

NEWS AND NOTES

AUSTIN W. MORRILL, Jr.

EVERYONE AT THE TAMPA MEETINGS WAS SO BUSY LISTENING TO THE DISCUSSIONS AND GENERALLY HAVING A GOOD TIME THAT NOBODY TOOK ANY NOTES, seems as if. TOMMY MULHERN did give us a sort of brief brief to the effect that there were over 600 registrants . . . more than ever before . . . and the Board meeting was, for the first time, graced by EVERY member. A highlight of the meetings was the stimulating discussions of the new high-concentrate, micro-dosage techniques, so long talked about and only now at last becoming feasible. As well as (apparently) effective.

Tommy also enlightened us on the New Jersey meetings, which followed hard on the heels of the Tampa ones. Here the main topic was encephalitis. Their virus studies have shown transmission by *C. pipiens* (who said pips were "only" a pest mosquito?) and led to identification of rats, rabbits and birds as principal reservoirs.

BACK IN FRESNO (CALIF.) TO SEE LT. COL. AL THERRIEN'S SHOW OF HELICOPTER DISPERSAL UNITS, spray and dust and known familiarly as HIDAL (Hi, Doll) and HIDAD. Pretty hip, cats. The show was attended not only by the Army, Navy and Air Force research brass but also by AMCA'ers TOMMY MULHERN, GEO. STAINS, HARRY FALLERS, LES TELLER, DICK PETERS, OSCAR LOPP, DICK FROLLI, PAT GILLIES, DON MENGLE, MIKE GLANCEY (who like Les had come all the way from Florida) and JACK ROSEBUSH (who is now with us in the Western Division of the Navy Bureau of Yards and Docks). Al had been putting the helicopters through their paces for a week and they really looked good, especially in view of the aforementioned high concentration, low volume uses.

OF COURSE, THERE HAVE BEEN LOTS OF OTHER MEETINGS. For instance, back in January (but too late to get into the March issue) BRUCE BROCKWAY and BOB HEDEEN held a training conference at Bob's place in Harvey (Illinois). Bob sent a picture of the group standing in the SNOW outside of his office, and in front of an advertising sign which says, appropriately, "Who cares? WE do!" There were 75 in attendance at the meeting, which was sponsored by the USPHS, the IMCA, the Illinois State Department of Health and the Illinois Natural History Survey, and addressed by such good AMCA'ers as FRANKLIN WRAY, JOHN CLARKE, JOHN KORNAFEL, TATE MARTIN, H. J. DOMINICK and others, in addition, of course, to Bruce and Bob themselves. (Other comments elsewhere by Brockway).

AND THEN THE IMCA ALSO HAD ITS ANNUAL MEETING ON 1 and 2 March, in Springfield (Ill.)

at which there were 54 in attendance. WILLIAM LASCHINSKI was elected President and one of the highlights was a magic lantern show by ARCHIE HESS on "A Tour of India" and, having seen Archie's slides before, we know that was mighty good. The theme of the meeting was encephalitis and many excellent papers were presented.

VMCA ALWAYS HAS THEIR ANNUAL MEETINGS AT THE MOST WONDERFUL PLACES! This year, on 24 February, it was at the Bennet's Creek Farm Restaurant in Nansemond, just west of Portsmouth and Norfolk (Virginia, of course). The morning session covered encephalitis, with reports by LES BEADLE (of Atlanta, but speaking on Houston, Texas) and DAN JOBBINS; mosquito behavior in a paper by BILL BICKLEY, and the *Aedes aegypti* Eradication Program, in a paper by DON JOHNSON. The afternoon session was composed of papers by JOHN FLUNO, CHARLIE WHITE, ROLLIE DORER, BUDDY SIMS and a skit on Dibrom fogging by Carl Klopfer. A good day's work. Read SKEETER for the full report (Adv.)

MEANWHILE, IN CALIFORNIA, WE WOULDN'T WANT YOU TO GET THE IDEA that the meeting in Fresno was *all*, far from it. CMCA had, first of all, its annual meetings in Riverside at the famous Mission Inn, with side trips for the ladies (and some of the laddies) to also-famous Palm Springs, nearby, with its breathtaking SkyRide cable ride to the top of the eastern sierra. (For good pictures of President BILL RUSCONI and Vice-Presy OSCAR LOPP, see *Pest Control* for March and April.—Adv.) In April, the annual equipment show was held in a pouring drizzle (how about that . . . in April!) by GORDON SMITH and later in the month the entomology seminar, chaired by JACK WALKER and guided by JIM MALLARS with assists from HARRY MATHIS, EMBREE MEZGER, TOM LAURET, JOHN SHANAFELT, CAL ROGERS, BRYAN WHITWORTH and many others, had a stimulating and informative two days, (*beautiful, sunny days*) in Berkeley. They talked a lot about biting gnats.

INCIDENTALLY, THOSE OF YOU WHO SOMETIMES FEEL RESTLESSLY THAT AMCA HAS TOO MANY entomologists in it in proportion to "practical" men may be cheered to realize that, actually, there isn't any such things as "an" entomologist. At least, as determined by the august Entomological Society of America, who should know, an entomologist is anyone interested in entomology . . . like mosquito control. So if you can't fight us, jine us. These ent seminars in California are a case in point. They started as "professional" hoe-downs but soon found the informal round-the-room discussions had as some of their most valu-

able "discussants" the *operational* men, who are far from unknowledgeable about the technical aspects of the critters. Now we're one big happy family. (End of Editorial.)

NAVAL, ARMY AND AIR FORCE RESERVISTS WHO ATTENDED THE TAMPA MEETINGS were authorized to receive one retirement point a day, if they signed the roster each day, and this worked well, we hear, for the dry-shoe types, who were shepherded by Major GARDNER MCFARLAND. Unfortunately, the Navy roster didn't make it and the boys in blue (or was it whites?) had no place to hang their John Hancock's. IF they will send in a certificate of attendance form, showing the full dates attended, to CDR BILL HULL in BuMed (that's CDR Wm. B. Hull, Bureau of Medicine and Surgery, Washington DC 20390) or to CAPT. GEORGE S. STAINS (OIC DVCC, Alameda, California 94501), they'll validate them.

WE HAVEN'T MENTIONED BILL BICKLEY'S UNIVERSITY FOR A LONG TIME (three months, anyway) so maybe you'd like to know, if you're not on Shell's *Scan* mailing list, that the U. of Maryland was the subject of a right nice write-up in the January issue. Headlined, "Increasing Role Seen For University of Maryland's Entomology Department," it gave text and pictures to support the point, and mentioned prominently Bill's and GEORGE LANGFORD'S interest in mosquito control.

Bill also has sent us two interesting bits of journalism, the first his own spritely paper entitled, "Entomological Axiomatization," which he presented as his address as retiring President of the Entomological Society of Washington last year. In it he quotes a number of well-known axioms, some of the Parkinson's Law sort and some less flippant but equally germane to mosquito control operations. For instance, Bill's axiom on education, as "training the mind and the body to do the thing that has to be done, whether you want to do it or not."

A. E. Gahan's Law, a comfort to taxonomists, is that "Objects without names cannot well be talked about . . ." while Gause's Principle, that "Two species with similar ecology cannot live together in the same place" is getting increasing attention from biological control investigators. An epigram from Nuttall and Shipley also enlivens Bill's text and provides a quotation for our Trustees' Meetings, "The salivary duct of *Anopheles* has played a large part in human history, for along it has passed the cause of disease and death that has ruined cities, devastated countries, . . . conquered armies and brought about the downfall of nations."

THE WALL STREET JOURNAL provided the second of Bill's journalistic contributions and we found it most interesting indeed. Those of you who are also financiers may look through your back issues to Monday, 29 March, and find the headline, "Malaria's Menace" in prime page 1

column 1 position. It is an able summary of the situation vis-a-vis malaria, the magnitude of the eradication programs, their likelihood of success, the status of insecticides and resistance and the new spectres of plasmodial resistance to the drugs. Malaria still kills 1.5 million people in the world each year and in Africa alone, between 200,000 and 500,000 children under 3 years of age are expected to die of malaria *this year*; the number of deaths to be caused indirectly among malaria-weakened people is incalculable. We ain't really got 'em licked yet.

MILT FLEMINGS, about whose retirement from being a Colonel into being a Doctor of Philosophy we wrote recently, says, yes, indeed, his scholastic gymnastics *did* sort of make life exciting, what with his oldest daughter's graduation from Cornell and his twins' graduations from high school coming along too. Milt is teaching parasitology, invertebrate Zoo, and general, and expects to start medical entomology in the fall . . . and he loves it. Best wishes!

SPEAKING OF THINGS SCHOLASTIC, the Society of Sigma Xi recently made an award which should be a matter of pride to all AMCA'ers and particularly, of course, to DR. RUSSELL E. SIVERLY, to whom it was made! (The rest of us get in on the pride just because we KNOW him.) The award was in the form of a grant-in-aid to Russ to help out in his study of the biology and systematics of the mosquitoes of Indiana. Dr. Shapley, Chairman of the Society's Committee on these grants, stated, "Sigma Xi each year makes a number of grants to the most promising scientists at critical points in their research careers." *Buena-ventura*, Russ!

DR. MANABU SASA, FOLLOWING UP HIS EARLIER LETTER ABOUT GUPPIES IN SIAM, of which he wrote, has sent a reprint of his rather thoroughgoing "Studies on Mosquitoes and their Natural Enemies in Bangkok," which includes studies on bionomics and insecticide resistance as well. We were astonished to read of the voracity with which the guppies eat larvae and also interested to learn that guppies have been found wild in streams in Japan, a far from tropical country in winter . . . breeding in run-off water from *hot springs*. (Clever, eh?) The paper includes some excellent pictures on a simple and ingenious adult trap as well as of the polluted pools in which the fish were found. Among the insecticides tested, Dr. Sasa found sumithion and fenthion relatively suitable in terms of safety to the fish and toxicity to the larvae and concluded that care should be taken to include environmental, chemical and biological control measures in any control program.

DOYLE REED PROVED ONCE AGAIN HIS INFINITE CAPACITY FOR ASTONISHING HIS COLLEAGUES by up and retiring on 16 April with practically no advance fanfare. This was a great shock to many

who had kind of come to think of Doyle as one of those things like the North Star which are just always *there*. In a career that was both unique and uniquely useful, Doyle did a job in establishing military entomology that most of us agree could have been done by no one else. We expect to see Doyle take off now, in the mode of UNCLE HARRY STAGE, ART LINDQUIST and DR. FRED BISHOPP and to have notes from him popping up all over.

WHILE WE'RE TALKING ABOUT THE MILITARY, those of you in the Southeastern States may be interested in HAN SCHENKER's annual compilation of mosquito incidence in his Third Army Area. Colonel Schenker and his cohort, C. W. BARTHOLOMAI must have kept their teams in high gear because we note that NONE of the implicated disease bearers except *C. quinq* showed up in their control areas and very few of the species that could even remotely be called anything but a mere nuisance. Such heroism.

ROY FRITZ ISSUES A CALL FROM THE MARBLE HALLS OF THE ORGANISATION MONDALE DE LA SANTE (WHO to you), for applications from keen, well-trained entomologists, preferably with MSc or PhD degrees, who are willing to begin at the P3 level. "Although the basic P3 salary is not especially attractive," Roy goes on, "..... the opportunity to gain invaluable experience in medical entomology makes these jobs much more interesting." He then goes on to elucidate some of the side benefits and allowances, some of which are rather complicated but we have them on file and you can get further info from Roy, as well. Salaries begin at \$7,460.00 (net), for instance, and can progress through annual steps to \$9,870.00. Additional allowances of \$400 for a spouse and \$300 for each child, plus post "adjustments" for posts where living costs are high, assignment allowances, repatriation grants and installation grants, passage-paid home-leave each two years, pension plans for those who extend and education allowances of up to a maximum of \$600 a year for each child under 21 (college, we assume), make it all much more ample financially. And it's all *income tax free!* That's a 21% increase right there; more in some lucky states like California, Virginia and Maryland, to name a few. Entomologists selected are generally sent to one of the malaria eradication training centers for an intensive course before being assigned. Here's your chance, eager, hot-blooded youth you lucky guys!

CHET ROBINSON, plagued, like most northern Californians with an unseasonable and heavy rain which, however welcome as water supply, played hell with the pest mosquito situation, issued what must be the world's record of boasting by indirection. He complained that the heavy rains and the resulting *Culiseta incidens*, midges and tree hole breeders had raised his

monthly trouble calls from a norm of 4 clear up to SEVEN! Pore Chet!

AS A POSTSCRIPT TO THE ANNUAL MEETING AT TAMPA, TED RALEY sent us a run-down on business matters which you might have overlooked in the minutes. Item: FRANK CREADON reported that all payments for 1964 advertising in Our Journal HAVE BEEN COLLECTED. Item: HARRY PRATT started the ball rolling on committee assignments before he left Florida and practically had next year's program ready to go by the time he reached Atlanta. (Send in your titles early!) Item: JACK ROGERS, BOB HEDEEN and GENE GERBERG are racing neck to neck on revisions of the Bulletins and ART GEIB is already figuring the profits if we can package the four bulletins into one deal and . . . well, everybody *needs* these so it would be about ten bucks times 1763 rolling into the kitty and everyone the winner. As Ted says, it's a nice figure to think about. Item: DON MICKS, DON MURRAY and JIM NELSON are steaming down the runway on takeoff with new ideas on public education and public relations. And Item: WAYNE MILLER polished off the minutes and didn't pause for breath before pitching in to the 1966 Membership campaign. And INCIDENTALLY, we might add, remember that paying up your dues, you tardy ones, is the same as getting a NEW member; really better, because though we love you, you *are* a bit of a drag! (This includes, I'm sorry to say, some of our Big Names. C'mon you guys!)

WELL, LET'S SEE NOW NEW MEMBERS. We'd like to welcome MAJOR H. W. FOWLER JR., for instance, who replaces Capt. Fowler, of the same name and address. And welcome back to Dr. M. S. QURAIHI, of the University of Manitoba, Winnipeg 19. Also, Drs. R. A. BRUST and A. J. THORSTEINSON, of the same. And Dr. WOLFGANG WULKER of the University of Freiburg, Breisgau, Germany, and Dr. ABDEL SALAM SHALABY of the University of Alexandria, Egypt.

NOT TO FORGET DR. DANIELA TOVORNIK, of the NIH in Bohoriceva, Ljubljana, Yugoslavia, who rates a line to herself, especially if she'll send us some notes on Dalmatian mosquitoes, if any occur along that heavenly coast. Also tell us if Ljubljana is pronounced *Lyublyana*.

WE WELCOME ALSO Capt. ROBERT BROWNING of the 4th U. S. Army Med Lab at Ft. Sam Houston, Texas, WERNER JAKOB of Savannah, Georgia, ROBERT MARRESE and WILLIAM SUNDIN of Ft. Lauderdale, WILLIAM SPEAR of Ft. Myers, and C. A. POWELL and THEODORE A. ZEIGLER, of Tampa, all in Florida, and THEODORE RONDTHALER, Manager of the Ocracoke Mosquito Control District, in N. Carolina.

PEOPLE HAVEN'T SAT STILL EITHER. YOU CAN BET YOUR LIFE ON THAT. Not in the AMCA,

Nossir. Like, Col. FRED WHITTEMORE has gone to FAO on the Via delle Terme di Caracalla (don't it sound lovely?) in Rome, and LOUIS OGDEN has gone from Savannah to Austin, Texas. To ease the strain on Savannah, Dr. PATRICK LUM has moved over there from Vero Beach and JAMES SMITH has gone from Huntsville, Alabama, to CDC in Atlanta. CDR JOE McWILLIAMS, wiping the academic sweat from his brow, has dived happily into research at the USDA lab in Gainesville, Florida, and GEORGE T. CARMICHAEL has left Savannah for New Orleans and, we guess, the new lab there. E. L. PEYTON has left the Medical Field Service School for SEATO Med Research Lab, APO San Francisco 96346, where we know they were mighty glad to see him. THEODORE STUBSTAD has gone from Salt Lake to Boise, Idaho; SAM BREELAND, from Wilson Dam to the Department of Biology, Hardin-Simmons University, Abilene, Texas; Capt. EDWARD C. TRIVETTE, from Tuslog to Baldwin, Maryland 21013.

GLADWIN UNRAU has moved from the CDC in Huntsville, to Room 4200, III W. 50th St., New York City 10020, which sounds in the heart of things entertaining. Mosquitoes in Rockefeller Center? Mosquitoes in St. Patrick's? We used to call the statue flying out of the ring in the R.C. Plaza the Spirit of Divorce. Is that a mosquito net he has in his hand, after all?

Well . . .

J. M. DOLL is now at 994 Calle Katarina, Santa Fe, New Mexico 87502, and W. A. McDONALD is back from the USAID wars and at Goleta, California, at the University of California? MARSHALL RAINEY left USPHS in Phoenix for the same in Denver, Colorado, CARLISLE RATHBURN has gone from Vero Beach to Panama City, still in Florida, and Major WARREN PIPPIN is back from APO 74 to San Antonio, Texas, 78227 and Lackland AFB. CAPT. JIM GENTRY is now at the Department of Entomology at Walter Reed, the Washington DC branch of the Medical Research Institute at Kuala Lumpur, and Dr. AUSTIN KERR has left for USOM/Philippines, APO 928, San Francisco,

where we envy him for going. And CALVIN SPENCER has gone from Palm Shadows, Houston, to the shadow of palms on 19420 Franjo Rd., Miami (33157), while DAVID SCHRIVER moved to Beltsville, Maryland, and WILLIAM SIMPSON traded Lansing, Michigan, for San Antonio, Texas.

AND IF ANY OF YOU GOOD GUYS AND DOLLS HAVE MOVED and we didn't notice it . . . WRITE US. And if any of your names are *misspelled* . . . WRITE US. And if we got any of your new addresses wrong, or said you were going to the wrong place in the right city . . . or *anything else* we might have said about you and didn't . . . WRITE US.

MOST OF YOU HAVE PROBABLY ALREADY READ THE FULL REPORT IN THE ESA BULLETIN, and a thorough and scholarly report it is, naturally, since it was written by BOB ALTMAN, RALPH BARR, TONY BROWN, GEORGE CRAIG, ED FEICHTMEIR, GENE GERBERG, DON MICKS (Chairman), HARVEY MORLAN, MAURICE PROVOST, LLOYD ROZEBOOM, HERB SCHOOF, and DON WEIDHAAS . . . AMCA'ers all, and we're proud to know 'em. The Report we mean is the one of the "Committee on Experimental Use of *Aedes aegypti*," a subject fraught with perils, no matter how you view it. The Committee recommendations were that a) the indiscriminate shipping of eggs should be stopped, b) laboratories which *can* substitute other species in their studies should be urged to do so, c) laboratories which *must* use them should review their procedures to make sure they're really as safe as they can be, d) a system of licensing should be established to make sure only those *needing aegypti* engage in its maintenance or shipment, e) research on protective measures be encouraged to the utmost, and f) the Committee should continue its studies for at least another year. (This report was accepted and the Committee was continued.) As can be seen even from the summary, the report was the result of intensive and extensive study, entailing comment from a great many scientists and the findings were moderate, equitable and forward-looking. Doubly proud to know you, gentlemen!