

## NEWS AND NOTES

AUSTIN W. MORRILL, JR.

DON JOHNSON HAS SENT US THE LATEST "WORD" FROM CDC AND RIGHT ON THE FRONT PAGE IT TELLS US THAT CDC IS NOW CDC AGAIN. Not that we had ever called it anything different. This National Communicable Disease Center didn't somehow seem to affect our consciousness much. We mean, well, it's like it's more sort of *InterNational* anyhow, isn't it? We've thought so, anyway. So now it's Center for Disease Control . . . and that's CDC, sec?

Well, the point of all this is . . .  
*The Word* has an article that deals with just that . . . the international aspect of CDC, as shown in CAMRS, the Central America Malaria Research Station in San Salvador. This laboratory, in buildings donated by the government of El Salvador and dedicated in 1968, is now the focus for a wide-ranging Panamerican program dealing with a multitude of the problems associated with malaria . . . with the vector, *Anopheles albimanus*, and with suspected other vectors, with the strains of malaria, to date encompassing *P. vivax* from Panama and El Salvador and *P. falciparum* from El Salvador and Honduras, with various insecticides, with source reduction techniques and with host preferences. The problem of insecticide hazard to building occupants is being investigated by drawing samples of air from sprayed houses in places such as the state of Matto Grosso in Brasil and subjecting them to chemical analysis in the home laboratory. Also in Brasil, the possibility is being investigated that p-p' DDT may be as effective as DDT itself, with a potential savings of 50%, no mean item in financially hard-pressed countries. Showing that CDC has grown quite a ways since the beginnings when it was Malaria Control in War Areas and yet the problem remains the same: malaria hasn't yet been entirely licked and we can't rest anywhere until it is.

WE KNEW WE COULDN'T SINK A SMALL UNSERVED BARB IN HARRY PRATT BY SAYING WE HAD TO ASK HIM FOR NEWS WITHOUT GETTING A WONDERFUL INSTANT RETURN! HE PROMPTLY & FULLY REPORTED THAT THE FALL MEETING OF THE FLORIDA ANTI-MOSQUITO ASSOCIATION at Cape Kennedy Hilton Motel (how you guys do suffer!) at Cocoa Beach, Fla. October 21-23 was a huge success with over 100 people in attendance. The first afternoon chaired by FAMA president JOHN O'NEIL included reports by all the mosquito districts, a discussion of mosquito control legislation by JOHN MULRENNAN, and new mosquito control research by incoming AMCA PREXY JACK ROGERS, MAURY PROVOST of the Vero Beach Entomological Research Center,

and AMCA South Atlantic Regional Director, E. J. BEIDLER.

THE SECOND DAY WAS A JOINT MEETING WITH THE NEW NATIONAL MOSQUITO CONTROL-FISH AND WILDLIFE MANAGEMENT COORDINATING COMMITTEE, following the traditions of the 1960 Washington meeting, the Yosemite meetings of 1962 and 1964, and the Newton, Mass. meeting of 1966. This year the committee has Fish and Wildlife's WALTER DYKSTRA as chairman, and such AMCA stalwarts as CLAUDE H. SCHMIDT, secretary, and BOB VANNOTE and HARRY PRATT as members. Most of the morning was devoted to impoundments to help joint interests of mosquito control and fish and wildlife with papers on work in a Florida mangrove swamp by BOB HARRINGTON from Vero Beach and a wonderful colored-slide-talk by AMCA REGION II DIRECTOR, BOB LAKE. DON WEIDHAAS from the Gainesville, Fla. Laboratory described the many facets of USDA research from ULV aerial application to use of viruses, nematodes, and the sterile male technique for mosquito control.

In the afternoon WALTER DYKSTRA distributed a new "Handbook of Toxicity of Pesticides to Wildlife" by R. K. TUCKER and D. G. CRABTREE as Resource Publication No. 84 of the Denver Wildlife Research Center, Bureau of Sport Fisheries and Wildlife, \$1.00 from the Superintendent of Documents in Washington. A wonderful quick reference if you want to know the danger of most of the currently used pesticides to birds, rats, deer, or bullfrogs!

CLAUDE SCHMIDT distributed the new leaflet on "Coordinated Mosquito Control" prepared by the NMC-FWMCC which is available to AMCA members by writing Claude at the Entomology Research Division, ARS, USDA, Beltsville, Maryland 20705.

Of course in the evening everyone drove to JACK SALMELA's wonderful Brevard County Mosquito Control District for THE MIXER (need we say more!) and Barbecue.

Friday, JACK SALMELA, showed the group the impoundments by which he has changed some of the worst *Aedes taeniorhynchus* salt marshes in the world into relatively harmless *Culex* and *Anopheles* breeding places, thus making it possible to have the U. S. Space Program at Cape Kennedy and to land Americans on the moon. During the three-hour tour of these impoundments the group saw more rare water birds (roseate spoonbills, wood ibis, avocets) and thousands of other birds like ducks and pelicans than most of them had ever seen before. After

lunch most of the group just "happened to see" the huge buildings and gantries from which Americans were launched, first into outer space and ultimately to the moon. On Friday afternoon, and again on Saturday, PAUL HUNT showed interested people the 1100 acre Tomoka marsh near Daytona Beach impounded to reduce salt marsh mosquito breeding places at the same time helping fish and wildlife interests.

IN HAWAII, PAT NAKAGAWA WITH A SMALL ASSIST FROM CDC PUT ON AN ABSOLUTELY TOP NOTCH TRAINING COURSE which was attended by over 70 people from various agencies all over the Islands. It was held at the Field Facility of his Bureau of Vector Control of the Hawaii State Board of Health in the room where the luau was held last spring, but this wasn't any luau. Enjoyable but definitely a you-better-pay-close-attention-cause-we're-only-telling-you-once thing. HARRY PRATT couldn't be there (funds, you know) but Drs. AL BARNES and JACK POLAND, who flew in from Vietnam, were. There were lectures on flies by Dr. ELMO HARDY, who isn't an AMCA'er but should be, (Hi, Elmo!), and Dr. RAY JOYCE, who IS. JIMMY IKEDA and GEORGE KITAGUCHI told them how to do what they're all ready doing well, better. CAPT. DICK HOLWAY gave them points on what to DO and what NOT TO DO with insecticides . . . how to use them both safely and effectively, that is. And a good deal more over the three days. FLORIDA MAA's good film on Organized Mosquito Control, was one of the highlights. If you haven't borrowed that for your District, you oughta.

FRANK J. VON ZUBEN JR. died on August 2, 1970, in Austin, Texas at the age of 61, after many years in AMCA and many years with the Texas State Health Department, where he devoted most of his time to mosquito, fly and rodent control, to promoting sanitary landfills and to epidemic and disaster aid. From 1964 to 1967 he served as Project Officer of the Texas *Aedes aegypti* Eradication Program. He had an international reputation for his activities in the United States-Mexico Border Programs, not the least important of which was his skill as an international Ambassador of Good Will.

JOHN L. SADOWSKI died also in August, in a head-on collision in Fredericktown, Missouri, on the 19th of that month. He was active for many years in the St. Louis area mosquito control, was Regional Director of the Region VI vector control activities of the Vector Control Conference and Deputy Commissioner of Health in the St. Louis Department of Health and Hospitals. At the time of his death, he was Director of the St. Louis Rat Control Project.

Both these old friends will be sadly missed by many in their respective areas and by many in AMCA. The harvest is great and the laborers are few.

BILL HAZELTINE IN CALIFORNIA IS CARRYING ON THE FIGHT TO SAVE DDT BECAUSE ALTHOUGH DDT HAS LOST MUCH OF ITS USEFULNESS TO US, IT IS STILL VITAL TO THE MALARIA CONTROL EFFORTS AND THE FOOD OF MUCH OF THE REST OF THE WORLD AND BESIDES IT'S BECOME A FOCAL POINT for the unreasoning attack on all insecticides. He wrote a letter to his Governor Reagan, whom you may have seen in the late, late late movies, pointing out that there was all sorts of fiction mixed with a small scattering of facts, and detailing some of the fairy tales, if we may pun. It probably did small good but every effort is worth while if only to keep us at it.

ANYWAY, NOT TO DOWNGRADE BILL'S WORK, HE ALSO WROTE UP A LETTER WHICH WE WISH WE COULD QUOTE IN FULL BECAUSE IT WOULD SERVE AS A MODEL FOR MANY OF US WHO WISH TO BE HEARD. What prompted his action was the suit brought by the "Environmental Defense Fund" against the FDA to get a zero tolerance established for DDT. His intention in his letter was to point out the inappropriateness of the excess restrictions against DDT (and thence all insecticides) and the tolerance against mercury seemed the best lever to get the matter considered, he said. It also has a zero tolerance, which is not being enforced. Mercury is a widely-occurring substance, of course, much of the occurrence being natural, and yet this substance has against it far more evidence of harmful effects on humans than does DDT. According to Bill, the Appeals Court of Washington ordered FDA to establish a zero tolerance and FDA, instead of contesting this, has started the procedure. If a zero tolerance is established and really enforced, there will quickly be no food on the American table and while this might bring the facts home to the electorate, it would be a lesson too costly to be borne by Agriculture, possibly a fatal one to many small growers, as it is to the small developing countries whose faltering economies are being bolstered by shipping produce to us. Since mercury-containing compounds have a zero-tolerance and since they fit the criteria of the Court, one can imagine the results if the ban were uniformly enforced. All fish and many wild game foods would be banned. The ocean fishing industry would be seriously affected, which might serve them right since they've beat the drums against DDT. Bill adds, "I urge you to jolt your administrative friends to see the trap they have supported, and to recognize that it is a serious problem. The solution I propose is merely to establish a policy of reasonable use and reasonable risks for DDT, mercury and all other 'environmental contaminants.'" Don't give up the ship.

BILL BICKLEY POINTS OUT THAT IT ISN'T ABSOLUTELY DARK OUT THERE EVEN WITHOUT INSECTICIDES, what with sex pheromones, cytoplasmic incompatibility, genetic imbalance, juvenile hor-

mones, sterility and above all bacterial, fungal and helminthic parasites to play with. He reports that at the Fourth International Colloquium on Insect Pathology, held on 25 to 28 August 1970 at College Park (Maryland), there was a meeting of those interested in the biological control of insect vectors. A statement was prepared for submission to *Nature*, calling attention to the desirability of exploiting the biological control agents. It was pointed out that microbial agents must be used along with other control methods and that there is much need for additional research. There were six papers dealing with the microbes affecting mosquitoes, and that's heartening. Remember when it seemed a kind of far-out project?

AND GEORGE THOMPSON SENDS US AN EDITORIAL FROM THE BEAUMONT (TEXAS) *SUNDAY ENTERPRISE* which gives some indication of how people will react if insecticide restrictions reduce the amount of food available.

"MOSQUITOES: WHEN THE SKIES opened up yesterday, our first thought was this: If rain drowns mosquitoes, let it pour. For the last few days, millions of these insufferable insects have "imprisoned" Beaumonters in their own homes. In fact, the recent invasion did something terrible to the new respect for ALL life we had acquired from ecological evangelism."  
Beautiful, George.

GENE GERBERG WROTE US IN SEPTEMBER FROM DAR ES SALAAM IN TANZANIA, where WHO (and Africa) had called him for 2 months as a consultant. (Why don't WE ever get this kind of calls? When OUR phone rings it's "When are you going to fog off these damned mosquitoes?") Gene took over from ANDY McCLELLAND who returned to California. KEITH HARTBERG left in July for Georgia Southern College, but MILAN TRPIS is still there and NORM GRATZ came down from the "home office" in Geneva for a week's visit. WAYNE CRANS from Rutgers is at the East Africa Malaria Institute working on filariasis. Gene's letter was mailed from Nairobi, which we understand is the Los Angeles of Kenya, and where Gene met GRAHAM WHITE in ELLINOR VAN SOMEREN's office. Ellinor and he are working on a pictorial key to the *Stegomyia* of E. Africa. After Nairobi, he traipsed off to Uganda, to the Virus Research Institute and thence to Geneva and Baltimore. He promised to report on the "real TONY BROWN," who hasn't stood up to be identified yet, and also on JIMMY WRIGHT. IS there a TONY, Gene?

VMCA's (AND ROLLIE DORER's) *SKEETER* POINTS OUT THAT DOG HEARTWORM HAS BEEN FOUND IN HUMANS AS WELL. The mosquito-borne disease is common in many areas, is present in as high as 40 to 50% of the dogs in tropical places like New Orleans and Hawaii and cannot

be viewed complacently anywhere. The adult worm is 14 to 16" long and large numbers in the heart not only clog it but send out millions of microfilariae to block capillaries. Dog symptoms are chronic cough, loss of weight, difficult breathing, skin irritations, irregular heart beat, often red urine and, ultimately, death. In twelve confirmed human cases, the parasites, which appear to be unable to complete the life cycle in man, lodged in the lungs, degenerated and formed a lesion which had the appearance of an attempt to encapsulate. Symptoms were general.

TAKING HIS CUE FROM GLENN STOKES, WHO SENT MEMBERSHIP APPLICATIONS TO ALL HIS ENTOMOLOGIST FRIENDS, GARDNER MCFARLAND WOUND UP FIVE YEARS AS SOUTH PACIFIC REGIONAL DIRECTOR by sending all the regional members a nice thank you note with a strong pitch to help us double the membership, with which he enclosed an AMCA membership application. Any of the rest of your Regional Directors do that? (Sodden thought . . . as Herb Caen of San Francisco (California, you know) says in his colyum . . . we hear that big national magazines about to go down the drain have *limited* their subscription lists to *save money*. We aren't in any danger of doing *that*, are we, Ed.?)

BOB BARNETT HAS A NEAT WAY OF TURNING LIABILITIES INTO ASSETS. When his Harris County Mosquito Control District in Houston (Texas) was overwhelmed by mosquitoes being bred by the dredge spoil of the Houston Ship Channel over which he could exert no control, he "utilized the increased population of mosquitoes to train additional employees in the various phases of mosquito control work." We bet it wasn't a bad way of training the populace in the *value* of mosquito control either. Anyway, he reports the Ship Channel people are now convinced that they are indeed the source of the salt marsh mosquitoes. Reminds us of PETE PANGBURN's and EMBREE MEITZGER's troubles with Mare Island and *their* dredge spoil. These engineers can be a problem.

THE COOK COUNTY (Chicago) AIR POLLUTION ORDINANCE LIMITS PARTICULATE MATTER TO ONE POUND PER ACRE PER HOUR reports GEORGE THOMPSON in his August Report. He figures his ULV "fog" machine, which operates at only 8 g.p.h. has an emission rate of only 0.85 pounds per hour so *he's* safe. You never know about them Chicago cops, though, George.

GEORGE CARMICHAEL'S CITY OF NEW ORLEANS MOSQUITO CONTROL DIVISION PUT OUT A PERFECTLY BEAUTIFUL REPORT ON 1969, in which he (modestly) points out that when they started out he (and DR. HATHAWAY) promised everyone that an effective control *could* be developed, that a noticeable reduction in mosquitoes would be

felt in five years maximum and that this could be accomplished at a cost of from 50 to 75 cents per person per year. This would be a great saving over the amount spent by most individuals in a futile attempt to protect themselves from the invaders, he added slyly. Anyway, all promises have been fulfilled, the people may not be dancing in the streets but they are writing congratulatory letters . . . and so do we. Congratulations, George!

AND CHET ROBINSON REPORTS ANOTHER KIND OF SUCCESS IN HIS ALAMEDA COUNTY (CALIFORNIA) MAD. They treated 3575 catch basins with 12 pints of Dursban and got complete control for more than 90 days. 91, Chet? 99? Anyway, they also made 234 plantings of mosquito fish and treated 1057 acres of creeks and drains, 867 acres of "other" and 612 spots with an assortment of Baytex sprays, granules, malathion, Flit, Abate and 155 gallons of a cost-free solvent. Where you get that, Chet?

LAST TIME WE TOLD YOU THAT BILL WYMER HAD FINALLY SETTLED DOWN . . . IN SAN BRUNO, CALIFORNIA . . . and bless goodness, but the issue wasn't even *out* before he popped up in Washington, D.C. with BILL MURRAY and the Federal Committee on Pesticides. Nobody else treated us like that, we *think*, however. Lt. Col. BILL BARNES has gone to Florence, Alabama, Capt. NORMAN HERYFORD has left Ft. McPherson for Kansas State University, Capt. JOHN ARNOTT has left San Antonio for Framingham, Mass., Capt. JOE SAVAGE has gone to San Antonio and we welcome LCDR. ROGER GROTHAUS, whom we've been bugging for years to join and now he HAS! (Hi, Rodge!)

FRANK BATTLE has moved to Elkins, W. Virginia, but doesn't say if he's through with VPI, and Dr. TRUMAN CLARK has left USDA at Lake Charles for Fresno (California) State College,

now a mighty institution where once nothing bloomed but raisins and figs, Dr. RICHARD HAYES has also gone to California, to Albany, from the Ft. Collins USPHS lab, and Dr. PHIL KASHIN shook the insidious hold of Chicago and went to the University of Oregon at Eugene. BOB DEWEY is now at the Arbovirus Research Lab. at the University of Malaya, Kuala Lumpur (and how we wish we could get *there!* Fascinating place.) GEORGE ELDER is living in Rolling Meadows, Illinois (*that* can't be near Chicago), MARGARET FURMAN has changed to Mrs. MAC TIDWELL of N.C. State at Raleigh, and BRUCE KNUDSEN has changed Yellowstone into Los Angeles, warmer in winter, of course, but . . . gosh!

Dr. C. D. MORRIS is now at the N.Y. State Dept. of Health in Syracuse, Dr. TJEERD DE REUS has returned to the Netherlands from Curacao, JOHN SHIPP is now in Shiloh, Georgia, of Civil War fame. (We wish someone would move to Antietam, so we could ask them how to pronounce THAT. We were brought up on Shy-low, but Auntie Eatem? We've heard Ann Titum. Well, back to work . . .) KEITH STEWART is now living at our old address in Fresno . . . gosh . . . BILL RUSH has gone from Bakersfield to Ft. Collins (Colorado), and JOHN DOLL has gone to Rocky Ford in the same state. IVAN RICCIARDI has moved from Bogota, Colombia, said to be the most civilized city in the Americas, to RIO, certainly reputed to be the wildest. He'll have to switch from Español to Portugués before Mardi Gras, verdad? wow. We'd like to try that, too. ALOHA

HONORS FOR AUSTIN. We just think you ought to know that our News and Notes Editor, Austin W. Morrill, Jr. is the President of the Hawaiian Entomological Society. He is too modest to mention himself. Congratulations, Austin! (Ed. Note.)

## FUTURE MEETINGS OF INTEREST TO AMCA MEMBERS

California Mosquito Control Assn. W. Donald Murray, Sec'y-Treas. 1737 W. Houston, Visalia, Ca 93277	1971 January 24-27 1972 1973 1974	Oakland Stockton Santa Barbara Disneyland (AMCA)
Florida Anti-Mosquito Assn. J. A. Mulrennan, Sec'y-Treas. P.O. Box 210, Jacksonville, Fla. 32201	1971 See next issue 1972 April 23-26	Miami Beach (AMCA)
Illinois Mosquito Control Assn. Rosemarie Climpson, Sec'y P.O. Box 30, Harvey, Ill. 60427	1971 March 1-2	Joliet
Louisiana Mosquito Control Assn. George Carmichael, Sec'y-Treas. 6601 Lakeshore Dr., New Orleans, La. 70126	1971 See next issue	
New Jersey Mosquito Exterm. Assn. Dr. B. E. Pepper, Sec'y New Jersey Agric. Expt. Station New Brunswick, N.J. 08903	1971 March 17-19 1972 March 15-17 1973 March 14-16 1974 March 13-15	Atlantic City Atlantic City Atlantic City Atlantic City
North Carolina Mosq. Cont. Assn. J. N. Fulp, Sr., Sec'y-Treas. P.O. Box 2091 Raleigh, N.C.	1971 April 7-9	Atlantic Beach, N.C.
Northeastern Mosq. Cont. Assn. Robert W. Spencer, Sec'y 48 Bass Ave., Gloucester, Mass. 01930	1971 See next issue	
Northwest Mosq. & Vector Cont. Assn. Jack B. Holland, Sec'y-Treas. 1414 SW Stephenson St., Portland, Ore. 97219	1971 See next issue	
Ohio Mosquito Control Assn. David Martine, Sec'y-Treas. Akron Health Dept., 166 High St. Akron, Ohio 44308	1971 See next issue	
Mosquito & Vector Cont. Assn. of Pa. Dorothy Rickard, Sec'y Moshannon Valley Area Mosq. Cont. Proj.	1971 See next issue	
Texas Mosquito Control Assn. J. C. McNeill IV, Sec'y-Treas. P.O. Box 672, Angleton, Tex. 77515	1971 See next issue	
Utah Mosquito Abatement Assn. Jay Graham, Sec'y-Treas. P.O. Box 367, Midvale, Utah 84047	1971 See next issue	
Virginia Mosquito Control Assn. R. E. Dorer, Sec'y P.O. Box 12418, Norfolk, Va. 23502	1971 February 23	Yorktown Area

PLEASE NOTE THE CHANGE IN MEETING SITES FOR CALIFORNIA. THE SWITCH FOR 1972 AND 1973 IS OFFICIAL