

LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1978—Part I

Helen Sollers-Riedel¹

P. O. Box 19009, Washington, D. C. 20036, USA

ADULTICIDES, LARVICIDES AND OVICIDES

- Bakri, G. and Noguier, A. 1977. Impact of a single DDT spraying application on malaria vector densities and entomological inoculation rates in Togo. WHO/MAL/77.891, WHO/VBC/77.676. 10 pp.
- Cawley, B. M., Retzer, H. J. and Menzer, R. E. 1977. Performance of three insecticidal aerosols formulated with nonfluorocarbon propellants. J. Econ. Ent. 70(6):675-677.
- Coombes, L. E. and Meisch, M. V. 1976. Quick knockdown mosquito control with ULV compounds applied by cold aerosol generator. Arkansas Farm Res. 25(5):6.
- Cousserans, J., Gabinaud, A. and Sinègre, G. 1977. La démoustication réflexion sur une méthodologie. Entente Interdépart. pour Démoustication du Littoral Méditer. Doc. No. 35, 68 pp. and annexes.
- Darwazeh, H. A. and Mulla, M. S. 1977. Larvicidal and adulticidal trials against pasture mosquitoes. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:134-136.
- Elliott, M. 1976. Chemistry, biochemistry and insecticidal action of natural and synthetic pyrethroids. Pesticide Sci. 7(3):223-224. [*Anopheles stephensi.*]
- Harrison, R. J. 1977. Evaluation of the London fogger 500 and the Leco ULV Heavy Duty when used to apply Baygon MOS against adult mosquitoes. Ent. Soc. Quebec Ann. 22:3-13.
- Hollar, B. 1976. Improvements and new developments in ULV. Utah Mosquito Abat. Assoc. Proc. 29:40. [Published in 1977.]
- Hwang, Y. S., Darwazeh, H. A. and Navvab Gojrati, H. A. 1977. Overcrowding factors of mosquito larvae—larvicidal activity of substituted alkanolic acids and their esters. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:160-161.
- Joshi, G. P., Self, L. S., Shaw, R. F. and Supalin. 1977. A village-scale trial of fenitrothion (OMS-43) for the control of *Anopheles aconitus* in the Semarang area of central Java, Indonesia. WHO/VBC/77.675, 9 pp.
- Levine, B. S. and Murphy, S. D. 1977. Effects of piperonyl butoxide on the metabolism of dimethyl and diethyl phosphorothionate insecticides. Toxicol. and Appl. Pharmacol. 40(3):393-406.
- Lewallen, L. L. and Stewart, J. P. 1977. Field evaluation of SD43775, a new synthetic pyrethroid, for mosquito control. Calif. Mosquito Cont. Assoc. Proc. 45:141-142.
- Lewis, L. F. and Tucker, T. W. 1977. Toxicity of the pyrethroid Roussel-Uclaf 22974 to mosquito larvae in laboratory and semifield tests. Mosquito News 37(4):718-720.
- Milosavljevic, R. 1975. Mosquito control with the use of aerial spray insecticides. Agrohemiya No. 7-8:317-320. In Serbo-Croatian (Roman).
- Miura, T., Takahashi, R. M. and Mulligan, F. S., III. 1977. Field trials with pydrin, a synthetic pyrethroid, against *Culex tarsalis* and its impact on nontarget organisms. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:137-140.
- Pavlov, S. D. 1976. Materials and methods for control of biting flies. Veterinariya (Moscow) No. 5:37-41. In Rus. [Mosquitoes mentioned.]
- Rishikesh, N., Mathis, H. L., King, J. S. and Nambiar, R. V. 1977. A field trial of pirimiphos-methyl for the control of *Anopheles gambiae* and *Anopheles funestus* in Nigeria. WHO/VBC/77.671, 19 pp.
- Rustamov, B. R. and Tadzhiyeva, V. C. 1976. Problems of mosquito control and prophylaxis against malaria in the Arnasai depression in Uzbek SSSR. Med. Zhur. Uzbekistana No. 2: 46-50. In Rus.
- Stiles, A. R. and Jurjevskis, I. 1977. Summary review of new insecticides tested in stage V village-scale trials: 1961-1976. WHO/VBC/77.672, 8 pp. [*Anopheles gambiae* and *A. funestus.*]
- Stiles, A. R. and Moreau, C. M. 1977. Chemical evaluations of new insecticides: formulation

¹This work was supported, in part, by Grant LM 01786 from The National Library of Medicine, National Institutes of Health, U. S. DHEW.

- properties and residue analysis of wall deposits. WHO/VBC/77.674, 8 pp. [Mosquitoes.]
- Thompson, G. D. and Meisch, M. V. 1977. Efficacy of permethrin as a larvicide and adulticide against ricefield mosquitoes in Arkansas. *J. Econ. Ent.* 70(6):771-774.
- Turner, D. A. 1977. Ultra-low-volume ground aerosol as a supplementary anti-vector measure in the Solomon Islands Malaria Eradication Programme. *Mosquito News* 37(4): 624-628.
- Washino, R. K., Fukushima, C. K., Mount, G. A. and Womeldorf, D. J. 1977. Control of adult *Aedes nigromaculis* (Ludlow) with aerosols of pyrethrins and synthetic pyrethroids. III. Comparison of several techniques of evaluating effects upon mosquitoes and non-target organism. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:157-159.
- Watson, W., El-Gayar, F. and El-Shazli, A. 1976. Insecticides from *Nicotiana* plants growing in Egypt and their potencies against *Culex pipiens* Linnaeus (Diptera: Culicidae) and *Spodoptera littoralis* Boisduval (Lepidoptera: Noctuidae). *Entomologists' Newsltr.* 6(1):6. [Boisduval in original.]
- Womeldorf, D. J. and Mount, G. A. 1977. Control of adult *Aedes nigromaculis* (Ludlow) with aerosols of pyrethrins and synthetic pyrethroids. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:154-156.
- Zboray, E. P. and Mount, G. A. 1977. Control of adult *Aedes nigromaculis* (Ludlow) with aerosols of pyrethrins and synthetic pyrethroids. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:152-153.
- ### GROWTH REGULATORS
- Braud, T. P., Farlow, J. E., Steelman, C. D. and Schilling, P. E. 1977. Effects of the insect growth regulator methoprene on natural populations of aquatic organisms in Louisiana intermediate marsh habitats. *Mosquito News* 37(4): 704-712.
- Cupp, E. W., Lok, J. B. and Bowers, W. S. 1977. The developmental effects of 6, 7-dimethoxy-2,2-dimethyl chromene on the pre-imaginal stages of *Aedes aegypti* (Diptera: Culicidae). *Ent. Expt. et Applicata* 22(1):23-28.
- Darwezeh, H. A., Mulla, M. S. and Dhillon, M. S. 1977. Granular Dimlin® as pre-hatch treatment for the control of floodwater mosquitoes. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:143-145.
- Dorn, S. and Coauthors. 1976. Environmental degradation of the insect growth regulator 6,7-epoxy-1-(*p*-ethylphenoxy)-3-ethyl-7-methylnonane (Ro 10-3108) in polluted water. *J. Agr. and Food Chem.* 24(3): 637-640.
- Eshita, Y. and Kurihara, T. 1977. Effects of inhibition of the insect development by Dimilin on four species of mosquitoes. *Jap. J. Sanit. Zool.* 28(3):333-336. In *Jap., Engl. Sum.*
- Mulla, M. S., Darwezeh, H. A. and Dhillon, M. S. 1977. Cemetery mosquitoes and their control with organophosphorus larvicides and the insect growth regulator methoprene. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:162-165.
- Rathburn, C. B., Jr. and Boike, A. H., Jr. 1977. The efficacy of pre-flood and residual applications of two formulations of methoprene. *Mosquito News* 37(4):620-623.
- Schaefer, C. H., Miura, T., Wilder, W. H. and Mulligan, F. S., III. 1977. Evaluation of Dimlin®, Pydrin®, Sumithion®, resmethrin and fenethcarb for the control of California mosquitoes. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:146-148.
- Stewart, J. P. 1977. Field testing of methoprene (Altosid®) briquets for *Culex* mosquito control. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:149-151.
- ### MOSQUITO CONTROL AGENCY PROBLEMS
- Challet, G. L. 1977. Functions of management. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:38-39.
- Christianson, J. 1976. Insect problems in some Utah state parks. *Utah Mosquito Abat. Assoc. Proc.* 29/37. [Published in 1977. Mosquitoes included.]
- DeBenedetti, F. 1977. "Function of the Board" *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:37.
- Department of the Army, 1976. Department of the Army permit. *Utah Mosquito Abat. Assoc. Proc.* 29:19-21. [Published 1977.]
- Ellis, R. A. 1977. Mosquito biology and control. *City of Winnipeg Mosquito Abatement Branch, Parks and Recreation Department.* 10 pp., plus graphs and tables.
- Fiori, J. 1977. An unusual labor problem. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:44-45.
- Hansen, C. P. 1977. Communication: how to avoid confusion. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:46-48.
- Hicks, R. C. 1976. Mosquito control activities in

- Clark County, Nevada. Utah Mosquito Abat. Assoc. Proc. 29:7-9. [Published in 1977.]
- Jewell, D. J. 1977. Mosquito problems in a developing bayside community. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:193.
- Knighton, J. T. and Collett, G. C. 1976. Report of ULV applications over beehives—precautions and results. Utah Mosquito Abat. Assoc. Proc. 29:35. [Published in 1977.]
- Kramer, M. C. 1977. Land use planning: 208 program. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:32-34.
- Kramer, M. C. 1977. Mosquito control in California and the vector and waste management section. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:31.
- Kramer, M. C. 1976. Regulation of mosquito source reduction activities. Utah Mosquito Abat. Assoc. Proc. 29:18-19. [Published in 1977.]
- Leipzig, M. 1977. "Policies". Calif. Mosquito and Vector Cont. Assoc. Proc. 45:40.
- Magy, H. I. and Coauthors. 1977. Entomological evaluations following tropical storm Kathleen, Imperial County, 1976. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:197-201.
- Murray, W. D. 1976. Governmental regulations affecting mosquito control. Utah Mosquito Abat. Assoc. Proc. 29:16-17. [Published in 1977.]
- Murray, W. D. 1977. Trustee participation in mosquito source reduction. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:35.
- Murray, W. D. 1977. Trustee participation in nuisance abatement hearings in the Delta Vector Control District. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:35-36.
- Nielsen, J. L. and Wheeler, G. 1976. Source reduction in Box Elder County, Utah. Utah Mosquito Abat. Assoc. Proc. 29:22. [Published in 1977.]
- Roberts, R. S. 1976. 1976 report of the Utah Mosquito Control—Fish and Wildlife Management Coordinating Committee. Utah Mosquito Abat. Assoc. Proc. 29:36. [Published in 1977.]
- Romney, S. V. and Gondek, R. A. 1976. Mosquito abatement in the Uintah Basin, Utah. Utah Mosquito Abat. Assoc. Proc. 29:5. [Published in 1977.]
- Shoepfner, R. F. 1977. Methods used to suppress mosquito populations in a bayside community. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:194-196.
- Southwick, J. W. 1976. Mosquito abatement workers' health compared to others with occupational pesticide exposure. Utah Mosquito Abat. Assoc. Proc. 29:10-14. [Published in 1977.]
- Stokes, G. M. 1976. The importance of public relations in mosquito control operations. Utah Mosquito Abat. Assoc. Proc. 29:1-4. [Published in 1977.]
- Thomas, C. 1977. Developments in Imperial County following tropical storm Kathleen in September 1976. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:203-204.
- Urbanik, J. 1976. Report on the progress of the organization of a mosquito abatement district in Tooele County, Utah. Utah Mosquito Abat. Assoc. Proc. 29:6. [Published in 1977.]
- Wolfe, R. 1977. Trustee liability in decision making processes of the mosquito abatement district. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:41-43.

PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

- Armstrong, R. C. 1977. Dispersal rates of mosquitofish through cattails in drainage ditches. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:103-104.
- Armstrong, R. C. 1977. The cost of biocontrol versus chemical control in selected mosquito habitats. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:101-102.
- Armstrong, R. C. 1977. The effects of different control methodologies on mosquito production in water seepage areas in the Sutter-Yuba Mosquito Abatement District. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:99-100. [*Gambusia*.]
- Brown, B. J., Platzer, E. G. and Hughes, D. S. 1977. Field trials with the mermithid nematode. *Romanomermis culicivorax*, in California. Mosquito News 37(4):603-608.
- Buchatsky, L. P., Kanyuka, V. Yu and Lebedinets, N. M. 1976. Sensitivity of the honeycomb moth to mosquito iridescent virus. Mikrobiol. Zhur. 38(5):605-607. In Ukr. [*Aedes cantans*.]
- Christensen, J. B. and Coauthors, 1977. A preliminary field study employing *Lagenidium giganteum*, a fungus, as a possible biological control agent against the pasture mosquito, *Aedes nigromaculis*. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:105.
- Coykendall, R. L. 1977. Aquacultural studies of mosquitofish, *Gambusia affinis*, in earthen impoundments: stocking rate optimization for yield, protection of overwintering fish stocks. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:80-82.

- Davey, R. B. and Meisch, M. V. 1977. Dispersal of mosquitofish, *Gambusia affinis*, in Arkansas rice field. Mosquito News 37(4):777-778.
- Davey, R. B. and Meisch, M. V. 1977. Low maintenance production studies of mosquitofish, *Gambusia affinis* in Arkansas. Mosquito News 37(4):760-763.
- Dzerzhinsky, V. A. and Dubitsky, A. M. 1977. A new host of *Tetrahyomena stegomyiae*. Parazitologiya 11(2):189. In Rus., Engl. Sum. [*Aedes caspius* and *Uranotaenia unguiculata* infected with Protozoa similar in morphology to *T. stegomyiae*.]
- Farley, D. G. and Younce, L. C. 1977. Effects of *Gambusia affinis* (Baird and Girard) on selected non-target organisms in Fresno County rice fields. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:87-94.
- Farley, D. G. and Younce, L. C. 1977. Stocking date versus efficacy of *Gambusia affinis* in Fresno County rice fields. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:83-86.
- Federici, B. A. 1977. *Coelomomyces punctatus*: the effect of high intermediate copepod host densities on larval mosquito infection rates. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:109.
- Federici, B. A. 1977. Laboratory infection of *Anopheles freeborni* with the parasitic fungi, *Coelomomyces dodgei* and *Coelomomyces punctatus*. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:107-108.
- Fetter-Lasko, and Washino, R. K. 1977. A three year study of the ecology of *Lagenidium* infections of *Culex tarsalis* in California. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:106.
- Hirose, Y., Okubo, S. and Sato, H. 1977. The spread of *Gambusia affinis* distributed from Tokushima City to the western part of Japan. Jap. J. Sanit. Zool. 28(3):337-338. In Jap.
- Johnson, C. R. 1977. The effects of copper sulfate exposure on thermal tolerance, orientation and survival in adult mosquitofish, *Gambusia affinis*, and juvenile threespined sticklebacks, *Gasterosteus aculeatus*. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:66-68.
- Johnson, C. R. 1977. The effect of exposure to the organophosphorus insecticide chlorpyrifos on the feeding rate in the mosquitofish, *Gambusia affinis*. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:69-70.
- Johnson, C. R. 1977. The effects of field applied rates of five organophosphorus insecticides on thermal tolerance, orientation, and survival in *Gambusia affinis affinis* (Pisces: Poeciliidae). Calif. Mosquito and Vector Cont. Assoc. Proc. 45:56-58.
- Johnson, C. R. 1977. The effects of subacute concentrations of the insect growth regulators, DimilinTM and Methoprene, on thermal tolerance and behavior in the mosquitofish *Gambusia affinis*. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:54-55.
- Johnson, C. R. and Gieke, P. A. 1977. A heat exchange system for use in warm water aquaculture. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:73-75. [*Gambusia, Tilapia*.]
- Johnson, C. R. and Gieke, P. A. 1977. The effects of the herbicide diquat on *Gambusia affinis* and some associated fauna in freshwater ponds. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:59-60.
- Johnson, C. R. and Gieke, P. A. 1977. Suggested pond design for overwintering populations of *Gambusia affinis*. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:71-72.
- Johnson, C. R., Voigt, W. G. and Gieke, P. A. 1977. Food and feeding of bullfrogs, *Rana catesbeiana*, within *Gambusia affinis* culture ponds. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:61-65.
- Kalmakoff, J., Williams, B. R. G. and Austin, F. J. 1977. Antiviral response in insects? J. Invert. Path. 29(1):44-49. [*Aedes aegypti* included.]
- Kauffman, E. E. 1977. An introduction to the need of three operational research projects in the Sutter-Yuba Mosquito Abatement District. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:98. [*Gambusia*.]
- Lanciani, C. A. and Boyt, A. D. 1977. The effect of a parasitic water mite, *Arrenurus pseudotenuicollis* (Acari: Hydrachnellae), on the survival and reproduction of the mosquito *Anopheles crucians* (Diptera: Culicidae). J. Med. Ent. 14(1):10-15.
- Macan, T. T. 1977. The influence of predation on the composition of fresh-water animal communities. Biol. Reviews 52(1):45-70. [*Gambusia* included.]
- Maffi, M. and Nolan, R. A. 1977. *Coelomomyces lairdi*, n. sp., a fungal parasite of larvae of the *Anopheles* (*Cellia*) *punctulatus* complex (Diptera: Culicidae) from the highlands of Irian Jaya (Indonesian New Guinea). J. Med. Ent. 14(1):29-32.
- Martin, R. G. 1975. Sexual and aggressive behavior, density and social structure in a natural population of mosquitofish, *Gambusia affinis holbrooki*. Copeia No. 3:445-454.
- Mattingly, P. F. 1977. *Lagenidium* sp.: a fungal

- parasite of mosquito eggs. Roy. Soc. Trop. Med. and Hyg. Trans. 71(5):383.
- Nelson, F. R. S. 1977. Predation on mosquito larvae by beetle larvae, *Hydrophilus triangularis* and *Dytiscus marginalis*. Mosquito News 37(4):628-630.
- Petersen, J. J. 1977. Biology of *Octomyomermis muspratti*, a parasite of mosquitoes as it relates to mass production. J. Invert. Path. 30(2):155-159.
- Pillai, M. K. K., Agarwal, H. C. and Yadav, D. V. 1977. Tolerance, uptake and metabolism of DDT in *Gambusia affinis*. Indian J. Expt. Biol. 15(1):40-41.
- Poinar, G. O., Jr. 1977. *Empidomermis cozii* n. gen., n. sp. (Mermithidae: Nematoda) a parasite of *Anopheles funestus* (Culicidae: Diptera) in West Africa. Canad. J. Zool. 55(9):1475-1479.
- Poinar, G. O., Jr. and Hess, R. 1976. Uptake of ferritin particles through the body wall of a mermithid nematode. IRCS Med. Sci. Expt. 4(7-9):296. [*Romanomermis culicivorax*.]
- Poinar, G. O., Jr. and Hess, R. 1977. Virus-like particles in the nematode *Romanomermis culicivorax* (Mermithidae). Nature (London) 266(5599):256-257.
- Ramoska, W. A., Singer, S. and Levy, R. 1977. Bioassay of three strains of *Bacillus sphaericus* on field-collected mosquito larvae. J. Invert. Path. 30(2):151-154.
- Reynolds, G. T. 1977. Pilot project for the intensive culture of *Gambusia affinis* (Baird and Girard). Part IV—three year evaluation of operation and production efficiencies. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:76-79.
- Sweeney, A. W. 1977. Infection of aseptically reared mosquito larvae with *Culicinomyces* sp. J. Invert. Path. 30(2):273.
- Wagner, G. W. and Paschke, J. D. 1977. A comparison of the DNA of the "R" and "T" strains of mosquito iridescent virus. Virology 81(2):298-308.
- Wiedl, S. C. 1977. The effects of sublethal concentrations of dieldrin on the predatory efficiency of *Toxorhynchites brevipalpis*. Environmtl. Ent. 6(5):709-711.
- Schaefer, C. H. and Dupras, E. F., Jr. 1977. The evaluation of gypsum soil supplements and sulfurous acid water treatment for improving water penetration on alkali pastures. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:168-172.
- Shisler, J. K. and Jobbins, D. M. 1977. Salt marsh productivity as affected by the selective ditching technique, open marsh water management. Mosquito News 37(4):631-636.

EQUIPMENT

- Rupp, H. R. 1977. A test chamber for the evaluation of insecticide dispersing equipment. Mosquito News 37(4):775-777.
- See also Harrison Adulticides, Larvicides and Ovicides Section.

ATTRACTANTS AND REPELLENTS

- Bar-Zeev, M., Maibach, H. I. and Khan, A. A. 1977. Studies on the attraction of *Aedes aegypti* (Diptera: Culicidae) to man. J. Med. Ent. 14(1):113-120.
- Mukwaya, L. G. 1976. The role of olfaction in host preference by *Aedes (Stegomyia) simpsoni* and *Ae. aegypti*. Physiol. Ent. 1(4):271-276.
- Roberts, D. R. and Hsi, B. P. 1977. A method of evaluating ovipositional attractants of *Aedes aegypti* (Diptera: Culicidae), with preliminary results. J. Med. Ent. 14(1):129-131.
- Snow, W. F. 1977. Trials with an electronic mosquito-repelling device in West Africa. Roy. Soc. Trop. Med. and Hyg. Trans. 71(5):449-450.
- Spencer, T. S., Hill, J. A., Akers, W. A. and Bjorkland, G. 1977. Studies of repellent formulations with N,N-diethyl-m-tolamide. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:121-123.
- Spencer, T. S., Zeller, K. L., Brodel, C. F. and Akers, W. A. 1977. Analysis of four-site method for testing mosquito repellents. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:119-120.

RESISTANCE AND SUSCEPTIBILITY

VARIOUS TYPES OF CONTROL

- Provost, M. W. 1977. Source reduction in salt-marsh mosquito control: past and future. Mosquito News 37(4):689-698.
- Roberts, F. C. 1977. Salt marsh restoration in Alameda County and its impact on mosquito control. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:166-167.
- Alekseev, A. N. and Suvorova, N. I. 1977. Increased attacks on man in DDT-resistant female *Anopheles maculipennis sacharovi* Favre under the influence of contact with this insecticide. Med. Parazit. i. Parazit. Bolezni 46(4):439-444. In Rus., Engl. Sum.
- Bryan, J. H. 1977. Mode of inheritance of dieldrin resistance in *Anopheles farauti* No. 1. and

- A. farauti* No. 2. Ann. Trop. Med. and Parasitol. 71(3):379-382.
- Ermishev, Yu. V., Kulkova, T. A. and Polevoy, N. I. 1977. Study of the sensitivity and irritability of *Anopheles* mosquitoes to insecticides in northeastern Afghanistan. Communication 2. Med. Parazit. i Parazit. Bolezni 46(4):444-447. In Rus., Engl. Sum.
- Gutierrez, M.C., Zboray, E.P. and White, K. E. 1977. Insecticide susceptibility of mosquitoes in California: status of organophosphorus resistance in larval *Culex pipiens* subsp., 1976. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:124-131.
- Hart, N. R. and Womeldorf, D. J. 1976. Insecticide susceptibility of mosquitoes in Utah: status of organophosphorus larvicide resistance through 1976. Utah Mosquito Abat. Assoc. Proc. 29:23-28. [Published in 1977.]
- Rajagopal, R. 1977. Malathion resistance in *Anopheles culicifacies* in Gujarat. Indian J. Med. Res. 66(1):27-28.
- Stewart, J. P. 1977. Synergism of chlorpyrifos by DEF® in the control of organophosphorus resistant *Culex pipiens quinquefasciatus* larvae, with notes on synergism of parathion and fenthion. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:132-133.
- Tadzhieva, V. S., Roslik, L. G. and Kocherova, S. I. 1976. The relative susceptibility of the mosquito *Anopheles pulcherrimus* Theo. to DDT and dieldrin in Uzbekistan. Med. Zhur. Uzbekistana No. 1:23-25. In Rus.
- changes in soil temperature. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:183-185.
- Barnard, D. R. and Mulla, M. S. 1977. Temporal patterns of pupation and emergence in the mosquito *Culiseta inornata* (Diptera: Culicidae). Canad. Ent. 109(10):1387-1392.
- Boreham, P. F. L., Lenahan, J. K. and Jolly, J. 1977. Multiple feeding by mosquitoes. Roy. Soc. Trop. Med. and Hyg. Trans. 71(5):384.
- Carroll, M. K. and Bourg, J. A. 1977. The night-time flight activity and relative abundance of fifteen species of Louisiana mosquitoes. Mosquito News 37(4):661-664.
- Ebsary, B. A. and Crans, W. J. 1977. The biting activity of *Aedes sollicitans* in New Jersey. Mosquito News 37(4):721-724.
- Enfield, M. A. and Pritchard, G. 1977. Estimates of population size and survival of immature stages of four species of *Aedes* (Diptera: Culicidae) in a temporary pond. Canad. Ent. 109(11):1425-1434.
- Eshghy, N. and Janbakhsh, B. 1977. The biting activity of *Anopheles stephensi* in two Iranian villages sprayed with organophosphorous insecticides. Mosquito News 37(4):756-759.
- Galun, R. 1975. Behavioral aspects of chemoreception in blood-sucking invertebrates. Advances in Behavioral Biol. 15:211-221. [Mosquitoes included.]
- Heatwole, H. and Shine, R. 1976. Mosquitoes feeding on ectothermic vertebrates: a review and new data. Austral. Zoologist 19(1):69-75.
- Jones, M. D. R. and Gubbins, S. J. 1977. Modification of circadian flight activity in the mosquito *Anopheles gambiae* after insemination. Nature (London) 268(5622):731-732.
- Joshi, G. P. and Coauthors. 1977. Ecological studies on *Anopheles aconitus* in the Semarang area of central Java, Indonesia. WHO/VBC/77. 677, 15 pp.
- Khan, A. Q. and Reisen, W. K. 1977. Laboratory observations on developmental rhythms in *Culex tritaeniorhynchus*. Mosquito News 37(4):637-645.
- McDonald, P. T. 1977. Population characteristics of domestic *Aedes aegypti* (Diptera: Culicidae) in villages on the Kenya coast. I. Adult survivorship and population size. J. Med. Ent. 14(1):42-48.
- McDonald, P. T. 1977. Population characteristics of domestic *Aedes aegypti* (Diptera: Culicidae) in villages on the Kenya coast. II. Dispersal within and between villages. J. Med. Ent. 14(1):49-53.
- McKenzie, T. L., Meyer, R. P. and Washino, R. K. 1977. Overwintering biology of *Culex (Neoculex) boharti* Brookman and Reeves in

TOXICOLOGY

- Shihab, K. 1976. Malathion poisoning among spraymen. Bul. Endemic Dis. 17(1-4):69-74.

BEHAVIOR, BIOLOGY AND ECOLOGY

- Artemenko, L. P. and Ponomarenko, V. Ya. 1975. Seasonal dynamics of mosquito infestation of cattle in the western Ukraine in relation to the incidence of acute anaplasmosis. Veterinariya (Kiev) No. 41:68-71. In Ukr.
- Bang, Y. H., Mrope, F. M. and Sabuni, I. B. 1977. Changes in mosquito populations associated with urbanization in Tanzania. East Afr. Med. J. 54(7):403-410.
- Barnard, D. R. and Mulla, M. S. 1977. Diel periodicity of blood feeding in the mosquito *Culiseta inornata* in the Coachella Valley of southern California. Mosquito News 37(4):669-673.
- Barnard, D. R. and Mulla, M. S. 1977. Post-ovipositional adult activity in *Culiseta inornata* (Williston) in relation to larval breeding and

- northern California: a progress report. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:173-175.
- Means, R. G., Grayson, M. and Blakemore, E. 1977. Preliminary studies on two biologically different strains of *Aedes triseriatus* in New York. Mosquito News 37(4):609-615.
- Meek, C. L. and Olson, J. K. 1977. The importance of cattle hoofprints and tire tracks as oviposition sites for *Psorophora columbiae* in Texas ricelands. Environmtl. Ent. 6(1):161-166.
- Meyer, R. P. 1977. Fall and winter populations of mosquitoes sampled by dry ice baited CDC miniature light traps in central California. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:176-180.
- Minson, K. L. and Graham, J. E. 1977. Current status of *Aedes vexans* in south Salt Lake County, Utah, Calif. Mosquito and Vector Cont. Assoc. Proc. 45:188-191.
- Mukwaya, L. G. 1976. The role of olfaction in host preference by *Aedes (Stegomyia) simpsoni* and *Ae. aegypti*. Physiol. Ent. 1(4):271-276.
- Muller, M. J. and Murray, M. D. 1977. Blood-sucking flies feeding on sheep in eastern Australia. Austral. J. Zool. 25(1):75-85. [Mosquitoes included.]
- Neves, D. P. and Silva, J. E. D. 1976. Os Culicidae do Museu de História Natural da Universidade Federal de Minas Gerais, Belo Horizonte. II. Variação estacional dos mosquitos da mata natural e da de eucalipto. Rev. Brasil de Biol. 36(3):555-560. Engl. Sum.
- Pajot, F. X. 1977. Trophic preferences, activity cycle and resting places of *Aedes (Stegomyia) simpsoni* (Theobald, 1905) (Diptera, Culicidae) in the Central African Republic. Ent. Méd. Parasitol. Cah. 15(1):73-91. In Fr., Engl. Sum.
- Pajot, F. X., Le Pont, F., Molez, J. F. and Degallier, N. 1977. Biting cycle of *Anopheles (Nysorhynchus) darlingi* Root, 1926 (Diptera, Culicidae) in French Guiana. Ent. Méd. Parasitol. Cah. 15(1):15-22. In Fr., Engl. Sum.
- Polyakova, P. E. 1976. Swarming of blood-sucking mosquitoes of the genera *Aedes* and *Culiseta* in the area of the Bakchar marshes in the Tomsk region. Izv. Sibirsk. Otdel. Akad. Nauk SSSR, Ser. Biol. 15(3):60-64. In Rus., Engl. Sum.
- Reed, D. E. 1976. The seasonal occurrence of mosquito species in rice fields in western Fresno County, California. Utah Mosquito Abat. Assoc. Proc. 29:29-31. [Published in 1977.]
- Reisen, W. K., Aslam, Y. and Siddiqui, T. F. 1977. Observations on the swarming and mating of some Pakistan mosquitoes in nature. Ent. Soc. Amer. Ann. 70(6):988-995.
- Reisen, W. K. and Boreham, P. F. L. 1976. Feeding patterns of Punjab mosquitoes (Diptera: Culicidae); a short-term survey. Biologia (Pakistan) 22(1):299-304.
- Reisen, W. K. and Emory, R. W. 1977. The effects of larval intraspecific competition on imaginal densities in *Anopheles stephensi* (Diptera: Culicidae): a laboratory evaluation. Canad. Ent. 109(11):1481-1484.
- Reisen, W. K. and Emory, R. W. 1977. Intra-specific competition in *Anopheles stephensi* (Diptera: Culicidae). II. The effects of more crowded densities and the addition of antibiotics. Canad. Ent. 109(11):1475-1480.
- Rupp, H. R. 1977. *Culiseta melanura* larvae in tires—a recurring phenomenon? Mosquito News 37(4):772-773.
- Russo, R. J. 1977. Substrate moisture effects upon oviposition in *Aedes vexans*. Mosquito News 37(4):712-717.
- Sato, S. and Coauthors. 1976. The larval habitats of mosquitoes in Tokachi Prefecture. Hokkaido Univ. Educ. J. (Sect. II B) 27(1):21-32. In Jap., Engl. Sum.
- Sato, S., Takahashi, H., Yamada, M. and Kumura, K. 1975. Ecological studies on the mosquito larvae in the Shakotan Peninsula. 1. The larval habitats of mosquitoes. Hokkaido Univ. Educ. J. (Sect. II B) 26(1):17-26.
- Scorza, J. V. and Coauthors. 1977. Ecología de las larvas de *Anopheles nunez-tovari* Gabaldon, 1940 en El Vigía, Mérida, Venezuela. II. Sucesión y dominancia del fitoplankton en dos pozos poblados con larvas de *A. nunez-tovari*. Bol. de la Dirección de Malaria y San. Amb. 17(2):118-130. Engl. Sum.
- Service, M. W. 1977. Ecological and biological studies on *Aedes cantans* (Meig.) (Diptera: Culicidae) in southern England. J. Appl. Ecology 14(1):159-196.
- Shetty, P. S. and Geervarghese, G. 1977. Tree-hole breeding of *Aedes aegypti* in Poona city—a short note. Indian J. Med. Res. 66(2):172-174.
- Shroyer, D. A. and Sanders, D. P. 1977. The influence of carbohydrate-feeding and insemination on oviposition of an Indiana strain of *Aedes vexans* (Diptera: Culicidae). J. Med. Ent. 14(1):121-127.
- Soman, R. S. 1977. Studies on *Aedes aegypti* in Bangalore city. Indian J. Med. Res. 65(1):8-16.
- Subra, R. and Hébrard, G. 1977. *Aedes aegypti* and human environment in Mayotte Island. Ent. Méd. Parasitol. Cah. 15(1):67-72. In Fr., Engl. Sum.

- Uchikawa, K. 1977. A study on mosquitoes in Chushin District, Nagano Prefecture, Japan. Jap. J. Sanit. Zool. 28(3):329-332. In Jap., Engl. Sum.
- Voeckel, C. 1977. Contribution à l'étude écologique des aires culicidogènes du complexe lagunaire de Saint-Nazaire (Roussillon). 298 pp., contents, maps, annex. [Thèse présentée à l'Université des Sciences et Techniques du Languedoc (Montpellier).]
- Wagstaff, K. and Graham, J. E. 1977. The persistence of minor mosquito species in South Salt Lake County, Calif. Mosquito and Vector Cont. Assoc. Proc. 45:186-187.
- See also Pajot in Anatomy, Morphology and Physiology Section.

GENETICS AND GENETIC CONTROL

- Asman, S. M. 1977. Two sex-linked mutations in *Culex tarsalis*. J. Heredity 68(3):195-197.
- Baker, R. H., Sakai, R. K. and Saifuddin, U. T. 1977. Pericentric inversions on chromosome 2 in *Culex tritaeniorhynchus*. Mosquito News 37(4):681-686.
- Baker, R. H., Sakai, R. K., Saifuddin, U. T. and Ainsley, R. W. 1977. Translocations in the mosquito, *Culex tritaeniorhynchus*. J. Heredity 68(3):157-166.
- Fiil, A. 1976. Polycytoplasmic and intranuclear annulate lamellae in mosquito oocytes. Hereditas 84(1):117-120. [*Aedes aegypti*.]
- Hartberg, W. K. and Johnston, K. W. 1977. Red-eye, a sex-linked mutant in the mosquito *Eretmapodites quinquevittatus* Theobald. Mosquito News 37(4):725-728.
- Narang, N. 1977. Chromosomal polymorphism in different populations of *Culex pipiens fatigans* during meiosis. Rev. Brasil de Biol. 37(2):425-429.
- Nelson, F. R. S. 1976. Induced sterility in adult *Culex pipiens quinquefasciatus* by chemosterilization of pupae. Science Biol. J. 2(6):231-234.
- Sakai, R. K. and Baker, R. H. 1977. Short wing, a recessive mutant on chromosome 1 in *Culex tritaeniorhynchus*. Mosquito News 37(4):686-688.
- Sakai, R. K., Iqbal, M. P., Lateef, S. and Baker, R. H. 1975. Lactate dehydrogenase polymorphism in a virus vector mosquito, *Culex tritaeniorhynchus*. Pakistan J. Zool. 7(2):107-111.
- Seawright, J. A., Kaiser, P. E. and Dame, D. A. 1977. Mating competitiveness of chemosterilized hybrid males of *Aedes aegypti* (L.) in field tests. Mosquito News 37(4):615-619.
- Sharma, V. P., Mani, T. R., Adak, T. and Ansari, M. A. 1977. *Colorless-eye*, a recessive autosomal mutant of *Anopheles stephensi*. Mosquito News 37(4):667-669.
- Sidky, H. S. A. and Riad, Z. M. 1976. A chromosomal map of the salivary gland chromosomes of *Anopheles pharoensis*. J. Egypt. Soc. Parasitol. 6:153-162.
- Subbarao, S. K. and Coauthors. 1977. Selection for partial compatibility with aged and previously mated males in *Culex pipiens fatigans* (Diptera: Culicidae). J. Med. Ent. 14(1):82-85.
- Tadano, T. 1977. Genetics of three new mutants, straw-colored larva, ruby eye and pigmented pupa, in *Aedes (Finlaya) togoi* (Diptera: Culicidae). J. Med. Ent. 14(1):33-37.
- Tadano, T. 1977. The inheritance of a mutant yellow larva in the mosquito *Aedes togoi*. Ann. Trop. Med. and Parasitol. 71(3):361-365.
- Terwedow, H. A., Jr. and Asman, S. M. 1977. *Aedes sierrensis*: determination of the optimal radiation dose for competitive sterile-male control. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:115-118.
- Terwedow, H. A., Jr. and Coauthors. 1977. Mating competitiveness of *Culex tarsalis* double translocation heterozygote males in laboratory and field cage trials. Ent. Soc. Amer. Ann. 70(6):849-854.
- Wade, J. O. 1977. The genetics of white-eye, a sex-linked mutant of *Aedes (Stegomyia) cooki* Belkin. Ann. Trop. Med. and Parasitol. 71(4):483-485.

ANATOMY, MORPHOLOGY AND PHYSIOLOGY

- Barnes, C. S., Cupp, E. W. and Toom, P. M. 1977. Lactate dehydrogenase isoenzymes in *Aedes aegypti*. Insect. Biochem. 7(4):387-391.
- Carnevale, P., Molinier, M. and Mouchet, J. 1977. Mathematical relationships in the development of the ovarian follicles of *Anopheles nili* (Theo.) 1904. Ent. Méd. Parasitol. Cah. 15(1):23-27. In Fr., Engl. Sum.
- Chevone, B. I. and Richards, A. G. 1977. Ultrastructural changes in intersegmental cuticle during rotation of the terminal abdominal segments in a mosquito. Tissue and Cell 9(2):241-254.
- Ebsary, B. A. and Crans, W. J. 1977. The physiological age structure of an *Aedes sollicitans* population in New Jersey. Mosquito News 37(4):647-653.
- Nasci, R. S. and Romoser, W. S. 1977. Gas volume changes in the esophageal diverticula of *Aedes aegypti* (Diptera: Culicidae). Ent. Soc. Amer. Ann. 70(6):963-967.

- Nayar, J. K. and Pierce, P. A. 1977. Utilization of energy reserves during survival after emergence in Florida mosquitoes. *J. Med. Ent.* 14(1):54-59.
- Pajot, F. X. 1976. Physiological features in ecological study of females of *Aedes (Stegomyia) simpsoni* (Theobald, 1905) (Diptera, Culicidae): physiological age, gonotrophic cycle, fecundity, longevity. *Ent. Med. et Parasitol. Cah.* 14(4):271-291. In Fr., Engl. Sum.
- Puchkova, L. V. 1976. Inner surface of mosquitoes (Culicidae) labella. *Dopov. Akad. Nauk Ukr. RSR Ser. B* No 6:558-561. In Rus., Engl. Sum.
- Stobbs, R. H. 1977. The control of the diuresis following a blood meal in females of the yellow fever mosquito *Aedes aegypti* (L.). *J. Expt. Biol.* 69:53-85.
- Tadkowsky, T. M., Jones, J. C. and Firman, J. 1977. The fine structure of the imaginal oenocytes of *Aedes aegypti*. *Ent. Soc. Amer. Ann.* 70(6):837-840.
- See also Fiil in Genetics and Genetic Control Section and Galun in Behavior, Biology and Ecology Section.
- TECHNIQUES
- Dadd, R. H., Kleinjan, J. E. and Sneller, V. P. 1977. Development of several species of mosquito larvae in fully defined dietary media: preliminary evaluation. *Mosquito News* 37(4):699-703.
- Enfield, M. A. and Pritchard, G. 1977. Methods for sampling immature stages of *Aedes* spp. (Diptera: Culicidae) in temporary ponds. *Canad. Ent.* 109(11):1435-1444.
- Focks, D. A., Hall, D. W. and Seawright, J. A. 1977. Laboratory colonization and biological observations of *Toxorhynchites rutilus rutilus*. *Mosquito News* 37(4):751-755.
- Ford, H. R. and Green, E. 1976. Methods for rearing *Aedes taeniorhynchus* (Wiedemann) in the laboratory. *U. S. Dept. Agr., Agr. Res. Serv., ARS-S-145*:1-4.
- Furumizo, R. T., Cheong, W. H. and Rudnick, A. 1977. Laboratory studies of *Toxorhynchites splendens*. Part I. Colonization and laboratory maintenance. *Mosquito News* 37(4):664-667.
- Gilpin, M. E., McClelland, G. A. H. and Pearson, J. W. 1976. Space, time and the stability of laboratory mosquito populations. *Amer. Naturalist* 110(976):1107-1111.
- Kent, R. B. and Sutherland, D. J. 1977. A compact map-panel system for large acreage. *Mosquito News* 37(4):765-767.
- Schechter, M. S. and Coauthors. 1977. Computer storage and retrieval of insecticide test data. *J. Econ. Ent.* 70(6):759-766.
- Service, M. W. 1977. A critical review of procedures for sampling populations of adult mosquitoes. *Bul. Ent. Res.* 67(3):343-382.
- See also two papers by Reisen and Emory in Behavior, Biology and Ecology Section.
- TAXONOMY
- Abercrombie, J. 1977. Medical entomology studies—IX. The subgenus *Christophersomyia* of the genus *Aedes* (Diptera: Culicidae). *Amer. Ent. Inst. Contrib.* 14(2):1-72.
- Belkin, J. N. 1977. *Aedes (Ochlerotatus) pix* Martini 1935 a synonym of *Aedes (O.) taeniorhynchus* (Wiedemann 1821). *Mosquito Systematics* 9(4):535.
- Cova Garcia, P., Pulido F., J. and Amarista M., J. R. 1977. *Anopheles (Nyssorhynchus) delta-orinoquensis* n. sp. (Diptera, Culicidae) de Venezuela. *Bol. de la Dirección de Malaria y San. Amb.* 17(2):150-161. Engl. Sum. [n. sp.]
- Cova Garcia, P., Pulido F., J. and de Ugreto, C. E. 1977. *Anopheles (Kerteszia) gonzalezrini-conesi* n. sp. (Diptera, Culicidae) de Venezuela. *Bol. de la Dirección de Malaria y San. Amb.* 17(2):140-149. Engl. Sum. [n. sp.]
- Cova-Garcia, P. and Sutil O., E. 1977. Claves gráficas para la clasificación de anofelinos de Venezuela. *Publicacion de la Division de Endemias Rurales Direccion de Malariologia y Saneamiento Ambiental Ministerio de Sanidad y Asistencia Social Maracay, Aragua, Venezuela.* 92 pp.
- De Meillon, B. and Coauthors. 1977. Observations on a species of the *Anopheles funestus* subgroup, a suspected exophilic vector of malaria parasites in northeastern Transvaal, South Africa. *Mosquito News* 37(4):657-661.
- Knight, K. L. and Harbach, R. E. 1977. Maxillae of fourth stage mosquito larvae (Diptera: Culicidae). *Mosquito Systematics* 9(4):455-477.
- Lunt, S. R. 1977. Morphological characteristics of the larvae of *Aedes triseriatus* and *Aedes hendersoni* in Nebraska. *Mosquito News* 37(4):654-656.
- Peyton, E. L. 1977. Medical entomology studies—X. A revision of the subgenus *Pseudoficalbia* of the genus *Uranotaenia* in Southeast Asia (Diptera: Culicidae). *Amer. Ent. Inst. Contrib.* 14(3):1-273. [*U. abdita*, *abstrusa*, *albipes*, *approximata*, *confusa*, *enigmatica*, *harrisoni*, *moufiedi*, *nocticola*, *patriciae*, *propinqua*, *quasimodesta* and *reinerti* n. spp.]

- Sirivanakarn, S. 1977. A new species of *Culex* (*Eumelanomyia*) from India with descriptions of pupae and larvae of *Cx. pluvialis* Barraud and *Cx. iphis* Barraud (Diptera: Culicidae). Mosquito Systematics 9(4):537-547. [*C. mohani* n. sp.]
- Sirivanakarn, S. 1977. Medical entomology studies—VI. A revision of the subgenus *Lophoceraomyia* of the genus *Culex* in the Oriental region (Diptera: Culicidae). Amer. Ent. Inst. Contrib. 13(4):1-245. [*C. aestivus*, *alorensis*, *gracicornis*, *hirtipalpis*, *impostor*, *lasiopalpis*, *pairoji*, *paraculeatus* and *wardi* n. spp.]
- White, G. B. 1977. *Culex loewi* Giebel, 1862 (Insecta: Diptera: Culicidae): request for suppression under the plenary powers so as to conserve *Toxorhynchites brevipalpis* Theobald, 1901 (official list of generic names No. 1341; official list of specific names, No. 1615). Z. N. (S.) 2173. Bul. Zool. Nomencl. 33(3-4):228-232.

DISTRIBUTION

- Ashton, A. D. and Rabalais, F. C. 1977. A survey of mosquitoes in Wood County, Ohio. Mosquito News 37(4):767-770.
- Brogren, S. J. and Idziorek, R. B. 1977. *Culiseta inornata* in the Metropolitan Mosquito Control District, Minnesota. Mosquito News 37(4):765.
- Cordellier, R. and Geoffroy, B. 1976. Mosquitoes of the Central African Republic. Distribution, abundance and frequency of culicines in the west of the country. The arboviruses isolated. Travaux et Documents de l'ORSTOM No. 49, 105 pp.
- Darsie, R. F., Jr., Merino, M. E. and Wilton, D. P. 1977. Discovery of *Anopheles crucians* subgroup on the Pacific Coast of El Salvador. Mosquito News 37(4):645-646.
- Heinemann, S. J. and Belkin, J. N. 1977. Collection records of the project "Mosquitoes of Middle America" 8. Central America: Belize (BH), Guatemala (GUA), El Salvador (SAL), Honduras (HON), Nicaragua (NI, NIC). Mosquito Systematics 9(4):403-454.
- Heinemann, S. J. and Belkin, J. N. 1977. Collection records of the project "Mosquitoes of Middle America" 9. Mexico (MEX, MF, MT, MX). Mosquito Systematics 9(4):483-535.
- Neves, D. P. and Pedersoli, J. L. 1976. Os Culicidae do Museu de História Natural da Universidade Federal de Minas Gerais, Belo Horizonte. I. A mata e espécies encontradas. Rev. Brasil de Biol. 36(3):547-553. Engl. Sum.
- Roman, E. and Pichot, J. 1976. Culicidae of the Lyons area: new mosquitoes, additional data on some previously recorded ones. Bul. Mens. Soc. Linn. (Lyon) 45(2):57-61. In Fr. [*Aedes*, *Culex*, *Culiseta*.]
- Van Peenen, P. F. D. and Coauthors. 1975. Mosquitoes collected in South and East Kalimantan. Bulletin Penelitian Kesehatan Health Studies in Indonesia 3(2):21-27.
- Wall, S., Jr. 1977. New haunts for an old foe. Mosquito News 37(4):764-765. [*Aedes sollicitans*.]
- Zaim, M., Newson, H. D. and Dennis, G. D. 1977. *Psorophora horrida* in Michigan. Mosquito News 37(4):763.
- Zaini, M. A., Kassal, S. M. and Al-Takriti, A. B. 1976. Preliminary report on new insects in Iraq. Bul. Endemic Dis. 17(1-4):143-144. [Mosquitoes included.]

SEVERAL DISEASES

- Center for Disease Control. 1977. Health information for international travel 1977. Morbid. and Mortal. Wkly. Rpt. 26, 96 pp.
- Schoenfeld, F. J. 1976. Review of some veterinary arthropod-borne diseases. Utah Mosquito Abat. Assoc. Proc. 29:15. [Published in 1977. Mosquito-borne included.]
- Van Peenen, P. F. D. and Coauthors. 1977. Disease survey of Palolo Valley, Central Sulawesi, Indonesia. II. Intestinal parasites, malaria, and filariasis. Military Med. 142 (6):454-457.

ARBOVIRUSES AND OTHER VERTEBRATE VIRUSES

- Andzhaparidze, O. G. and Coauthors. 1977. Persistence of arenavirus antigen in continuous cell lines. Attempts at isolation of an infectious virus. Voprosy Virusologii No. 5: 557-561. In Rus., Engl. Sum.
- Aspöck, V. H. 1976. Arthropods as vectors of infections of man in Central Europe. Anz. f. Schädlingskunde 49(11):164-166. In Ger., Engl. Sum. [*Aedes*, *Anopheles*, *Culex* included.]
- Beaty, B. J., Shope, R. E. and Clarke, D. H. 1977. Salt-dependent hemagglutination with Bunyaviridae antigens. J. Clin. Microbiol. 5(5):548-550.
- Chaturvedi, U. C. and Coauthors. 1976. Group B arbovirus HI antibodies in the human and animal sera at Lucknow. Indian J. Path. and Microbiol. 19(3):161-167.
- Elbel, R. E., Crane, G. T., Calisher, C. H. and Francy, D. B. 1976. Arbovirus isolations from insects collected in and near southwestern

- Utah. Utah Mosquito Abat. Assoc. Proc. 29:34. [Published in 1977. Mosquito-borne diseases included.]
- Gilot, B. and Coauthors. 1977. Contribution à l'étude épidémiologique de la myxomatose dans la région Rhône-Alpes: premières données sur le rôle vectoriel des Culicidés. Equilibre écologique hôte-maladie. Soc. des Sci. Vét. et Méd. Compar. Bul. 79(2):77-90. Engl. Sum.
- Gundelfinger, B. F., Van Peenen, P. F. D., See, R. and Irving, G. S. 1977. Disease survey of Palolo Valley, Central Sulawesi, Indonesia. III. Serological findings. Military Med. 142(6):458-464.
- Hronovský, V., Propper, P., Kopecký, J. and Benda, R. 1977. Experience with the use of low-viscosity methyl cellulose for plaquing of some arboviruses. Cesk. Epidemiol. Mikrobiol. Immunol. 26(2):83-88. In Czech., Engl. Sum.
- Jahrling, P. B. and Beall, J. L. 1977. Chromatographic separations of alphavirus strains by hydroxylapatite. J. Clin. Microbiol. 6(3):238-243.
- Kalmakoff, J., Williams, B. R. G. and Austin, F. J. 1977. Antiviral response in insects? J. Invert. Path. 29(1):44-49. [*Aedes aegypti*.]
- Kascsak, R. J. and Lyons, M. J. 1977. Bunyamwera virus. I. The molecular complexity of the virion RNA. Virology 82(1):37-47.
- Kurogi, H. and Coauthors. 1977. Congenital abnormalities in newborn calves after inoculation of pregnant cows with Akabane virus. Infect. and Immunity 17(2):338-343.
- Lascano, E. F. and Berria, M. I. 1976. Meningeal drainage of Aura virus grown in the mouse brain. Medicina (Buenos Aires) 36(5):463-467. In Sp.. Engl. Sum.
- Lvov, D. K. and Coauthors. 1977. Isolation of Tahyna virus (California antigenic group, Bunyaviridae Family) from the blood of febrile patients in the Tadzhik SSR. Voprosy Virusologii No. 6:682-685. In Rus., Engl. Sum.
- Main, O. M., Hardy, J. L. and Reeves, W. C. 1977. Growth of arboviruses and other viruses in a continuous line of *Culex tarsalis* cells. J. Med. Ent. 14(1):107-112.
- Málková, D. and Danielová, V. 1977. Experimental infection of pheasants with Lednice (Yaba 1) virus. Folia Parasitol. 24(4):382-384. [*Culex modestus*.]
- Minar, J. 1976. Investigation of blood-sucking Diptera with special emphasis on mosquitoes as vectors of arboviruses in Czechoslovakia. Cesk. Epidemiol. Mikrobiol. Imunol. 25(5):313-319. In Czech., Engl. Sum.
- Moreau, J. P., Bihan-Faou, P. and Sinegre, G. 1976. Essais de transmission transovarienne du virus Tahyna chez "*Aedes (O. caspius)*" (Pallas, 1971). Med. Trop. (Marseille) 36(5):441-442. Engl. Sum.
- Mukherjee, L., Venu, K., Rao, M. N. and Bhaskar, R. 1977. Serological studies in acute viral encephalitis. Indian Pediatrics 14(1):25-28.
- Nosec, I. 1976. The role of arthropods as vector agents in viral hepatitis. Rev. de Igiene (Bacteriol.) 21(3):143-147. In Rum., Engl. Sum. [Mosquitoes included.]
- Objeski, J. F. and Murphy, F. A. 1977. Bunyaviridae: recent biochemical developments. J. General Virol. 37(1):1-14.
- Palmer, E. L., Objeski, J. F., Webb, P. A. and Johnson, K. M. 1977. The circular, segmented nucleocapsid of an Arenavirus-Tacaribe virus. J. General Virol. 36(3):541-545.
- Patton, N. M. and Holmes, H. T. 1977. Myxomatosis in domestic rabbits in Oregon. Amer. Vet. Med. Assoc. J. 171(6):560-562.
- Pennington, T. H., Pringle, C. R. and McCrae, M. A. 1977. Bunyamwera virus-induced polypeptide syntheses. J. Virology 24(1):397-400.
- Rai, J. and Ghosh, S. N. 1977. Intragel adsorption studies on arbovirus soluble complement fixing antigens and antibodies. Indian J. Med. Res. 66(3):364-372.
- Rödl, P., Bárdos, V., Hubálek, Z. and Juricová, Z. 1977. Experimental infection of foxes with Tahyna virus. Folia Parasitol. 24(4):373-376.
- Sekeyová, M., Grěšiková, M., Hruzik, M., and Lukovicova, Z. 1976. Haemagglutination-inhibition antibodies against some arboviruses in the sera of Vietnamese citizens. Casopis Lek. Cesk. 115(46):1432-1434. In Slo., Engl. Sum.
- St. George, T. D. and Coauthors. 1977. The epizootiology of bovine ephemeral fever in Australia and Papua-New Guinea. Austral. Vet. J. 53(1):17-28. [*Culex annulirostris*.]
- Tighe, F. G. and Coauthors. 1977. Myxomatosis on the Western Plains of Victoria. J. Hygiene 79(2):209-217.
- Westaway, E. G. and Shew, M. 1977. Proteins and glycoproteins specified by the flavivirus Kunjin. Virology 80(2):309-319.
- Wright, P. J. and Westaway, E. G. 1977. Comparisons of the peptide maps of Kunjin virus proteins smaller than the envelope protein. J. Virology 24(2):662-672.
- Wright, P. J., Bowden, D. S. and Westaway, E. G. 1977. Unique peptide maps of the three

- largest proteins specified by the flavivirus Kunjin. *J. Virology* 24(2):651-661.
- Wulff, H. and Conrad, J. L. 1977. Marburg virus disease. *In Comparative Diagnosis of Viral Diseases Vol. 2:3-33.* (Edited by Kurstak, E. and Kurstak, C.). [*Aedes* and *Anopheles* mentioned.]
- Arboviruses—Dengue*
- Halstead, S. B. and O'Rourke, E. J. 1977. Dengue viruses and mononuclear phagocytes. I. Infection enhancement by non-neutralizing antibody. *J. Expt. Med.* 146(1):201-217.
- Harrison, V. H., Eckels, K. H., Sagartz, J. W. and Russell, P. K. 1977. Virulence and immunogenicity of a temperature-sensitive dengue-2 virus in lower primates. *Infect. and Immunity* 18(1):151-156.
- Kaeuffer, H. and Coauthors. 1976. A controlled epidemic of dengue in French Polynesia. Sero-epidemiological assessment. *Med. Trop. (Marseille)* 36(5):455-459. *In Fr., Engl. Sum.*
- Matsumura, T., Shiraki, K., Sashikata, T. and Hotta, S. 1977. Morphogenesis of dengue-1 virus in cultures of a human leukemic leukocyte line (J-111). *Microbiol. and Immunol.* 21(6):329-334.
- Pavri, K. M., Sheikh, B. H., Ghosh, S. N. and Chodankar, V. P. 1977. Immunoglobulin E in sera of patients of dengue haemorrhagic fever. *Indian J. Med. Res.* 66(4):537-543.
- Sriairatna, S. and Bhamarapravati, N. 1977. Replication of dengue-2 virus in *Aedes albopictus* mosquitoes. An electron microscopic study. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 1):1199-1205.
- Trent, D. W. 1977. Antigenic characterization of flavivirus structural proteins separated by isoelectric focusing. *J. Virology* 22(3):608-618. [Dengue.]
- World Health Organization. 1976. Dengue fever surveillance in some countries of Asia and the south-west Pacific. *Weekly Epidemiol. Record* 51(15):113-116.
- group) in larvae from overwintered eggs of *Aedes triseriatus*. *Mosquito News* 37(4):745-750.
- Scherer, W. F., Dickerman, R. W. and Ordóñez, J. V. 1977. Serologic surveys for antibodies to western, eastern, California, and St. Louis encephalitis and dengue 3 arboviruses in Middle America, 1961-1975. *Pan Amer. Health Organ. Bul.* 11(3):212-223.
- Webb, J. P., Jr., Work, T. H., McAndrews, T. P. and Jacobson, D. 1977. A preliminary comparative study of *Culex tarsalis* and *Culex pipiens quinquefasciatus* from the New River, Imperial Valley, California. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:16-18.
- Arboviruses—Encephalitis—CE, SLE*
- Crane, G. T. and Elbel, R. E. 1976. California encephalitis virus at Blue Lake Tooele County, Utah, Utah Mosquito Abat. Assoc. *Proc.* 29:32-33. [Published in 1977.]
- Goldman, J., Bochna, A. J. and Becker, F. O. 1977. St. Louis encephalitis and subacute thyroiditis. *Ann. Internal Med.* 87(2):250.
- Haney, R. L. 1976. Dangerous link in encephalitis chain. *Texas Agr. Expt. Sta. Texas Agr. Prog.* 22(4)16. [SLE]
- Jozan, M. 1977. Prevalence of antibodies to western equine, St. Louis and California encephalitis viruses in residents of Imperial Valley, California. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:11-15.
- Sauer, C. M. 1977. St. Louis encephalitis: clinical course and response to corticosteroids. *Ill. Med. J.* 151(3):183-186.
- Weeks, R. M., Folland, D. S. and Frank, M. J. 1977. Arboviral encephalitis in Tennessee. *Tenn. Med. Assoc. J.* 70(5):311-314.
- Wiesert, K. N. and Hendrie, H. C. 1977. Secondary mania? A case report. *Amer. J. Psychiatry* 134(8):929-930. [St. Louis encephalitis.]
- Work, T. H. and Coauthors. 1977. St. Louis encephalitis virus transmission in 1976 in the border transect of the New River of Imperial County. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:19-22.

Arboviruses—Encephalitis—EEE, WEE

Arboviruses—Encephalitis

- Emmons, R. W., Grodhaus, G. and Bayer, E. V. 1977. Surveillance for arthropod-borne viruses and disease by the California State Department of Health, 1976. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:23-27.
- Lisitz, M. A., DeFoliart, G. R., Yuill, T. M. and Karandinos, M. G. 1977. Prevalence rates of LaCrosse virus (California encephalitis
- de Siger, J., Mettler, N. and Castaneda, J. 1977. First isolation of eastern encephalomyelitis virus from a horse in Venezuela. *Amer. Assoc. Vet. Lab. Diagn. Proc.* 19:229-236.
- Takehara, M. 1977. Antiviral effects of double-standard RNA from rice dwarf virus on infection of mice with western equine encephalitis virus. *Microbiol. and Immunol.* 21(6):309-315.

Work, T. H. and Coauthors. 1977. Western equine and St. Louis encephalitis viruses in the Finney Lake habitat of repetitive *Culex tarsalis* activity. Calif. Mosquito and Vector Cont. Assoc. Proc. 45:6-10.

Arboviruses—Encephalitis—JE

- Fujisaki, Y. and Coauthors. 1977. Experimental studies on vertical infection of mice with Japanese encephalitis virus. II. Effect of inoculation route on placental and fetal infection. Natl. Inst. Animal Health Quar. (Tokyo) 17(2):39-44.
- Halle, S. and Zebovitz, E. 1977. A spontaneous temperature sensitive mutant of Japanese encephalitis virus: preliminary characterization. Arch. Virology 54(3):165-176.
- Harrington, D. G. and Coauthors. 1977. Intranasal infection of monkeys with Japanese encephalitis virus: clinical response and treatment with a nuclease-resistant derivative of poly (I) • poly (C). Amer. J. Trop. Med. and Hyg. 26(6 pt. 1):1191-1198.
- Ho, W. K. and Shortridge, K. F. 1977. A simple procedure for removing non-specific serum inhibitors of hemagglutination by Japanese encephalitis virus. Jap. J. Med. Sci. and Biol. 30(1):25-29.
- Kelkar, S. D. and Banerjee, K. 1977. Agglutination and detection of Japanese encephalitis virus-infected lymph node cells with conavalin. Acta Virologica 21(5):442.
- Kelkar, S. D. and Banerjee, K. 1977. Mononuclear cells in Japanese encephalitis virus infection: changes in cells counts and specific fluorescence. Acta Virologica 21(5):417-421.
- Kitaoka, M. and Gaidamovich, S. Ya. 1977. Non-infectious antigen for laboratory diagnosis of Japanese encephalitis. Acta Virologica 21(4):326-330.
- Schmaljohn, C. and Blair, C. D. 1977. Persistent infection of cultured mammalian cells by Japanese encephalitis virus. J. Virology 24(2):580-589.

Arboviruses—Encephalitis—VEE

- Burke, D. S., Ramsburg, H. H. and Edelman, R. 1977. Persistence in humans of antibody to subtypes of Venezuelan equine encephalomyelitis (VEE) virus after immunization with attenuated (TC-83) VEE virus vaccine. J. Infect. Dis. 136(3):354-359.
- Hilmas, D. E., Whitmire, R. E. and Dill, G. S., Jr. 1977. Modification of Venezuelan equine

encephalomyelitis virus infection in mice by X radiation. Amer. J. Vet. Res. 38(9):1413-1419.

- Jahrling, P. B., Heisey, G. B. and Hesse, R. A. 1977. Evaluation of vascular clearance as a marker for virulence of alphaviruses: disassociation of rapid clearance with low virulence of Venezuelan encephalitis virus strains in guinea pigs. Infect. and Immunity 17(2):356-360.
- Moore, R. M., Jr. and Coauthors. 1977. Venezuelan equine encephalitis vaccination survey in Arizona and New Mexico, 1972. Pub. Health Rpts. 92(4):357-360.
- Walder, R. and Suárez, O. M. 1976. Studies of arboviruses in southwestern Venezuela: I. Isolations of Venezuelan and eastern equine encephalitis viruses from sentinel hamsters in the Catatumbo region. Internat. J. Epidemiol. 5(4):375-384.

Arboviruses—Semliki Forest

- Fleming, P. 1977. Age-dependent and strain-related differences of virulence of Semliki Forest virus in mice. J. General Virol. 37(1):93-105.
- Gaidamovich, S. Ya., Melnikova, E. E. and Krasnobaeva, Z. N. 1977. Simple method for preparation of immune sera to envelope and nucleocapsid antigens of Semliki Forest virus. Acta Virologica 21(4):347-348.
- Miller, K. D., Miller, G. G., Sanders, M. and Fellowes, O. N. 1977. Inhibition of virus-induced plaque formation by atoxic derivatives of purified cobra neurotoxins. Biochimica et Biophysica Acta 496(1):192-196. [Semliki Forest virus.]
- Kennedy, S. I. T., Brzeski, H. and Clegg, J. S. C. 1976. Synthesis of the polymerase polypeptides of Semliki Forest virus. In Animal Virology (edited by Baltimore, D., Huang, A. S. and Fox, C. F.). pp. 677-688.
- Tan, K. B. and McAuslan, B. R. 1977. Effect of streptovaricin on the incorporation of uridine into cellular and viral RNA. Chemo-Biol. Interact. 16(3):347-357. [Semliki Forest virus.]

Arboviruses—Sindbis

- Danilenko, G. I. and Coauthors. 1976. Synthesis and the action of adamantane derivatives on the Sindbis virus. Farmatsevtichnyi Zhur. 31(5):36-40. In Ukr., Engl. Sum.
- Diky, V. V., Petkevich, A. S., Leonteva, N. A. and Galegov, G. A. 1976. Effect of rimantadine on the synthesis of virus-specific RNA

- in the culture of cells infected with Sindbis virus. *Voprosy Med. Khimii* 22(6):844-848. In Rus., Engl. Sum.
- Igarashi, A., Koo, R. and Stollar, V. 1977. Evolution and properties of *Aedes albopictus* cell cultures persistently infected with Sindbis virus. *Virology* 83(1):69-83.
- Karymysheva, V. Ya. and Coauthors. 1977. Cellular immune lysis patterns in viral infection. *Akad. Med. Nauk. SSSR Vest. No. 5*:59-64. In Rus., Engl. Sum.
- McCarthy, M. and Harrison, S. C. 1977. Glycosidase susceptibility: a probe for the distribution of glycoprotein oligosaccharides in Sindbis virus. *J. Virology* 23(1):61-73.
- Riedel, B. and Brown, D. T. 1977. Role of extracellular virus in the maintenance of the persistent infection induced in *Aedes albopictus* (mosquito) cells by Sindbis virus. *J. Virology* 23(3):554-561.
- Sarver, N. and Stollar, V. 1977. Sindbis virus-induced cytopathic effect in clones of *Aedes albopictus* (Singh) cells. *Virology* 80(2):390-400.
- Schluter, B., Vosdingh, R. and Brown, A. 1977. Pathogenesis of temperature-sensitive mutants of Sindbis virus in the embryonated egg. III. Autologous, homologous, and heterologous interference. *J. Infect. Dis.* 136(1):7-16.
- Schupham, R. K., Jones, K. J., Sagik, B. P. and Bose, H. R., Jr. 1977. Virus-directed post-translational cleavage in Sindbis virus-infected cells. *J. Virology* 22(2):568-571.
- Strauss, E. G. and Coauthors. 1977. Mutants of Sindbis virus. II. Characterization of a maturation-defective mutant, ts103. *Virology* 82(1):122-149.
- Arboviruses—West Nile*
- Levanon, A., Kohn, A. and Inbar, M. 1977. Increase in lipid fluidity of cellular membranes induced by adsorption of RNA and DNA virions. *J. Virology* 22(2):353-360.
- Meco, O. 1977. West Nile arbovirus antibodies with hemagglutination inhibition (HI) in residents of Southeast Anatolia. *Mikrobiyol. Bul.* 11(1):3-17. In Tur.
- Odelola, H. A. and Fabiyi, A. 1976. Antigenic analysis of Nigerian strains of West Nile virus by neutralization test. *Nigerian Med. J.* 6(2):131-134.
- Odelola, H. A. and Oduye, O. O. 1977. West Nile virus infection of adult mice by oral route. Brief report. *Arch. Virology* 54(3):251-253.
- Wietzerbin, J., Falcoff, R., Catinot, L. and Falcoff, E. 1977. Affinity chromatographic analysis of murine interferons induced by viruses and by T and B cell stimulants. *Ann. d'Immunol. Paris* 128C(3):699-708. [West Nile.]
- Arboviruses—Yellow Fever*
- Burfoot, C., Young, P. A. and Finter, N. B. 1977. The thermal stability of a stabilized 17D yellow fever virus vaccine. *J. Biological Standardization* 5(3):173-179.
- Cordellier, R., Germain, M., Hervy, J. P. and Mouchet, J. 1977. Practical guide for the study of vectors of yellow fever in Africa and methods of their control. Documentations Techniques O.R.S.T.O.M. No. 33, 114 pp. In Fr.
- Cordellier, R., Germain, M. and Mouchet, J. 1976. Epidemiology of yellow fever in Africa. *Méd. Trop. (Marseille)* 36(5):445-450. In Fr., Engl. Sum.
- Freestone, D. S., Ferris, R. D., Weinberg, A. L. and Kelly, A. 1977. Stabilized 17D strain yellow fever vaccine: dose response studies, clinical reactions and effects on hepatic function. *J. Biological Standardization* 5(3):181-186.
- Holley, H. L. 1977. A century and a half of the history of the life sciences in Alabama. Yellow fever causes panic in Mobile. *Ala. J. Med. Sci.* 14(3):293-294.
- Raymond, H. L., Cornet, M. and Dieng, P. Y. 1976. Studies of yellow fever virus selvatic vectors. Provisional inventory of larval breeding places in a forest gallery of the endemic focus of Senegal Oriental. *Ent. Méd. et Parasitol. Cah.* 14(4):301-306. In Fr., Engl. sum.
- Rickenbach, A. and Button, J. P. 1977. Domestic potential vectors of yellow fever in Cameroon. *Ent. Méd. Parasitol. Cah.* 15(1):93-103. In Fr., Engl. Sum.
- Stephen, E. L. and Coauthors. 1977. Effect of a nuclease-resistant derivative of polyriboinosinic-polyribocytidylic acid complex on yellow fever in Rhesus monkeys (*Macaca mulatta*). *J. Infect. Dis.* 136(1):122-126.
- World Health Organization. 1976. Yellow fever in 1975. *Weekly Epidemiol. Record* 51(39):301-305.
- FILARIASIS
- Aikat, T. K. and Das, M. 1977. A modified statistical method for analysis of periodicity of microfilaria. *Indian J. Med. Res.* 65(1):58-64. [*W. bancrofti*.]

- Ambroise-Thomas, P., Picot, H. and Maddio, B. 1976. Étude séro-épidémiologique sur la filariose de Bancroft à la Reunion. *Méd. Trop. (Marseille)* 36(6):547-555. Engl. Sum.
- Bosworth, W., Ewert, A. and Flores, A. E. 1977. Antistreptolysin O titers of cats infected with *Brugia malayi* and with streptococci. *Southeast Asian J. Trop. Med. and Pub. Health* 8(2):255-259.
- Bregues, J. 1976. La filariose de Bancroft en Afrique de l'Ouest. *Méd. Trop. (Marseille)* 36(6):537-544. Engl. Sum.
- Brunhes, J. 1976. La filariose de Bancroft dans la sous-région Malgache. *Méd. Trop. (Marseille)* 36(6):531-535. Engl. Sum.
- Caprioglio, A. 1976. Parasitic pseudotumors due to filaroid nematodes. *Arch. per le Sci. Med. (Torino)* 133(4):403-410. In Ital., Engl. Sum.
- Carayon, A. 1976. Orientations actuelles du traitement des localisations genitales et retroperitoneales de la filariose lymphatique. *Med. Trop. (Marseille)* 36(6):606-613. Engl. Sum.
- Carayon, A. and Coauthors. 1976. Apport de la lymphographie dans la filariose lymphatique. *Med. Trop. (Marseille)* 36(6):557-573. Engl. Sum.
- Carayon, A., Courbil, L. J. and Blin, F. 1976. Localisations genitales et retroperitoneales de la filariose lymphatique. *Med. Trop. (Marseille)* 36(6):591-605. Engl. Sum.
- Carayon, A., Heut, R., Fouque, M. and Pons, R. 1976. Chylurie filarienne. *Med. Trop. (Marseille)* 36(6):615-629. Engl. Sum.
- Carayon, A., Maistre, B., Colomar, R. and Peyrot, J. 1976. Localisations abdominales de la filariose lymphatique. *Med. Trop. (Marseille)* 36(6):581-590. Engl. Sum.
- Carney, W. P., Masri, S., Stafford, E. E. and Putrali, J. 1977. Intestinal and blood parasites in the North Lore District, central Sulawesi, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 8(2):165-172. [Includes *Plasmodium* and *Brugia malayi*.]
- Guptavani, P. and Harinasuta, C. 1977. The periodicity of *Brugia malayi* in South Thailand. *Southeast Asian J. Trop. Med. and Pub. Health* 8(2):185-189.
- Harinasuta, C. and Sucharit, S. 1977. Observation on the reduction of the prevalence of Malayan filariasis in Chumphon Province of South Thailand. *Southeast Asian J. Trop. Med. and Pub. Health* 8(2):179-184.
- Hawking, F. 1977. The distribution of human filariasis throughout the world. Part III. Africa. *Trop. Dis. Bul.* 74(8):649-679.
- Hira, P. R. 1976. Bancroftian filariasis: an autochthonous case in Zambia. *Med. J. Zambia* 10(6):160-164.
- Kaeuffer, H., Pichon, G., Carme, B. and Merlin, M. 1976. Evolution of filarial haemagglutinating antibodies one year after a single dose of diethylcarbamazine. *Soc. de Path. Exot. Bul.* 69(4):342-347. In Fr., Engl. Sum. [*W. bancrofti*.]
- Khalil, H. M., Rifaat, M. A., Sadek, S. and Gad, A. M. 1975. Effect of the sublethal concentrations of the insecticides DDT, Abate and Sevin on the filaria cycle in *Culex pipiens molestus*. *Egypt. Pub. Health Assoc. J.* 50(5):309-318.
- Kozek, W. J. 1977. Transovarially-transmitted intracellular microorganisms in adult and larval stages of *Brugia malayi*. *J. Parasitol.* 63(6):992-1000.
- Kurihara, T., Ikemoto, T. and Eshita, Y. 1977. A brief survey of mosquito vectors of bancroftian filariasis in Bicol region, The Philippines. *Mosquito News* 37(4):770-772.
- Lagraulet, J. 1976. Épidémiologie des filarioses lymphatiques. *Méd. Trop. (Marseille)* 36(6):521-529. Engl. Sum.
- Macdonald, W. W. 1976. Mosquito genetics in relation to filarial infections. In *Symposia of the British Society for Parasitology Vol. 14:1-24* (edited by A. E. R. Taylor and R. Muller).
- Mahfudin, H., Partono, F., Purnomo and Idris, K. N. 1977. Parasitological and clinical survey of Bancroftian filariasis in Kepu District, central Jakarta, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 8(2):173-178.
- Mak, J. W. and Coauthors. 1977. Filariasis in Perlis, Peninsular Malaysia. *Med. J. of Malaysia* 31(3):198-203.
- Masuya, T. 1976. Studies on the mechanism of the filarial periodicity. The autofluorescence in the microfilariae and their periodicity. *Jap. J. Parasitol.* 25(4):283-313. [*Brugia*, *Diofilaria*, *Wuchereria*.]
- Merlin, M., Carme, B., Kaeuffer, H. and Laigret, J. 1976. Activity of levanisole (Solaskil) in lymphatic filariasis caused by *Wuchereria bancrofti* (variety *pacifica*). *Soc. de Path. Exot. Bul.* 69(3):257-265. In Fr., Engl. Sum.
- Merlin, M., Riviere, F., Kaeuffer, H. and Laigret, J. 1976. 25 ans de campagnes de masse antifilariennes en Polynésie française. *Méd. Trop. (Marseille)* 36(6):631-640. Engl. Sum.
- Obiamiwe, B. A. 1977. Relationship between microfilarial density, the number of microfilariae ingested by mosquitoes and the proportion of mosquitoes with larvae. *Ann. Trop. Med. and Parasitol.* 71(4):491-500. [*Brugia pahangi* and *Wuchereria bancrofti*.]

- Obiame, B. A. 1977. Susceptibility to *Brugia pahangi* of geographical strains of *Culex pipiens fatigans*. Ann. Trop. Med. and Parasitol. 71(3):367-377.
- Obiame, B. A. 1977. The influence of the gene *sb* in *Culex pipiens* on the development of sub-periodic *Brugia malayi* and *Wuchereria bancrofti*. Ann. Trop. Med. and Parasitol. 71(4):487-490.
- Partono, F., Dennis, D. T., Purnomo and Atmosoedjono, S. 1977. *Brugia timori*: experimental infection in some laboratory animals. Southeast Asian J. Trop. Med. and Pub. Health 8(2):155-157.
- Partono, F. and Idris, K. N. 1977. Some factors influencing the loss of microfilariae from stained thick blood films. Southeast Asian J. Trop. Med. and Pub. Health 8(2):158-164. [*W. bancrofti* and *B. timori*.]
- Portaro, J. K., Kowalski, J. C. and Ash, L. R. 1977. *Brugia pahangi*: effects of age and filarial infection on jird (*Meriones unguiculatus*) lymphocyte function. Expt. Parasitol. 43(1):122-127.
- Prasad, S. 1976. Filariasis penis. Brit. J. Urol. 48(6):426.
- Purnomo, Dennis, D. T. and Partono, F. 1977. The microfilaria of *Brugia timori* (Partono et al. 1977 = Timor microfilaria, David and Edeson, 1964): morphologic description with comparison to *Brugia malayi* of Indonesia. J. Parasitol. 63(6):1001-1006.
- Raccurt, C. and Hodges, W. 1977. Filariasis due to *Wuchereria bancrofti* in Haiti. Roy. Soc. Trop. Med. and Hyg. Trans. 71(5):452-453.
- Rajagopalan, P. K., Kazmi, S. J. and Mani, T. R. 1977. Some aspects of transmission of *Wuchereria bancrofti* and ecology of the vector *Culex pipiens fatigans* in Pondicherry. Indian J. Med. Res. 66(2):200-215.
- Rodhain, F. and Rodhain-Rebourg, F. 1976. Distribution géographique actuelle de la filariose lymphatique. 6. Asie du Nord-Est et Pacifique Occidental. Med. et Maladies Infectieuses 6(12):506-513. Engl. Sum.
- Savitt, T. L. 1977. Filariasis in the United States. J. Hist. Med. 32(2):140-150.
- Tournier-Lasserre, C. 1976. Place des filarioses lymphatiques dans les atteintes articulaires liées aux filarioses. Med. Trop. (Marseille) 36(6):575-579. Engl. Sum.
- Webber, R. H. 1977. The natural decline of *Wuchereria bancrofti* infection in a vector control situation in the Solomon Islands. Roy. Soc. Trop. Med. and Hyg. Trans. 71(5):396-400.
- Weinstock, H. and Coauthors. 1977. Bancroftian filariasis in Puerto Limón, Costa Rica. Amer. J. Trop. Med. and Hyg. 26(6 pt. 1):1148-1152.
- Wijers, D. J. B. 1977. Bancroftian filariasis in Kenya. I. Prevalence survey among adult males in the Coast Province. Ann. Trop. Med. and Parasitol. 71(3):313-331.
- Wijers, D. J. B. 1977. Bancroftian filariasis in Kenya. IV. Disease distribution and transmission dynamics. Ann. Trop. Med. and Parasitol. 71(4):451-463.
- Wijers, D. J. B. and Kilu, G. 1977. Bancroftian filariasis in Kenya. III. Entomological investigations in Mamburi, a small coastal town, and Jaribuni, a rural area more inland (Coast Province). Ann. Trop. Med. and Parasitol. 71(3):347-359.
- Wijers, D. J. B. and Kinyanjui, H. 1977. Bancroftian filariasis in Kenya. II. Clinical and parasitological investigations in Mamburi, a small coastal town, and Jaribuni, a rural area more inland (Coast Province). Ann. Trop. Med. and Parasitol. 71(3):333-345.
- Wong, M. M., Guest, M. F., Lim, K. C. and Sivanandam, S. 1977. Experimental *Brugia malayi* infections in the rhesus monkey. Southeast Asian J. Trop. Med. and Pub. Health 8(2):265-273.
- Zielke, E. 1976. Studies on mechanism of transmission of *Wuchereria bancrofti* by *Anopheles gambiae*. Z. Angew. Ent. 82(1):45-49.

Filariasis—*Dirofilaria*

- Diallo, S., Sarr, M., Diagne, S. and Konate, L. 1977. Filariasis in the Nianing region, Senegal. Prevalence, clinical aspects, entomological findings. Méd. d'Afr. Noire 24 (4):233-242. In Fr. [*Dirofilaria immitis*.]
- Dissanaike, A. S. and Coauthors. 1977. Filaria in the vitreous of the eye of man in Peninsular Malaysia. Amer. J. Trop. Med. and Hyg. 26(6 pt. 1):1143-1147. [*Dirofilaria immitis*—tentative identification.]
- Eberhard, M. L., Daly, J. J., Weinstein, S. and Farris, H. E. 1977. *Dirofilaria immitis* from the eye of a dog in Arkansas. J. Parasitol. 63(6):978.
- Euzeby, J. 1977. Une zoonose méconnue: la dirofilariose humaine à *Dirofilaria immitis*. Acad. Natl. Med. Bul. (Paris) 161(1):48-52.
- Kaeuffer, H., Carme, B. and Laigret, J. 1976. Significance of passive hemagglutination and its prospectives in lymphatic filariasis. Soc. de Path. Exot. Bul. 69(3):244-257. In Fr., Engl. Sum. [*Dirofilaria immitis*.]
- Klein, J. B. and Stoddard, E. D. 1977. *Dirofilaria immitis* recovered from a horse. Amer. Vet. Med. Assoc. J. 171(4):354-355.

Rawlings, C. A., Losonsky, J. M. and Lewis, R. E. 1977. Susceptibility of dogs with heartworm disease to hypoxia. *Amer. J. Vet. Res.* 38(9):1365-1369.

MALARIA

- Barnwell, J. W. and Desowitz, R. S. 1977. Studies on parasitic crisis in malaria: I. Signs of impending crisis in *Plasmodium berghei* infections of the white rat. *Ann. Trop. Med. and Parasitol.* 71(4):429-433.
- Billier, H., Moll, A. and Wandt, H. 1976. Unusual infectious diseases in a municipal hospital Münch Med. Wochenschr. 118(45):1457-1460. In Ger., Engl. Sum. [Malaria included.]
- Black, R. H. 1974. Malaria in Australia 1973 and a review of the period 1969-1973. *Modern Med. Australia* 17(24):11-23.
- Bounameux, Y. 1977. Clinical aspects of malaria. *Schweiz. Med. Wochenschr.* 107(18):638-639. In Fr.
- Bradbury, A. J. 1977. Congenital malaria in one non-identical twin. *Brit. Med. J.* 6087:613.
- Bradley, A. K., Gilles, H. M. and Shehu, U. 1977. Malumfashi Endemic Diseases Research Project, I. Some ecological and demographic considerations. *Ann. Trop. Med. and Parasitol.* 71(4):443-449. [Malaria included.]
- Bruce-Chwatt, L. J. 1977. John Macculloch, M. D., F. R. S. (1773-1835). The precursor of the discipline of malariology. *Med. Hist.* 21(2):156-165.
- Comins, H. N. 1977. A teaching model of decision-making in malaria control. *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):383-384.
- Cornille-Brøgger, R. and Coauthors. 1977. Longitudinal serological study of malaria in the rural West African Sudan savanna, in relation to the application of control measures. V. Follow-up after the period of malaria control. *WHO/MAL/77.890*, 23 pp.
- Degrémont, A. 1977. Biological diagnosis of malaria and amebiasis. *Schweiz. Med. Wochenschr.* 107(18):641-642. In Fr.
- Dianzumba, S. B. 1977. Where have you come from? *Ann. Internal Med.* 86(6):832-833. [Malaria.]
- Durrant, W. 1977. Catatonia after malaria. *Brit. Med. J.* 6091:893.
- Eykin, S. J. and Braimbridge, M. V. 1977. Open heart surgery complicated by post-operative malaria. *Lancet* 8034:411-412.
- Greenwood, B. M., Oduloju, A. J. and Stratton, D. 1977. Lymphocyte changes in acute malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):408-410.
- Hässig, B. 1977. Epidemiology of amebiasis and of tropical malaria. *Schweiz. Med. Wochenschr.* 107(18):635-638. In Ger.
- Huchzermeyer, F. W. 1976. Further observations on an outbreak of malaria in turkeys. *Rhodesian Vet. J.* 7(3):52-57. [*Plasmodium durae*.]
- Johnson, R. C., DeFord, J. W. and Carlton, P. K. 1977. Pancreatitis complicating falciparum malaria. *Postgrad. Med.* 61(6):181, 183.
- Karimi, R. 1977. Unexplained cases of malaria. *Med. J. Australia* 1(18):675.
- Kozminska, A., Owczarek, L. and Zwodziak, L. 1976. Cutaneous lesions in the course of severe malaria due to *Plasmodium falciparum*. *Afr. Méd.* 15(138):193-194. In Fr.
- Lyster, A. 1976. Nursing care study: malaria. *Nursing Times* 72(46):1796-1799.
- Ossi, G. T. 1976. Malaria in Iraq 1974-1975. *Bul. Endemic Dis.* 17(1-4):37-45.
- Panday, R. S. 1977. *Anopheles nuneztovari* and malaria transmission in Surinam. *Mosquito News* 37(4):728-737.
- Poindexter, H. A. 1976. Human malaria. *Natl. Med. Assoc. J.* 68(6):530-533.
- Rao, N. R. and Coauthors. 1976. Transmission dynamics of malaria. Part-III—Quantitative studies—a computer simulation approach to measurement. *J. Commun. Dis.* 8(4):246-254.
- Rebello, L. M. and Verma, S. P. 1977. The basic health worker and his recipient group—a diagnostic study for health education in malaria. *Social Sci. and Med.* 11(1):43-53.
- Ree, G. H. 1977. Malaria. *Nursing Times* 73(22):826-829.
- Reilly, P. C., Jr., Reilly, M. C., Catino, J. and Catino, D. 1977. High-risk travel and malaria. *New England J. Med.* 296(26):1536.
- Sandosham, A. A. 1977. Malaria in South-east Asia. *Med. J. of Malaysia* 31(3):176-179.
- Sauerwein, H. P. 1977. A patient with high fever. *Ned Tijdschr. v. Geneesk.* 121(22):908-912. In Dut. [Malaria.]
- Schelp, F. P. and Coauthors. 1977. Alterations of human serum proteins and other biochemical parameters after five to ten days of untreated acute falciparum malaria. *Tropenmed. u. Parasitol.* 28(3):319-322.
- Sitprija, V., Vongsthongsi, M., Poshychinda, V. and Arthachinta, S. 1977. Renal failure in malaria: a pathophysiologic study. *Nephron* 18(5):277-287.
- Stamm, W. P. 1977. Must they die? *Brit. Med. J.* 6072:1347. [Malaria.]
- Voller, A., Bidwell, D. E., Bartlett, A. and Ed-

- wards, R. 1977. A comparison of isotopic and enzyme-immunoassays for tropical parasitic diseases. *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):431-437. [Malaria included.]
- World Health Organization. 1977. Information on the world malaria situation. January-December 1975. *Weekly Epidemiol. Record* 52(3):21-34; (5):47-51; (7):66-73.
- Young, M. D., Nayar, J. K. and Forrester, D. J. 1977. Mosquito transmission of wild turkey malaria, *Plasmodium hermani*. *J. Wildlife Dis.* 13(2):168-169.
- Ziessman, H. A. 1976. Lung uptake of 99mTc-sulfur colloid in falciparum malaria: case report. *J. Nuclear Med.* 17(9):794-796.
- Malaria—Cerebral*
- Oudart, J. L., Diop Mar. I., Sow, A., and Garre, M. T. 1976. Fluorescent antibodies in the cerebrospinal fluid and serum of patients suspected of cerebral malaria caused by *Plasmodium falciparum*. *Soc. de Path. Exot. Bul.* 69(3):224-231. In Fr.
- Malaria Control and Eradication*
- Artemiev, M. M., Anufrieva, V. N., Zharov, A., A. and Flerova, O. A. 1977. The problem of malaria and malaria control in northern Afghanistan. Communication 3. *Anopheles* mosquitoes in rice-growing areas of northeastern Afghanistan. *Med. Parazit. i Parazit. Bolezni* 46(4):406-413. In Rus., Engl. Sum.
- Saliternik, Z. 1977. Deviations from WHO concepts in the Israeli malaria eradication campaign of 1960-1966. *Harefuah* 92(9):418-421. In Heb., Engl. Sum.
- Smith, E. A. 1977. Malaria control: pesticides versus the comprehensive approach. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:1-5.
- Malaria—Immunology*
- Allison, A. C. and Clark, I. A. 1977. Specific and non-specific immunity to haemoprotozoa. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 2):216-222. [*Plasmodium* included.]
- Brown, I. N., Watson, S. R. and Sljivic, V. S. 1977. Antibody response in vitro of spleen cells from *Plasmodium yoelii*-infected mice. *Infect. and Immunity* 16(2):456-460.
- Cohen, S. and Coauthors. 1977. Acquired immunity and vaccination in malaria. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 2):223-232.
- Collins, W. E., Cedillos, R. A. and Warren, M. 1977. The seroepidemiology of malaria in Middle America. IV. Passage of malaria antibodies from mothers and infants. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 1):1105-1107.
- Druihhe, P., Lessco, G., Monjour, L. and Gentilini, M. 1977. Value of enzyme-labelled antiglobulins in immunologic precipitation reactions. Application to the serology of malaria using immunoelectrodiffusion. *Nouv. Presse Med.* 6(8):660-661. In Fr.
- Eling, W. and Jerusalem, C. 1977. Active immunization against the malaria parasite *Plasmodium berghei* in mice. The immunizing inoculum. *Tropenmed. u. Parasitol.* 28(3):293-301.
- Ghose, A. C. and Chowdhury, A. B. 1977. Immunoglobulin studies in malaria and kala-azar infections. *Indian J. Med. Res.* 66(4):566-569.
- Golenser, J. and Coauthors. 1977. Crossreactivity with sporozoites, exoerythrocytic forms and blood schizonts of *Plasmodium berghei* in indirect fluorescent antibody tests with sera of rats immunized with sporozoites or infected blood. *Clin. and Expt. Immunol.* 29(1):43-51.
- Houba, V. 1977. Immunopathology mechanisms in protozoal infections. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 2):233-239. [Malaria included.]
- Jayawardena, A. N. and Coauthors. 1977. The immunological response of CBA mice to *P. yoelii*. I. General characteristics, the effects of T-cell deprivation and reconstitution with thymus grafts. *Immunology* 32(6):849-859.
- Kreier, J. P. 1976. Immunity of rodents to malaria. *Vet. Parasitol.* 2(1):121-142.
- Neva, F. A. 1977. Looking back for a view of the future: observations on immunity to induced malaria. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 2):211-215.
- Mitchell, G. H., Butcher, G. A., Richards, W.H.G. and Cohen, S. 1977. Merozoite vaccination of douroucouli monkeys against falciparum malaria. *Lancet* 8026:1335-1338.
- Playfair, J. H. L., De Souza, J. B. and Cottrell, B. J. 1977. Protection of mice against malaria by a killed vaccine: differences in effectiveness against *P. yoelii* and *P. berghei*. *Immunology* 33(4):507-515.
- Saul, K. W. and Kreier, J. P. 1977. *Plasmodium berghei*: immunization of rats with antigens from a population of free parasites rich in merozoites. *Tropenmed. u. Parasitol.* 28(3):302-318.
- Wedderburn, N. and Dracott, B. N. 1977. The immune response to type III pneumococcal polysaccharide in mice with malaria. *Clin. and Expt. Immunol.* 28(1):130-137.

Malaria—Parasites

- Cottrell, B. J., Playfair, J. H. L. and De Sousa, B. 1977. *Plasmodium yoelli* and *Plasmodium vinckei*: the effects of nonspecific immunostimulation on murine malaria. Expt. Parasitol. 43(1):45–53.
- Garnham, P. C. C. 1977. A new malaria parasite of pigeons and ducks from Venezuela. *Protistologica* 13(1):113–125. [*Plasmodium gabaldoni* n. sp.]
- Jensen, J. B. and Trager, W. 1977. *Plasmodium falciparum* in culture: use of outdated erythrocytes and description of the candle jar method. *J. Parasitol.* 63(5):883–886.
- McGhee, R. B., Singh, S. D. and Lushbaugh, W. B. 1977. *Plasmodium gallinaceum*: changing virulence patterns of malaria parasites during adaptation from neonate chick to chicken embryos. Expt. Parasitol. 43(1):220–230.
- McGhee, R. B., Singh, S. D. and Weathersby, A. B. 1977. *Plasmodium gallinaceum*: vaccination in chickens. Expt. Parasitol. 43(1):231–238.
- Miller, L. H., McAuliffe, F. M. and Mason, S. J. 1977. Erythrocyte receptors for malaria merozoites. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 2):204–208.
- Poels, L. G. and Coauthors. 1977. *Plasmodium berghei*: formation of secondary immune complexes in hyperimmune mice. Expt. Parasitol. 43(1):255–267.
- Roy, R. G., Chakrapani, K. P. and Zacharias, J. 1977. *Plasmodium malariae* in Kerala and Tamilnadu States of India (1960–75). *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):447.
- Schrövel, J., Asfaux-Foucher, G. and Bafort, J. M. 1977. Ultrastructural study of multiple mitoses during sporogony of *Plasmodium b. berghei*. *J. Ultrastruct. Res.* 59(3):332–350. In Fr., Engl. Sum.
- Sinden, R. E. and Smalley, M. E. 1977. The ingestion of gametocytes of *Plasmodium falciparum* by leucocytes in the bloodmeal of the mosquito. *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):381–382.
- Smith, C. C., McCormick, G. J. and Canfield, C. J. 1977. *Plasmodium knowlesi*: in vitro biosynthesis of mithionine and thymidylic acid. Expt. Parasitol. 43(1):248–254.
- Tanabe, K., Waki, S., Takada, S. and Suzuki, M. 1977. *Plasmodium berghei*: suppressed response of antibody-forming cells in infected micel Expt. Parasitol. 43(1):143–152.
- Toye, P. J., Sinden, R. E. and Canning, E. U. 1977. The action of metabolic inhibitors on microgametogenesis in *Plasmodium yoelli nigeriensis*. *Z. f. Parasitenkunde* 53(2):133–141.
- Thomas, V. and Leng, Y. P. 1977. Indirect fluorescent antibody tests for *Plasmodium falciparum* infections. *Med. J. of Malaysia* 31(3):204–207.
- Weiss, M. M. and Vanderberg, J. P. 1977. Studies of *Plasmodium ookinetes*: II. *In vitro* formation of *Plasmodium berghei* ookinetes. *J. Parasitol.* 63(5):932–934.

Malaria—Therapeutic and Antimalarials

- Clarke, A. K., Meyrick, R. L., Lessing, J. B. and Copperman, I. J. 1977. Chloroquine toxicity due to long-term Elestol for osteoarthritis. *Brit. Med. J.* 6088:674–675.
- Diallo, S., Coulibaly, A., Konate, M. and Samba, O. 1977. Chloroquine prophylaxis and the prevalence of malaria. *Méd. d'Afr. Noire* 24(2):117–125. In Fr.
- Djudovic, P. and Coauthors. 1976. Synthesis of quinoline-3- and quinoxaline-2-derivatives and their actions against various malarial parasites. *Pharmazie* 31(12):845–849. In Ger.
- Fernex, M. 1977. Prevention and therapy of malaria and amebiasis. *Schweiz. Med. Wochenschr.* 107(18):643–644. In Ger.
- Grindel, J. M., Tilton, P. F. and Schaffer, R. D. 1977. Quantitation of the antimalarial agent, mefloquine, in blood, plasma, and urine using high-pressure liquid chromatography. *J. Pharmaceut. Sci.* 66(6):834–837.
- Hall, A. P. 1977. The treatment of severe falciparum malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):367–379.
- Johnson, F. A. 1977. Chemoprophylaxis of malaria. *Brit. Med. J.* 6075:1535.
- Knüttgen, H. J. 1976. Chemotherapy of acute malaria attacks in patients returning from tropical and subtropical countries. *Immunitaet u. Infekt.* 4(4):149–155. In Ger., Engl. Sum.
- Olatunde, A. 1977. The practical and therapeutic implications of chloroquine-induced itching in tropical Africa. *Afr. J. Medicine and Med. Sci.* 6(1):27–32.
- Pearlman, E. J., Lampe, R. M., Thiemanun, W. and Kennedy, R. S. 1977. Chemosuppressive field trials in Thailand. III. The suppression of *Plasmodium falciparum* and *Plasmodium vivax* parasitemias by a sulfadoxine-pyrimethamine combination. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 1):1108–1115.
- Peters, W. and Coauthors. 1977. The chemotherapy of rodent malaria, XXVII. Studies on mefloquine (WR 142,490). *Ann. Trop. Med. and Parasitol.* 71(4):407–418.

- Schmidt, L. H., Alexander, S., Allen, L. and Rasco, J. 1977. Comparison of the curative antimalarial activities and toxicities of primaquine and its d and l isomers. *Antimicrob. Agents and Chemother.* 12(1):51-60.
- Schmidt, L. H., Fradkin, R., Vaughan, D. and Rasco, J. 1977. Radical cure of infections with *Plasmodium cynomolgi*: a function of total 8-aminoquinoline dose. *Amer. J. Trop. Med. and Hyg.* 26(6 pt. 1):1116-1128.
- Warhurst, D.C. 1977. Chloroquine-erythromycin potentiation in *P. berghei*. *Ann. Trop. Med. and Parasitol.* 71(3):383.
- Malaria—Antimalarials—Resistance*
- Duursma, S. A. 1977. Chloroquine resistant tropical malaria imported from Surinam. *Ned. Tijdschr. v. Geneesk.* 121(24):986-987. In Dut., Engl. Sum.
- Grimmond, T. R., Donovan, K. O. and Riley, I. D. 1976. Chloroquine resistant malaria in Papua New Guinea. *Papua New Guinea Med. J.* 19(3):184-185.
- Han, C. M. and Grimmond, T. R. 1976. Chloroquine resistance trials in Papua New Guinea. 1. Maprik and Popondetta areas. *Papua New Guinea Med. J.* 19(4):236-242.
- Peters, W., Portus, J. and Robinson, B. L. 1977. The chemotherapy of rodent malaria, XXVIII. The development of resistance to mefloquine (WR 142,490). *Ann. Trop. Med. and Parasitol.* 71(4):419-427.
- Sucharit, P. and Coauthors. 1977. *In vivo* and *in vitro* studies of chloroquine-resistant malaria in Thailand. *Ann. Trop. Med. and Parasitol.* 71(4):401-405.
- Malaria—Transfusion*
- Ambroise-Thomas, P. 1976. Prevention of post-transfusional malaria by sero-detection of latent *Plasmodium* carriers among blood donors. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):331-336. In Fr., Engl. Sum.
- Andrianjafy, M., Thuillier, M. and Gandrille, M. C. 1976. Case report. Presumption of transfusion malaria. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(4):603-604. In Fr.
- Besson, P. and Coauthors. 1976. Two cases of transfusional malaria. Attempted prevention combining an indirect immunofluorescence test with clinical selection criteria. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):369-373. Engl. Sum., In Fr.
- Chataing, B. 1976. Clinical symptoms of transfusional malaria. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):327-330. In Fr., Engl. Sum.
- Courtois, F., Farragi, M., Richard-Lenoble, D. and Gentilini, M. 1976. Trial routine detections of malaria. Experimentation of 1,500 blood donors. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):357-361. In Fr., Engl. Sum.
- Faugere, B. and Ranque, J. 1976. Trial serologic detection of *Plasmodium* carriers among blood donors of the Centre de Transfusion Sanguine de Marseille. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):349-355. In Fr., Engl. Sum.
- Gentilini, M., Richard-Lenoble, D., Reviron, J. and Farragi, M. 1976. Transfusional serology of malaria by an indirect immunofluorescence test using the *Plasmodium berghei* antigen. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):363-367. In Fr., Engl. Sum.
- Ranque, J. 1976. Post-transfusional malaria in France. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):315-325. In Fr., Engl. Sum.
- Saleun, J. P., Baret, M. and Dauriac, J. 1976. Results of a survey on post-transfusional malaria in France between 1960 and 1974. *Revue Francaise de Transfusion et Immuno-Hematologie* 19(2):337-347. In Fr., Engl. Sum.
- Malaria—Vectors*
- Aufrieva, V. N., Koshelev, B. A. and Markin, Yu. I. 1977. Confirmation of the role of *Anopheles hyrcanus* Pall., 1771 and *An. pulcherrimus* Theo., 1902 in the spread of tertian malaria in rice-growing areas of northeastern Afghanistan. *Med. Parazit. i Parazit. Bolezni* 46(4):414-416. In Rus., Engl. Sum.
- See also De Meillon et al. in Taxonomy Section.
- EXPERIMENTAL HOSTS OR VECTORS
- Musoke, A. J., Cox, H. W. and Williams, J. F. 1977. Experimental infection with *Plasmodium chabaudi* in rats: antigen and antibody associated with anemia and glomerulonephritis of acute infection. *J. Parasitol.* 63(6):1081-1088.
- Urdaneta-Morales, S. and de Alvarado, E. 1975. El ciclo evolutivo del *Trypanosoma* (S.) *cruzi* Chagas, 1909, en *Aedes aegypti*. *Acta Biol. Venez.* 9(1):17-36.

Zielke, E., Schulz-Key, H. and Albiez, E. J. 1977. On the development of onchocerca volvulus in mosquitoes. *Tropenmed u. Parasitol.* 28(2):254-257. [*Aedes* and *Anopheles*.]

LIGHT AND OTHER TRAP STUDIES

Graham, J. E. 1977. Some observations on light trap placement in Salt Lake County, Utah. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:181-182.

Miller, T. A., Stryker, R. G., Wilkinson, R. N. and Esah, S. 1977. The influence of time and frequency of collection on the abundance of certain mosquito species in light-trap collections in Thailand. *J. Med. Ent.* 14(1):60-63.

Stotelmyre, L. M. 1977. Mosquitoes of Big Morongo Oasis, San Bernardino County, California, and their public health significance. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:192-193.

LITERATURE REFERENCES AND REVIEWS

Houpeau, J. L. and Mallardeau, J. 1977. *Bulletin Analytique d'Entomologie Médicale et Vétérinaire* 24(1):1-31; 24(2):1-30; 24(3):1-29; 24(4):1-28; 24(5):1-29; 24(6):1-31.

Sollers-Riedel, H. 1977. Literature references to mosquitoes and mosquito-borne diseases. 1977—Part IV. *Mosquito News* 37(4):783-799.

BIOGRAPHY AND HISTORY

American Mosquito Control Association. 1977. Dr. Stephen M. K. Hu. *Mosquito News* 37(4):782.

Bruce-Chwatt, L. J., Garnham, P. C. C. and Killick-Kendrick, R. 1977. P. G. Shute, O. B.

E. (1894-1977). *Roy. Soc. Trop. Med. and Hyg. Trans.* 71(5):456-457.

Laird, M. 1977. Osiris, Asklepios, and the Harpies: the development of an African river basin. *In the Franklin Lectures in the Sciences and Humanities, Fourth Series* pp. 105-140 (edited by Littleton, T.). Published by Univ. of Alabama Press. [Malaria included.]

SUBJECTS NOT COVERED BY OTHER HEADINGS

Fontaine, R. E. 1977. University of California's program on mosquito research. *Calif. Mosquito and Vector Cont. Assoc. Proc.* 45:28-30.

Pant, C. P., Fontaine, R. E. and Gratz, N. G. 1977. A review of the World Health Organization Vector Biology and Control Program. *Mosquito News* 37(4):595-603.

Ward, R. A. 1977. Culicidae. *In Biota Acuática de Sudamérica Austral.*, edited by Hurlbert, S. H. 342 pp., California, pp. 268-274.

BOOKS

Baltimore, D., Huang, A. S. and Fox, C. F. (Editors). 1976. *Animal virology*. 824 pp., New York, San Francisco, London. Academic Press.

Smith, K. M. 1976. *Virus-insect relationships*. 291 pp., Essex. Longman Group Ltd. [Mosquito-borne arboviruses included.]

ERRATA

In Mosquito News 36(1):115—under Horsfall et al. change pages to read 675-681; 37(2):327—under Weiss et al. change pages to read 547-551; 37(4):787—under Dadd et al. change pages to read 333-341.