

NEWS AND NOTES

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LIKE THE COWBOYS AND THE FARMERS IN "OKLAHOMA!" THE ARMY AND THE NAVY ARE FRIENDS IN MOSQUITO CONTROL, AS EXEMPLIFIED BY A NEW BOOK FROM THE PENS OF RALPH HARBACH AND KEN KNIGHT. Entitled, "Taxonomists' Glossary of Mosquito Anatomy," the advance book announcement *should* be headed, like the self-improvement course ads, "Confused. . . ? Finding it harder and harder to read those scientific papers. . . ? Feel left out of the polysyllabic conversations. . . ? You needn't be!" Ralph's and Ken's book not only defines all those odd names but gives synonymous terms, standard abbreviations, relationships to similar structures and nomenclature in other taxa and has a set of diagrams illustrating what it is that's being talked about. Ralph recently left Ken's laboratory to enter the Army MSC, and as a long-time underground Army type we're secretly sort of pleased Ken didn't persuade him into the Navy. Pace, Navy friends!!

DR. HAROLD NEWSON IS PART OF A TEAM FROM MICHIGAN STATE U. that received an NIH grant for a tropical disease and medicine study in the Sudan recently. Don will be gone for 2 to 3 months (?) (the American Registry of Professional Entomologists' *News* has a typo "2fi3" at that point) at a time, when the study gets under way. (To bring in the Navy on this item, one might note that this is properly spelled "under weigh"!). We trust you'll fill us in on this, Don!

DON JOHNSON WROTE BACK IN APRIL, BUT ALAS JUST TOO LATE FOR THE JUNE ISSUE, REMINDING US OF A CONVERSATION IN SALT LAKE CITY about the 75th anniversary of the Hudson Company this September, RAY TREICHLER, once Our Man in the Army QMC, and Don had been talking over old times and hoped folks would send mementos of photos or reminiscences to R. C. Hudson, Jr., at the Company's Chicago offices. It's late for that now, we fear, but still we know there are a lot of old hands out there who've trudged many a mile with them. The Company's willingness to change their cherished models at the military and PHS behest was a bright spot in a harried era of change. (Of course, not ALL memories of overseas sprayers were the sort to send with anniversary greetings. We suggest you sort of

send the GOOD ones!) The address is in their ad in every issue of MN. Thanks and best wishes, H.D.H.!!

HARRY PRATT AND HIS GOOD WIFE FLEW TO HILO HAWAII RECENTLY, TO LOL IN ORCHIDS AND LOOK AT A NON-EXPLOSIVE VOLCANO (Pele just sort of lets Kilauea boil over; it doesn't get you all over ashes.) Alas, we missed seeing him; he was anticipating visits with PAT NAKAGAWA and RAY JOYCE among others. Harry is to serve as Moderator at the Dipterists' conference during the ESA meetings in Atlanta in December, and is still part-time teaching at Emory Med School, Morehouse Med School, CDC and the Stephenson Chemical Co's PCO school. (*Part time??*)

DR. JOYCE HAS TAKEN OVER THE EDITORSHIP OF THE PRESTIGIOUS PROCEEDINGS OF THE HAWAIIAN ENTOMOLOGICAL SOCIETY which he modestly says is merely because he's sticking around after having retired from the Bishop Museum. He still keeps a desk there, of course, (and one in New Guinea, as well?) and is planning to attend the Entomological Congress in Kyoto in August. This last will be Strenuous Fun. . . . and we envy him. Go-kigenyo Ray and Aloha!

WE WERE SADDENED BY THE DEATH IN APRIL OF ART KIDWELL. His son wrote to Harry Pratt, "He passed away on Easter morning in a Missoula hospital. My stepmother, Maxine, is still at their home address 182 Pine Needle Lane, Big Fork, Montana 59911. His death was quite sudden and unexpected." Our paths haven't crossed of late but the sheer force of Art's enthusiasm makes it seem like yesterday. . . . Korea, Maryland, Atlanta, Washington D.C. We hope there're some good projects ready in Heaven, waiting.

STANLEY GREEN, IN ANNOUNCING HIS SERIES OF MOSQUITO CONTROL COURSES, held in July and early August at Pennsylvania State University in Philadelphia, pointed out that the names of cars once reflected animals symbolic of power and energy and violent action but now seemed to go more for animals of tamer dispositions which might be thought to be more energy efficient. Dr. Green pointed out that it is

only now, post 1973, that one can conceive of an automobile named the *Rabbit* and wonders if we may one day have a Cockroach. Small, maneuverable, quick, energy efficient! Mosquitoes are, too.

AMERICAN CITY AND COUNTY, published by the Municipal Index in Pittsfield, Mass., had an article in their June issue, entitled, "Mosquito Control; the battle never ends." Based largely on the work of ex-Prexy GLENN STOKES and quoting from ex-Prexy LEW NIELSEN, the article shows that someone did his homework, and that's sort of rare in media reporting these days. The article starts out by asking, "Which is worse: lying awake in the night, listening to the whine of a circling mosquito; or hearing the noise stop, and wondering where she's landed?" (Note the personal pronoun!) Copies apparently available by writing to the magazine, Massachusetts 01201.

ANOTHER GOOD BIT OF REPORTAGE IS THE SUMMARY OF BIOLOGICAL CONTROL BY PROTOZOA and of control by mosquito fish, issued by the California Mosquito and Vector Control Association's Biological Control Committee. The part on Microsporidia stems from a roundtable discussion chaired by MARSHALL LAIRD at the Fifth International Congress of Protozoology and the part on mosquito fish is from JAY HUNER's article in *Farm Pond*.

NORTHWEST MOSQUITO AND VECTOR CONTROL ASSOCIATION'S Annual Conference is scheduled for 7, 8 & 9 October at the Holiday Inn in Richland, Washington. It's too late to submit papers, we're sorry, but NEXT year's is to be on nearly the same dates in Medford, Oregon, and you might think about submitting titles by 1 August 1981 to Eric Hamrin of Jackson County. It's not too late to GO this year, we hope.

THE TENTH INTERNATIONAL CONGRESS ON TROPICAL MEDICINE AND MALARIA will be held for the first time in Asia, in Manila, on 9-15 November, with the ambitious but laudable theme of "Health of all in the tropics by the year 2000." Registration is \$125 and \$40 for wives (or husbands, we suppose, if accompanying; we note that LOURDES GUTIERREZ is on the letterhead as Ms. so Women's Lib HAS reached there.) Air conditioned rooms are said to be from \$20 to \$40, an unheard-of bargain, and good meals as low as \$4.00. (We can vouch for that.) You don't really need airconditioning

in November and a rain-coat's no use. Neither is an umbrella in November; if it rains THAT hard, it's a typhoon and you'd best stay in the bar and drink daiquiris. Otherwise, it's a beautiful city and if you haven't seen it, you should.

ONE CONFERENCE THAT CONTINUES TO BE A SUCCESS WAS *OURS* AT SALT LAKE CITY. TOMMY MULHERN reports that he has just received a check from UMAA for \$9000.00! This, added to the prior check from Utah, gives us a total of \$13,000!!! "I tell you, those folks in Utah really know how to MANAGE!" How often you hear that. Now we know.

TOMMY ALSO HELPED ALONG THE CAUSE BY SUPPLYING INFO TO THE GENT WHO WROTE THE REPORT, "Integrated Pest Management" sent out last year by the Council on Environmental Quality. We hope EPA AND THE CONGRESS read it. Too much to hope that FOE did.

LUCAS TERRACINA WRITES THAT HE HAS TAKEN OVER AS DIRECTOR OF the Calcasieu Parish Mosquito Control, vice BRUCE CRAVEN. We wish him well and hey. ! Shoot, Luke, give us the scoop. About your summer's activities and all? OK?

HELEN SOLLERS-RIEDEL'S 1977 ANNUAL REVIEW IS OFF THE PRESS AND AVAILABLE under the cover of the New Jersey MCA Annual Proceedings, Supplement 1978. Her Review for 1978 will be out in January, expectedly, as Supplement 1979.

THE PUBLIC HEALTH SERVICE'S CDC IN ATLANTA, WHOSE WHOLE TITLE HAS NOW GROWN TOO LONG TO FIT ON ONE PAGE, has announced several courses for which you may want to send for the prospectuses. The proximal one is "Epidemiology and Control of Vector-borne Diseases," No. 2011-L, for which registration closes 21 November. The following ones close registrations in January and March, the first days of each month. These courses are widely known for their thoroughness and intensity, so if you want erudition quick and ain't ever had it, give some thought to attending.

THE RAPPORT ANNUEL D'ACTIVITE for 1979 of the Entente Interdepartementale pour la demoustication du littoral mediterraneen, contains a great amount of good information on *Bacillus thuringiensis vis à vis Culex pipiens* and on *B. sphaericus* against four species. (Aw, cum-

mon! You can read it! Your French can't be as weak as ours is.) A friend reports that while we were having gul-lorious weather in England and Scotland, he was sitting in the rain in southern France, so they've probably got their hands full but they'd probably send you a copy, anyway.

WE FORGOT TO THANK JOYCE CHESTER AND GLENN STOKES FOR THE LOVERLY FULL COLOR REPORT FOR 1979 they sent us, so we'd like to do it now. What we want to know, and forgot to ask, is, how do you get FULL COLOR from what looks like photo offset (or even Xerox). We blush. Well, even without the color it's mighty impressive. Frinstance, in block surveys, they covered 4½ thousand miles in 1½ thousand manhours . . . about as fast as a man can saunter, so they RAN between houses, but they visited 18½ thousand houses and got only 102 refusals. Sweet talkin'. But the best sweet talkin' was in the outreach programs which were hindered by a teachers' strike but still impressive.

THE BULLETIN OF THE SOCIETY OF VECTOR ECOLOGISTS has joined MN in the ranks of major scientific publications . . . Welcome! If you haven't seen Volume 4 for 1979, beautifully printed, with GOOD illustrations, by JOHN SHANAFELT, you should get one now. Articles by RUSS FONTAINE (Malaria control and research in Africa), DON MURRAY, CHARLES BEASLEY and the late BOB SOROKER and HARVEY MAGY (Fly Control), DON ROHE and DICK FALL (CO₂ baited miniature battery light trap), MIR MULLA (midges), make part of the bill-of-fare. Not heavy, but MEATY.

GIL CHALLET'S ORANGE COUNTY (CALIF.) TERRAIN IS THAT DIFFICULT MIX OF URBAN-RURAL-DRY LAND- SALT MARSH that visitors to Disneyland never suspect what lies around them. Mosquito fish are a big part of Gil's program and he's been lading them out by the thousands. Just in time for all those phenomenal tropical storms which blew normal California weather patterns to shreds.

MOSQUITO FISH WERE BIG ELSEWHERE IN CALIFORNIA, TOO, OF COURSE. DAVE REED of Fresno-Westside and FRED ROBERTS of Alameda, were busily scattering them, Dave in irrigated areas (he has lots of rice fields, fr instance) and Fred in ornamental ponds. It's too bad a cultural exchange can't get the rice farmers to eating *Tilapia* from their rice pad-

dies so they'd help stock the fields, the way Japanese farmers do.

GETTING BACK TO ANNUAL REPORTS AND SUCH, we should mention the interesting studies being done by GEORGE CARMICHAEL in his New Orleans district on the use of *Toxorhynchites rutilis rutilis* to control container breeders. With DON WEIDHAAS, DR. DANA FOCKS, and DR. MICHAEL CARROLL really mass liberations were studied and the results were HOPEFUL. (No, THEY are hopeful about the results in 1980!)

HOW WERE THINGS IN 1980, y'all? Could we have some PREliminary results from all these many places trying all these many biological agents? Seems as if 1980 ought to have been a pretty good bio-control year! (December deadline is OCTOBER, though, so hurru!)

STOP-THE-PRESS-FLASH FROM DR. CLAUDE SCHMIDT OUR PREXY-ELECT ABOUT THE WATER MANAGEMENT WORKSHOP FOR MOSQUITO CONTROL: The workshop was held 10- 12 June at Seaside Park, N.J. ably organized and coordinated by JOE SHISLER. "Because over 80 participants turned out, a much larger number than anticipated, the meeting place had to be changed from the Island Beach State Park to the Bayview Restaurant overlooking Barnegat Bay.

"The Tuesday morning session on impoundments got off to a rousing start," wrote Claude, "and was moderated by JAMES AKERMAN, Executive Secretary of the National Mosquito Control—Fish & Wildlife Management Committee. Eight topics were discussed, including mosquito control, mosquito production, effects on fish and bird species. MARC SLAFF of Rutgers University pointed out that impoundments are great to control *A. sollicitans* but can produce huge amounts of *Culex salinarius*. Thunderstorms decrease the salinity of the impoundments and raise the pH and thus change the speciation of fish populations. The morning discussion was well summarized by Ralph Andrews, Fish and Wildlife Service, who pointed out that we need to look at the trade-offs, and the managers have to decide what they want to do. Especially when multipurpose needs are evident, there is a need to tailor-make the recommendation for each local situation.

"The afternoon session on Open Marsh Water Management was moderated by FRED LESSER who was pinch-hitting for LAURENCE

JAHN who caught the flu the week before in Canada and had to cancel. FRED FERRIGNO distributed and discussed a most interesting and useful document, 'Standards for Open Marsh Water Management' (OMWM), which has been worked on for over 20 years in New Jersey. He stressed that if a marsh is inundated twice a day by tidal action, no mosquitoes will be produced to annoy surrounding communities. Wagner Crans pointed out that an added benefit of OMWM is the reduction of disease potential in mosquito populations, both EE transmitted by *A. sollicitans* and dog heartworm by *Culiseta melanura*. Cyrus Lesser informed us that what works well in New Jersey may not necessarily do the job in the Chesapeake Bay area, such as the high marsh communities of Maryland. He said closed systems with gates work better and that OMWM has to be fine-tuned to the local situation.

"Wednesday, June 11, was a fun field day and a most informative one. Two tour buses took us on the long-awaited field trip where we could all see things firsthand.

"At Manahawkin we saw some low-level impoundments built in the 1960's. We then drove to Beach House West where a lagoon community is right next to a wildlife refuge and where the personnel of the Ocean County Mosquito Commission were ditching. The aficionados put on their rubber boots and tramped through

the marsh while the rest of us watched from the developer's road. (This was where one of the buses got stuck in the soft material, and a bunch of stalwarts from the tour had to push to get the bus back on terra firma.)

"The third stop at Moore's Beach area on the north side of Delaware Bay was to look at salt hay farms.

"After a nice lunch at the Marine Science Consortium at Seaville, we went to Tuckahoe to look at some of the OMWM work done by Fred Ferrigan. We rode on the rotary ditcher and saw it in operation. Very impressive.

"It was a most worthwhile tour.

"(How nice it was to sit in the evening on the motel patio overlooking the beach and the surf eating crab and washing it down with draughts of cold beer.)

"The scientific session on Thursday went off quite well. We missed having with us DICK AXTELL, who could not make it because of illness in the family. MARCO GIGLIOLI gave a rousing presentation on the problems in the Cayman Islands. Once again the situation there is entirely different from the eastern shore or Florida.

"All in all, a most successful affair.

"By the way, JOE SHISLER informed me that he plans to have the proceedings of this workshop published. It will be nice to have this compendium for those who were not able to attend."