidents introduced (we thought we counted *sixteen* at the meetings but we're bad at math). We were especially delighted to see BOB VANNOTE and ROLLIE DORER and we thought we saw DAN JOBBINS (were you there, Dan?).

We *did* see ART and NITA LINDQUIST, about whom we had said last issue that we guessed they'd have to fly to Anaheim on account of the gas situation, but by golly! They were there spry as ever and driving with blithe disregard and confidence that the Lord would provide a service station with gas when they needed it. They left Anaheim still full of that confidence and we hope it wasn't misplaced. (DID you make it OK, A & N?) FREDDY E. GONZALEZ-VALDIVIESO

was called for, a number of times, to give an expert opinion and one informant said he saw him but we weren't that lucky. At the Board of Directors' meeting, however, DON PLETSCHE gave Freddy's very thorough report and pointed out as well the very significant importance of the friends and members of AMCA South of the Border.

JOHN WAPLES, Orange County's Board of Trustees President, introduced the Mayor of Anaheim, who spoke of the explosive urbanization of areas which were orange groves as recently as our previous Disneyland meetings in the 60's and are now incorporated metropolises, problems all too familiar to mosquito controllers in Florida, New Jersey, Virginia . . . and Hawaii. The keynote address was given by a Mr. J.D. JACKSON, a teacher at an air line academy and a truly great public speaker, who pointed out that in our changing times, "if you don't communicate before you innovate, you won't motivate." TOMMY MULHERN, moderating the first panel discussion, innovated the word, "Bioneer" for what a lot of us are. And our loyal and vitally important exhibitors and advertisers had a good deal to show and say on the subject of new ways and things. (FRANK CREADON points out we have benefitted from their support to the tune of some HUNDRED THOUSAND DOLLARS in the past twenty years.)

There was an inevitable tinge of sadness to all our groupings and conversations from the sudden and untimely passing of ART GEIB and AL BUZICKY and yet in another way they were both with us in their usual vital selves, so familiar over the years. They will always be, we think together with the great procession of our predecessors, whom they have joined. We shall continue to see ART breezing across sunny California fields and, to us, AL will always be present at meetings as the tall, slim young man we first met leaning modestly against a wall, too humble to barge up to the mosquito control greets he recognized about him.

NOW THAT KEN KNIGHT IS ONLY THE PREXY OF THE ENTOMOLOGICAL SOCIETY OF AMERICA and no longer of *us* (though an honored Ex-) we can confess that we don't *have* a copy of Stone, Knight and Starcke, being impoverished, and trading on our friend the Bishop Museum's library, where we had neg-

lected to look, and so we didn't know it lists *Kerteszia* (NOT *Kerteszia*) as a sub-genus of *Anopheles*. DON HILTON tactfully pointed out our lapse of Dec. (thanks, DON!) so now we're not quite so ignorant and we apologize for mixing you up, if we did. The sub-genus contains six species, all of which are restricted to South America or adjacent regions.

A.B. WEATHERSBY WROTE US A NICE NOTE ALMOST A YEAR AGO AND WE SHOULD HAVE MENTIONED IT SOONER, TO SAY THAT HE IS NOT A.A. WEATHERSBEE, though he would not object to being thought a relation. Part of the confusion stemmed from the Navy having done the original mixing up when A.A. with-ee's orders to the South Pacific were given to A.B.-with-a-y. Since the Army once responded to a request for our record by announcing they had no record of "the alleged former officer," we're not too astonished at this, as we're sure not many of you will be. A.B. also took the occasion to praise young GEORGE PRATT as a chip off the old block, no minor praise. (We should have said earlier that GEORGE was at the meetings in his own right and taking part in mighty fine discussions, as well as bearing up much better than we did under being introduced to entomologists as "... the son of . . . !")

TOMMY MULHERN, WITH ALL HIS MANIFOLD NEW DUTIES FOUND TIME ALSO TO GIVE US a letter from Dr. ELIZABETH MARKS of the University of Queensland at Brisbane. She says, mosquito control in Australia is mainly the responsibility of Local Government — City, Town or Shire Councils. There is no legislative provision for Mosquito Abatement districts, and generally no directives or recommendations from State Departments concerning control measures. . . .

"Bancroftian filariasis has disappeared (though dog heartworm is common), dengue has not occurred for nearly 20 years, there have been no locally acquired cases of malaria reported from the Australian mainland for 10 years, and serious cases of Murray Valley encephalitis are exceedingly rare. Mosquitoes thus have now mainly pest importance in Australia in relation to human health." We might add that any malaria- or encephalitis- or dengue-infected mosquito arriving in Australia will have to survive the most thorough aerosol blitz we have ever experienced in our travels . . . and more power to the Australians in their determination to keep unwanted things out! Dr. Marks was advising the local Brisbane citizenry when we were there a few years

ago, so that they could utilize their existing Queensland regulations when things got *too* bad (we all know how those things go) and has promised a summary discussion on mosquito control in Brisbane from the News Bulletin of the Entomological Society of Queensland. We'll pass word along.

EVEN THOUGH DR. MERCEDES DELFINADO SHOOK THE VOLCANIC DUST OF HAWAII FROM HER SHOES, she and Dr. ELMO HARDY luckily haven't stopped conversing, even though the conversations have to be by long distance mail. (We'd like to have a little from you too, Mercedes!) Their three-volume "Catalogue of the Diptera of the Oriental Region" is nearing completion and the third volume will be available in October, according to the University of Hawaii Press, where we have spies. This definitive work by two leading authorities on this species-rich region will, of course, be a must on the shelves of all entomology libraries dealing with vector control topics.

ALONG THE MILITARY FRONT YOU PROBABLY ALL KNOW THAT CAPTAIN JOE MacWILLIAMS is now the Executive Secretary of the Armed Forces Pest Control Board. LT. COL. WADE FOWLER is the Director of the Military Entomology Information Service and DAN MAIELLO is Deputy.

LT. COL. DALE PARRISH, meanwhile, has been appointed Associate Chief of the USAF Biomedical Sciences Corps for the specialty of Medical Entomology, the Air Force adding, "Your appointment is a clear indication of the esteem in which you are held by your peers and by the Surgeon General of the United States Air Force." LT. COL. WES NOWELL returns gratefully to his research duties and duties as Deputy Chief of the Epidemiology Division of the AF School of Aerospace Medicine at Brooks AFB in San Antonio.

VMCA's SKEETER reports that the company manufacturing the AK-EC Murder Bug Insect Killer (!) is trying to recall them following the explosion of one in an EPA laboratory. *Skeeter* points out that these contraptions have gulled thousands of people (and still are doing a profitable business here in Hawaii, for instance) so the loss from the market of one brand of them won't be a big loss to the world. We don't hold with quite all the hysterical recalling of wholesale lots of machines because one or two had defects but we must say we go further than *Skeeter* in our feelings about these useless contraptions. We're

glad to have some of them withdrawn. We hate to see people stuck because they're ignorant. . . . and won't ask advice.

Skeeter also comments on the finding of a strain of *B. thuringensis* that's effective against mosquito larvae, and can be mass produced. Expensive now, perhaps, it opens up a new realm in control with an agent once thought to be of limited application.

ROLLIE INCIDENTALLY IS CELEBRATING (IS THAT THE WORD, ROLLIE?) HIS FORTIETH YEAR IN VIRGINIA MOSQUITO CONTROL!! Wow. Well, it seemed to us as if Rollie had always been there, of course, and yet it doesn't seem as if he's old enough for that either. Must have started out as a child, Rollie. Congratulations!

JACK McDONALD WAS AT THE MEETINGS LOOKING VERY FIT AND LOOKING VERY CIVILIAN, TOO, WE MUST SAY, especially for an old Marine. That's why we didn't mention him among the military a few lines back. He's at the University of Arizona now, on school leave, and working on the bionomics of mosquitoes in semi-arid areas, such as there. He says he expects the study to be a highly practical one. . . . "almost to the point of being useful!" For a Navy man, Jack seems remarkably fond of the Desert!!

AN UNIMPEACHABLE SOURCE WHOM WE SHALL NOT IDENTIFY TOLD US that the august *Journal of Agronomy* jokingly or otherwise has indicated that all authors must use the metric system in submitting papers for publication and that they must be on 8½" × 11" paper. (inch)

BOTH RUSS SIVERLY AND THE GENTLEMAN FROM ARIZONA HONORED AND FAVORED US WITH COPIES OF THEIR RECENT PUBLICATIONS, *Mosquitoes of Indiana* and *Mosquitoes of Arizona*, respectively. Both are remarkable for having good, clear line drawings of keys, with the critical feature emphasized by an arrow, something we, being weak in taxonomy, are especially glad to have. Russ' opus, perhaps by reason of the greater number of species found in Indiana, is considerably more elaborate and includes not only descriptions and keys but full discussions of habitats, although the Arizona opus has a pretty complete discussion of the bionomics too, for that matter. The *Mosquitoes of Indiana* also has complete structure drawings of great accuracy as well as the line keys. You may be able to get them both, if you want to ask the Indiana State

Board of Health in Indianapolis and the Arizona Agricultural Experiment Station in Tucson.

WE HEAR FROM THE SAME UNIMPEACHABLE BUT UNIDENTIFIABLE SOURCE MENTIONED ABOVE that KEN KNIGHT is in need of someone to take on a six month project writing extension bulletins and we'd like to apply if it weren't for one we already have here until June and a trip we hope to take to Yurrop in September. We love to write! However badly.

ONE OF OUR MOST DEDICATED CONTRIBUTORS has called to our attention the people and places section of *Bioscience* Vol. 24 No. 1, which notes that BRIAN HOCKING, who besides being a distinguished AMCA-er is Chairman of the Department of Entomology of the University of Alberta, in Edmonton, has been named the recipient of the Gold Medal of the Entomological Society of Canada for outstanding achievements in entomology. BRIAN is of course a recognized authority on insect flight as well as on the behavior and control of blackflies and mosquitoes. And if anyone thinks it's pretty romantic to go up to the Arctic Circle and study the flight habits (among other things) of various mosquitoes, greenheads and blackflies in a short-span, maximum population including about a hundred million *Aedes communis* per acre ('scuse, *hectare*), most of them very, very voracious, maybe Brian will take you with him some time, if he's still spending his July's that way, that is. Brian, by the bye, is author of more than 100 papers and of three books.

FRED ROBERTS REPORTS THAT HE HAS HAD A MOST REMARKABLE YEAR WHICH IS NOT THE SAME AS SAYING IT WAS A GOOD OR AN ENJOYABLE YEAR AS WE ALL KNOW. Alameda County (Calif.) had near record rainfall with attendant increases in mosquito problems and even more increase in non-biting mosquito-mimicking midges, and you know what *that* does to telephone complaint levels! In addition, the grey salt marsh mosquito, *Aedes squamiger* took advantage of the opportunity to make a comeback in the distribution pattern along the Bay. At the height of this problem, the midge calls reached 97.5%, which Fred felt wasn't really the best of timing.

GEORGE THOMPSON DOWN IN JEFFERSON COUNTY (Texas) ON THE OTHER HAND had luckier timing as the excessive rains increased his fresh-water problems but they're not

too hard to handle when there isn't a concurrent storm to bring salt marsh flights and double problems.

CAL ALVAREZ AND HIS DESPLAINES VALLEY (Illinois) MAD HAD A VERY SATISFACTORY YEAR IN 1973, thank you, when for some reason (perhaps diligence and good planning?) their pre-flight treatments kept adult mosquito populations at a reasonably low level. There was a lower-than-expected emergence of periodical cicadas, too, but Cal didn't think there was much connection! Except people weren't so jumpy, maybe.

NOT TALKED OUT ABOUT MOSQUITO CONTROL AT ANAHEIM, MARYLANDERS AND FLORIDIANS WENT RIGHT HOME AND SCHEDULED FURTHER MEETINGS. In Maryland, Prexy BOB ALTMAN was lead off man at a Mosquito Control Seminar held at the Wye Institute in Wye, (Maryland!) in a program that included a discussion by Col BRUCE ELDRIDGE of mosquito transmitted diseases in the state, a discussion of chemicals (yes, some of us still use them) by GARY MOUNT and a roundtable on ULV.

IN FLORIDA, the Anti-Mosquito Association's FORTY-FIFTH annual meeting had a Marine Color Guard from the Air Station at Key West, where the meeting was, or was predicted to be as we went to press. (We went to press . . . well, met our deadline for copy, really . . . on 15 April, so the Maryland meeting on 5 April and the Florida one on 28, 29 and 30 April and 1 May, were just predictions. But we trust they went as planned.) After Pres. DAN GORMAN's Address, there were scheduled papers by JOHNNY MULRENNAN, GEORGE CARMICHAEL, MAURICE PROVOST, PAUL HUNT AND ANDY ROGERS. In the afternoon, HAROLD FAIRCLOTH, who graced our Navy program in his (and our) younger days, gave a report on a cross-section of mosquito problems on the Florida West Coast and FRANK WILSON and JOHN BEIDLER reported on the Central Uplands and the East Coast. We were born near Mount Dora, which we guess is the Uplands, about 300 feet, so we guess they weren't bothered with Alpine species! The remaining days, which included papers by out-of-staters like V.P. CHAPPIE CHAPMAN and OSCAR FULTZ, not to mention out-of-the-country Dr. MARCO GIGLIOLI, who came all the way from Grand Cayman, read like the Index to MN, which we just finished proofing, so they all had a full and informative time. We'll bet the fishing was good, too!

PHIL CORBET HAS MADE A MIGHTY JUMP AROUND THE WORLD AND WE'D COMMISERATE WITH HIM ABOUT LEAVING CANADA except that he's going to New Zealand and what's more to our favorite city there. He may henceforth be addressed as Professor and Director of Studies in Environmental Sciences in the Department of Zoology of the University of Canterbury, Christchurch, New Zealand. Next door he has one of the world's loveliest botanical gardens, a very pleasant little art gallery and a fine Museum (with quite an extensive collection of fascinatingly exotic insects), so we advise you to put him on your itinerary when you globe trot. If he doesn't want visitors, he shouldn't have gone to such a nice little spot!

DON NEWSON FIRED UP THE NORTH CENTRAL REGION TO THE POINT THAT THEY HAD A REGIONAL MEETING ON 25 and 26 March at the Sheraton Inn in *O'Hare South* (it calls it here). Don says the meeting was well attended and was marred only by Chappie's absence. His paper was given by DON WOODARD of the Lake Charles lab but knowing Chappie was in traction didn't lift anybody's spirits. Letters, guys. The main purpose of the meeting was participation with the National Mosquito Control- Fish and Wildlife Management Coordination Committee and JACK TOUHEY, who remembers when we fought everything with paris green, lead arsenate, nicotine and oil (not mixed!), had a paper on pesticides as available tools, *not automatic solutions* to problems. CLAUDE SCHMIDT and SAM BREELAND had papers on improved techniques and surveillance, respectively, GENE DeFOLIART and MARGARET PARSONS spoke on encephalitis in their regions and AL THERRIEN reported a reappearance in Michigan. The use of insecticides to avoid bird migrations was discussed by Dr. WILLIAM BEECHER; JAY GRAHAM and F.C. RABELIAS spoke on filariasis, human and dog, and altogether it was a well-rounded postlude to Anaheim. There were something over a hundred people there, including GARY MOUNT and TONY BROWN who weren't listed on the program but should have been. You know, if a person went to all these wonderful meetings he'd wind up wonderfully well educated. . . . but sort of out of breath. Just the same. . . . !

NEWS AND NOTES MAY BE A MITE SHORT THIS ISSUE, UNLESS MARGARET SLATER (BLESS HER) ADDS ON SOME TAG ENDS but our good publisher, BOYD PRINTING CO. has installed new methods and we hope

to make our issues come out in the proper months hereafter. (In fact, they've speeded things up so much that the galley proof of the Index didn't have time to get out here and right back by air mail before the page proofs went in, so if we misspelled your name, sorry.) Well, while we're on this boring topic of US, we may as well say that we plan to do our best and we wish someone would step smartly front and center and take over before we get fired; but we are painting our house and selling it and (we hope by the time you read this) fixing to move back to California. And then we're going skytelling off to England and France and Italy and Switzerland (but not, sob, to Geneva) for a couple of months in the fall, so if N & N is a trifle more erratic than you like, at least you'll know *why*.

AND IN THE MEANTIME, we're helping out in a minor sort of way with a training program that the University of Hawaii, with assists from PAT NAKAGAWA and JIMMY IKEDA, is running for the EPA to train some of the key pest control people around here so's when the exami-

nation time rolls around and certifications are handed out, these folks will be able to qualify for them. And, you know, if you-all aren't already thinking about this sort of thing (aw, we *know* California did it long ago!) you better get crackin'. 'Cause another thing that got discussed at the meetings was the classification of chemicals that could be used by you-know-who's; and without certification, let us tell you, they're danged few!

DON WOMELDORF IN READING A PAPER HE AND PAT GILLIES, assisted by E. ZBORAY and K. E. WHITE, presented on the status of organophosphate and carbamate resistance, said that unfortunately the dry language of a scientific report gave little hint of the anguish that flooded the human breast on discovering *resistance!* Nor does EPA's regulation on what chemicals can be used where give any indication of the anguish that will flood the breasts of those who fail to qualify to use them! It's a tough world we're growing into, mates.

ONE LAST ALOHA!