

## LITERATURE REFERENCES FOR MOSQUITOES AND MOSQUITO-BORNE DISEASES

1991—PART 3

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### ANATOMY AND MORPHOLOGY

- Iwaki, M. and W. Choochote. 1991. Scanning electron microscopy of eggs of *Mansonia uniformis*, *Ma. indiana*, *Ma. annulifera*, and *Ma. annulata*. *J. Med. Entomol.* 28:334–339.
- Linley, J. R. and D. D. Chadee. 1991. Fine structure of the eggs of *Haemagogus equinus* and *Hg. janthinomys* (Diptera: Culicidae). *J. Med. Entomol.* 28: 434–445.

### PHYSIOLOGY

- Carvalho, M. G. C. and M. S. Freitas. 1988. Effect of continuous heat stress on cell growth and protein synthesis in *Aedes albopictus*. *J. Cell. Physiol.* 137:455–461.
- van Handel, E. 1991. Sugar-deprivation following a blood meal does not reduce yolk formation and fertility in *Culex quinquefasciatus*. *J. Am. Mosq. Control Assoc.* 7:66–68.
- Logan, T. M. et al. 1991. Egg hatching of *Aedes* mosquitoes during successive floodings in a Rift Valley fever endemic area in Kenya. *J. Am. Mosq. Control Assoc.* 7: 109–112.
- le Sueur, D. and B. L. Sharp. 1991. Temperature-dependent variation in *Anopheles merus* larval head capsule width and adult wing length: implications for anopheline taxonomy. *Med. Vet. Entomol.* 5:55–62.

### BIOCHEMISTRY

- Chen, C. S. et al. 1990. Cuticular hydrocarbon patterns in *Culex quinquefasciatus* as influenced by age, sex, and geography. *Bull. Soc. Vect. Ecol.* 15:129–139.
- Tsukamoto, M. et al. 1990. Zymogram comparison of Southeast Asian mosquito larvae. I. Lactate dehydrogenase and malic enzyme. *Trop. Biomed.* 7:1–19.

### BEHAVIOR

- Braverman, Y. et al. 1991. Attractiveness of vertebrate hosts to *Culex pipiens* (Diptera: Culicidae) and other mosquitoes in Israel. *J. Med. Entomol.* 28:133–138.
- Crans, W. J. et al. 1990. The blood-feeding habits of *Aedes sollicitans* (Walker) in relation to eastern equine encephalitis virus in coastal areas of New Jersey I. Host selection in nature determined by precipitin tests on wild-caught specimens. *Bull. Soc. Vect. Ecol.* 15:144–148.
- Cully, J. F. Jr. et al. 1991. Defensive behavior of eastern chipmunks against *Aedes triseriatus* (Diptera: Culicidae). *J. Med. Entomol.* 28:410–416.
- Forattini, O. P. et al. 1989. [Feeding preferences and “domiciliation” of Culicidae in the Ribeira Valley,

- São Paulo, Brazil, with special reference to *Aedes scapularis* and *Culex (Melanoconion)*.] *Rev. Saude Publica* 23:9–19. In Portuguese.
- Grossman, G. L. and L. G. Pappas. 1991. Human skin temperature and mosquito (Diptera: Culicidae) blood feeding rate. *J. Med. Entomol.* 28:456–460.
- Jordan, S. and S. F. Hubbard. 1991. Influence of vegetation on the spatial distribution of *Toxorhynchites moctezuma* ovipositions in the field. *J. Am. Mosq. Control Assoc.* 7:126–128.
- Jordan, S. and S. F. Hubbard. 1991. Influence of humidity and temperature on the diel periodicity of oviposition of *Toxorhynchites moctezuma* (Diptera: Culicidae) in the field. *J. Med. Entomol.* 28:241–245.
- Kline, D. L. et al. 1991. Interactive effects of 1-octen-3-ol and carbon dioxide on mosquito (Diptera: Culicidae) surveillance and control. *J. Med. Entomol.* 28:254–258.
- Knight, J. C. and S. A. Corbet. 1991. Compounds affecting mosquito oviposition: structure-activity relationships and concentration effects. *J. Am. Mosq. Control Assoc.* 7:37–41.
- Lindsay, S. W. and R. W. Snow. 1988. The trouble with eaves; house entry by vectors of malaria. *Trans. Roy. Soc. Trop. Med. Hyg.* 82:645–646.
- Otieno, W. A. et al. 1988. A field trial of the synthetic oviposition pheromone with *Culex quinquefasciatus* Say (Diptera: Culicidae) in Kenya. *Bull. Entomol. Res.* 78:463–470.
- Pile, M. M. et al. 1991. Odour-mediated upwind flight of *Culex quinquefasciatus* mosquitoes elicited by a synthetic attractant. *Physiol. Entomol.* 16:77–85.
- Reisen, W. K. et al. 1991. Mark-release-recapture studies with *Culex* mosquitoes (Diptera: Culicidae) in southern California. *J. Med. Entomol.* 28:357–371.
- Ribeiro, H. and J. G. Janz. 1990. Exophagy and exophilic in malaria vectors. *Bull. Soc. Vect. Ecol.* 15:185–188.
- Roy, A. et al. 1991. Feeding behavior patterns of anophelines from Uttar Pradesh and Gujarat States of India. *J. Am. Mosq. Control Assoc.* 7:11–15.
- Savage, H. M. et al. 1991. A dipstick ELISA for rapid detection of human blood meals in mosquitoes. *J. Am. Mosq. Control Assoc.* 7:16–23.
- Scott, T. W. 1990. Blood-feeding behavior of *Aedes aegypti* in a rural village near Chachoengsao, Thailand. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:711–712.
- Sota, T. et al. 1991. Distribution of biting *Culex tritaeniorhynchus* (Diptera: Culicidae) among pigs: effects on host size and behavior. *J. Med. Entomol.* 28:428–433.
- Thongrungkiat, S. 1990. A trial for control of both sexes of *Culex tritaeniorhynchus* by sound trapping at the breeding site. *Mosq.-Borne Dis. Bull.* 7:89–93.

## REPELLENTS

Rao, K. M. et al. 1991. *N,N*-diethylphenylacetamide in treated fabrics as a repellent against *Aedes aegypti* and *Culex quinquefasciatus* (Diptera: Culicidae). J. Med. Entomol. 28:142-146.

Rao, S. S. and K. M. Rao. 1991. Insect repellent *N,N*-diethylphenylacetamide: an update. J. Med. Entomol. 28:303-306.

Robert, L. L. et al. 1991. Comparative sensitivity of four *Anopheles* (Diptera: Culicidae) to five repellents. J. Med. Entomol. 28:417-420.

## BIOLOGY

Lehane, M. 1991. Biology of blood-sucking insects. New York, Harper Collins Academic, 256 pp.

## MOLECULAR BIOLOGY

Hagedorn, H. H. et al. (eds.) 1990. Molecular insect science. New York, Plenum, 407 pp.

## GENETICS

Anonymous. 1991. New mosquito genetics programme. TDR News, 35, March 1991, p. 5.

Farid, H. A. et al. 1991. Genetic similarity among Egyptian populations of *Culex pipiens* (Diptera: Culicidae). J. Med. Entomol. 28:198-204.

Forattini, O. P. et al. 1991. Gynandromorphs of some *Culex (Melanoconion)* species. J. Am. Mosq. Control Assoc. 7:129-131.

Romans, P. et al. 1991. Use of a restriction fragment length polymorphism (RFLP) as a genetic marker in crosses of *Anopheles gambiae* (Diptera: Culicidae): independent assortment of a diphenol oxidase RFLP and an esterase locus. J. Med. Entomol. 28:147-151.

## ECOLOGY

Bradshaw, W. E. and C. M. Holzapfel. 1991. Fitness and habitat segregation of British tree-hole mosquitoes. Ecol. Entomol. 16:133-144.

Broadie, K. S. and W. E. Bradshaw. 1991. Mechanisms of interference competition in the western tree-hole mosquito, *Aedes sierrensis*. Ecol. Entomol. 16:145-154.

Loong, K. P. et al. 1990. Survival and feeding behaviour of Malaysian strain of *Anopheles maculatus* Theobald (Diptera: Culicidae) and their role in malaria transmission. Trop. Biomed. 7:71-76.

Lopes, J. et al. 1987. [Insect fauna of Mata Godoy. I. Culicidae (Diptera) breeding in artificial breeding sites introduced in the forest.] Semina 8(2):67-69. In Portuguese.

Mukiamu, T. K. and R. W. Mwangi. 1989. Field studies of larval *Anopheles arabiensis* Patton of Mwea Irrigation Scheme, Kenya. Insect Sci. Appl. 10(1):55-62.

van Oomen, J. M. et al. 1988. Health and irrigation. Wageningen, Neth., Int. Inst. Land Reclam. Improvement, 119 pp.

van Oomen, J. M. et al. 1990. Health and irrigation. Wageningen, Neth., Int. Inst. Land Reclam. Improvement, 304 pp.

Petrarca, V. et al. 1991. Species composition of the *Anopheles gambiae* complex (Diptera: Culicidae) at two sites in western Kenya. J. Med. Entomol. 28:307-313.

Prasad, R. N. et al. 1990. Anopheline breeding in paddy fields and its relationship to growth of plants. Mosq.-Borne Dis. Bull. 7(3):104-106.

Ritchie, S. A. and E. S. Johnson. 1991. Distribution and sampling of *Aedes taeniorhynchus* (Diptera: Culicidae) eggs in a Florida mangrove forest. J. Med. Entomol. 28:270-274.

Sharma, R. S. 1990. Breeding habitats and natural infestations of anopheline larvae in Gurgaon Urban, India. Mosq.-Borne Dis. Bull. 7(3):99-103.

le Sueur, D. and B. L. Sharp. 1988. The breeding requirements of three members of the *Anopheles gambiae* Giles complex (Diptera: Culicidae) in the endemic malaria area of Natal, South Africa. Bull. Entomol. Res. 78:549-560.

Walker, E. D. et al. 1988. Analysis of the distribution and abundance of *Anopheles quadrimaculatus* (Diptera: Culicidae) larvae in a marsh. Environ. Entomol. 17:992-999.

## BIOLOGICAL CONTROL

Becker, N. 1987. [Biological control of mosquitoes on the Upper Rhine.] Schrift. Bundesmin. Ernah. Landwirts. Forsten, No. 344:145-171. In German.

Lacey, L. A. and C. M. Lacey. 1990. The medical importance of ricefield mosquitoes and their control using alternatives to chemical insecticides. J. Am. Mosq. Control Assoc. 6(suppl. 2), 93 pp.

## PREDATORS

Campton, D. E. and G. A. E. Gall. 1988. Responses to selection for body size and age at sexual maturity in the mosquitofish, *Gambusia affinis*. Aquaculture 68:221-241.

Rajendran, R. and R. S. Prasad. 1989. *Encyrtidophorus similis* (Acarina: Unionicolidae) an active predator of mosquito larvae. Curr. Sci., India 58:466-467.

Rawlins, S. C. et al. 1991. Effects of single introduction of *Toxorhynchites moctezuma* upon *Aedes aegypti* on a Caribbean island. J. Am. Mosq. Control Assoc. 7:7-11.

Sabatinelli, G. et al. 1990. [Experiments with the larvivorous fish *Poecilia reticulata* in the control of malaria in the Islamic French Republic Comores.] WHO/MAL/90.1060, 10 pp. In French.

Sebastian, A. et al. 1990. Suppression of *Aedes aegypti* (Diptera: Culicidae) using augmentative release of dragonfly larvae (Odonata: Libellulidae) with community participation in Yangon, Myanmar. Bull. Entomol. Res. 80:223-232.

Tietze, N. S. and M. S. Mulla. 1991. Biological control of *Culex* mosquitoes (Diptera: Culicidae) by the tadpole shrimp, *Triops longicaudatus* (Notostraca: Triopsidae). J. Med. Entomol. 28:24-31.

## MICROBIAL CONTROL AGENTS

- Becker, N. 1990. Microbial control of mosquitoes and black flies. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 84-89.
- Rodcharoen, J. et al. 1991. Microbial larvicides for the control of nuisance aquatic midges (Diptera: Chironomidae) inhabiting mesocosms and man-made lakes in California. J. Am. Mosq. Control Assoc. 7:56-62.

## BACTERIAL CONTROL AGENTS

- deBarjac, H. et al. 1990. The first anaerobe toxic to mosquito and blackfly larvae *Clostridium bifermentans* serovar *malaysia* (*C.b.m.*). Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 29.
- Berry, C. 1990. Characterisation of the mosquitocidal toxins of *Bacillus sphaericus*. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 23-27.
- Bietlot, H. et al. 1989. Facile preparation and characterization of the toxin from *Bacillus thuringiensis* var. *kurstaki*. Biochem. J. 260:87-91.
- Chang, C. et al. 1990. Expression and toxicity of the 72 kDa toxin of *Bacillus thuringiensis* subsp. *morrisoni* (PG-14). Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 293.
- Chen, J. P. et al. 1990. Expanded insect host range of *Bacillus thuringiensis* subsp. *israelensis* by genetic manipulation. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 246.
- Drobiewski, F. A. and D. J. Ellar. 1989. Purification and properties of a 28-kilodalton hemolytic and mosquitocidal protein toxin of *Bacillus thuringiensis* subsp. *darmstadiensis* 78-E10-2. J. Bacteriol. 171:3060-3067.
- Ellar, D. J. 1990. Pathogenicity determinants of entomopathogenic bacteria. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 298-302.
- Frutos, R. et al. 1990. Nucleotide sequence of the *Cry IV* gene encoding a 72-kDa mosquitocidal protein from *Bacillus thuringiensis* subspecies *morrisoni* (PG-14). Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 474.
- Gharib, A. H. et al. 1989. Laboratory evaluation of three mosquito pathogenic strains of *Bacillus sphaericus* isolated in Egypt. J. Invert. Pathol. 54:57-62.
- Haider, M. Z. and D. J. Ellar. 1989. Functional mapping of an entomocidal  $\delta$ -endotoxin. Single amino acid changes produced by site-directed mutagenesis influence toxicity and specificity of the protein. J. Mol. Biol. 208:183-194.
- Jaronski, S. T. and B. E. Melin. 1990. *Bacillus sphaericus*—an addition to the microbial arsenal in mosquito control. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 90-92.
- Khawaled, K. 1990. Tracing the delta-endotoxin polypeptides of *Bacillus thuringiensis* var. *israelensis* in mosquito larvae. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 295.
- Knowles, B. H. et al. 1990. Broad spectrum cytolytic toxins made by *Bacillus thuringiensis*. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 283-287.
- Lee, H. L. and P. Seleena. 1990. Isolation and evaluation of larvicultural *Clostridium bifermentans* against mosquitoes of public health importance. Trop. Biomed. 7:103-106.
- Lee, H. L. and P. Seleena. 1990. *Bacillus thuringiensis* ssp. *malaysianensis*: a new subspecies isolated from Malaysia. Trop. Biomed. 7:117-118.
- Lee, H. L. et al. 1990. Preliminary field evaluation of indigenous (Malaysian) isolates and commercial preparations of *Bacillus thuringiensis* serotype H-14 and *Bacillus sphaericus* serotype H5a5b against *Anopheles karwari*. Trop. Biomed. 7:49-57.
- Levy, R. et al. 1990. Culigel® superabsorbent polymer controlled-release system: application to mosquito larvicultural bacilli. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 107.
- Mathavan, S. et al. 1990. Pathological and biochemical changes in the developing eggs of non-target insects exposed to *Bacillus sphaericus* toxins. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 292.
- Motabar, M. et al. 1986. [Larvicultural activity of *Bacillus thuringiensis* H-14 (Teknar) on mosquito larvae in rice fields, Kazeroun, Fars, southern Iran.] Iran. J. Publ. Hlth. 15(1-4):21-29. In Farsi.
- Mulla, M. S. et al. 1990. Effect of some environmental factors on the efficacy of *Bacillus thuringiensis* (H-14) against mosquitoes. Bull. Soc. Vect. Ecol. 15:166-175.
- Mulla, M. S. et al. 1990. Control of nuisance aquatic midges (Diptera: Chironomidae) with the microbial larvicide *Bacillus thuringiensis* var. *israelensis* in a man-made lake in southern California. Bull. Soc. Vect. Ecol. 15:176-184.
- Ohsawa, I. et al. 1989. Cloning of the biotin synthetase gene from *Bacillus sphaericus* and expression in *Escherichia coli* and bacilli. Gene 80:39-48.
- Pantuwatana, S. 1990. Molecular aspects of the *Bacillus thuringiensis* subsp. *israelensis* and *Bacillus sphaericus* toxins. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 77-83.
- Smith, I. H. et al. 1991. Spiroplasma (Mollicutes: Spiroplasmataceae) pathogenic for *Aedes aegypti* and *Anopheles stephensi* (Diptera: Culicidae). J. Med. Entomol. 28:219-222.
- Smits, P. H. and H. J. Vlug. 1990. Control of tipulid larvae with *Bacillus thuringiensis* var. *israelensis*. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 343.
- Xie, T. and L. Zhong. 1990. Membrane formulation of *Bacillus sphaericus* for control of mosquito larvae. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 108.
- Yap, H. H. et al. 1991. Small-scale field trials of *Bacillus sphaericus* (strain 2362) formulations against *Mansonia* mosquitoes in Malaysia. J. Am. Mosq. Control Assoc. 7:24-29.
- Yu, Y. M. et al. 1990. Characterization of a new mosquitocidal toxic strain of *Bacillus thuringiensis*. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 109.
- Yu, Z. and L. Yu. 1990. Large scale field evaluation of larvicultural preparation of *Bacillus thuringiensis* H-14 for mosquito control in town and rural environment in China. Bull. Soc. Vect. Ecol. 15:189-195.

## FUNGI

- Frances, S. P. 1990. Status of the deuteromycete fungi *Tolyphocladium* and *Culicinomyces* as control agents for medically important Diptera. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 102-105.
- Jaronski, S. T. 1990. Oomycete fungi for vector control: current status and prospects. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 94-96.
- Patel, K. J. et al. 1991. Temperature-dependent development of the fungal pathogen *Lagenidium giganteum* (Oomycetes: Lagenidiales) in larvae of *Culex quinquefasciatus* (Diptera: Culicidae). J. Med. Entomol. 28:95-100.

## PROTISTA

- Andreadis, T. G. 1990. Natural ecology and epizootiology of *Amblyospora connecticus* (Microsporida) in coastal salt marsh habitats of *Aedes cantator* (Diptera: Culicidae) and *Acanthocyclops vernalis* (Copepoda: Cyclopidae). Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 61-65.
- Avery, S. W. and A. H. Undeen. 1990. Horizontal transmission of *Parathelohania anophelis* and *Parathelohania obesa*, microsporidian parasites of anopheline mosquitoes. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 70-73.
- Becnel, J. J. 1990. *Edhazardia aedis* (Microsporidia: Amblyosporidae) as a biocontrol agent of *Aedes aegypti* (Diptera: Culicidae). Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 56-60.
- Becnel, J. J. and A. W. Sweeney. 1990. *Amblyospora trinus* n. sp. (Microsporida: Amblyosporidae) in the Australian mosquito *Culex halifaxi* (Diptera: Culicidae). J. Protozool. 37:584-592.
- Becnel, J. J. and T. Fukuda. 1991. Ultrastructure of *Culicosporella lunata* (Microsporida: Culicosporellidae fam. n.) in the mosquito *Culex pilosus* (Diptera: Culicidae) with new information on the developmental cycle. Europ. J. Protistol. 26:319-329.
- Larkin, T. S. et al. 1990. Simulation of epizootic dynamics of a microsporidium pathogen of mosquitoes. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 359-363.
- Sweeney, A. W. et al. 1990. Life cycle and biology of Microsporidia infecting Australian mosquitoes. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 66-69.
- Undeen, A. H. 1990. The germination of microsporidian spores. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 517-522.
- Washburn, J. O. and J. R. Anderson. 1990. Insect ciliates: potential for container-breeding mosquitoes. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 507-511.

## MULTICELLULAR PARASITES

- Freebairn, C. 1990. A new mermithid genus from Australian *Anopheles* mosquitoes—taxonomic, biology and host-parasite interactions—an overview. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., pp. 547.

- Platzer, A. C. and E. G. Platzer. 1990. Interaction of *Catenaria anguillulae* with *Romanomermis culicivora*. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 237.
- Vyas-Patel, N. et al. 1990. Cross mating of *Romanomermis culicivora* and *Romanomermis iyengari* and their differentiation using pyrolysis mass spectrometry. Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont., p. 271.

## MOSQUITO-BORNE DISEASES

- Laurence, B. R. 1989. The discovery of insect-borne disease. Biologist 36(2):65-71.
- Peters, W. and H. M. Gilles. 1989. A colour atlas of tropical medicine and parasitology (3rd ed.). London: Wolfe Med. Publ. Ltd., 240 pp.

## VIRAL DISEASES

- Murphy, E. L. et al. 1989. HTLV-I infection and arthropod vectors. N. Engl. J. Med. 320:1146.
- Murphy, R. K. 1989. Serologic evidence of arboviral infections in white-tailed deer from central Wisconsin. J. Wildlife Dis. 25:300-301.
- Smith, G. C. and D. B. Francy. 1991. Laboratory studies of a Brazilian strain of *Aedes albopictus* as a potential vector of Mayaro and Oropouche Viruses. J. Am. Mosq. Control Assoc. 7:89-93. [Togavirus and Bunyavirus]
- Snow, K. R. 1991. Medically important mosquito-borne arboviruses in Europe with special reference to Britain. Antenna 15(1):12-20.
- Tabachnick, W. J. 1991. Evolutionary genetics and arthropod-borne disease. The yellow fever mosquito. Am. Entomologist 37(1):14-24.

## TOGAVIRUSES

- Aaskov, J. G. 1988. Interaction of *Alphaviruses* with the serum complement system is a function of method of purification. Arch. Virol. 103(3/4):147-156.
- Beaman, J. R. and M. J. Turell. 1991. Transmission of Venezuelan equine encephalomyelitis virus by strains of *Aedes albopictus* (Diptera: Culicidae) collected in North and South America. J. Med. Entomol. 28:161-164.
- Linthicum, K. J. et al. 1991. Venezuelan equine encephalomyelitis virus infection and transmission by the tick *Amblyomma cajennense* (Arachnida: Ixodidae). J. Med. Entomol. 28:405-409.
- Thein, S. et al. 1990. Hemorrhagic manifestations of Chikungunya infections in children. S. E. Asian J. Trop. Med. Publ. Hlth. 21:699.
- Weaver, S. C. et al. 1991. Detection of eastern equine encephalomyelitis virus deposition in *Culiseta melanura* following ingestion of radiolabeled virus in blood meals. Am. J. Trop. Med. Hyg. 44:250-259.

## FLAVIVIRUSES

- Anonymous. 1990. St. Louis encephalitis (SLE) in USA (CDC). Can. Dis. Wkly. Rpt. 16(45):230.

- Day, J. F. et al. 1991. Distribution of St. Louis encephalitis viral antibody in sentinel chickens maintained in Sarasota County, Florida: 1978-1988. *J. Med. Entomol.* 28:19-23.
- Mix, J. 1991. St. Louis encephalitis besieges Florida. *Pest Control*, March 1991, pp. 32, 34, 36, 38.
- Ng, M. L. and E. S. P. Ho. 1988. The association of virus-specified proteins with membrane structures in Vero cells infected with Japanese encephalitis or Murray Valley encephalitis virus. *Trop. Med.* 30:179-190.
- Rice, C. M. 1990. Overview of flavivirus molecular biology and future vaccine development via recombinant DNA. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21(4):670-677.
- Shroyer, D. A. 1991. Preliminary studies of *Aedes bahamensis* as a host and potential vector of St. Louis encephalitis virus. *J. Am. Mosq. Cont. Assoc.* 7:63-65.
- Wasi, C. et al. 1990. Correlation of HAI, PRNT, ELISA IgG, IgM, IgA antibodies after flavivirus infections and JE vaccination in man. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21(4):700-701.
- FLAVIVIRUSES—Yellow fever**
- Boulos, M. et al. 1988. Severe yellow fever with 23-day survival. *Trop. Geog. Med.* 40:356-358.
- FLAVIVIRUSES—Dengue**
- Bhadki, S. and M. D. Kazatchkine. 1990. Pathogenesis of dengue: an alternative hypothesis. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21(4):652-657.
- Bhamarapravati, N. and S. Yoksan. 1990. The clinical trial of trivalent dengue vaccine. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:709.
- Bunyaratvej, A. et al. 1990. *In vitro* interaction between endothelial cells and dengue virus. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:686.
- Celso Ramos, Q. B. F. 1989. [Biology of the infection caused by dengue virus.] *Salud Publ. Mexico* 31:54-72. In Spanish.
- Chan, Y. C. 1990. Dengue diagnosis using a commercial kit (dengue blot): a prospective study. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:702.
- Chan, Y. C. et al. 1990. Rapid dengue diagnosis on acute sera of patients by dengue blot and IgM ELISA. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:701.
- Chantharakri, U. et al. 1990. Time-dependent effects of dengue virus on platelets: a cyclooxygenase dependent mechanism. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:706.
- Chen, W.-J. et al. 1990. Detection of IgM antibodies from cerebrospinal fluid and sera of dengue fever patients. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:698.
- Chen, W.-J. et al. 1990. Vector competence of *Aedes albopictus* and *Aedes aegypti* to dengue 1 virus in Taiwan: comparison of infections of the salivary gland and the brain. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:711.
- Chien, L.-J. et al. 1990. Dengue 1 growth curve in mammalian and mosquito cell lines. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:686-687.
- Chungue, E. et al. 1989. [Antibody capture ELISA for IgM antibody titration in sera for dengue serodiagnosis and surveillance.] *Res. Virol.* 140:229-240. In French.
- Chungue, E. et al. 1990. Dengue and dengue hemorrhagic fever in French Polynesia: a comparative study of two successive epidemics. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:680-681.
- Chungue, E. et al. 1990. Dengue and dengue hemorrhagic fever in French Polynesia and New Caledonia: molecular studies of dengue 1 and dengue 3 virus strains. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:691.
- Chunsuttiwat, S. 1990. Epidemiology and control of dengue hemorrhagic fever in Thailand. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:684-685.
- Churdboonchart, V. et al. 1990. Dengue virus serotypic identification using suckling mouse and Western Blot technique. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:614-620.
- Churdboonchart, V. et al. 1990. Immune response in rabbits to dengue viral proteins. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:621-629.
- Deubel, V. et al. 1990. Processing, secretion and immunoreactivity of carboxy-terminally truncated dengue-2 virus envelope. Proteins expressed in insect cells by recombinant baculoviruses. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:692.
- Diaz, A. et al. 1988. Description of the clinical picture of dengue hemorrhagic fever/dengue shock syndrome (DHF/DSS) in adults. *Bull. Pan Am. Hlth. Organ.* 22:133-144.
- Doongchawee, G. et al. 1990. Specific reaction of dengue viral proteins with patients' sera using the immunoblotting technique. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:688.
- Funahara, Y. et al. 1990. One of the causes of recurrent shock in dengue hemorrhagic fever. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:697.
- Funahara, Y. et al. 1990. Activation of coagulation-fibrinolytic system and some clinical symptoms of dengue hemorrhagic fever (DHF). *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:704.
- Galler, R. 1988. Perspectives for the development of dengue virus vaccines. *Mem. Inst. Butantan* 50(Suppl.):45-51.
- Hadinegoro, S. R. and M. A. Nathin. 1990. The changing patterns of clinical manifestations in dengue hemorrhagic fever: ten years' observations. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:694.
- Halstead, S. B. 1990. Global epidemiology of dengue hemorrhagic fever. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:636-641.
- Hotta, S. et al. 1990. Molecular biological studies on structural and nonstructural proteins of dengue viruses: comparative analyses using viruses of different types and strains. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:689-690.
- Innis, B. L. et al. 1990. Acute liver failure is one important cause of fatal dengue infection. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:695-696.
- Jennings, G. B. et al. 1990. Interepidemic surveillance of dengue virus in Jakarta, 1989-1990. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:680.
- Khin, M. M. et al. 1990. Study of infection and biological attributes of the dengue 1 viruses recovered

- from human volunteers immunized with dengue 1 candidate vaccine after oral infection of *Aedes aegypti*. S. E. Asian J. Trop. Med. Publ. Hlth. 21:709.
- King, C.-C. et al. 1990. Seroepidemiology of dengue viral infection in southern Taiwan. S. E. Asian J. Trop. Med. Publ. Hlth. 21:683.
- Kittayapong, P. and D. Strickman. 1990. Containers with *Aedes* mosquito larvae in a rural Thai community and implications for community-based control. S. E. Asian J. Trop. Med. Publ. Hlth. 21:712.
- Koh, C. L. et al. 1990. Nucleotide and deduced amino acid sequences of genes encoding the structural and nonstructural NS1 proteins of three dengue-2 viruses isolated in Malaysia from patients with dengue hemorrhagic fever, dengue shock syndrome or dengue fever. S. E. Asian J. Trop. Med. Publ. Hlth. 21:690.
- Kurane, I. et al. 1989. Human T cell responses to dengue virus antigens: proliferative responses and interferon gamma production. J. Clin. Invest. 83:506-513.
- Kurane, I. et al. 1990. Human immune responses to dengue viruses. S. E. Asian J. Trop. Med. Publ. Hlth. 21:658-662.
- Laille, M. et al. 1990. An epidemic of dengue in 1989 in New Caledonia. S. E. Asian J. Trop. Med. Publ. Hlth. 21:681.
- Lam, S. K. 1990. Dengue and dengue hemorrhagic fever. S. E. Asian J. Trop. Med. Publ. Hlth. 21:520-521.
- Lam, S. K. 1990. Development of an early warning system for dengue outbreaks. S. E. Asian J. Trop. Med. Publ. Hlth. 21:685.
- Laohapand, T. et al. 1990. Histopathology and localization of dengue virus antigen in tissues of dengue hemorrhagic fever patients. S. E. Asian J. Trop. Med. Publ. Hlth. 21:707.
- MacDonald, M. B. 1990. Dengue hemorrhagic fever in camps for displaced persons along the Thai Cambodian border. S. E. Asian J. Trop. Med. Publ. Hlth. 21:679.
- MacDonald, M. B. 1990. Fighting a new disease: issues in community mobilization for the control of dengue hemorrhagic fever in displaced persons camps along the Thai Cambodia border. S. E. Asian J. Trop. Med. Publ. Hlth. 21:681-682.
- Malast, P. et al. 1990. Surface associated complement fragments (C3g) on platelets from patients with dengue infection. S. E. Asian J. Trop. Med. Publ. Hlth. 21:705.
- Mangklasiri, R. 1990. Participatory action research on development of self-assessment indicators by a school health organization to promote community participation in eradication of *Aedes'* breeding places in urban primary schools. S. E. Asian J. Trop. Med. Publ. Hlth. 21:713.
- Megret, F. and V. Deubel. 1990. Use of recombinant fusion proteins to define antigenic sites on the dengue virus envelope glycoprotein. S. E. Asian J. Trop. Med. Publ. Hlth. 21:692-693.
- Morita, K. et al. 1990. Rapid identification of dengue virus serotypes using polymerase chain reaction. S. E. Asian J. Trop. Med. Publ. Hlth. 21:703-704.
- Myint, K. S. et al. 1990. An immunoperoxidase technique for localization of dengue virus antigens in formalin fixed tissues. S. E. Asian J. Trop. Med. Publ. Hlth. 21:708.
- Nimmanitya, S. et al. 1990. Second attack of dengue hemorrhagic fever. S. E. Asian J. Trop. Med. Publ. Hlth. 21:699.
- Nisalak, A. et al. 1990. Severe dengue infections among children in metropolitan Bangkok, 1973-1989: description of epidemics and characterization of virus serotypes associated with them. S. E. Asian J. Trop. Med. Publ. Hlth. 21:678-679.
- Paul, S. R. 1990. Arbitration of clinical diagnosis and management of dengue hemorrhagic fever. S. E. Asian J. Trop. Med. Publ. Hlth. 21:700.
- Petchclai, B. et al. 1990. A five minute gold immunoblot for dengue antibody. S. E. Asian J. Trop. Med. Publ. Hlth. 21:702-703.
- Pichyangkul, S. and B. L. Innis. 1990. Replication in human endothelial cells of low passage dengue viruses isolated from hospitalized patients. S. E. Asian J. Trop. Med. Publ. Hlth. 21:685-686.
- Ramos, C. 1989. [Biology of the infection caused by the dengue virus.] Salud Publ. Mexico 31:54-72. In Spanish.
- Rojanasuphot, S. et al. 1990. Dengue serotypes in Maha Sarakham 1987. S. E. Asian J. Trop. Med. Publ. Hlth. 21:679.
- Sarasombath, S. et al. 1990. Evidence for immune cell activation in dengue hemorrhagic fever/dengue shock syndrome. S. E. Asian J. Trop. Med. Publ. Hlth. 21:706-707.
- Shope, R. E. 1990. Antigen and antibody detection and update on the diagnosis of dengue. S. E. Asian J. Trop. Med. Publ. Hlth. 21:642-645.
- Sirinavin, S. and P. Hathirat. 1990. Problems in severity grading of dengue hemorrhagic fever. S. E. Asian J. Trop. Med. Publ. Hlth. 21:696.
- de Souza M. and J. E. Freier. 1991. Vertical transmission of dengue 1 virus by *Haemagogus equinus* mosquitoes. J. Am. Mosq. Control Assoc. 7:118-120.
- Strickman, D. et al. 1990. Prevalence of antibody to dengue virus in children and its relationship to distribution of mosquito vector larvae in a rural Thai community. S. E. Asian J. Trop. Med. Publ. Hlth. 21:710-711.
- Suvatte, V. et al. 1990. Liver failure and hepatic encephalopathy in dengue hemorrhagic fever/dengue shock syndrome: a correlation study with acetaminophen usage. S. E. Asian J. Trop. Med. Publ. Hlth. 21:694-695.
- Tassniyom, S. et al. 1990. Failure of high dose steroids in averting death in severe dengue shock syndrome: a double-blind randomized controlled trial. S. E. Asian J. Trop. Med. Publ. Hlth. 21:698.
- Teeraratkul, A. and K. Limpakarnjanaral. 1990. Three decades of dengue hemorrhagic fever surveillance in Thailand, 1958-1987. S. E. Asian J. Trop. Med. Publ. Hlth. 21:684.
- Teeraratkul, A. et al. 1990. Predictive value of clinical and laboratory findings for early diagnosis of dengue and dengue hemorrhagic fever. S. E. Asian J. Trop. Med. Publ. Hlth. 21:696-697.
- Thein, S. et al. 1990. Dengue shock syndrome in Indians residing in a Yangon community. S. E. Asian J. Trop. Med. Publ. Hlth. 21:697.

- Thisyakul, C. et al. 1990. Dengue infection with unusual manifestations. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:693.
- Vadaketh, R. G. 1988. Dengue haemorrhagic fever: teaching by means of slides. *Fam. Practitioner* 11(3):39-47.
- Vitarana, T. and N. Jayasekera. 1990. Dengue hemorrhagic fever (DHF) outbreak in Sri Lanka. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:682.
- Wang, J. J. et al. 1990. The assembly of dengue-2 virus in C6/36 cells. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:687.
- Yadava, R. L. and M. V. V. L. Narasimham. 1990. Epidemiology and control of dengue and dengue hemorrhagic fever in India. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:683.
- Yang, P. Y. et al. 1990. Nucleotide and encoded amino acid sequences of the envelope protein gene of a dengue-2 virus isolated in China. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:690-691.
- Yoksan, S. and N. Bhamaraprabhati. 1990. Evaluation of biological markers for live attenuated dengue vaccines. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:708-709.
- Young, P. R. 1990. Antigenic analysis of dengue virus using monoclonal antibodies. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:646-651.
- FLAVIVIRUSES—Japanese encephalitis**
- Han, X. Y. et al. 1988. Serum and cerebrospinal fluid immunoglobulins M, A, and G in Japanese encephalitis. *J. Clin. Microbiol.* 26:976-978.
- Kimura-Kuroda, J. and K. Yasui. 1988. Protection of mice against Japanese encephalitis virus by passive administration with monoclonal antibodies. *J. Immunol.* 141:3606-3610.
- Mason, P. W. et al. 1990. Japanese encephalitis-vaccinia recombinants produce particulate forms of the structural membrane proteins and induce high levels of protection against lethal JE infection. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:689.
- Nakamura, H. 1988. [A consideration on the low incidence of Japanese encephalitis cases during recent years in the southwestern region of Japan]. *Trop. Med.* 30:191-198. In Japanese.
- Yasui, K. et al. 1990. Analysis of Japanese encephalitis (JE) virus genome and implications for recombinant JE vaccine. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:663-669.
- Yasui, K. et al. 1990. Epitope analysis of Japanese encephalitis virus E protein. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:693.
- Yu, Y. X. et al. 1988. Safety of a live-attenuated Japanese encephalitis virus vaccine (SA<sub>14-14-2</sub>) for children. *Am. J. Trop. Med. Hyg.* 39:214-217.
- BUNYAVIRUSES**
- Boromisa, R. D. and M. A. Grayson. 1991. Oral transmission of Jamestown Canyon virus by *Aedes provocans* mosquitoes from northeastern New York. *J. Am. Mosq. Control Assoc.* 7:42-47.
- Campbell, G. L. et al. 1991. Isolation of Jamestown Canyon virus from boreal *Aedes* mosquitoes from the Sierra Nevada of California. *Am. J. Trop. Med. Hyg.* 44:244-249.
- Grimstad, P. R. and E. D. Walker. 1991. *Aedes triseriatus* (Diptera: Culicidae) and La Crosse virus. IV. Nutritional deprivation of larvae affects the adult barriers to infection and transmission. *J. Med. Entomol.* 28:378-386.
- Heard, P. B. et al. 1991. Laboratory transmission of Jamestown Canyon and Snowshoe Hare Viruses (Bunyaviridae: California serogroup) by several species of mosquitoes. *J. Am. Mosq. Control Assoc.* 7:94-102.

#### BUNYAVIRUSES—Rift Valley fever

- Logan, T. M. et al. 1991. Isolation of Rift Valley fever virus from mosquitoes (Diptera: Culicidae) collected during an outbreak in domestic animals in Kenya. *J. Med. Entomol.* 28:293-295.
- Sarthou, J. L. et al. 1989. Isolation of Rift Valley fever virus from human peripheral blood mononuclear cells: Mauritanian epidemic. *Res. Virol.* 140:263-270.
- Turell, M. J. and C. A. Rossi. 1991. Potential for mosquito transmission of attenuated strains of Rift Valley fever virus. *Am. J. Trop. Med. Hyg.* 44:278-282.

#### PARASITIC DISEASES

- Dye, C. 1990. Epidemiological significance of vector-parasite interactions. *Parasitology* 101:409-415.

#### MALARIA—General

- Bennett, G. F. et al. 1991. Avian hematozoa from west-central Bolivia. *J. Parasitol.* 77:207-211.
- Edirisinghe, J. S. 1988. Historical references to malaria in Sri Lanka and some notable episodes up to present time. *Ceylon Med. J.* 33:110-117.
- Edirisinghe, J. S. 1988. Malaria, the scourge of the tropics: historical references to malaria in Sri Lanka and some notable episodes up to present times. *Ceylon Med. J.* 33:143-150.

#### MALARIA—Diagnosis

- Pornsilapatip, J. et al. 1990. Detection of plasmodia in acridine orange stained capillary tubes (the QBC system). *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:534-540.

#### MALARIA—Clinical

- Corkill, J. A. et al. 1989. Newborn splenic volumes vary under different malaria endemic conditions. *Arch. Dis. Childhood* 64:541-545.
- Currie, B. and I. Kewau. 1988. Hypoglycaemia in malaria. *Papua N. Guin. Med. J.* 31:65-67.
- Facer, C. A. and G. C. Jenkins. 1989. Abnormal features of peripheral blood films from Gambian children with malaria. *Ann. Trop. Paed.* 9:107-110.
- Gupta, N. et al. 1988. Role of immune complexes in cerebral malaria. *Pathology* 20:373-376.
- Jhamb, U. and S. Ramji. 1988. Congenital malaria: mixed infection at birth. *Ind. Pediatrics* 25:1110-1111.

- Jhamb, U. and S. Ramji. 1988. Congenital malaria: mixed infection at birth. *Ind. Pediatrics* 25:1110-1111.
- Phillips, R. E. 1989. Hypoglycaemia is an important complication of falciparum malaria. *Quart. J. Med. (N.S.)* 71:477-483.
- Pongponratn, E. et al. 1991. Microvascular sequestration of parasitized erythrocytes in human falciparum malaria: a pathological study. *Am. J. Trop. Med. Hyg.* 44:168-175.
- MALARIA—Drugs**
- Anonymous. 1991. Canadian recommendations for the prevention and treatment of malaria among international travellers. *Can. Dis. Wkly. Rpt.* 17S2, 36 pp.
- Anonymous. 1991. Treatment of severe *Plasmodium falciparum* malaria with quinidine gluconate. *Morb. Mortal. Wkly. Rpt.* 40(14):240.
- Cao, H.-m. and X.-q. Pan. 1990. Effect of ketotifen on the ultrastructure of the erythrocytic stages of *Plasmodium yoelii*. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:545-551.
- Davidson, D. E. 1991. Qinghaosu drugs: a new generation of antimalarials. *TDR News*, 35, March 1991, p. 7.
- Dutta, G. P. et al. 1989. Comparison of antimalarial efficacy of artemisin (qinghaosu) and arteether against *Plasmodium cynomolgi* B infection in monkeys. *Trans. Roy. Soc. Trop. Med. Hyg.* 83:56-57.
- Hershko, C. and T. E. A. Peto. 1988. Deferoxamine inhibition of malaria is independent of host iron status. *J. Exp. Med.* 168:375-387.
- Krogstad, D. J. and B. L. Herwaldt. 1988. Chemoprophylaxis and treatment of malaria. *N. Engl. J. Med.* 319:1538-1540.
- Kumar, A. and G. P. Dutta. 1989. Antimalarial activity of demeclocycline against *Plasmodium cynomolgi bastianellii* in rhesus monkeys. *Ann. Trop. Med. Parasitol.* 83:199-206.
- McLaughlin, G. L. et al. 1988. DNA hybridization for assessment of response of *Plasmodium falciparum* to chloroquine therapy. *J. Clin. Microbiol.* 26:1704-1707.
- Osifo, N. G. 1989. Mechanisms of enhanced pruritogenicity of chloroquine among patients with malaria: a review. *Afr. J. Med. Med. Sci.* 18:121-129.
- Peters, W. et al. 1989. The chemotherapy of rodent malaria. XLIV. Studies on the mode of action of CM 6606, an indolo (3,2-c) quinoline N-oxide. *Ann. Trop. Med. Parasitol.* 83:1-10.
- Schapira, A. et al. 1988. The *Plasmodium falciparum* chloroquine *in vivo* test: extended follow-up is more important than parasite counting. *Trans. Roy. Soc. Trop. Med. Hyg.* 82:39-43.
- Shi, Y. L. et al. 1989. [Ultrastructural study on effect of primaquine on sporogonic stage of *Plasmodium yoelii nigeriensis*.] *Acta Pharmacol. Sinica* 10:282-284. In Chinese.
- Taylor, T. E. et al. 1988. Blood glucose levels in Malawian children before and during the administration of intravenous quinine for severe falciparum malaria. *N. Engl. J. Med.* 319:1040-1047.
- White, N. J. et al. 1988. Chloroquine treatment of severe malaria in children: pharmacokinetics, toxicity, and new dosage recommendations. *N. Engl. J. Med.* 319:1493-1500.
- MALARIA—Treatment**
- Lelarge, P. et al. 1989. [Severe and atypical form of *Plasmodium falciparum* malaria treated with intravenous quinine and exsanguino-transfusion.] *La Presse Med.* 18:540. In French.
- MALARIA—Drug Resistance**
- Arias, A. E. and A. Corredor. 1989. Low response of Colombian strains of *Plasmodium vivax* to classical antimalarial therapy. *Trop. Med. Parasitol.* 40:21-23.
- Couzigou, P. Y. and J. M. Raymond. 1989. [Failure of chloroquine prophylaxis in Niger.] *La Presse Med.* 18:895. In French.
- Draper, C. C. et al. 1988. Serial studies on the evolution of drug resistance in malaria in an area of East Africa: findings from 1979 up to 1986. *J. Trop. Med. Hyg.* 91:265-273.
- Freese, J. A. et al. 1988. *In vitro* confirmation of chloroquine-resistant *Plasmodium falciparum* malaria in KwaZulu. *S. Afr. Med. J.* 74:576-578.
- Gibody, M. and M. B. Denis. 1988. Response of Kampuchean strains of *Plasmodium falciparum* to antimalarials: *in vivo* assessment of quinine and quinine plus tetracycline: multiple drug resistance *in vitro*. *J. Trop. Med. Hyg.* 91:205-211.
- Harinasuta, T. et al. 1990. Quinine resistant falciparum malaria treatment with mefloquine. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:552-557.
- Lepers, J. P. et al. 1988. [Study of *in vitro* *Plasmodium falciparum* sensitivity to chloroquine in the highlands of Madagascar in 1987.] *Bull. Soc. Pathol. Exot. Fil.* 81:338-344. In French.
- Maboshe, M. N. and F. K. Wurapa. 1988. A comparison of the sensitivity of *Plasmodium falciparum* malaria to chloroquine in two areas of Isoka District, Zambia. *Cent. Afr. J. Med.* 34:244-246.
- MALARIA—Prophylaxis**
- Anonymous. 1991. Important information on mefloquine malaria prophylaxis. *Calif. Morbid.* 9/10:1.
- Anonymous. 1991. Revised dosage for malaria prophylaxis with mefloquine. *Publ. Hlth. Letter* (Los Angeles Co.) 13(2):2-3.
- Lackritz, E. M. et al. 1991. Imported *Plasmodium falciparum* malaria in American travelers to Africa. Implications for prevention strategies. *J. Am. Med. Assoc.* 265:383-385.
- Lobel, H. O. et al. 1991. Effectiveness and tolerance of long-term malaria prophylaxis with mefloquine. Need for a better dosing regimen. *J. Am. Med. Assoc.* 265:361-364.
- Schapira, A. and F. Da Costa. 1988. Studies on malaria prophylaxis with chlorproguanil or chloroquine in Mozambique. *Cent. Afr. J. Med.* 34:44-49.
- MALARIA—Parasite biology**
- Anonymous. 1987. The biology of malaria parasites. Report of a WHO scientific group. *WHO Tech. Rpt. Ser. No. 743*, 229 pp.

- Fagbenro-Beyioku, A. F. and J. P. O. Oyerinde. 1989. Experimental infections of *Plasmodium yoelii nigeriensis* in mice and rats, and hosts' reactions. Afr. J. Med. Med. Sci. 18:25-32.
- Krungkrai, J. et al. 1989. Characterization of cobalamin-dependent methionine synthase purified from the human malarial parasite, *Plasmodium falciparum*. Parasitol. Res. 75:512-517.
- Kwiatkowski, D. 1989. Febrile temperatures can synchronize the growth of *Plasmodium falciparum* in vitro. J. Exp. Med. 169:357-361.
- Magowan, C. et al. 1988. Cytoadherence by *Plasmodium falciparum*-infected erythrocytes is correlated with the expression of a family of variable proteins on infected erythrocytes. J. Exp. Med. 168:1307-1320.
- Trenholme, K. R. and R. S. Phillips. 1989. The use of murine feeder cells in the cultivation of *Plasmodium falciparum* asexual blood stages. Parasitol. Res. 75:518-521.
- Udomsangpetch, R. et al. 1989. *Plasmodium falciparum*-infected erythrocytes form spontaneous erythrocyte rosettes. J. Exp. Med. 169:1835-1840.
- Wortman, A. et al. 1989. Cloning of *Plasmodium yoelii* genes expressing three different sporozoite-specific antigens. Microb. Pathogen. 6:227-231.

### MALARIA—Immunity

- Anonymous. 1989. Riboflavin status and resistance to *Plasmodium*. Nutr. Revs. 47:181-183.
- Baird, J. K. et al. 1990. Evidence for specific suppression of gametocytogenesis by *Plasmodium falciparum* in residents of hyperendemic Irian Jaya. Am. J. Trop. Med. Hyg. 44:183-190.
- Clyde, D. F. 1989. Epidemiologic significance of immunity in vivax malaria. Epidem. Reviews 11:109-125.
- Grau, G. E. et al. 1988. Prevention of experimental cerebral malaria by anticytokine antibodies: interleukin 3 and granulocyte macrophage colony-stimulating factor are intermediates in increased tumor necrosis factor production and macrophage accumulation. J. Exp. Med. 168:1499-1504.
- Hogh, B. et al. 1991. A longitudinal study of seroreactivities to *Plasmodium falciparum* antigens in infants and children living in a holoendemic area of Liberia. Am. J. Trop. Med. Hyg. 44:191-200.
- Jarra, W. and K. N. Brown. 1989. Protective immunity to malaria: studies with cloned lines of rodent malaria in CBA/Ca mice. IV. The specificity of mechanisms resulting in crisis and resolution of the primary acute phase parasitaemia of *Plasmodium chabaudi chabaudi* and *P. yoelii yoelii*. Paras. Immunol. 11:1-13.
- Jaynes, J. M. et al. 1988. In vitro cytoidal effect of novel lytic peptides on *Plasmodium falciparum* and *Trypanosoma cruzi*. FASEB J. 2:2878-2883.
- Millet, P. et al. 1989. In-vitro exoerythrocytic development of *Plasmodium cynomolgi bastianelli*: inhibitory activity of monoclonal antibodies against sporozoites of different *P. cynomolgi* strains and of *P. knowlesi*. Paras. Immunol. 11:223-230.
- Rahman, N. N. N. A. 1990. The effect of *Schistosoma mansoni* infection on anti-*Plasmodium chabaudi* antibody formation in concurrently infected mice. Trop. Biomed. 7:35-41.
- Somasundaram, C. et al. 1989. An in vivo study on the effect of the immunosuppressant drug cyclosporin in malaria-infected mice. Trans. Roy. Soc. Trop. Med. Hyg. 83:71.
- Udezeue, E. O. 1989. Malarial antibody in Nigerian children born abroad after their return home. Trans. Roy. Soc. Trop. Med. Hyg. 83:63-65.
- Wongsrichanalai, C. et al. 1991. Naturally acquired circumsporozoite antibodies and their role in protection in endemic falciparum and vivax malaria. Am. J. Trop. Med. Hyg. 44:201-204.

### MALARIA—Immunization

- Charoenvit, Y. et al. 1991. Inability of malaria vaccine to induce antibodies to a protective epitope within its sequence. Science 251:668-671.
- Etlinger, H. M. et al. 1988. Assessment in mice of a synthetic peptide-based vaccine against the sporozoite stage of the human malaria parasite, *Plasmodium falciparum*. Immunology 64:551-558.

- Hoffman, S. L. et al. 1991. Progress toward malaria preerythrocytic vaccines. *Science* 252:520-521.
- Khusmith, S. et al. 1991. Protection against malaria by vaccination with sporozoite surface protein 2 plus CS protein. *Science* 253:715-718.
- Pavia, C. S. and C. J. Niederbuhi. 1991. Immunization and protection against malaria during murine pregnancy. *Am. J. Trop. Med. Hyg.* 44:176-182.
- Zavala, F. 1988. Development of a synthetic vaccine against malaria sporozoites. *Mem. Inst. Butantan* 50(Suppl.):13-14.
- Yang, B. L. et al. 1988. [Further studies on the rise and decline of *Plasmodium vivax* gametocyte viability.] *Chin. J. Epidemiol.* 9:329-331. In Chinese.
- Zahar, A. R. 1988. Vector bionomics in the epidemiology and control of malaria. Part II. The WHO European Region and the WHO Eastern Mediterranean Region. Vol. 1. *Vector Laboratory Studies. Wld. Hlth. Organ.*, 228 pp.
- Zheng, K. S. et al. 1989. [To explore the principal vector of malaria by using vectorial capacity.] *Chin. J. Epidemiol.* 10:161-163. In Chinese.

#### MALARIA—Vectors

- Beier, J. C. and J. K. Koroa. 1991. Anatomical dissemination of circumsporozoite protein in wild afrotropical *Anopheles* affects malaria sporozoite rate determination by ELISA. *Med. Vet. Entomol.* 5:81-85.
- Beier, J. C. et al. 1991. Quantitation of malaria sporozoites in the salivary glands of wild afrotropical *Anopheles*. *Med. Vet. Entomol.* 5:63-70.
- Beier, J. C. et al. 1991. Quantitation of malaria sporozoites transmitted *in vitro* during salivation by wild afrotropical *Anopheles*. *Med. Vet. Entomol.* 5:71-79.
- Boudin, C. et al. 1989. [Production of human *Plasmodium* sporozoites in Bobo-Dioulasso (Burkina Faso).] *Ann. Soc. Belge Med. Trop.* 69:3-23. In French.
- Dearly, A. L. et al. 1987. Sexual development in *Plasmodium berghei*: the use of mitomycin C to separate infective gametocytes *in vivo* and ookinete *in vitro*. *Int. J. Parasitol.* 17:1307-1312.
- Fontenille, D. and I. Rakotoarivony. 1988. Reappearance of *Anopheles funestus* as a malaria vector in the Antananarivo region, Madagascar. *Trans. Roy. Soc. Trop. Med. Hyg.* 82:644-645.
- Hati, A. K. et al. 1988. A newly discovered habitat of *Anopheles stephensi* in present-day Calcutta with evidence of natural malarial infection. *Trop. Geog. Med.* 40:376-377.
- Ichimori, K. 1989. Mosquito susceptibility to malaria. *Jap. J. Sanit. Zool.* 40:1-12.
- Lacey, L. A. 1991. Re: *Anopheles nigerrimus* as a vector of malaria in India. Author's response. *J. Am. Mosq. Control Assoc.* 7:132.
- Mimoglu, M. M. et al. 1988. [Relations between density of breeding season populations of *Anopheles sacharovi* and malarial cases in Cukurova.] *Turk Hiyen ve Deneysel Biyoloji Dergisi* 45:195-199. In Turkish.
- Ponnudurai, T. et al. 1989. Sporozoite load of mosquitoes infected with *Plasmodium falciparum*. *Trans. Roy. Soc. Trop. Med. Hyg.* 83:67-70.
- Ponnudurai, T. et al. 1989. Infectivity of cultured *Plasmodium falciparum* gametocytes to mosquitoes. *Parasitology* 98:165-173.
- Reuben, R. 1991. Re: *Anopheles nigerrimus* as a vector of malaria in India. *J. Am. Mosq. Control Assoc.* 7:132.
- Shehata, M. G. et al. 1989. *Anopheles sergenti* (Theobald): a potential malaria vector in Egypt. *Ann. Parasitol. Hum. Comp.* 64:72-76.
- Wirtz, R. A. et al. 1991. Evaluation of monoclonal antibodies against *Plasmodium vivax* sporozoites by ELISA development. *Med. Vet. Entomol.* 5:17-22.
- Yang, B. L. et al. 1988. [Further studies on the rise and decline of *Plasmodium vivax* gametocyte viability.] *Chin. J. Epidemiol.* 9:329-331. In Chinese.
- Zahar, A. R. 1988. Vector bionomics in the epidemiology and control of malaria. Part II. The WHO European Region and the WHO Eastern Mediterranean Region. Vol. 1. *Vector Laboratory Studies. Wld. Hlth. Organ.*, 228 pp.
- Zheng, K. S. et al. 1989. [To explore the principal vector of malaria by using vectorial capacity.] *Chin. J. Epidemiol.* 10:161-163. In Chinese.

#### MALARIA—Epidemiology

- Baird, J. K. et al. 1990. *Plasmodium ovale* in Indonesia. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:541-544.
- Facer, C. A. 1989. Malaria, hereditary elliptocytosis, and pyropoikilocytosis. *Lancet* 1989:897.
- Ferraroni, J. J. et al. 1986/1987. [Human malaria in the Brazilian Amazon.] *Acta Amazonica* 16/17:337-361. In Portuguese.
- Greenaway, C. A. and J. D. MacLean. 1990. Malaria in tourists to the Dominican Republic. *Can. Dis. Wkly. Rpt.* 16:227-229.
- Jambulingam, P. et al. 1989. Detection of *Plasmodium ovale* in Koraput district, Orissa state. *Ind. J. Med. Res.* 89(March):115-116.
- Julvez, J. and S. Blanchy. 1988. [Malaria in Comoro archipelago: historical and geophysical aspects, epidemiological assessments.] *Bull. Soc. Pathol. Exot. Fil.* 81:847-853. In French.
- Restrepo, M. et al. 1988. HLA and malaria in four Colombian ethnic groups. *Rev. Inst. Med. Trop. São Paulo* 30:323-331.
- Spencer, T. E. T. 1988. Indigenous malaria in the D'Entrecasteaux Islands, Papua New Guinea. *Papua N. Guin. Med. J.* 31:45-55.

#### MALARIA—Control

- Carnevale, P. et al. 1988 (1989). [Pyrethroid-impregnated mosquito nets for the control of malaria in Burkina Faso.] *Bull. Soc. Pathol. Exot. Fil.* 81:832-846. In French.

#### FILARIASIS

- Chen, C. C. and C. S. Chen. 1990. Effects of encapsulation on the nutrient uptakes of microfilariae. *Proc. 5th Int. Colloq. Invert. Pathol. Microb. Cont.*, p. 231.
- Comley, J. C. W. et al. 1989. Colorimetric quantitation of filarial viability. *Int. J. Parasitol.* 19:77-83.
- Dissanaike, A. S. 1988. Lymphatic filariasis: some recent trends and advances. *Ceylon Med. J.* 33:121-125.
- Dreyer, G. and L. De Andrade. 1989. Inappropriateness of the association of diphenhydramine with diethylcarbamazine for the treatment of lymphatic filariasis. *J. Trop. Med. Hyg.* 92:32-34.
- Freedman, D. O. et al. 1989. Selective up-regulation of endothelial cell class I MHC expression by cytokines from patients with lymphatic filariasis. *J. Immunol.* 142:653-658.
- Lal, R. B. and E. A. Ottesen. 1989. Antibodies to phosphocholine-bearing antigens in lymphatic filar-

- iosis and changes following treatment with diethylcarbamazine. *Clin. Exp. Immunol.* 75:52-57.
- Nutman, T. B. 1989. Protective immunity in lymphatic filariasis. *Exp. Parasitol.* 68:248-252.

### WUCHERERIA

- Das, M. K. et al. 1988. Immune complexes in *Wuchereria bancrofti* filariasis specific for phosphorylcholine and infective larval antigens. *Med. Sci. Res.* 16:1055-1056.
- Hitch, W. L. et al. 1991. Analysis of isotype-specific antifilarial antibody levels in a Haitian pediatric population. *Am. J. Trop. Med. Hyg.* 44:161-167.
- Joire, E. et al. 1988. [Bancroftian filariasis in Mayotte: evaluation of the prevalence of clinical complications.] *Med. Malad. Infect.* 18:251-252. In French.
- Rajasekariah, G. R. et al. 1988. *Wuchereria bancrofti* larvae in naturally infected *Culex quinquefasciatus*. *Ann. Trop. Med. Parasitol.* 82:637-639.
- Ramaprasad, P. and B. C. Harinath. 1989. Fractionation, characterization and diagnostic potential of filarial antigens isolated from hydrocoele fluid in bancroftian filariasis. *Trans. Roy. Soc. Trop. Med. Hyg.* 83:90-94.

### BRUGIA

- Freedman, D. O. et al. 1988. Enhanced solubilization of immunoreactive proteins from *Brugia malayi* adult parasites using cetyltrimethylammonium bromide. *Exp. Parasitol.* 65:244-250.
- Longworth, D. L. et al. 1988. *Brugia malayi*: arachidonic acid uptake into lipid bodies of adult parasites. *Exp. Parasitol.* 65:251-257.
- Nayar, J. K. and J. W. Knight. 1991. Nutritional factors and antimicrobials on development of infective larvae of subperiodic *Brugia malayi* (Nematoda: Filarioidea) in *Anopheles quadrimaculatus* and *Aedes aegypti* (Diptera: Culicidae). *J. Med. Entomol.* 28:275-279.

### DIROFILARIA

- Abraham, D. and R. B. Grieve. 1991. Passive transfer of protective immunity to larval *Dirofilaria immitis* from dogs to BALB/c mice. *J. Parasitol.* 77:254-257.
- Lowrie, R. C. Jr. 1991. Poor vector efficiency of *Culex quinquefasciatus* following infection with *Dirofilaria immitis*. *J. Am. Mosq. Control Assoc.* 7:30-36.

### TECHNIQUE

- Freier, J. E. and D. B. Francy. 1991. A duplex cone trap for the collection of adult *Aedes albopictus*. *J. Am. Mosq. Control Assoc.* 7:73-79.
- Geysen, H. M. 1990. Molecular technology: peptide epitope mapping and the pin technology. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:523-533.
- Mak, J. W. 1990. Multiple peptide synthesis in research on parasitic diseases. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:518-520.
- Reiter, P. et al. 1991. Enhancement of the CDC ovitrap with hay infusions for daily monitoring of *Aedes*

- aegypti* populations. *J. Am. Mosq. Control Assoc.* 7:52-55.

- Ritchie, S. 1991. Radar: a cure for your rainy day blues. *Wing Beats* 2:14, 16, 18.
- Ritchie, S. A. and D. S. Addison. 1991. Collection and separation of *Aedes taeniorhynchus* eggshells from mangrove soil. *J. Am. Mosq. Control Assoc.* 7:113-115.

### SPRAY EQUIPMENT

- Robinson, J. and J. Ruff. 1991. The new generation from "London." *Wing Beats* 2:4, 6.

### CONTROL

- Bennett, G. W. et al. 1988. Truman's scientific guide to pest control operations (4th ed.). Duluth, Minn., Edgell Communications, 495 pp.
- Challet, G. L. 1991. Elements of a vector control program. *J. Am. Mosq. Control Assoc.* 7:103-106.
- Rajagopalan, P. K. and K. N. Panicker. 1986. Vector control: how to gain acceptance and support from the community. *WHO Chron.* 40:184-187.
- Sjogren, R. D. 1991. Mosquito control: what does the future hold? *Pest Control*, March 1991, p. 10.

### AGENCIES

- Challet, G. L. 1988. Problem-solving at the local level. Organization and management of mosquito control districts. *J. Environ. Hlth.* 51:79-80.
- Wilkinson, N. 1991. Making society mosquito-wise. *Wing Beats* 2:20-22.

### CULTURAL CONTROL

- Carlson, D. B. et al. 1991. A review of current salt marsh management issues in Florida. *J. Am. Mosq. Control Assoc.* 7:83-88.

### INSECTICIDES

- Anderson, A. L. et al. 1991. Effectiveness of mist-blower applications of malathion and permethrin to foliage as barrier sprays for salt marsh mosquitoes. *J. Am. Mosq. Control Assoc.* 7:116-117.
- Ansari, M. A. et al. 1988. The value of spraying catchments in a control programme. *Ind. J. Malariaol.* 25:17-22.
- Beehler, J. W. et al. 1991. Residual toxicity of four insecticides to *Aedes triseriatus* in scrap tires. *J. Am. Mosq. Control Assoc.* 7:121-122.
- Bounias, M. et al. 1989. Functional relationships between free amino acids in the hemolymph of fourth instar larvae of the mosquito *Aedes aegypti* (Diptera, Culicidae) as a basis for toxicological studies. *J. Invert. Pathol.* 54:16-22.
- Chiang, G. L. et al. 1990. Adulticidal effect of Vincycide® paint against insects of public health importance in Malaysia. *Trop. Biomed.* 7:43-47.
- Davidson, G. 1989. Insecticide usage: an anti-alarmist view of its advantages and disadvantages. *Trop. Dis. Bull.* 86:R1-R6.

- Focks, D. A. et al. 1991. Effect of permethrin treatment of cattle on *Psorophora columbiæ* populations: preliminary field test of a host management concept. *J. Am. Mosq. Control Assoc.* 7:1-6.
- Gracheva, G. V. et al. 1989. [Age-related changes of various mosquito species sensitivity to DDT.] *Med. Parazitol. Parazit. Bol.* 1989;30-31. In Russian.
- Hodgson, E. and R. J. Kuhr. 1990. Safer insecticides: development and use. New York, Marcel Dekker Inc., 592 pp.
- Lam, W. K. 1990. A field trial to evaluate Dimilin WP-25, an insect growth regulator, as a larvicide for controlling *Aedes albopictus* (Skuse) breeding in septic tanks in Kuala Kansar, Perak. *Trop. Biomed.* 7:83-89.
- Martono. 1988. Direct impact of agricultural insecticide application on anopheline larvae population with special reference to *An. aconitus* Donitz in rice field. *Bull. Hlth. Stud. Indones.* 16:1-5.
- Mix, J. 1991. Aerial attacks. *Pest Control*, March 1991, pp. 42-43, 46.
- Saxena, S. C. and R. K. Kaushik. 1988. Total developmental arrest of fourth instar larvae of *Culex quinquefasciatus* treated with penfluron. *Curr. Sci., India* 57:1196-1199.
- Yang, X. 1989. [Study on inhibiting effect of 14 insecticides on esterase of *Culex tritaeniorhynchus* from five geographic populations.] *Chin. J. Epidemiol.* 10:164-166. In Chinese.
- Yap, H. H. et al. 1990. Field efficacy of mosquito coil formulations containing d-allethrin and d-transallethrin against indoor mosquitoes especially *Culex quinquefasciatus* Say. *S. E. Asian J. Trop. Med. Publ. Hlth.* 21:558-563.

### TOXICOLOGY

- Chattopadhyay, P. et al. 1988. Health effects among workers involved in the manufacture of hexachlorocyclohexane. *J. Soc. Occup. Med.* 38:77-81.
- Clausing, P. and M. Lauch. 1988. [The effect of xenobiotics on the behaviour of birds at different stages of development—a literature review.] *Wissenschafts. Zeitsch. Humboldt-Univ. Berlin, Mathemat. Naturwissenschaft.* 37:270-273. In German.
- Cole, D. C. et al. 1988. Pesticide illness surveillance: the Nicaraguan experience. *Bull. Pan-Amer. Hlth. Organ.* 22:119-132.
- Day, K. E. et al. 1987. Impact of fenvalerate on enclosed freshwater planktonic communities and on *in situ* rates of filtration of zooplankton. *Can. J. Fish. Aquat. Sci.* 44:1714-1728.
- Hester, P. G. et al. 1991. Effects of Arosurf® MSF on a variety of aquatic nontarget organisms in the laboratory. *J. Am. Mosq. Control Assoc.* 7:48-51.
- Jani, J. P. et al. 1988. Levels of dichlorodiphenyltrichloroethane and hexachlorocyclohexane in human adipose tissue of the Indian population. *Scand. J. Work Environ. Hlth.* 14:201-204.
- Liong, P. C. et al. 1988. Toxicity of some pesticides towards freshwater fishes. *Malay. Agric. J.* 54:147-156.
- Matsumoto, K. et al. 1989. [Effect of several factors on indoor air pollution—mutagenicity of mosquito coil smoke.] *Jap. J. Toxicol. Environ. Hlth.* 35:237-240. In Japanese.

- Mohideen, M. B. and P. M. Reddy. 1987. Changes in the brain protein profiles of freshwater fish *Cyprinus carpio* under malathion stress. *Zeitschr. Angew. Zool.* 74:293-297.
- Rao, S. S. and S. S. Purkayastha. 1989. Induction of acidosis by acute oral exposure to insect repellent N,N-diethylphenylacetamide in rats. *Curr. Sci., India* 58:136-137.
- Thathoo, A. K. and M. C. Prasad. 1988. Gestational disorders associated with malathion toxicity in sheep. *Indian Vet. J.* 65:379-382.

### RESISTANCE

- Anonymous. 1991. Battling mosquito resistance. *Pest Control*, March 1991, pp. 64, 66.
- Lee, H. L. 1990. A rapid and simple biochemical method for the detection of insecticide resistance due to elevated esterase activity in *Culex quinquefasciatus*. *Trop. Biomed.* 7:21-28.
- Mekuria, V. et al. 1991. Insecticide susceptibility of *Aedes aegypti* from Santo Domingo, Dominican Republic. *J. Am. Mosq. Control Assoc.* 7:69-72.
- Pasteur, N. and G. P. Georghiou. 1989. Improved filter paper test for detecting and quantifying increased esterase activity in organophosphate-resistant mosquitoes (Diptera: Culicidae). *J. Econ. Entomol.* 82:347-353.

### TAXONOMY

- Blech, H. and K. Rohlfien. 1987. [Catalogue of types stored in the collections of the Department of Insect Taxonomy of the Institute of Plant Protection Studies, District of Eberswalde (formerly German Institute of Entomology)—XXV. (Diptera: Nematocera).] *Beitrag. Entomol.* 37:203-258. In German.
- da Cunha Ramos, H. and H. Ribeiro. 1990. Research on the mosquitoes of Angola (Diptera, Culicidae). XX. *Eretmapodites mortiauxi*, a new species of the leucopus group. *Bol. Soc. Portuguesa Entomol.* 4-13:137-144.
- Danilov, V. N. 1983 (1985). A key for the mosquitoes of the genus *Mansonia* of the afrotropical region (Diptera: Culicidae). *Anais Inst. Hig. Med. Trop.* 9(1/4):31-36.
- Harbach, R. E. and E. L. Peyton. 1990. Transfer of the subgenus *Davismyia* from *Wyeomyia* to *Sabettas* and description of the type species, *Miamiya petrocchiae* (Diptera: Culicidae). *Mosq. Syst.* 22:149-159.
- Harbach, R. E. et al. 1990. The J. Pedro Duret mosquito collection (Diptera: Culicidae). *Mosq. Syst.* 22:192-195.
- Harrison, B. A. et al. 1990. Taxonomic changes, revised occurrence records and notes on the Culicidae of Thailand and neighboring countries. *Mosq. Syst.* 22:196-230.
- Miyagi, I. et al. 1990. *Topomyia (Topomyia) yongi*, a new species of mosquito from peninsular Malaysia (Diptera: Culicidae). *Mosq. Syst.* 22:185-191.
- Phan, T. P. et al. 1990. *Anopheles (Anopheles) cuc-phuongensis*: a new species from Vietnam (Diptera: Culicidae). *Mosq. Syst.* 22:145-148.
- Rattananarithkul, R. and R. E. Harbach. 1990. *Anopheles maculatus* (Diptera: Culicidae) from the type

- locality of Hong Kong and two new species of the maculatus complex from the Philippines. *Mosq. Syst.* 22:160-183.
- Reinert, J. F. 1990. Medical entomology studies. XVII. Biosystematics of *Kenknightia*, a new subgenus of the mosquito genus *Aedes* Meigen from the Oriental Region (Diptera: Culicidae). *Contr. Am. Entomol. Inst.* 26(2), iii + 119 pp.
- Service, M. W. 1990. Handbook to the Afrotropical Toxorhynchitine and Culicine mosquitoes, excepting *Aedes* and *Culex*. London, U.K., Brit. Mus. (Nat. Hist.), 207 pp.

### DISTRIBUTION

- Amerasinghe, F. P. and T. G. Ariyasena. 1991. Survey of adult mosquitoes (Diptera: Culicidae) during irrigation development in the Mahaweli Project, Sri Lanka. *J. Med. Entomol.* 28:387-393.
- Cambournac, F. J. C. et al. 1984 (1988). [*Culex (Lutzia) tigripes* (Grandpré); another new species for Cape Verde.] *Anais Inst. Hig. Med. Trop.* 10:41-46. In Portuguese.
- Cheung, W. W. K. et al. 1990. Mosquito populations at the Chinese University campus and proposed strategies for their control: a preliminary study. *Mosq.-Borne Dis. Bull.* 7:95-98.
- Cornel, A. J. and R. H. Hunt. 1991. *Aedes albopictus* in Africa? First records of live specimens in imported tires in Cape Town. *J. Am. Mosq. Control Assoc.* 7:107-108.
- da Cunha Ramos, H. 1983 (1985). Research on the mosquitoes of Angola (Insecta, Diptera, Culicidae). XVI—Two new *Uranotaenia* records from the Lunda Province. *Anais Inst. Hig. Med. Trop.* 9:25-29.
- Rajput, K. B. and T. K. Singh. 1990. Report on the occurrence of *Uranotaenia (Uranotaenia) micans* Leicester, 1908 in the State of Manipur, India. *Mosq. Syst.* 22:184.
- Ribeiro, H. et al. 1983 (1985). Research on the mosquitoes of Portugal (Diptera, Culicidae). X. A new aedine record: *Aedes punctor* (Kirby, 1937). *Anais Inst. Hig. Med. Trop.* 9:37-40.

### HOST RESPONSE

- Gillies, M. T. 1991. An oral mosquito vaccine? *Antenna* 15(2):57.

### BOOKS, BOOKLETS, AND REPORTS

- Anonymous. 1991. Ohio Vector News 10(1), 16 pp.
- Anonymous. 1991. TDR News. UNDP/WORLD BANK/WHO Spec. Prog. Res. Train. Trop. Dis., 35, March 1991, 8 pp.
- Fontaine, R. E. (ed.) 1991. Vector Ecology Newsletter 22(1), 16 pp.
- Long, J. D. (ed.) 1991. AMCA Newsletter 17(1), 24 pp.
- Long, J. D. (ed.) 1991. AMCA Newsletter 17(2), 14 pp.

### BIOGRAPHY

- Chapman, H. C. 1991. William R. Kellen 1926-1990. *J. Am. Mosq. Control Assoc.* 7:140-141.
- Holub, R. E. 1991. Charles F. Scheel 1889-1990. *J. Am. Mosq. Control Assoc.* 7:142.

### MISCELLANEOUS

- Bickley, W. E. and R. A. Ward. 1991. Usage of scientific names. *J. Am. Mosq. Control Assoc.* 7:163.

### LITERATURE

- Anonymous. 1989. Annotated bibliography on mosquito borne diseases in Southeast Asia 1986. Bangkok, Thai.: SEAMEO-TROPMED Nat. Cent. Thail., 87 pp.
- Anonymous. 1990. Publications catalogue. New books 1986-1990. World Health Organization, pp. iv + 248.
- Barr, A. R. 1991. Literature references for mosquitoes and mosquito-borne diseases 1991—part 1. *J. Am. Mosq. Control Assoc.* 7:144-162.
- Coulanges, P. and M. Coulanges. 1990. [Analytical bibliography of the work of the Institute Pasteur of Madagascar. First part 1979-1989.] *Arch. Inst. Pasteur Madagascar* 58(1), 212 pp. In French.
- Resh, V. H. et al. 1991. Where is mosquito research published? *J. Am. Mosq. Control Assoc.* 7:123-125.