

## LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1983—Part II

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### CHANGES IN THE USE OF ACCENTS

Beginning in this issue, accents will be used on authors' names where accent is available. Accents will not be used on citations, names of periodicals and books, except for the German umlaut ("").

### ADULTICIDES, LARVICIDES AND GROWTH REGULATORS

Alekseev, A. N. and Coauthors. 1983. Influence of the larval density of *Aedes aegypti* mosquitoes on their mortality under the action of the preparations of *Bacillus thuringiensis* Berl. Med. Parazit. i Parazit. Bolezni 61(1):78-80. In Rus., Engl. Sum.

Biswas, S. and Coauthors. 1982. Ultra-low volume technical malathion application for the control of adult mosquitoes in Adarsh Nagar complex, Delhi. J. Commun. Dis. 14(1):57-66.

Darme, D. A. and Jurd, L. 1983. Assessment of benzyl and cinnamyl substituted phenol and 1,3-benzodioxole derivatives as IGR's against mosquitoes. Mosquito News 43(1):50-54.

Focks, D. A. and Bailey, D. L. 1983. An outdoor test pool for evaluating mosquito (Diptera: Culicidae) larvicides. J. Med. Ent. 20(2):224-225.

Levy, R., Powell, C. M., Garrett, W. D. and Miller, T. W., Jr. 1982. Control of immature mosquitoes with liquid and solid formulations of a monomolecular organic surface film. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:106-108.

McLaughlin, R. E. and Billodeaux, J. 1983. Effectiveness of *Bacillus thuringiensis* var. *israelensis* against *Psorophora columbiae* breeding in rice fields. Mosquito News 43(1):30-33.

Merriam, T. L. and Axtell, R. C. 1983. Field evaluation of *Bacillus thuringiensis* var. *israelensis* for control of *Aedes taeniorhynchus* in salt marsh pools. Mosquito News 43(1):84-86.

Miao, J., Zheng, J. and Han, L. 1982. The chemosterilant effect of Thiotepa on *Culex pipiens pallens* Coq. Acta Ent. Sinica 25(3):250-255. In Chin., Engl. Sum.

Miller, R. M., Gillies, P. A., Townzen, K. R. and Washino, R. K. 1982. Field trials of Ficam ULV® on caged and wild mosquitoes in California. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:99-105.

Parsons, R. E. 1982. Effect of ground ultra low volume insecticide applications on natural mosquito

populations. J. Florida Anti-Mosquito Assoc. 53(1):31-35.

Pinkovsky, D. D. 1982. Mosquito control in the United States Air Force during the 1980's. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:20-21.

Rajvanshi, A. C., Wattal, B. L., Das, M. and Joshi, G. C. 1982. Laboratory evaluation of two new synthetic pyrethroids against larvae of five vector mosquitoes. J. Commun. Dis. 14(1):52-56.

Rishikesh, N., Burges, H. D. and Vandekar, M. 1983. Operational use of *Bacillus thuringiensis* serotype H-14 and environmental safety. WHO/VBC/83.871, 9 pp.

Rishikesh, N. and Quélennec, G. 1983. Introduction to a standardized method for the evaluation of the potency of *Bacillus thuringiensis* serotype H-14 based products. Bul. WHO 61(1):93-97. See also French translation on pp. 99-103.

Roberts, R. H., Kottkamp, W. B. and Meisch, M. V. 1983. Experimental larvicides tested in rice field plots against *Psorophora columbiae*. Mosquito News 43(1):82-84.

Rodríguez Rodríguez, J. A., Molina Martín, E., Martínez Fernández, A. R. 1981. Sensibilidad actual de culicinos larvarios. II. Insecticidas organofosforados. Revista Iberica de Parasitol. 41(4):519-526. Engl. Sum.

Seckinger, A. M. 1982. Teknar®—a new formulation of *Bacillus thuringiensis* var. *israelensis*. J. Florida Anti-Mosquito Assoc. 53(1):40-43.

Singh, N. and Coauthors. 1982. Field trial of ultra low volume (ULV) spray of technical malathion in Adarsh Nagar areas of Delhi. J. Commun. Dis. 14(2):118-121.

Sinniah, B. 1983. Insecticidal effect of aliphatic alcohols against aquatic stages of *Aedes* mosquitoes. Trans. Roy. Soc. Trop. Med. and Hyg. 77(1):35-38.

Stark, P. M. and Meisch, M. V. 1983. Efficacy of *Bacillus thuringiensis* serotype H-14 against *Psorophora columbiae* and *Anopheles quadrimaculatus* in Arkansas ricefields. Mosquito News 43(1):59-62.

Tinelli, R. and Bourguoin, C. 1982. Larvicidal toxin from *Bacillus sphaericus* spores. Isolation of toxic components. FEBS Lett. 142(1):155-158.

Van Nieuwenhuyzen, W. 1981. The industrial uses of special lecithins: a review. J. Amer. Oil Chem. Soc. 58(10):886-888. [Mosquitoes included.]

Wirat, S. and Coauthors. 1982. Tests of insecticides applied by ULV ground and thermal fogging equipment for the control of *Aedes aegypti* in Thailand. WHO/VBC/82.869 Corr. 1, 1 p.

Yap, H. H., Lau, B. L. and Leong, Y. P. 1982. Laboratory and field tests of temephos (Abate®) on mosquito larvae and non-target organisms in rice fields in Malaysia. Southeast Asian J. Trop. Med. and Pub. Health 13(4):646-653.

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For additional references on *Bacillus thuringiensis* serotype H-14 see following section.

### PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

- Ali, A. and Mulla, M. S. 1983. Evaluation of the planarian, *Dugesia dorotocephala*, as a predator of chironomid midges and mosquitoes in experimental ponds. Mosquito News 43(1):46-49.
- Arunachalam, M., Divakaran, O., Balakrishnan Nair, N. and Balasubramanian, N. K. 1982. Seasonal variation of zooplankton of the Veli Lake, southwest coast of India. Arch. Hydrobiol. 93(3):359-374. [*Culex* mentioned.]
- Axtell, R. C., Jaronski, S. T. and Merriam, T. L. 1982. Efficacy of the mosquito fungal pathogen, *Lagenidium giganteum* (Oomycetes: Lagenidiales). Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:41-42.
- Bai, M. G., Viswam, K. and Panicker, K. N. 1982. *Culex (Lutzia) fuscans* (Diptera: Culicidae)—a predator mosquito. Indian J. Med. Res. 76(Dec.):837-839.
- Bailey, D. L., Jones, R. G. and Simmonds, P. R. 1983. Effects of indigenous *Toxorhynchites rutilus rutilus* on *Aedes aegypti* breeding in tire dumps. Mosquito News 43(1):33-37.
- Bence, J. R. and Murdoch, W. W. 1982. Ecological studies of insect predators and *Gambusia* in rice fields: a preliminary report. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:48-50.
- Bence, J. R. and Murdoch, W. W. 1982. *Gambusia* as a predator upon *Notonecta*: laboratory experiments. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:51-53.
- Coykendall, R. L. 1982. Current development in the enhancement of mosquitofish culture systems. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:53.
- Crutchfield, S. M., Harvey, J. F. and Kauffman, E. E. 1982. Mass rearing of *Romanomermis culicivorus*. (A progress report). Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:44.
- Farley, D. G. and Caton, J. R. 1982. A preliminary report on the use of mosquitofish to control mosquitoes in an urban storm drain system. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:57-58.
- Hall, D. W. and Lord, J. C. 1982. *Amblyospora* (Microspora: Thelohaniidae) parasites of Florida mosquitoes and their biology. J. Florida Anti-Mosquito Assoc. 53(1):12-16.
- Ho, B. C., Yap, E. H. and Singh, M. 1982. Melanization and encapsulation in *Aedes aegypti* and *Aedes togovi* in response to parasitization by a filarioid nematode (*Breintlia booliati*). Parasitology 85(3):567-575.
- Imbriani, J. L. and Platzer, E. G. 1982. Respiratory physiology of a facultative anaerobe, *Romanomermis culicivorus*. J. Nematology 14(2):226-231.
- Insects Affecting Man and Animals Research Laboratory and Gulf Coast Mosquito Research Laboratory. 1982. USDA research on mosquito pathogens. U. S. Dept. Agr. Agr. Res. Serv. 24 pp.
- Jaronski, S. and Axtell, R. C. 1983. Effects of temperature on infection, growth and zoosporogenesis of *Lagenidium giganteum*, a fungal pathogen of mosquito larvae. Mosquito News 43(1):42-45.
- Kerwin, J. L. and Washino, R. K. 1982. Artificial culture of the sexual and asexual stages of *Lagenidium giganteum*. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:43.
- Liu, S. L. and Hsu, Y. C. 1982. Effect of the fungus *Coelomomyces indica* on the viability of *Culex tritaeniorhynchus* larvae. Acta Ent. Sinica 25(4):409-412. In Chin., Engl. Sum.
- Menon, K. K. R., Rao, A. S. and Amonkar, S. V. 1982. Toxic activity and histopathological effects of *Bacillus sphaericus* (ISPC-5) on mosquito larvae. Indian J. Expt. Biol. 20(10):768-772.
- Miura, T., Stewart, R. J. and Takahashi, R. M. 1982. Application of a capture—recapture method for estimating densities of mosquito-fish population in rice fields. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:54-57.
- Moreno, C. A. and Moran, A. 1981. Sobre la introducción de *Gambusia affinis holbrooki* (Girard) y *Carassius carassius* (Linnaeus) en el Río Maipo, Chile. Bol. Soc. Biol. de Concepcion 52:95-102.
- Ren, G., Chen, W. and Chen, J. 1982. Toxicity of *Bacillus sphaericus* 1593 to larvae of *Culex pipiens pallens* and a new isolate T-S-1. Acta Ent. Sinica 25(3):349-350. In Chin., Engl. Sum.
- Roberts, F. C. 1982. The implications of a freshwater simulation model on the Alameda County Mosquito Abatement District. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:83-84.
- Rubtsov, I. 1980. New species of Mermithidae (Mermithidae, Nematoda) from Estonia and neighbouring regions. VI. Genus *Hydromermis* Corti (comb. n.) and subgenus *Dispimermis* subgen. n. Toim. Eesti N.S.V. Tead. Akad. Biol. Izv. Akad. Nauk S.S.R. Biol. 29(3):212-219. In Rus., Engl. Sum.
- Schaefer, C. H., Miura, T., Stewart, R. J. and Dupras, E. F., Jr. 1982. Studies on the potential environmental impact of the herbicide thiobencarb (Bolero®). Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:89-98.
- Schooley, J., Roberts, F. C. and Conner, G. E. 1982. A preliminary simulation of mosquito control in Coyote Hills Freshwater Marsh, Alameda County, California. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:76-82.
- Schultz, G. W., Hwang, Y. S. and Mulla, M. S. 1982. Toxicity and attractancy of the hydrophyte *Myriophyllum* against mosquitoes. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:68-69.
- Sempla, S. D. K. 1983. Interactions between immature *Aedes africanus* (Theobald) and larvae of two predatory species of *Toxorhynchites* (Diptera: Culicidae) in Zika Forest, Uganda. Bul. Ent. Res. 73(1):19-24.
- Sharma, S. K., Wattal, B. L. and Mathur, K. K. 1982. Laboratory evaluation of *Bacillus thuringiensis* var. *israelensis* serotype H-14 against mosquito larvae

- with particular reference to *Aedes aegypti*. J. Commun. Dis. 14(2):106-110.
- Slaff, M. and Chen, T. A. 1982. The isolation of a spiroplasma from *Aedes sollicitans* (Walker) in New Jersey. J. Florida Anti-Mosquito Assoc. 53(1):19-21.
- Stewart, R. J. and Miura, T. 1982. Techniques for a *Gambusia affinis* mark-recapture study. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:70-72.
- Stewart, R. J., Schaefer, C. H. and Miura, T. 1983. Sampling *Culex tarsalis* (Diptera: Culicidae) immatures on rice fields treated with combinations of mosquito fish and *Bacillus thuringiensis* H-14 toxin. Jour. Econ. Ent. 76(1):91-95.
- Trimble, R. M. 1983. Potential of a temperate zone *Toxorhynchites* for the biological control of tropical container-breeding mosquitoes. Mosquito News 43(1):71-73.
- Walker, T. W. and Meek, C. L. 1983. Association of plant debris and *Romanomermis culicivorax*, a nematode parasite of mosquitoes. Mosquito News 43(1):84.
- Webber, L. A. 1982. The potential of several native estuarine killifish as mosquito larvivores in Florida. J. Florida Anti-Mosquito Assoc. 53(1):51-54.
- Weiser, J. 1982. Guide to field determination of major groups of pathogens affecting arthropod vectors of human diseases. WHO/VBC/82.860, 43 pp. [In association with Chapman, H. C.]
- World Health Organization. 1982. Biological control of vectors of disease. Sixth report of the WHO Expert Committee on Vector Biology and Control. WHO Tech. Rpt. Ser. 679, 39 pp.
- Wright, K. A. and Richter, S. 1982. Teratological development in the cephalic anatomy of the nematode *Romanomermis culicivorax*. J. Nematology 14(2):232-237.

#### WATER MANAGEMENT

- Bidlingmayer, W. L. 1982. Surveying salt marsh mosquito control impoundments in central Florida. J. Florida Anti-Mosquito Assoc. 53(1):4-7.
- Carlson, D. B. 1983. The use of salt-marsh mosquito control impoundments as wastewater retention areas. Mosquito News 43(1):1-6.
- Mortenson, E. W. 1982. Mosquito occurrence in wastewater marshes: a potential new community problem. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:65-67.
- Schaefer, C. H., Miura, T., Stewart, R. J. and Takahashi, R. M. 1982. Studies on the relationship of mosquito breeding on rice fields and the use of sewage effluent for irrigation. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:59-65.

#### MOSQUITO CONTROL AGENCY PROBLEMS

- Arevald, K. 1981. Mosquitoes. Danish Pest Infestation Lab. Rpt. 1981, pp. 19-21. Pub. 1982.
- Breeland, S. G. and Mulrennan, J. A., Jr. 1983. Florida mosquito control. Pest Control 51(2):16,20,22-24.

- Fiori, J. V. 1982. Election for a special tax rate. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:27-28.
- Hunt, P. J. 1982. What constitutes mosquito annoyance? J. Florida Anti-Mosquito Assoc. 53(1):43-45.
- Mulhern, T. 1983. Mosquito control—now you see it, now you don't. Pest Control 51(2):6.
- Perry, B. 1982. Project KATCH. J. Florida Anti-Mosquito Assoc. 53(1):45-50.
- Robinson, W. H. and Atkins, R. L. 1983. Attitudes and knowledge of urban homeowners towards mosquitoes. Mosquito News 43(1):38-41.
- Ross, D. H. 1983. Mosquitoes. Pest Control 51(2):46.

#### COST ANALYSIS

- Riha, J., Minar, J. and Kralik, O. 1981. Blood-sucking dipterans influence the weight of grazing heifers. Vet. Medicina (Cesk.) 26(6):321-328. [Culicidae included.]

#### ATTRACTANTS AND REPELLENTS

- Kovalenko, L. G. and Coauthors. 1983. Repellent properties of Mannich's bases, derivatives of kresols and phenol for mosquitoes, *Aedes aegypti* L., and fleas, *Xenopsilops cheopis* Roths. Med. Parazit. i Parazit. Bolezni 61(1):46-49. In Rus, Engl. Sum.

#### RESISTANCE AND SUSCEPTIBILITY

- Aliev, M. I. 1983. Fertility of females of mosquito *Anopheles sacharovi* Favre in DDT-resistant populations in Azerbaijan. Med. Parazit. i Parazit. Bolezni 61(1):8-10. In Rus, Engl. Sum.
- Bondareva, N. I. and Coauthors. 1983. DDT-resistance in the mosquitoes of the *Anopheles maculipennis* complex on the territory of the Ukrainian SSR. Med. Parazit. i Parazit. Bolezni 61(1):3-7. In Rus, Engl. Sum.
- Elias, M. and Rahman, M. 1981. DDT-susceptibility status of malaria vector *Anopheles batabensis batabensis* Baisas (Diptera: Culicidae) in Bangladesh. Bangladesh Med. Res. Council Bul. 7(1):1-6.
- Gaaboub, I. A. 1975. Susceptibility status of larvae of the principal malaria vector *Anopheles pharoensis* Theob. in the surroundings of Alexandria to DDT, dieldrin and BHC. (Diptera: Culicidae). Bul. Ent. Soc. Egypt Econ. Ser. 9:97-104. (Published 1979).
- Hemingway, J. 1982. The biochemical nature of malathion resistance in *Anopheles stephensi* from Pakistan. Pesticide Biochem. and Physiol. 17(2):149-155.
- See also papers on resistance in Genetics and Genetic Control Section.

#### PESTICIDES AND CHEMICALS

- Pest Control. 1982. 1983 directory of business services. Pest Control 50(12):12-21 passim.

- Pest Control. 1983. 1983 buyer's guide. Pest Control 51(1):12-62 passim.
- Shaduck, J. A. 1983. Some considerations on the safety evaluation of nonviral microbial pesticides. Bul. WHO 61(1):117-128.

### TOXICOLOGY

- Pasha, S. T. 1982. Pesticide-induced changes in hepatic microsomal enzymes in CF-1 mice. J. Commun. Dis. 14(1):47-51.

### BEHAVIOR, BIOLOGY AND ECOLOGY

- Asakura, K. 1982. A possible role of the gastric caecum in osmoregulation of the seawater mosquito larva, *Aedes togoi* Theobald. Annot. Zool. Japon. 55(1):1-8.
- Bagirov, G. A. and Alirzaev, G. U. 1983. The winter breeding of mosquitoes, *Culex pipiens molestus* Forsk., in open water bodies in Baku. Med. Parazit. i Parazit. Bolezni 61(1):22-24. In Rus., Engl. Sum.
- Bang, Y. H., Knudsen, A. B., Onwubiko, A. O. and Bown, D. N. 1983. Seasonal survival of *Aedes africanus* (Diptera: Culicidae) in Nigeria. J. Med. Ent. 20(2):128-133.
- Beier, J. C., Patricoski, C., Travis, M. and Kranzfelder, J. 1983. Influence of water chemical and environmental parameters on larval mosquito dynamics in tires. Environmtl. Ent. 12(2):434-438.
- Beier, J. C., Travis, M., Patricoski, C. and Kranzfelder, J. 1983. Habitat segregation among larval mosquitoes (Diptera: Culicidae) in tire yards in Indiana, USA. J. Med. Ent. 20(1):76-80.
- Burkiewicz, A. and Grablis, E. 1981. A study of the mosquito populations in the Swinoujscie Port area. Bul. Inst. Maritime and Trop. Med. 32(3-4):269-275.
- Buttiker, W. 1981. Observations on urban mosquitoes in Saudi Arabia. In Fauna of Saudi Arabia. Vol. 3. (Wittmer, W. and Buttiker, W., editors). Vol. 3 pp. 472-479. Basle.
- Chiba, Y., Endo, K. and Tomioka, K. 1981. Circadian activity of the mosquito *Culex pipiens molestus* as modified by aging. Zool. Magazine (Tokyo) 90(4):667. In Jap.
- Cui, K. L. 1982. The autogeny of *Aedes albopictus* in Guangzhou area. Acta Ent. Sinica 25(3):256-259. In Chin., Engl. Sum.
- Day, J. F., Ebert, K. M. and Edman, J. D. 1983. Feeding patterns of mosquitoes (Diptera: Culicidae) simultaneously exposed to malarioous and healthy mice, including a method for separating blood meals from conspecific hosts. J. Med. Ent. 20(2):120-127.
- Fuganti, C., Grasselli, P. and Servi, S. 1982. Synthesis of the two enantiomeric forms of erythro-6-acetoxy-5-hexadecanolide, the major component of a mosquito oviposition attractant pheromone. J. Chem. Soc. Chemical Commun. 22:1285-1286.
- Gozhenko, V. A. and Titova, L. M. 1982. On the influence of ecological factors upon the sex ratio in some mosquito species (Culicidae). Ekologiya No. 5:85-88. In Rus.
- Hewitt, P. H. and Coauthors. 1982. Temporal fluctuations in the numbers of female mosquitoes trapped at a site in the western Orange Free State. J. Ent. Soc. Southern Afr. 45(1):69-92.
- Ishii, T. 1983. Reproductive traits of an intermediate strain between *Culex pipiens pallens* and *Cx. pipiens molestus* (preliminary report). Akaieka Newsltr. 7(4):15-20.
- Jones, M. D. R. 1982. Coupled oscillators controlling circadian flight activity in the mosquito, *Culex pipiens quinquefasciatus*. Physiol. Ent. 7(3):281-289.
- Kupressova, V. B., Korosteleva, N. V. and Krasikova, E. S. 1983. Some features of the biology of *Aedes communis* Deg. (1776) (Diptera, Culicidae). Med. Parazit. i Parazit. Bolezni 61(1):19-22. In Rus., Engl. Sum.
- Laird, M. and Mokry, J. 1983. Larval *Aedes aegypti* from Tuvalu papaya trees. Mosquito News 43(1):81-82.
- Lam, W. K. and Dharmaraj, D. 1982. A survey on mosquitoes breeding in septic tanks in several residential areas around Ipoh municipality. Med. J. Malaysia 37(2):114-123.
- Lounibos, L. P., Van Dover, C. and O'Meara, G. F. 1982. Fecundity, autogeny, and the larval environment of the pitcher-plant mosquito, *Wyeomyia smithii*. Oecologia (Berlin) 55:160-164. [Issue no. not supplied by authors.]
- Makiya, K. and Taguchi, I. 1982. Ecological studies on overwintering populations of *Culex pipiens pallens*. 3. Movement of the mosquitoes in a cave during overwintering. Jap. J. Sanit. Zool. 33(4):335-343. Jap. Sum.
- Meyer, R. P., Washino, R. K. and McKenzie, T. L. 1982. Comparisons of factors affecting preimaginal production of *Culiseta inornata* (Williston) (Diptera: Culicidae) in two different habitats of central California. Environmtl. Ent. 11(6):1233-1241.
- Milby, M. M., Reisen, W. K. and Reeves, W. C. 1983. Intercanyon movement of marked *Culex tarsalis* (Diptera: Culicidae). J. Med. Ent. 20(2):193-198.
- Mitchell, C. J. 1983. Differentiation of host-seeking behavior from blood-feeding behavior in overwintering *Culex pipiens* (Diptera: Culicidae) and observations on gonotrophic dissociation. J. Med. Ent. 20(2):157-163.
- Olson, J. G., Atmoedoedjono, S., Lee, V. H. and Ksiazek, T. G. 1983. Correlation between population indices of *Culex tritaeniorhynchus* and *Cx. gelidus* (Diptera: Culicidae) and rainfall in Kapuk, Indonesia. J. Med. Ent. 20(1):108-109.
- Parker, A. G. and Coauthors. 1983. Rock hole habitats of a feral population of *Aedes aegypti* on the island of Anguilla, West Indies. Mosquito News 43(1):79-81.
- Pritchard, G. and Scholefield, P. J. 1983. Survival of *Aedes* larvae in constant area ponds in southern Alberta (Diptera: Culicidae). Canad. Ent. 115(2):183-188.
- Ritchie, S. A. 1982. The status of *Aedes aegypti* in western Collier County. J. Florida Anti-Mosquito Assoc. 53(1):35-37.
- Rosay, B., Collett, G. C. and Dickson, S. L. 1982. Age characteristics of migrating *Aedes dorsalis* in Salt Lake City, Utah, September 1981. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:73-74.
- Samarawickrema, W. A. and Coauthors. 1982.

- Significance of coconut husk pits as larval habitats of *Culex quinquefasciatus* in the filariasis endemic coastal belt of Sri Lanka. Southeast Asian J. Trop. Med. and Pub. Health 13(4):590-595.
- Sempala, S. D. K. 1983. Seasonal population dynamics of the immature stages of *Aedes africanus* (Theobald) (Diptera: Culicidae) in Zika Forest, Uganda. Bul. Ent. Res. 73(1):11-18.
- Snow, W. F. 1982. Further observations on the vertical distribution of flying mosquitoes (Diptera: Culicidae) in West African savanna. Bul. Ent. Res. 72(4):695-708.
- Van der Linde, T. C. de K. and Coauthors. 1982. Species richness and relative abundance of female mosquitoes at a site in the western Orange Free State. J. Ent. Soc. Southern Afr. 45(1):57-67.
- Westwood, A. R., Surgeoner, G. A. and Helson, B. V. 1983. Survival of spring *Aedes* spp. mosquito (Diptera: Culicidae) larvae in ice-covered pools. Canad. Ent. 115(2):195-197.
- ### GENETICS AND GENETIC CONTROL
- Adak, T., Subbarao, S. K. and Sharma, V. P. 1983. Male specific esterases in certain anopheline mosquitoes. Mosquito News 43(1):14-16.
- Akhtar, K., Sakai, R. K. and Baker, R. H. 1982. Linkage group III in the malaria vector, *Anopheles stephensi*. J. Heredity 73(6):473-475.
- Asman, S. M. and McDonald, P. T. 1981. Status of research on the genetics of *Culex tarsalis* towards integrated control. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 213-220.
- Baker, R. H. and Sakai, R. K. 1981. Genetics and cytogenetics of *Anopheles culicifacies*. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 13-20.
- Barr, A. R. 1981. The *Culex pipiens* complex. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 123-136.
- Boesiger, B. 1982. Effets de la consanguinité sur des caractères morphologiques quantitatifs chez *Culex pipiens autogenous* Roub. Genetica 59(2):99-111.
- Chowdaiyah, B. N. 1981. Recent advances in the genetics of culicine mosquitoes. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 137-145.
- Curtis, C. F. 1981. Possible methods of inhibiting or reversing the evolution of insecticide resistance in mosquitoes. Pesticide Sci. 12(5):557-564.
- Curtis, C. F. and Davidson, G. 1981. Population genetics aspects of insecticide resistance in mosquitoes. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 221-229.
- Dame, D. A., Lowe, R. E. and Williamson, D. L. 1981. Assessment of released sterile *Anopheles albimanus* and *Glossina morsitans morsitans*. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 231-248.
- Dubash, C. J., Sakai, R. K. and Baker, R. H. 1982. Two new body color mutants in the mosquito. The genetics of yellow and green in *Anopheles culicifacies*. J. Heredity 73(5):340-344.
- Green, C. A. 1981. Malaria epidemiology and anopheline cytogenetics. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 21-29.
- Hemingway, J. 1983. The genetics of malathion resistance in *Anopheles stephensi* from Pakistan. Trans. Roy. Soc. Trop. Med. and Hyg. 77(1):106-108.
- Irving-Bell, R. J. 1983. Cytoplasmic incompatibility within and between *Culex molestus* and *Cx. quinquefasciatus* (Diptera: Culicidae). J. Med. Ent. 20(1):44-48.
- Kaiser, P. E., Seawright, J. A., Benedict, M. Q. and Narang, S. 1982. Isolation of a sex-linked homozygous translocation in *Anopheles albimanus*. J. Heredity 73(4):273-276.
- Kanda, T. and Coauthors. 1981. Evolutionary genetics of the *Anopheles hyrcanus* group, the *leucosphyrus* group and the *Pyretrophorus* group in East Asia and the Pacific area. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 31-60.
- Lambert, D. M. and Coetzee, M. 1982. A dual genetical and taxonomic approach to the resolution of the mosquito taxon, *Anopheles (Cellia) marshallii* (Culicidae). Systematic Ent. 7(3):321-332.
- Miles, S. J. 1981. Inversions, electromorphs, and the identification of individual mosquitoes. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 61-63.
- Motara, M. A. 1982. Giemsa C-banding in four species of mosquitoes. Chromosoma (Berlin) 86(3):319-323.
- Pal, R. 1981. An overview of the application of genetics in the study and control of insect vectors of disease. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, M. B. and Kanda, T., editors), pp. 1-10.
- Pasahan, S. C. 1981. Salivary chromosomes of *Anopheles varuna* (Diptera: Culicidae). Zool. Poloniae 28(3):349-354.
- Seawright, J. A., Kaiser, P. E. and Narang, S. 1981. Chromosome manipulation studies of *Anopheles albimanus* for genetic control. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 249-261.
- Steiner, W. W. M. 1981. Parasitization and speciation in mosquitoes: a hypothesis. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 91-119.
- Steiner, W. W. M., Kitzmiller, J. B. and Osterbur, D. L. 1981. On the genetic identity and evolution of the malaria vectors *Anopheles aquasalis* Curry and *Anopheles emiliae* Komp. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 75-90.
- Suguna, S. G. 1982. Cytological and morphological evidence for sibling species in *Anopheles subpictus* Grassi. J. Commun. Dis. 14(1):1-8.
- Sweeny, T. L., Guptavani, P. and Barr, A. R. 1981. Cytogenetic study of a sex-linked lethal in *Culex pipiens* L. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 147-159.
- Tadano, T. 1981. Formal genetics of *Aedes togoi*. In Cytogenetics and genetics of vectors (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 161-167.

- Tadano, T. 1982. Linkage studies on an esterase locus in the mosquito *Aedes togoi*. *Biochem. Genet.* 20(7-8):711-721.
- Villani, F., White, G. B., Curtis, C. F. and Miles, S. J. 1983. Inheritance and activity of some esterases associated with organophosphate resistance in mosquitoes of the complex of *Culex pipiens* L. (Diptera: Culicidae). *Bul. Ent. Res.* 73(1):153-170.
- Wood, R. J. 1981. Insecticide resistance: genes and mechanisms. In *Genetic consequences of manmade changes* (edited by Bishop, J. A. and Cook, L. M.) pp. 73-96. Academic Press.
- Wood, R. J. and Bishop, J. A. 1981. Insecticide resistance: populations and evolution. In *Genetic consequences of man made changes* (edited by Bishop, J. A. and Cook, L. M.) pp. 97-127. Academic Press.
- Wood, R. J. and Cook, L. M. 1983. A note on estimating selection pressures on insecticide-resistance genes. *Bul. WHO* 61(1):129-134.
- Wood, R. J., Ouda, N. A., Pearson, A. M. and Malcolm, C. A. 1981. Recent genetical studies on the mosquito *Aedes aegypti*. In *Cytogenetics and genetics of vectors* (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 169-177.
- Yong, H. S., Dhalwali, S. S., Cheong, W. H. and Chiang, G. L. 1982. Multiple glucose phosphate isomerase alleles in *Aedes albopictus* (Diptera: Culicidae) from Peninsular Malaysia. *Compar. Biochem. and Physiol.* 73B(2):265-267.
- See also Sazonova in Taxonomy and Distribution Section.

#### ANATOMY, MORPHOLOGY AND PHYSIOLOGY

- Butters, T. D. and Hughes, R. C. 1981. Phospholipids and glycolipids in subcellular fractions of mosquito *Aedes aegypti* cells. *In Vitro* 17(9):831-838.
- Chaika, S. Yu. 1982. On the comparative characteristic of digestive enzymes in bloodsucking insects. I. proteases and alpha-amylases. *Ent. Obozr.* 61(4):746-754. In Rus., Engl. Sum. [*Aedes* and *Culex* included.]
- Gillett, J. D. 1982. Mid-gut air in newly emerged mosquitoes and its elimination. *Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc.* 50:86-87.
- Gillett, J. D. 1983. Diuresis in newly emerged, unfed mosquitoes. II. The basic pattern in relation to escape from the water, preparation for mature flight, mating and the first blood meal. *Proc. Roy. Soc. London B* 217:237-242.
- Haramis, L. D. 1983. Increased adult size correlated with parity in *Aedes triseriatus*. *Mosquito News* 43(1):77-79.
- Igbokwe, E. C. and Mills, M. 1982. Electrophoretic variability in the phosphatase system of the yellow-fever mosquito, *Aedes aegypti*. *Compar. Biochem. and Physiol.* 73B(3):457-458.
- Ishii, T. 1983. Sketches of siphons of the 4th instar larvae of the *Culex pipiens* group. *Akaike Newslet.* 7(4):21-23.
- Knight, J. W. and Nayar, J. K. 1982. Evaluation of ovarian age grading techniques for Florida *Culex* mosquitoes. *J. Florida Anti-Mosquito Assoc.* 53(1):8-12.

- Lachinova, R. I. and Zakharchenko, O. V. 1983. Means for increasing the effectiveness of isolation and evaluation of the amount of sex secretions in accessory glands of male mosquitoes. *Med. Parazit. i Parazit. Bolezni* 61(1):63-66. In Rus., Engl. Sum.
- Magnarelli, L. A. 1983. Resorption of retained eggs and follicular degeneration in mosquitoes (Diptera: Culicidae). *J. Med. Ent.* 20(1):106-107.
- Mather, T. N. and DeFoliant, G. R. 1983. Effect of host blood source on the gonotrophic cycle of *Aedes triseriatus*. *Amer. J. Trop. Med. and Hyg.* 32(1):189-193.
- Roberts, D. R., Alecrim, W. D., Tavares, A. M. and McNeill, K. M. 1983. Field observations on the gonotrophic cycle of *Anopheles darlingi* (Diptera: Culicidae). *J. Med. Ent.* 20(2):189-192.
- Uchida, K. and Suzuki, K. 1982. Elimination of protein-food ingested into the crop, and failure of ovarian development in female mosquitoes, *Culex pipiens pallens*. II. Effect of sugar-free egg albumin. *Physiol. Ent.* 7(2):227-230.
- Yakubovich, V. Ya. 1983. Maternal influence on the physiological state of the progeny in the mosquitoes *Aedes caspius dorsalis* Mg. *Med. Parazit. i Parazit. Bolezni* 61(1):16-19. In Rus., Engl. Sum.

#### TECHNIQUES

- Abdullaev, I. T., Alekseev, A. N. and Rasnitsyn, S. P. 1983. The first experience in using a "flying mill" for comparative study of flight ability of a mosquito *Anopheles pulcherrimus* Theobald (Diptera, Culicidae). *Med. Parazit. i Parazit. Bolezni* 61(1):11-15. In Rus., Engl. Sum.
- Adham, F. K. 1982. Establishment of a colony of the mosquito *Culiseta longiareolata* under laboratory conditions. *Experientia* 38(12):1498-1499.
- Frank, J. H. and Lynn, H. C. 1982. Standardizing oviposition traps for *Aedes aegypti* and *Culex quinquefasciatus*: time and medium. *J. Florida Anti-Mosquito Assoc.* 53(1):22-27.
- Liu, Y. M., Kong, D. F. and Wang, R. F. 1982. Determination by haemochrome colorimetry of the amount of blood taken by mosquitoes. *Acta Ent. Sinica* 25(4):458-460. In Chin., Engl. Sum.
- Pan, J. F., Yu, T. R. and Zhu, H. K. 1982. Study on laboratory breeding of *Anopheles balabacensis balabacensis* Baisas. WHO/MAL/82.989, 3 pp.
- Parsons, R. E. 1982. Field monitoring of mosquito populations. *J. Florida Anti-Mosquito Assoc.* 53(1):38-40.
- Popov, V. D. 1983. An apparatus for anesthetizing of blood-sucking Diptera with carbon dioxide. *Med. Parazit. i Parazit. Bolezni* 61(1):80-81. In Rus., Engl. Sum.

#### Techniques—Tissue Culture

- Brown, S. E. and Knudson, D. L. 1982. Characterization of invertebrate cell lines. IV. Isozyme analyses of dipteran and acarine cell lines. *In Vitro* 18(4):347-350. [Mosquitoes included.]

Herrera, R. J. and Mukherjee, A. B. 1982. Electrophoretic characterization and comparison of dehydrogenases from eight permanent insect cell lines. *Compar. Biochem. and Physiol.* 72B(3):359-366. [Mosquitoes included.]

## TAXONOMY AND DISTRIBUTION

Belton, P. and Belton, E. M. 1981. A revised list of the mosquitoes of British Columbia. *J. Ent. Soc. Brit. Columbia* 78:55-64.

Brunhes, J. 1982. Culicidae from Madagascar. IX. Complementary description of *Aedes (Diceromyia) grassei* Doucet, 1951 and description of *Aedes (Diceromyia) sylvaticus* n. sp. (Diptera, Nematocera). *Cah. ORSTOM Ser. Ent. Med. et Parasitol.* 20(4):313-318. In Fr., Engl. Sum. [n. sp.]

Danilov, V. N. and Stupin, V. I. 1982. A new species of the mosquito genus *Aedes* Mg. (Diptera, Culicidae) from southern Siberia. *Ent. Obozr.* 61(4):824-829. In Rus., Engl. Sum. [*Aedes cyprinoides*.]

Gallaway, W. J. and Brust, R. A. 1982. The occurrence of *Aedes hendersoni* Cockerell and *Aedes triseriatus* (Say) in Manitoba. *Mosquito Systematics* 14(4):262-264.

Hackman, W. and Väistönen, R. 1982. Different classification systems in the Diptera. *Ann. Zool. Fennici* 19(3):209-219.

Haeger, J. S. and O'Meara, G. F. 1983. Separation of first-instar larvae of four Florida *Culex* (*Culex*). *Mosquito News* 43(1):76-77.

Ishii, T. 1983. On the *Culex pipiens* group in Japan part III. A historical review of its research 7. Review of the larval characters (3). *J. Sci. Univ. Tokushima* 16:27-109. In Jap., Engl. Sum.

Kaster, C. H. 1981. Faunal composition of mosquitoes (Diptera: Culicidae) in Bernheim Forest, Kentucky. *Trans. Ky. Acad. Sci.* 42(3-4):95-97.

Le Maitre, A. and Chadee, D. D. 1983. Arthropods collected from aircraft at Piarco International Airport, Trinidad, West Indies. *Mosquito News* 43(1):21-23. [Mosquitoes included.]

Rattanarithikul, R. 1982. A guide to the genera of mosquitoes (Diptera: Culicidae) of Thailand with illustrated keys, biological notes and preservation and mounting techniques. *Mosquito Systematics* 14(3):139-208.

Ribeiro, H., Ramos, H. C., Pires, C. A. and Capela, R. A. 1979. Description and biometric study of *Anopheles (Cellia) quadriannulatus davidsoni* spp. n., a seventh member of the *Anopheles gambiae* Giles complex (Diptera, Culicidae) endemic to Cape Verde archipelago. *Garcia de Orta Ser. Zool. (Lisboa)* 8(1-2):75-87.

Sazonova, O. N. 1981. Mosquitoes of the Soviet Far East. In *Cytogenetics and genetics of vectors* (Pal, R., Kitzmiller, J. B. and Kanda, T., editors), pp. 65-74.

Simon, C. M., Steffan, W. A., Moss, W. W. and Evenhuis, N. L. 1982. The genus *Toxorhynchites* (Diptera: Culicidae); numerical phylogenetic analysis of *Tx. splendens* and allies with phenetic comparisons. *Mosquito Systematics* 14(4):221-261.

Sirivanakarn, S. 1982. A review of the systematics and a proposed scheme of internal classification of the New World subgenus *Melanoconion* of *Culex* (Diptera, Culicidae). *Mosquito Systematics* 14(4):265-333.

Walker, E. D. 1983. Occurrence of *Anopheles barberi* in Massachusetts. *Mosquito News* 43(1):73. [New state record.]

Ward, R. A. 1982. Culicidae. In *Aquatic biota of Mexico, Central America and the West Indies*. (Edited by Hurlbert, S. H. and Villalobos-Figueroa, A.) pp. 417-429. San Diego State Univ., Calif.

Ward, R. A. and Darsie, R. F., Jr. 1982. Corrections and additions to the publication, Identification and Geographical Distribution of the Mosquitoes of North America, North of Mexico. *Mosquito Systematics* 14(3):209-219.

See also Lambert and Coetzee in Genetics and Genetic Control Section.

## SEVERAL DISEASES

Pal, R. 1982. International developments in the control of insect vectors of disease. *Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc.* 50:7-13.

Service, M. W. 1982. Importance of vector ecology in vector disease control in Africa. *Bul. Soc. Vector Ecol.* 7:1-13.

## ARBOVIRUSES AND OTHER VERTEBRATE VIRUSES

Calisher, C. H. and Coauthors. 1983. Identification of new Guama and group C serogroup bunyaviruses and an ungrouped virus from southern Brazil. *Amer. J. Trop. Med. and Hyg.* 32(2):424-431. [*Culex* spp.]

Clark, G. G. and Coauthors. 1983. Persistence of La Crosse virus (California encephalitis serogroup) in north-central Illinois. *Amer. J. Trop. Med. and Hyg.* 32(1):175-184.

Coetzter, J. A. W. and Theodoridis, A. 1982. Clinical and pathological studies in adult sheep and goats experimentally infected with Wesselsbron disease virus. *Onderstepoort J. Vet. Res.* 49(1):19-22.

Cordellier, R. and Coauthors. 1982. Isolations of Orungo virus from female and male feral *Aedes* caught in Ivory Coast. *Cah. ORSTOM Ser. Ent. Med. et Parasitol.* 20(4):265-267. In Fr., Engl. Sum. [Transovarial transmission suspected.]

De Góes, P. and Coauthors. 1981. Estudos sobre os arbovírus. XVII—Acao experimental do virus Piry em camundongos desnutridos. *Anais de Microbiol. (Rio de J.)* 26:7-18. [*Aedes* included.]

Embil, J. A., Camfield, P. R., Artsob, H. and Rozee, K. R. 1981. California encephalitis in Nova Scotia. *Canad. Med. Assoc. J.* 127(10):957, 959.

Emmons, R. W. and Coauthors. 1982. Surveillance for arthropod-borne viral activity and disease in California during 1981. *Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc.* 50:29-38.

Juricova, Z. 1982. The use of formaldehyde-stabilized gander erythrocytes in haemagglutination-inhibition test in the diagnosis of infections caused

- by the Tahyna virus. *Cesk. Epidemiol. Microbiol. Immunol.* 31(4):208-213. In Cze., Engl. Sum.
- Marshall, I. D. and Coauthors. 1982. Variation in arbovirus infection rates in species of birds sampled in a serological survey during an encephalitis epidemic in the Murray Valley of south-eastern Australia, February 1974. *Austral. J. Exptl. Biol. and Med. Sci.* 60(5):471-478.
- Marshall, I. D., Thibos, E. and Clarke, K. 1982. Species composition of mosquitoes collected in the Murray Valley of south-eastern Australia during an epidemic of arboviral encephalitis. *Austral. J. Exptl. Biol. and Med. Sci.* 60(5):447-456.
- Marshall, I. D., Woodroffe, G. M. and Hirsch, S. 1982. Viruses recovered from mosquitoes and wildlife serum collected in the Murray Valley of south-eastern Australia, February 1974, during an epidemic of encephalitis. *Austral. J. Exptl. Biol. and Med. Sci.* 60(5):457-470.
- Meyer, R. P., Hardy, J. L., Presser, S. B. and Bruen, J. P. 1983. Comparative arboviral susceptibility of female *Culex tarsalis* (Diptera: Culicidae) collected in CO<sub>2</sub>-baited traps and reared from field-collected pupae. *J. Med. Ent.* 20(1):56-61.
- Millican, D. and Ponterfield, J. S. 1982. Relationship between glycoproteins of the viral envelope of bunyaviruses and antibody-dependent plaque enhancement. *J. General Virol.* 63(1):233-236.
- Monckton, R. P. and Westaway, E. G. 1982. Restricted translation of the genome of the flavivirus Kunjin *in vitro*. *J. General Virol.* 63(1):227-232.
- Pant, U., Banerjee, K., Athawale, S. A. and Dhanda, V. 1982. Susceptibility of *Culex bitaeniorhynchus* cell line to some arboviruses. *Indian J. Med. Res.* 76(Dec.):789-794.
- Pardigon, N., Vialat, P., Girard, M. and Bouloy, M. 1982. Panhandles and hairpin structures at the termini of Germiston virus RNAs (Bunyavirus). *Virology* 122(1):191-197.
- Schnurr, D., Schaffer, F. L. and Hardy, J. L. 1982. The genome of Turlock virus consists of three RNA segments. *Intervirology* 18(1-2):92-94.
- Wada, R. and Coauthors. 1982. Equine Gatah virus infection: pathological study of horses experimentally infected with the MI-110 strain. *Jap. J. Vet. Sci.* 44(3):411-418.
- Williams, B. 1981. Tumour induction by viruses isolated from *Mansonia africana*. *Afr. J. Medicine and Med. Sci.* 10(1-2):19-27.
- Work, T. H. and Jozan, M. 1980. Vector mosquitoes and human arbovirus infections of the Purari River drainage. *Hydroelectric Scheme Environmtl. Stud.* Konedobu, Papua New Guinea 8:29-45.
- Arboviruses—Dengue**
- Dalakoti, H., Chaturvedi, U. C. and Mathur, A. 1982. Inhibition of production of dengue virus induced cytototoxic factor by treatment with cycloheximide and mitomycin C. *Indian J. Exptl. Biol.* 20(1):1-3.
- De Jesús, M., Gubler, D. J. and Sather, G. E. 1982. A clinical survey of reported cases of dengue-like illness during the outbreak of dengue 1981 in Puerto Rico. *Bol. Asoc. Med. de Puerto Rico* 74(3):76-78.
- Fujita, N. and Coauthors. 1982. A serological study on dengue hemorrhagic fever (DHF) and fever of unknown origin (FUO) in Jakarta, Indonesia, in 1982. *Kobe J. Med. Sci.* 28(3):133-141.
- Fukunaga, T., Okuno, Y., Tadano, M. and Fukai, K. 1982. Neutralization characteristics of dengue viruses isolated in mosquito cell culture and suckling mouse brain from a case of laboratory dengue infection. *Biken J.* 25(3):139-147.
- Halstead, S. B. and Coauthors. 1983. Comparison of P388D<sub>1</sub> mouse macrophage cell line and human monocytes for assay of dengue-2 infection-enhancing antibodies. *Amer. J. Trop. Med. and Hyg.* 32(1):157-163.
- Halstead, S. B., Rojanasuphot, S. and Sangkawibha, N. 1983. Original antigenic sin in dengue. *Amer. J. Trop. Med. and Hyg.* 32(1):154-156.
- Henchal, E. A. and Coauthors. 1983. Rapid identification of dengue virus isolates by using monoclonal antibodies in an indirect immuno-fluorescence assay. *Amer. J. Trop. Med. and Hyg.* 32(1):164-169.
- Lam, K. W. and Coauthors. 1982. Characterization of serum acid phosphatase associated with dengue hemorrhagic fever. *Clin. Chem.* 28(11):2296-2299.
- Morens, D. M. 1982. Dengue fever and dengue shock syndrome. *Hospital Practice (N.Y.)* 17(7):103-107, 110-113.
- Paltseva, T. F. and Nikiforov, V. V. 1982. Dengue fever. *Sovetskaya Med. No.* 6:93-95. In Rus.
- Shukla, M. I. and Chaturvedi, U. C. 1982. *In vivo* role of macrophages in transmission of dengue virus-induced suppressor signal to T lymphocytes. *Brit. J. Expt. Pathol.* 63(5):522-530.
- Shukla, M. I., Dalakoti, H. and Chaturvedi, U. C. 1982. Ly phenotype of T lymphocytes producing dengue virus-induced immunosuppressive factors. *Indian J. Exptl. Biol.* 20(7):525-528.
- Srihongse, S., Deibel, R., Sather, G. E. and Woodall, J. P. 1982. Imported dengue fever in New York State. *N.Y. State J. Med.* 82(7):1057-1059.
- Arboviruses—Eastern Encephalitis**
- Howard, J. J., Emord, D. E. and Morris, C. D. 1983. Epizootiology of eastern equine encephalomyelitis virus in upstate New York, USA. V. Habitat preference of host-seeking mosquitoes (Diptera: Culicidae). *J. Med. Ent.* 20(1):62-69.
- Arboviruses—Japanese encephalitis**
- Mogi, M. 1983. Relationship between number of human Japanese encephalitis cases and summer meteorological conditions in Nagasaki, Japan. *Amer. J. Trop. Med. and Hyg.* 32(1):170-174.
- Nandi, A. K., Mukherjee, K. K., Chakraborti, S. K. and Chakraborty, M. S. 1982. Activity of Japanese encephalitis virus among certain domestic animals in West Bengal. *Indian J. Med. Res.* 76(Oct.):499-503.
- Takahashi, M. 1982. Differential transmission efficiency for Japanese encephalitis virus among colonized strains of *Culex tritaeniorhynchus*. *Jap. J. Sanit. Zool.* 33(4):325-333. Jap. Sum.

*Arboviruses—Rift Valley Fever*

- Coetzer, J. A. W. 1982. The pathology of Rift Valley fever. II. Lesions occurring in field cases in adult cattle, calves and aborted foetuses. *Onderstepoort J. Vet. Res.* 49(1):11-17.
- Davies, F. G. and Karstad, L. 1981. Experimental infection of the African buffalo with the virus of Rift Valley fever. *Trop. Animal Health and Product.* 13(4):185-188.
- Peters, C. J. and Slone, T. W. 1982. Inbred rat strains mimic the disparate human response to Rift Valley fever virus infection. *J. Medical Virol.* 10(1):45-54.
- Struthers, J. K. and Coauthors. 1982. Identification of a major non-structural protein in the nuclei of Rift Valley fever virus-infected cells. *J. General Virol.* 60(2):381-384.

*Arboviruses—Semliki Forest*

- Atkins, G. J., Carter, J. and Sheahan, B. J. 1982. Effect of alphavirus infection on mouse embryos. *Infect. and Immunity* 38(3):1285-1290.
- Parsons, L. M. and Webb, H. E. 1982. Virus titres and persistently raised white cell counts in cerebrospinal fluid in mice after peripheral infection with demyelinating Semliki Forest virus. *Neuropathol. and Applied Neurobiol.* 8(5):395-401.
- Reigel, F., Stalder, J. and Koblet, H. 1982. Semliki Forest virus assembly in *Aedes albopictus* cells is inhibited at low pH. *Experientia* 38(11):1369.
- Tuomi, K., Raina, A. and Mäntyläjärvi, R. 1982. Synthesis of Semliki-Forest virus in polyamine-depleted baby-hamster kidney cells. *Biochem. J.* 206(1):113-119.

*Arboviruses—Sindbis*

- Blackburn, N. K., Foggin, C. M., Searle, L. and Le Blanc Smith, P. N. 1982. Isolation of Sindbis virus from bat organs. *Central Afr. J. Med.* 28(8):201.
- Eaton, B. T. 1982. Sindbis virus variants from a persistently infected mosquito cell culture contain and altered E2 glycoprotein. *Virology* 122(2):486-491.
- Goodman-Snitkoff, G. and McSharry, J. J. 1982. Mitogenic activity of Sindbis virus and its isolated glycoproteins. *Infect. and Immunity* 38(3):1242-1248.

Karajov, I., Gremikova, M. and Ignatov, G. 1982. Hemagglutination-inhibition antibodies against arboviruses in bovine sera. *Vet. Med. Nauki* 19(2):25-28. In Bul., Engl. Sum.

Schlesinger, M. J. and Malfer, C. 1982. Cerulenin blocks fatty acid acylation of glycoproteins and inhibits vesicular stomatitis and Sindbis virus particle formation. *J. Biol. Chem.* 257(17):9887-9890.

Wengler, G., Wengler, G. and Gross, H. J. 1982. Terminal sequences of Sindbis virus-specific nucleic acids: identity in molecules synthesized in vertebrate and insect cells and characteristic properties of the replicative form RNA. *Virology* 123(2):273-283.

*Arboviruses—St. Louis Encephalitis*

- Meyer, R. P., Hardy, J. L. and Presser, S. B. 1983. Comparative vector competence of *Culex tarsalis* and *Culex quinquefasciatus* from the Coachella, Imperial, and San Joaquin Valleys of California for St. Louis encephalitis virus. *Amer. J. Trop. Med. and Hyg.* 32(2):305-311.
- Nelson, D. B. and Coauthors. 1983. St. Louis encephalitis—Florida 1977. Patterns of a widespread outbreak. *Amer. J. Trop. Med. and Hyg.* 32(2):412-416.

*Arboviruses—Venezuelan Equine Encephalitis*

- Dickerman, R. W. and Scherer, W. F. 1983. Equine herds as sentinels for Venezuelan equine encephalitis virus activity in Nicaragua, 1977. *Bol. Ofic. Sanit. Panamer.* 94(2):150-156. In Sp., Engl. Sum.
- Dremov, D. P. 1982. Importance of morphological examinations of a viral infection focus in the brain for predicting possible development of chronic encephalitis. *Zh. Nevropatol. Psichiatr.* 82(7):33-40. In Russ., Engl. Sum.
- Mecham, J. O. and Trent, D. W. 1982. Glycosylation patterns of the envelope glycoproteins of an equine-virulent Venezuelan encephalitis virus and its vaccine derivative. *J. General Virol.* 63(1):121-129.

*Arboviruses—Western Equine Encephalitis*

- Atkinson, G. B. 1982. Drift and deposition during aerial spraying of Baygon over Winnipeg August 1981. In Western equine encephalitis in Manitoba. (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 192-208.
- Brust, R. A. 1982. Brief historical review of western equine encephalitis. In Western equine encephalitis in Manitoba (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 9-11.
- Brust, R. A. 1982. Population dynamics of *Culex tarsalis* Coquillett in Manitoba. In Western equine encephalitis in Manitoba. (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 21-30.
- Brust, R. A. 1982. Recommendations for future surveillance and control programs on WEE in Manitoba. In Western equine encephalitis in Manitoba. (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 293-296.
- Chance, M. M. 1982. Alternatives to chemical control of mosquitoes in Manitoba. In Western equine encephalitis in Manitoba. (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 170-177.
- Dixon, D. P. and Fingler, B. G. 1982. The effects of the 1981 Manitoba emergency mosquito control program on honey bees. In Western equine encephalitis in Manitoba. (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 243-247.
- Donogh, N. R. 1982. The emergency public information program. In Western equine encephalitis in Manitoba. (edited by Sekla, L.) Manitoba Hlth. Serv. Comm. pp. 18-19.

- Eadie, J. A. 1982. Health emergency—the decision making process. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 14–17.
- Eadie, J. A. and Friesen, B. 1982. Epidemiological study of western equine encephalitis—Manitoba 1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 142–155.
- Eagleton, S. 1982. A report on mosquito control programs in Manitoba. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 251–254.
- Ellis, R. A. 1982. Emergency mosquito vector control operations. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 185–191.
- Ellis, R. A. 1982. Emergency mosquito vector control by the City of Winnipeg. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 180–182.
- Ellis, R. A. and Brust, R. A. 1982. Effectiveness of the emergency mosquito vector control operations. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 209–222.
- Fox, J. G. 1982. The case for control of WEE in humans through vaccination. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 259–263.
- Francy, D. B. 1982. Comments on Manitoba's arbovirus surveillance program. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 265–271.
- Fraser, H. M. 1982. Summer weather in southern Manitoba, 1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 31–35.
- Friesen, B. and Eadie, J. A. 1982. Clinical study of western equine encephalitis 1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 118–128.
- Hawryluk, G. A., Hammond, G. W. and Friesen, B. 1982. Neuropsychological sequelae after western equine encephalitis virus infection. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 129–141.
- Hoare, R. 1982. Monitoring of pesticide effects on humans by cholinesterase testing. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 231–236.
- Hollebone, J. E. 1982. An explanation of the pre-registration safety evaluation of insecticides registered in Canada. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 224–230.
- Hollebone, J. E. 1982. Insecticides registered for biting fly control in Canada. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 157–169.
- Luckhurst, D. G. and Eadie, J. A. 1982. The role of personal protection in the prevention of western equine encephalitis. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 256–258.
- Monath, T. 1982. Comments made at Manitoba's western equine encephalitis symposium. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 272–275.
- Neufeld, J. L. and Nayar, G. P. S. 1982. Western equine encephalitis in Manitoba—equine cases, 1975–1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 62–79.
- Neufeld, J. L. and Wong, F. C. 1982. Use of sentinel birds in evaluating effectiveness of aerial adulticiding in Manitoba, 1977 and 1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 98–101.
- Plews, K. W. 1982. Mosquito abatement programs in Manitoba. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 178–179.
- Plews, K. W. and Youmans, T. 1982. Analysis of water supplies following the aerial application of Baygon. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 248–250.
- Raddatz, R. L. 1982. Forecasts of *Culex tarsalis* populations in Winnipeg, Manitoba. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 36–49.
- Reilander, N. W. 1982. The role of the Manitoba Emergency Measures Organization in the 1981 health emergency. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 183–184.
- Schaefer, C. H. 1982. Comments on Manitoba's emergency mosquito vector control program. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 276–278.
- Sekla, L. 1982. Manitoba Arbovirus Surveillance Committee: historical review, terms of reference and structure. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. p. 12.
- Sekla, L. 1982. Manitoba Arbovirus Surveillance Committee: description of the surveillance program. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. p. 13.
- Sekla, L. and Stackiw, W. 1982. Arbovirus isolations from mosquitoes in Manitoba: value in decision making. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 50–60.
- Sekla, L. and Stackiw, W. 1982. Arbovirus isolations and serology in Manitoba. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 103–116.
- Spence, L. 1982. Comments on Manitoba's surveillance program for western equine encephalitis. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 279–281.
- Surgeoner, G. A., Ralley, W. E. and Mahdy, M. S. 1982. Investigation for western equine encephalitis activity in northwestern Ontario, 1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 80–84.
- Warner, P. 1982. Health considerations in the use of insecticides in the prevention of western equine

- encephalitis. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 237-242.
- Wong, F. C. and Neufeld, J. L. 1982. Sentinel flock monitoring procedure for western equine encephalomyelitis in Manitoba 1976-1981. In *Western equine encephalitis in Manitoba*. (edited by Sekla, L.). Manitoba Hlth. Serv. Comm. pp. 86-97.
- Arboviruses—Yellow Fever**
- Cordellier, R., Bouchite, B., Roche, J. C. and Akoliba, P. 1982. Entomologic and epidemiologic survey on a fatal case of yellow fever occurring in Anyana district (Republic of Ivory Coast). *Med. Trop. (Marseille)* 42(3):269-273. In Fr., Engl. Sum.
- Liu, C. T. and Griffin, M. J. 1982. Changes in body fluid compartments, tissue water and electrolyte distribution, and lipid concentrations in rhesus macaques with yellow fever. *Amer. J. Vet. Res.* 43(11):2013-2018.
- FILARIASIS**
- Ambroise-Thomas, P. 1980. Filariasis. In *Practical methods in clinical immunology* (edited by Houba, V.) pp. 84-103.
- Comley, J. C. W. and Jaffe, J. J. 1983. Retinol and filarial glycoprotein synthesis. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):136.
- Date, A., Chandy, M. and Pulimood, B. M. 1983. Filarial chyluria with opportunistic infections. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):112-113.
- Dissanayake, S., Galahitiyawa, S. C. and Ismail, M. M. 1982. Immune complexes in *Wuchereria bancrofti* infection in man. *Bul. WHO* 60(6):919-927.
- Dumont, A. E. 1982. Suppressor T lymphocytes in filariasis. *New England J. Med.* 307(23):1456-1457.
- Ewert, A., Folse, D., Hillman, G. and Wang, Y. X. 1983. Effect of diethylcarbamazine citrate on *Brugia malayi* infections in cats following daily, weekly, or monthly administration. *Amer. J. Trop. Med. and Hyg.* 32(2):385-391.
- Go, M. L., Ngiam, T. L., Becket, G. and Leung, S. L. 1982. Hydrophobicity and antifilarial activities of 4-aminoquinolines. *Southeast Asian J. Trop. Med. and Pub. Health* 13(4):658-661.
- Lowrie, R. C., Jr. 1983. Cryopreservation of the microfilariae of *Brugia malayi*, *Dirofilaria corynodes*, and *Wuchereria bancrofti*. *Amer. J. Trop. Med. and Hyg.* 32(1):138-145.
- Mouillac-Gambarelli, N. and Coauthors. 1982. One case of Bancroft filariasis with chorioretinitis. *Bul. Soc. d'Ophtalmologie France* 82(3):447-449. In Fr., Engl. Sum.
- Palmieri, J. R. and Coauthors. 1982. Experimental infection of *Wuchereria bancrofti* in the silvered leaf monkey *Presbytis cristatus* Eschscholtz, 1821. *J. Helminthol.* 56(3):243-245.
- Rao, C. K. 1982. Evaluation of filariasis control in India—a critique. *J. Commun. Dis.* 14(1):9-15.
- Rao, C. K. and Kumar, S. 1982. Role of filariasis in endomyocardial fibrosis. *J. Commun. Dis.* 14(2):91-95.
- Rao, C. K., Narasimham, M. V. V. L. and Krishna Rao, C. 1982. Observations on duration of microfilaraemia in rural Bancroftian filariasis. *J. Commun. Dis.* 14(2):138-140.
- Ravindranathan, T. C., Roychowdhury, S. P., Russel, S. and Rao, C. K. 1982. Filaricidal effect of primaquine. *J. Commun. Dis.* 14(1):88-89.
- Russel, S., Rao, C. K., Mehta, P. K. and Roy, N. K. 1982. Filariasis in Dadra and Nagar Haveli. *J. Commun. Dis.* 14(2):157-160.
- Sethumadhavan, K. V. P., Babu, C. S. Roychowdhury, S. P. and Russel, S. 1982. Effect of high dosage of diethylcarbamazine on microfilariae after prolonged exposure to low dosage. *J. Commun. Dis.* 14(1):84-85.
- Sudjadi, F. A., Baidlowi, C. A. and Pramudyo, —. 1982. Diurnally subperiodic pattern of "Brugia malayi-like" microfilaria in Kalimantan, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 13(4):665-666.
- Sudomo, M., Hanifah, A., Mak, J. W. and Lim, B. L. 1982. A study of Malayan filariasis in Lubuk Mumpo and Datar Lebar villages in Lais Regency, North Bengkulu, Sumatera, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 13(4):584-589.
- Webber, C. A. and Eveland, L. K. 1982. Cytologic detection of *Wuchereria bancrofti* microfilariae in urine collected during a routine workup for hematuria. *Acta Cytologica* 26(6):837-840.
- Wijeyaratne, P. M. and Coauthors. 1982. Epidemiology of filariasis in Malumfashi district of northern Nigeria. *Indian J. Med. Res.* 76(Oct.):534-544. [*W. bancrofti*.]
- Filariasis—Dirofilaria**
- Agostine, J. C. and Jones, G. S. 1982. Heartworms (*Dirofilaria immitis*) in coyotes (*Canis latrans*) in New England. *J. Wildlife Dis.* 18(3):343-345.
- Barraquer-Somers, E., Green, W. R. and Miller, N. R. 1982. Orbital infection by *Dirofilaria*. *Maryland State Med. J.* 31(7):58-62.
- Beier, J. C. 1983. Effects of gregarine parasites on the development of *Dirofilaria immitis* in *Aedes triseriatus* (Diptera: Culicidae). *J. Med. Ent.* 20(1):70-75.
- Blake, R. T. and Overend, D. J. 1982. The prevalence of *Dirofilaria immitis* and other parasites in urban pound dogs in north-eastern Victoria. *Austral. Vet. J.* 58(3):111-114.
- Campbell, W. C. 1982. Efficacy of the avermectins against filarial parasites: a short review. *Vet. Res. Commun.* 5(3):251-262. [*D. immitis* included.]
- Chakrabarti, A. and Chatterjee, A. 1982. Dirofilarial dermatitis in dogs. *Vet. Parasitol.* 9(3-4):277-280.
- Dillon, A. R. and Braund, K. G. 1982. Distal polyneuropathy after canine heartworm disease therapy complicated by disseminated intravascular coagulation. *J. Amer. Vet. Med. Assoc.* 181(3):239-242.
- El-Sadr, W. M., Aikawa, M. and Greene, B. M. 1983. *In vitro* immune mechanisms associated with clearance of microfilariae of *Dirofilaria immitis*. *J. Immunol.* 130(1):428-434.

- Lapierre, J. and Coauthors. 1982. Dirofilariasis in humans. Report of a case with localization in the cheek. *Sem. Hopitaux Paris* 58(25):1575-1577. In Fr., Engl. Sum.
- Olson, N. C., Scott, J. B., Stoffs, W. V. and Robinson, N. E. 1982. Central blood volume and lung extravascular thermal volume in dogs with dirofilariasis. *Amer. J. Vet. Res.* 43(6):1019-1022.
- Sharma, M. C. and Pachauri, S. P. 1982. Blood cellular and biochemical studies in canine dirofilariasis. *Vet. Res. Commun.* 5(3):295-300.
- Tolbert, R. H. and Johnson, W. E., Jr. 1982. Potential vectors of *Dirofilaria immitis* in Macon County, Alabama. *Amer. J. Vet. Res.* 43(11):2054-2056.
- Turner, A. C. and Hutchison, W. F. 1982. Oxidative decarboxylation reactions in *Dirofilaria immitis* glucose metabolism. *Compar. Biochem. and Physiol.* 73B(2):331-334.

### MALARIA

- Abdalla, S. H., Kasili, E. G. and Weatherall, D. J. 1983. The Coombs direct antiglobulin test in Kenyans. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):99-102. [Malaria included.]
- Andrieu, J., Doll, J. and Gardon, J. D. 1982. Indigenous *Plasmodium falciparum* malaria and malarial hepatitis. *Sem. Hopitaux Paris* 58(32):1827-1829. In Fr., Engl. Sum.
- Arkhangelsky, G. V. 1982. On the history of study of neuromalaria and the solar syndrome. *Zh. Nevropatol. Psichiatr.* 82(7):128-130. In Rus.
- Awazu, M., Nakano, Y. and Takeuchi, Y. 1982. Two cases of benign tertian malaria. *J. Jap. Assoc. Infect. Dis.* 56(6):509-512. In Jap., Engl. Sum.
- Bah, M. D., Diallo, S., Correa, P. and Victorius, A. 1982. Prevalence de l'association paludisme et grossesse et ses variations en village urbain à Dakar. *Dakar Medical* 27(1):142-153. Engl. Sum.
- Borsch, G., Odendahl, J., Sabin, G. and Ricken, D. 1982. Malaria transmission from patient to nurse. *Lancet* 8309:1212.
- Brandenburg, V. R. and Kenny, J. F. 1982. Neonatal malaria in an American born infant of an Asian immigrant. *South Dakota J. Med.* 35(6):17-21.
- Buck, R. L., Alcantara, A. K., Uylangco, C. V. and Cross, J. H. 1983. Malaria at San Lazaro Hospital, Manila, Philippines, 1979-1981. *Amer. J. Trop. Med. and Hyg.* 32(2):212-216.
- Das, S. and Coauthors. 1982. Malaria incidence in leprosy patients under dapsone therapy in Karbi-Anglong District, Assam. *J. Commun. Dis.* 14(2):134-137.
- Davis, M. W., Vaterlaws, A. L., Simes, J. and Torzillo, P. 1982. Retinopathy in malaria. *Papua New Guinea Med. J.* 25(1):19-22.
- Diro, M. and Beydoun, S. N. 1982. Malaria in pregnancy. *South. Med. J.* 75(8):959-962, 968.
- Ejezie, G. C. 1983. The Nigerian environment and parasitic infections. *Folia Parasitol.* 30(1):89-95. [Malaria included.]
- Gilles, H. M. 1982. Progress in the pathogenesis and therapy of parasitic diseases. *Scand. J. Infect. Dis. Suppl.* 36:12-14. [Malaria included.]
- Gilles, H. M. and Coauthors. 1983. The Malumfashi Project—an epidemiological, clinical and laboratory study. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):24-31.
- Gopinathan, V. P., Thampi, U. R. and Ganguly, S. B. 1982. Neuropsychiatric manifestations of falciparum malaria. *J. Indian Med. Assoc.* 78(9-10):155-157.
- Hayhurst, M. D. and Gardiner, J. M. B. 1981. Malaria in Zimbabwe. *South Afr. Med. J.* 59(21):739.
- Houba, V. 1980. Introduction. In *Practical methods in clinical immunology* (edited by Houba, V.) pp. 1-5. [Malaria included.]
- Klein, G. 1982. Epstein-Barr virus, malaria and Burkitt's lymphoma. *Scand. J. Infect. Dis. Suppl.* 36:15-23.
- Maharaj, D., McDonald, G. A. and Dobbie, J. W. 1982. Splenectomy and blackwater fever. *Brit. J. Haematol.* 51(4):663-664.
- Moll, H. 1982. Diagnostische Schwierigkeiten der Malaria im Kindesalter. *Monatsschr. f. Kinderheilkunde* 130(1):51.
- Sharma, S. K., Wattal, B. L., Singh, K. and Bhargava, Y. S. 1982. Spring transmission of malaria in Alwar region (Rajasthan). *J. Commun. Dis.* 14(2):125-129.
- Smith, D. C. 1982. The rise and fall of typhomalaria fever: II. Decline and fall. *J. Hist. Med. Allied Sci.* 37(3):287-321.
- Thomas, V. and Chan, W. C. 1982. Evaluation of filter paper eluates for seroepidemiological studies on malaria in Peninsular Malaysia. *Trop. and Geog. Med.* 34(2):145-149.
- Voller, A. and Houba, V. 1980. Malaria. In *Practical methods in clinical immunology* (edited by Houba, V.) pp. 6-31.
- Walter, P. R., Garin, Y. and Blot, P. 1982. Placental pathologic changes in malaria. A histologic and ultrastructural study. *Amer. J. Path.* 109(3):330-342.
- Weinstein, M. P. and Alcid, D. V. 1982. Occurrence of exflagellation and microgametes in peripheral blood of a patient with malaria. *J. Infect. Dis.* 146(3):448.
- Malaria—Cerebral*
- Alcantara, A. K., Buck, R. L., Uylangco, C. V. and Cross, J. H. 1982. Cerebral malaria at San Lazaro Hospital, Manila, Philippines. *Southeast Asian J. Trop. Med. and Pub. Health* 13(4):563-567.
- Navarro Izquierdo, A. and Coauthors. 1982. Malaria cerebral. *Revista Clinica Espanola* 165(5-6):359-361.
- Warrell, D. A., White, N. J. and Warrell, M. J. 1982. Dexanethasone deleterious in cerebral malaria. *Brit. Med. J.* 285(6355):1652.
- White, N. J. and Coauthors. 1983. Quinine loading dose in cerebral malaria. *Amer. J. Trop. Med. and Hyg.* 32(1):1-5.
- White, N. J. and Warrell, D. A. 1982. Managing cerebral malaria. *Brit. Med. J.* 285(6339):439.
- Malaria Control and Eradication*
- Gabaldon, A. 1983. Malaria eradication in Venezuela: doctrine, practice, and achievements after twenty years. *Amer. J. Trop. Med. and Hyg.* 32(2):203-211.

Rafatjah, H. A. 1982. Integrated control and its application to anti-malaria programs. Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc. 50:14-20.

#### Malaria—Immunology

Adu, D. and Coauthors. 1982. Anti-ssDNA and anti-nuclear antibodies in human malaria. Clin. and Expt. Immunol. 49(2):310-316.

Avraham, H. and Coauthors. 1983. Preliminary field trial of a radioimmunoassay for the diagnosis of malaria. Amer. J. Trop. Med. and Hyg. 32(1):11-18.

Bazaz-Malik, G. and Tatke, M. 1982. Response to *Plasmodium cynomolgi* infection in a protein deficient host. Indian J. Med. Res. 76(Oct.):527-533.

Cochrane, A. H. and Coauthors. 1982. Monoclonal antibodies identify the protective antigens of sporozoites of *Plasmodium knowlesi*. Proc. Natl. Acad. Sci. USA 79(18):5651-5655.

Connecticut Medicine. 1982. Immunizations and chemoprophylaxis for travelers. Conn. Med. 46(6):349-351.

Cowen, N., Clancy, R., Cripps, A. and Alpers, M. 1983. A microassay for detecting merozoite inhibition suitable for routine laboratory use. Amer. J. Trop. Med. and Hyg. 32(1):6-10.

Day, J. F. and Edman, J. D. 1983. Malaria renders mice susceptible to mosquito feeding when gametocytes are most infective. J. Parasitol. 69(1):163-170.

Deans, J. A. and Coauthors. 1982. Rat monoclonal antibodies which inhibit the *in vitro* multiplication of *Plasmodium knowlesi*. Clin. and Exptl. Immunol. 49(2):297-309.

Harte, P. G., de Souza, J. B. and Playfair, J. H. L. 1982. Failure of malaria vaccination in mice born to immune mothers. Clin. and Exptl. Immunol. 49(3):509-516.

Harte, P. G. and Playfair, J. H. L. 1983. Failure of malaria vaccination in mice born to immune mothers. II. Induction of specific suppressor cells by maternal IgG. Clin. and Exptl. Immunol. 51(1):157-164.

Hollingsdale, M. R. and Coauthors. 1983. Serological reactivity of *in vitro* cultured exoerythrocytic stages of *Plasmodium berghei* in indirect immunofluorescent or immunoperoxidase antibody tests. Amer. J. Trop. Med. and Hyg. 32(1):24-30.

Howard, R. J., Haynes, J. D., McGinniss, M. H. and Miller, L. H. 1982. Studies on the role of red blood cell glycoproteins as receptors for invasion by *Plasmodium falciparum* merozoites. Molecular and Biochem. Parasitol. 6(5):303-315.

Howard, M. C. and Howard, R. J. 1981. Monoclonal antibodies to malarial antigens. In Monoclonal antibodies and T-cell hybridomas, pp. 329-334. (Edited by Hämmerling, G. J., Hämmerling, U. and Kearney, J. F.).

Mahajan, R. C. and Coauthors. 1982. Immunological status in human *Plasmodium* infection. Indian J. Med. Res. 76(Oct.):523-526.

McColl, A. A., Bonford, R. and Dalton, L. 1982. A comparison of saponin with other adjuvants for the potentiation of protective immunity by a killed *Plasmodium yoelii* vaccine in the mouse. Parasite Immunol. 4(5):337-347.

Nussenzweig, R. S. 1982. Progress in malaria vaccine development: characterization of protective antigens. Scand. J. Infect. Dis. Suppl. 36:40-45.

Schmidt, L. H. 1983. Appraisals of compounds of diverse chemical classes for capacities to cure infections with sporozoites of *Plasmodium cynomolgi*. Amer. J. Trop. Med. and Hyg. 32(2):231-257.

Sherman, I. W., Mole, L. and Tanigoshi, L. 1983. Failure to protect ducklings against malaria by vaccination with histidine-rich protein. Trans. Roy. Soc. Trop. Med. and Hyg. 77(1):87-90.

Shin, S. C. J., Vanderberg, J. P. and Terzakis, J. A. 1982. Direct infection of hepatocytes by sporozoites of *Plasmodium berghei*. J. Protozool. 29(3):448-454.

Smrkovski, L. L. 1982. Kinetics of immunosuppression of sporozoite-induced immunity by *Mycobacterium bovis* BCG. Infect. and Immunity 37(3):1021-1027.

Wade, A. and Coauthors. 1981. Antipaludeens de synthèse (A.P.S.) et maculopathie. A propos de 2 cas observés à la clinique ophtalmologique du Centre Hospitalo-Universitaire de Dakar. Dakar Medical 26(4):427-431. Engl. Sum.

Wigzell, H. 1982. Malaria immunology. Scand. J. Infect. Dis. Suppl. 36:37-39.

World Health Organization. 1983. Development of malaria vaccines: memorandum from a USAID/WHO meeting. Bul. WHO 61(1):81-92.

#### Malaria—Parasites

Brockelman, C. R. 1982. Conditions favoring gametocytogenesis in the continuous culture of *Plasmodium falciparum*. J. Protozool. 29(3):454-458.

Bruce-Chwatt, L. J. 1983. Beware of the litre of blood! Trans. Roy. Soc. Trop. Med. and Hyg. 77(1):139.

Capps, T. C. and Jensen, J. B. 1983. Storage requirements for erythrocytes used to culture *Plasmodium falciparum*. J. Parasitol. 69(1):158-162.

Celada, A., Cruchaud, A. and Perrin, L. H. 1983. Phagocytosis of *Plasmodium falciparum*-parasitized erythrocytes by human polymorphonuclear leukocytes. J. Parasitol. 69(1):49-53.

Clark, I. A. and Hunt, N. H. 1983. Evidence for reactive oxygen intermediates causing hemolysis and parasite death in malaria. Infect. and Immunity 39(1):1-6.

Collins, W. E. and Coauthors. 1983. Studies on the Indochina I/CDC strain of *Plasmodium falciparum* in Colombian and Bolivian *Aotus* monkeys and different anophelines. J. Parasitol. 69(1):186-190.

Consolim, J. and da Silva Fagundes, M. 1981. About the anophelines of Parana River. IV—experimental infection of 4 species with *Plasmodium vivax*. Arq. de Biol. e Tecnol. 24(4):417-423. In Por.

Daskova, N. G. and Rasnicyn, S. P. 1982. Review of data on susceptibility of mosquitoes in the USSR to imported strains of malaria parasites. Bul. WHO 60(6):893-897.

Dejkriengkraikhul, P., Santianot, R. and Wilairat, P. 1982. A rapid method for concentrating schizont-infected red cells of *Plasmodium falciparum*. Southeast Asian J. Trop. Med. and Pub. Health 13(4):663-665.

Dejkriengkraikhul, P. and Wilairat, P. 1982. The ef-

- fect of soluble glycophorin A on invasion of human red cells by the malarial parasite *Plasmodium falciparum*. Southeast Asian J. Trop. Med. and Pub. Health 13(4):662-663.
- Dluzewski, A. R., Rangachari, K., Wilson, R. J. M. and Gratzer, W. B. 1982. The effect of ATP on the entry of malaria parasites into resealed ghosts of human erythrocytes. J. Protozool. 29(4):636.
- Dockrell, H. M. and Playfair, J. H. L. 1983. Killing of blood-stage murine malaria parasites by hydrogen peroxide. Infect. and Immunity 39(1):456-459.
- Dongyuan, S. and Coauthors. 1982. Experimental infection of *Anopheles sinensis* of Zhengzhou and Xingang districts with *Plasmodium*. Chinese J. Prevent. Med. 16(2):85-87. In Chin., Engl. Sum.
- Freeman, R. R. and Holder, A. A. 1983. Light microscope morphology of *Plasmodium falciparum* during a synchronized growth cycle *in vitro*. Ann. Trop. Med. and Parasitol. 77(1):95-96.
- Gyang, F. N., Poole, B. and Trager, W. 1982. Peptidases from *Plasmodium falciparum* cultured *in vitro*. Molecular and Biochem. Parasitol. 5(4):263-273.
- Holder, A. A. and Freeman, R. R. 1982. Biosynthesis and processing of a *Plasmodium falciparum* schizont antigen recognized by immune serum and a monoclonal antibody. J. Expt. Med. 156(5):1528-1538.
- Howard, R. J., Barnwell, J. W. and Kao, V. 1982. Tritiation of protein antigens of *Plasmodium knowlesi* schizont-infected erythrocytes using pyridoxal phosphate-sodium boro[<sup>3</sup>H]hydride. Molecular and Biochem. Parasitol. 6(6):369-387.
- Howard, R. J. and Coauthors. 1982. Radioiodination of new protein antigens on the surface of *Plasmodium knowlesi* schizont-infected erythrocytes. Molecular and Biochem. Parasitol. 6(6):343-367.
- Jap, P. H. K., Meis, J. F. G. M., Verhave, J. P. and Meuwissen, J. H. E. T. 1982. Degenerating exo-erythrocytic forms of *Plasmodium berghei* in rat liver: an ultrastructural and cytochemical study. Parasitology 85(2):263-269.
- Mazier, D. and Coauthors. 1982. *In vitro* infestation of adult *Thamnomys* hepatocytes with *Plasmodium yoelii* sporozoites: schizogony and release of infecting merozoites. Compt. Rend. Acad. Sci. Paris Ser. III 294(19):963-965. In Fr., Engl. Sum.
- Motyl, M. R. and Reese, R. T. 1983. *Plasmodium falciparum*: comparison of *in vitro* growth of knobby and knobless isolates. Amer. J. Trop. Med. and Hyg. 32(2):226-230.
- Rodriguez da Silva, L., Loche, M., Dayal, R. and Perrin, L. H. 1983. *Plasmodium falciparum* polypeptides released during *in vitro* cultivation. Bul. WHO 61(1):105-112.
- Rogers, M. D., Weatherly, N. F., Bowdre, J. H. and Desjardins, R. E. 1983. End-tidal exhaled air for the *in vitro* maintenance of *Plasmodium falciparum*. Trans. Roy. Soc. Trop. Med. and Hyg. 77(1):103-105.
- Rogers, W. A. 1982. Identification of plasmodia in the Special Parasitology Survey of the College of American Pathologists. Amer. J. Clin. Path. 78(4 Suppl.):668-670.
- Wallach, M. 1982. Efficient extraction and translation of *Plasmodium falciparum* messenger RNA. Molecular and Biochem. Parasitol. 6(6):335-342.
- Wood, P. R. and Clark, I. A. 1982. Apparent irrelevance of NK cells to resolution of infections with *Babesia microti* and *Plasmodium vinckeii petteri* in mice. Parasite Immunol. 4(5):319-327.
- Malaria—Therapeutics and Antimalarials**
- Adelusi, S. A. 1982. Urinary levels of chloroquine in relation to dietary protein. Experientia 38(11):1326-1327.
- Adelusi, S. A. and Salako, L. A. 1982. Kinetics of the distribution and elimination of chloroquine in the rat. General Pharmacol. 13(5):433-437.
- Adelusi, S. A. and Salako, L. A. 1982. The effect of protein-energy malnutrition on the absorption, distribution and elimination of chloroquine in the rat. General Pharmacol. 13(6):505-509.
- Adelusi, S. A. and Salako, L. A. 1982. Tissue and blood concentrations of chloroquine following chronic administration in the rat. J. Pharmacy and Pharmacol. 34(11):733-735.
- Ahmed, A. A. A. 1982. Study on the effect of chloroquine on *Plasmodium falciparum* infection in the People's Democratic Republic of Yemen. WHO/MAL/82.987, 5 pp.
- Authi, K. S. and Traynor, J. R. 1982. Stimulation of polymorphonuclear leucocyte phospholipase A<sub>2</sub> activity by chloroquine and mepracrine. J. Pharmacy and Pharmacol. 34(11):736-739.
- Bercovici, J. P. and Coauthors. 1982. Interstitial testicular oestrogen-secreting tumours and chloroquine. Lancet 8302:817.
- Bozděch, V., Kocna, A. and Korbelová, A. 1982. Treatment and prevention of malaria. Česk. Pediatrie 37(6):354-356. In Cze., Engl. Sum.
- Clark, A. M., Hufford, C. D. and McChesney, J. D. 1982. Primaquine: metabolism by microorganisms and <sup>13</sup>C nuclear magnetic resonance assignments. Antimicrob. Agents and Chemother. 19(2):337-341.
- Danis, M. and Coauthors. 1982. Mefloquine in the treatment and prevention of malaria. Pathologie Biologie 30(6 pt. 2):589-592. In Fr., Engl. Sum.
- Deloron, P., Le Bras, J., Andrieu, B. and Hartmann, J. F. 1982. Standardisation of the *in vitro* chemosensitivity test for *Plasmodium falciparum*. Pathologie Biologie 30(6 pt. 2):585-588. In Fr., Engl. Sum.
- Dietrich, M. 1982. Malaria-prophylaxe. Deut. Med. Wochenschr. 107(9):354.
- Eastman, G. M. and Rieckmann, K. H. 1983. The activity of pyrimethamine and sulphadoxine against *Plasmodium falciparum* determined by the *in vitro* microtechnique. Trans. Roy. Soc. Trop. Med. and Hyg. 77(1):91-93.
- Ebeigbe, A. B. and Alomaka, C. P. 1982. Effect of chloroquine on mechanical activity of the rat portal vein. Microcirculation 2(2):151-159.
- Egbunike, G. N. 1982. Effect of chloroquine on the motility and acetylcholinesterase activity of porcine spermatozoa during epididymal maturation. Andrologia 14(6):503-508.
- Eilon, G. and Raisz, L. G. 1982. Chloroquine, hydroxystilbamidine, and dapsone inhibit resorption of fetal rat bone in organ culture. Calcif. Tissue Internat. 34(5):506-509.

- Feberwee, J. D. G. 1982. A pyrimethamine-chloroquine combination for malaria prophylaxis during pregnancy. *South Afr. Med. J.* 62(9):269.
- Francis, V. S., Gupta, M. M. and Bhat, P. 1982. Evaluation of a crude soluble antigen from *in-vitro* culture of *Plasmodium falciparum* for ELISA. *Tropenmed. u. Parasitol.* 33(4):240-242.
- Frentzen-Bertrams, M. and Debuch, H. 1981. Production of bis(monoacylglycerol)phosphate from phosphatidylglycerol in isolated liver lysosomes of chloroquine-pretreated rats. *Hoppe-Seyler's Z. Physiol. Chem.* 362(9):1229-1236. Ger. Sum.
- Geary, T. G., Akood, M. A. and Jensen, J. B. 1983. Characteristics of chloroquine binding to glass and plastic. *Amer. J. Trop. Med. and Hyg.* 32(1):19-23.
- Guan, W. B., Huang, W. J., Zhou, Y. C. and Gong, J. Z. 1982. Effect *in vitro* of artemisinine and its derivatives on *Plasmodium falciparum*. *Acta Pharmacol. Sinica* 3(2):139-141. In Chin., Engl. Sum.
- Hall, A. P. 1982. Quinine by intravenous infusion for falciparum malaria. *Brit. Med. J.* 285 (6339):439.
- Herzog, C., Ellis, C. J., Innes, J. A. and Fletcher, K. A. 1982. Possible role of drug malabsorption in re-crudescence of falciparum malaria. *Lancet* 8308:1157-1158.
- Horstmann, P. 1982. Forebyggelse af malaria-recidiver med primaquin. *Ugeskrift for Laeger* 144(21):1544-1545. In Dan., Engl. Sum.
- Huismans, H. 1982. Bilateral edema of optic nerve (toxic edema) by therapy with chloroquine because of p.c.P. *Klin. Monatsbl. f. Augen-heilkunde* 181(1):36-37. In Ger., Engl. Sum.
- Hutchinson, D. B. A. and Farquhar, J. A. 1983. Chemoprophylaxis of malaria in Africa. *Brit. Med. J.* 286(6358):62.
- Ivanina, T. A. and Lebedeva, M. N. 1982. A comparative evaluation of the effects of the antimalarial drugs Dabekquin and chloroquin on the retina ultrastructure in rats. *Vestn. Oftalmol. No. 3:*53-56. In Rus., Engl. Sum.
- Kunze, H., Hesse, B. and Bohn, E. 1982. Effects of antimalarial drugs on several rat-liver lysosomal enzymes involved in phosphatidyl-ethanolamine catabolism. *Biochimica et Biophysica Acta* 713(1):112-117.
- LaMontagne, M. P., Markovac, A. and Khan, M. S. 1982. Antimalarials. 13. 5-alkoxy analogues of 4-methylprimaquine. *J. Med. Chem.* 25(8):964-968.
- Lang, W. 1982. Malaria—Prophylaxe und Therapie. *Med. Welt* 33(31-32):1099-1101.
- Levy, H. 1982. Chloroquine-induced pigmentation. Case reports. *South Afr. Med. J.* 62(20):735-737.
- Martásek, P., Jirska, M. and Kordač, V. 1982. The effect of chloroquine therapy on the level of porphyrins in the liver in symptomatic hepatic porphyria. *Cesk. Gastroenterol. Vyz.* 36(3-4):198-205. In Cze., Engl. Sum.
- Moore, D. E. and Hemmings, V. J. 1982. Photosensitization by antimalarial drugs. *Photochem. Photobiol.* 36(1):71-77.
- Moreau, S., Perly, B. and Biguet, J. 1982. Interactions de la chloroquine avec la ferrriprotoporphyrine IX. Etude par resonance magnetique nucleaire. *Biochimie* 64(11-12):1015-1025.
- Mrema, J. E. K. and Rieckmann, K. H. 1983. A rabbit-*in vitro* system to evaluate drug action against *Plasmodium falciparum*. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):130-135.
- Olsen, V. V., Loft, S. and Christensen, K. D. 1982. Serious reactions during malaria prophylaxis with pyrimethamine-sulfadoxine. *Lancet* 8305:994.
- Owoyale, J. A. and Elmarakby, Z. 1982. On the ultraviolet 'spectral shift' phenomenon of chloroquine. *Internat. J. Pharmaceutics* 12(2-3): 265-269.
- Pfaller, M. A., Segal, J. J. and Krogstad, D. J. 1982. Activity of ketoconazole and its deacetyl derivative against *Plasmodium falciparum* and *Candida* isolates. *Antimicrob. Agents and Chemother.* 22(5):917-919.
- Pirson, P., Steiger, R. and Trouet, A. 1982. The disposition of free and liposomally encapsulated antimalarial primaquine in mice. *Biochem. Pharmacol.* 31(21):3501-3507.
- Sabchareon, A., Chongsuphajaisiddhi, T. and Attanath, P. 1982. Serum quinine concentrations following the initial dose in children with falciparum malaria. *Southeast Asian J. Trop. Med. and Pub. Health* 13(4):556-562.
- Sassetti, R. and Nichols, D. 1982. Decreased antigenic reactivity caused by chloroquine. *Transfusion* 22(6):537-538. [See also comments by J. J. Moulds et al. on p. 538.]
- Schmidt, D. and Gyr, K. 1982. Hospitalisation wegen Malaria am Kantonsspital und St. Clara-Spital, Basel, im Zeitraum von 1970 bis 1979. *Schweiz. Med. Wochenschr.* 112(46):1646-1651.
- Smith, R. M. and Jarett, L. 1982. Ultrastructural basis for chloroquine-induced increase in intracellular insulin in adipocytes: alteration of lysosomal function. *Proc. Natl. Acad. Sci. USA* 79(23):7302-7306.
- Spencer, H. C., Poultier, N. R., Lury, J. D. and Poulter, C. J. 1982. Chloroquine-associated pruritus in a European. *Brit. Med. J.* 285(6356):1703-1704.
- Stepien, K. B. and Wilczok, T. 1982. Studies of the mechanism of chloroquine binding to synthetic dopa-melanin. *Biochem. Pharmacol.* 31(21): 3359-3365.
- Thuriaux, M. D. 1982. Quinine by intravenous infusion for falciparum malaria. *Brit. Med. J.* 285(6352):1429.
- Timm, U. and Weidekamm, E. 1982. Determination of pyrimethamine in human plasma after administration of Fansidar or Fansidar-mefloquine by means of high-performance liquid chromatography with fluorescence detection. *J. Chromatogr.* 230(1):107-114.
- Tulpule, A. and Krishnaswamy, K. 1982. Effect of food on bioavailability of chloroquine. *Eur. J. Clin. Pharmacol.* 23(3):271-273.
- Vladutiu, G. D. 1982. The effect of chloroquine on the distribution of newly synthesized and old beta-hexosaminidase in fibroblasts. *Biochem. J.* 208(3):559-566.

#### *Malaria—Antimalarials—Resistance*

- Bruce-Chwatt, L. J. 1982. Chemoprophylaxis of malaria in Africa. *Brit. Med. J.* 285(6354):1578-1579.
- De Geus, A., Meuwissen, J. H. E. T., and Van Rijn, A. 1982. A case of Fansidar-resistant *Plasmodium fal-*

- ciparum* from Tanzania. *Trop. and Geog. Med.* 34(3):261-263.
- Ferraroni, J. J., Alencar, F. H. and Shrimpton, R. 1983. Multiple drug resistance in *falciparum* malaria from Brazil. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):138-139.
- Geary, T. G. and Jensen, J. B. 1983. Effects of antibiotics on *Plasmodium falciparum* in vitro. *Amer. J. Trop. Med. and Hyg.* 32(2):221-225.
- Geary, T. G. and Jensen, J. B. 1983. Lack of cross-resistance to 4-aminoquinolines in chloroquine-resistant *Plasmodium falciparum* in vitro. *J. Parasitol.* 69(1):97-105.
- Hess, U., Timmermans, P. M. and Jones, M. 1983. Combined chloroquine/Fansidar®-resistant *falciparum* malaria appears in East Africa. *Amer. J. Trop. Med. and Hyg.* 32(2):217-220.
- McLarty, D. G. 1982. Chemoprophylaxis of malaria in Africa. *Bri. Med. J.* 285(6349):1202.
- Merkli, B. and Richle, R. 1983. Experimentally derived, stable mefloquine resistance in *Plasmodium yoelii nigeriensis*. *Trans. Roy. Soc. Trop. Med. and Hyg.* 77(1):141-142.
- Onori, E., Grab, B., Ambroise-Thomas, P. and Thelu, J. 1982. Incipient resistance of *Plasmodium falciparum* to chloroquine among a semi-immune population of the United Republic of Tanzania. 2. The impact of chloroquine used as a chemosuppressant on the immune status of the population. *Bul. WHO* 60(6):899-906.
- Peters, W. 1982. Panel on malaria. Introduction. *Scand. J. Infect. Dis. Suppl.* 36:24-25.
- Pick, R. O. 1982. New and prospective developments in drugs for malaria. *Scand. J. Infect. Dis. Suppl.* 36:31-36.
- Pinichpongse, S. and Coauthors. 1982. An evaluation of five regimens for the outpatient therapy of *falciparum* malaria in Thailand 1980-81. *Bul. WHO* 60(6):907-912.
- Ponnampalam, J. T. 1982. Falciparum malaria resistant to Fansidar (sulphadoxine-pyrimethamine) occurring in three children of the same family. *Singapore Med. J.* 23(1):37-38.
- Sinclair, N., Sharp, P. and Davis, S. 1982. Ineffective malaria prophylaxis. *Med. J. Australia* 1(4):151, 153.
- Smrkovski, L. L. and Coauthors. 1982. Chloroquine and quinine resistant *Plasmodium falciparum* on the island of Mindoro, Philippines, 1982. *Southeast Asian J. Trop. Med. and Pub. Health* 13(4):551-555.
- Tin, F., Hlaing, N. and Lasserre, R. 1982. Single-dose treatment of falciparum malaria with mefloquine: field studies with different doses in semi-immune adults and children in Burma. *Bul. WHO* 60(6):913-917.
- Vleugels, M. P. H., Wetsteyn, J. C. F. M. and Meuwissen, J. H. E. T. 1982. Fansidar-resistant *Plasmodium falciparum* infection from Tanzania. *Trop. and Geog. Med.* 34(3):263-265.
- Wernsdorfer, W. H. 1982. Drug resistance, current studies and future prospects. *Scand. J. Infect. Dis. Suppl.* 36:26-30.
- Malaria—Transfusion*
- Paganini, A., Maccabruni, A., Parisi, A. and Carosi, G. 1982. Malaria post-trasfusionale consecutiva a malaria d'importazione. *Bol. Istit. Sieroter. Milan.* 61(1):71-73. In Ital., Engl. Sum.
- Rawlings, J. S. and Beall, S. C. 1982. Transfusion malaria in a premature infant. *Clin. Pediat.* 21(10):638-639.
- ### EXPERIMENTAL HOSTS OR VECTORS
- Bryan, J. H. 1983. *Anopheles gambiae* and *A. melas* at Brefet, The Gambia, and their role in malaria transmission. *Ann. Trop. Med. and Parasitol.* 77(1):1-12.
- ### LIGHT AND OTHER TRAP STUDIES
- Ismail, I. A. H. and Coauthors. 1982. Trials with CDC and Monks Wood light-traps for sampling malaria vectors in Thailand. *WHO/VBC/82.864*, 7 pp.
- ### LITERATURE REFERENCES AND REVIEWS
- Houpeau, J. L. and Mallardeau, J. 1982. Bulletin Analytique d'Entomologie Medicale et Veterinaire 29(5, 6, 7, 8, 9, 10(1, 2), 11(1, 2), and 12(1, 2). Each mostly with 31 pp.
- Sollers-Riedel, H. 1983. Literature references to mosquitoes and mosquito-borne diseases. 1983—Part 1. *Mosquito News* 43(1):96-112.
- World Health Organization. 1982. Abstracts of recent Chinese publications on malaria (VII). *WHO/MAL/82.985*, 5 pp.
- World Health Organization. 1982. Abstracts of recent Chinese publications on malaria (VIII). *WHO/MAL/82.986*, 3 pp.
- ### BIOGRAPHY AND HISTORY
- De Benedetti, R. O. 1981. On the centenary of Laveran's discovery. *Medicina Secoli* 18(1):79-87.
- Eldridge, B. F. 1983. Frederick Winsor Whittemore, Jr. 1916-1982. *Mosquito News* 43(1):95.
- Reeves, W. C. 1982. A memorial to Finlay, Reed, Gorgas and Soper as major contributors to present day concepts essential for control of mosquito-borne arboviruses. *Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc.* 50:3-7.
- ### SUBJECTS NOT COVERED BY OTHER HEADINGS
- Axtell, R. C. 1982. Presidential address. *Proc. and Papers Calif. Mosquito and Vect. Cont. Assoc.* 50:1-2.
- Caresta, R. R. 1982. Information management system for mosquito control. *J. Florida Anti-Mosquito Assoc.* 53(1):54-58.
- Scherer, L. E. 1982. Presidential address. Keeping pace. *J. Florida Anti-Mosquito Assoc.* 53(1):59-60.

## BOOKLETS AND REPORTS

Curtis, C. F. (Editor). 1982. Mosquito studies at the London School of Hygiene and Tropical Medicine. Progress Report No. 43, 36 pp.

Desplaines Valley Mosquito Abatement District, Lyons, Illinois. 1982. Fifty-fifth annual report, 12 pp.

Institute for Medical Research, Kuala Lumpur. 1978. Annual report. 165 pp. Published 1979. [Arboviruses, filariasis and malaria included.]

Institute for Medical Research, Kuala Lumpur. 1980. Annual report. 139 pp. [Arboviruses, filariasis and malaria included.]

Proceedings and papers of the fiftieth annual conference of the California Mosquito and Vector Control Association, Inc. and the thirty-eighth annual meeting of the American Mosquito Control Association, Inc. April 18-22, 1982. 111 pp. Published 1983. [See various sections for titles of individual papers.]

Sekla, L. (Editor). 1982. Western equine encephalitis in Manitoba. Manitoba Health Services Commission, 296 pp. See section on *Arboviruses—Western Equine Encephalitis* for individual articles.

## BOOKS

Bailey, N. T. J. 1982. The biomathematics of malaria. 210 pp., London, Charles Griffin and Co.

Bean, W. B. 1982. Walter Reed—a biography. 190 pp., Charlottesville, Va. Univ. Va. Press.

Furman, D. P. and Catts, E. P. 1982. Manual of medical entomology. Edition 4, 207 pp., New York. Cambridge Univ. Press.

Gresiková, M. and Nosek, J. 1981. Arboviruses in Czechoslovakia, 132 pp. Bratislava. Pub. House Veda. [Mosquito-borne included.]

Kitzmiller, J. B. 1982. Anopheline names: their derivations and histories. Thomas Say Foundation Vol. VIII, 639 pp.

Laird, M. (Editor). 1981. Biocontrol of medical and veterinary pests. 235 pp., New York. Praeger Publishers.

Pal, R., Kitzmiller, J. B. and Kanda, T. (editors). 1981. Cytogenetics and genetics of vectors. 265 pp., Kodansha Ltd, Tokyo. See section on Genetics and Genetic Control for individual articles.

## ERRATA

Mosquito News 39(4):814, under Petersen, add initials H. C. to Chapman; 42(1):140 under Ogyyne, change spelling to read Ogunye.