

## SELECTED LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1986, Part 2

WILLIAM E. BICKLEY

6516 Fortieth Ave., University Park, MD 20782

Most of the titles listed here have been obtained from *Current Contents* and the *Review of Applied Entomology*, Series B. Selections are made so that mosquito control workers and researchers may keep abreast of current developments. Appreciation is expressed to Dr. Ronald A. Ward for providing many of the entries. The work was supported in part by Grant AI 15643 from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, USDHHS.

### ANATOMY, MORPHOLOGY, AND PHYSIOLOGY

- Aly, C., and W. Schnetter. 1985. [Trophic orientation of 4th-instar larvae of *Aedes vexans* Meig. (Diptera: Culicidae).] *Mitteilungen Deutsch. Gesells. Allg. Angew. Entomol.* 4(4/6):419-422.
- Borovsky, D. et al. 1986. Biosynthesis and distribution of ecdysone and 20-OH-ecdysone in *Aedes aegypti*. *Arch. Insect Biochem. Physiol.* 3(1):19-30.
- Briegel, H. and L. Rezzonico. 1985. Concentration of host blood protein during feeding by anopheline mosquitoes (Diptera, Culicidae). *J. Med. Entomol.* 22(6):612-618.
- Briegel, H. and L. Rezzonico. 1985. Blood meal concentration and fecundity in the malaria mosquito *Anopheles*. *Experientia* 41(9):1224.
- Fritz, M. A. and A. M. Fallon. 1985. Evidence for multiple ribonucleases in crude extracts from cultured mosquito cells. *Insect Biochem.* 15(6):817-826.
- Gillett, J. D. 1984. The effects of decapitation and the influence of size and sex on diuresis in newly emerged mosquitoes. *Physiol. Entomol.* 9:139-144.
- Kenawy, M. A. et al. 1985. Development of cholinesterase activity during the life cycle of two mosquitoes. *J. Egyptian Soc. Parasitol.* 15(1):97-108.
- Kenawy, M. A. et al. 1985. Effect of organophosphorus insecticides on cholinesterase activity in mosquitoes. *J. Egyptian Soc. Parasitol.* 15(1):201-212.
- Kenawy, M. A. et al. 1985. Cholinesterase specificity in two mosquito species. *J. Egyptian Soc. Parasitol.* 15(1):219-229.
- Laurence, B. R. et al. 1985. Absolute configuration of mosquito oviposition attractant pheromone, 6-acetoxy-5-hexadecanolide. *J. Chem. Ecol.* 11(5):643-648.
- Linley, J. R. et al. 1986. Light and scanning electron microscopy of the egg of *Mansonia titillans* (Diptera: Culicidae). *J. Med. Entomol.* 23(1):99-104.
- Livdahl, T. P. and R. K. Koenekoop. 1985. The nature of egg hatching in *Aedes triseriatus*: ecological implications and evolutionary consequences. pp. 439-458 in *Ecology of Mosquitoes . . . Lounibos et al. Eds.*
- Lu, Y. H. and H. H. Hagedorn. 1986. Egg development in the mosquito *Anopheles albimanus* (JIR 00297). *Int. J. Inver. Reprod. Develop.* 9(1):79-94.
- Ma, M. et al. 1986. Monitoring *Aedes aegypti* vitellogenin production and uptake with hybridoma antibodies. *J. Insect Physiol.* 32(3):207-214.
- Nekrasova, L. S. 1986. Variability of some quantitative and qualitative features of bloodsucking mosquitoes *Aedes dorsalis* from the colonies with different larval densities. *Parazitologiya* 20(1):23-31. In Russian.
- Perrone, J. B. et al. 1986. Regions of mosquito salivary glands distinguished by surface lectin-binding characteristics. *Insect Biochem.* 16(2):313-318.
- Racioppi, J. V. et al. 1986. Expression and regulation of vitellogenin messenger RNA in the mosquito, *Aedes aegypti*. *Insect Biochem.* 16(1):211-224.
- Sokolova, M. I. and N. A. Smirnov. 1985. Analysis of the reproductive cycle of blood-sucking mosquitoes Diptera Culicidae. *Biol. Nauki (Mosc)* 0(7):32-37. In Russian.
- Su, X. Q. et al. 1985. Laboratorial observations on the reproductive behavior and longevity of *Culex quinquefasciatus*. *Acta Entomol. Sinica* 28(4):459-461.
- Wong, K. P. and B. C. Ho. 1986. Phenolsulphotransferase activity in the developing mosquito, *Aedes togoi*. *Insect Biochem.* 16(2):293-298.

### ATTRACTANTS AND REPELLENTS

- Anonymous. 1984. Standard test methods for laboratory testing of non-commercial mosquito repellent formulations on the skin. *Amer. Soc. for Testing and Materials, Designation E951-83*. 6 pp.
- Schreck, C. E. and T. P. McGovern. 1985. Repellent tests in the field and laboratory against wild populations of *Mansonia titillans* (Diptera, Culicidae). *J. Med. Entomol.* 22(6):658-652.

### BEHAVIOR, BIOLOGY, AND ECOLOGY

- Ahmadi, A. et al. 1985. Larval diapause in *Aedes sierrensis* in the field under normal and modified photoperiod and temperature. pp. 391-398 in *Ecology of Mosquitoes . . . Lounibos et al. Eds.*
- Appleton, C. C. and B. L. Sharp. 1985. A preliminary study on the emergence of *Mansonia-uniformis* (Diptera: Culicidae) from swamp at Richards Bay Natal South Africa. *J. Entomol. Soc. South. Afr.* 48(1):179-184.
- Barr, A. R. 1985. Population regulation of immature *Culiseta incidens*. pp. 147-159 in *Ecology of Mosquitoes . . . Lounibos et al. Eds.*
- Bradshaw, W. E. and C. M. Holzapfel. 1985. The distribution and abundance of treehole mosquitoes

- in eastern North America: Perspectives from north Florida. pp. 3-23 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Britz, L. 1985. On the classification of breeding-places of mosquitoes (Diptera: Culicidae) Agnew. *Parasitol.* 26(3):157-164. In German.
- Chambers, R. C. 1985. Competition and predation among larvae of three species of treehole breeding mosquitoes. pp. 25-53 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Charlwood, J. D. 1985. The influence of larval habitat on the ecology and behavior of females of the *punctulatus* group of *Anopheles* mosquitoes from Papua New Guinea. pp. 399-406 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Charlwood, J.D. and K. Galgal. 1985. Observations on the biology and behavior of *Armigeres milnensis* Lee (Diptera: Culicidae) in Papua New Guinea. *J. Austral. Entomol. Soc.* 24(4):313-320.
- Charlwood, J. D. et al. 1985. Assessing survival rates of *Anopheles farauti* (Diptera: Culicidae) from Papua New Guinea. *J. Animal Ecol.* 54(3):1003-1016.
- Clark, G. G. et al. 1985. Diurnal biting activity of *Aedes triseriatus* complex (Diptera, Culicidae) in a focus of LaCrosse virus transmission. *J. Med. Entomol.* 22(6):684-690.
- Copps, P. T. et al. 1984. Habitat distribution of mosquitoes in southern Ontario. *Proc. Entomol. Soc. Ontario.* 115-59.
- Corbet, P. S. 1985. Prepupal killing behavior in *Toxorhynchites brevipedalis*: a status report. pp. 407-417 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Curtis, G. A. 1985. Environmentally induced periodicities in citrus-grove mosquitoes. pp. 211-221 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Curtis, C. F. and R. J. Isherwood. 1985. Methods for studying genetic variation in biting and resting behavior. pp. 311-317 in *Mosquito Ecology* . . . Lounibos et al. Eds.
- Dye, C. and G. Hasibeder, 1985. Patterns of mosquito-host contact and disease population dynamics. pp. 265-272 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Edman, J. et al. 1985. Vector-host interplay — Factors affecting disease transmission. pp. 273-285 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Fish, D. 1985. An analysis of adult size variation within natural mosquito populations. pp. 419-429 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Focks, D. A. and S. R. Sackett. 1985. Some factors affecting interaction of *Toxorhynchites amboinensis* with *Aedes* and *Culex* in an urban environment. pp. 55-64 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Frank, J. H. et al. 1985. Density dependent sex-ratio distortion and developmental bimodality in *Wyeomyia vanduzeei*. pp. 155-165 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Gillett, J. D. 1984. Insect swarming: individual or group selection or both? *Antenna* 8(4):177-180.
- Guimaraes, A. E. et al. 1985. Mosquitoes in the National Park of Serra-Dos-Organos State of Rio-de-Janeiro Brazil II. Vertical distribution. *Mem. Inst. Oswaldo Cruz.* 80(2):171-186. In Portuguese
- Haramis, L. D. 1985. Larval nutrition, adult body size and the biology of *Aedes triseriatus*. pp. 431-437 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Hawley, W. A. 1985. Population dynamics of *Aedes sierrensis* pp. 167-184 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Hawley, W. A. 1985. The effect of larval density on adult longevity of a mosquito, *Aedes sierrensis*: epidemiological consequences. *J. Animal Ecol.* 54(3):955-964.
- Istock, C. A. 1985. Pattern and process in life history genetics. pp. 319-325 in *Mosquito Ecology* . . . Lounibos et al. Eds.
- Linthicum, K. J. et al. 1985. Observations on the dispersal and survival of a population of *Aedes lineatopennis* (Ludlow) (Diptera: Culicidae) in Kenya. *Bull. Entomol. Res.* 74(4):661-670.
- Lopes, J. et al. 1985. Ecological studies of wild culicidae (Diptera) breeding in small receptacles of water in forest and woodland of the county of Manaus Amazonas Brazil. *Cienc. Cult (Sao Paulo)* 37(8):1299-1311. In Portuguese.
- Lounibos, L. P. 1985. Interactions influencing production of treehole mosquitoes in south Florida. pp. 65-77 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Kay, B. H. 1985. Rainbow's end?—Thoughts on some viral encephalitides with emphasis on Murray Valley encephalitis. pp. 287-292 in *Mosquito Ecology* . . . Lounibos et al. Eds.
- Koenekoop, R. K. and T. P. Livdahl. Cannibalism among *Aedes triseriatus* larvae. *Ecol. Entomol.* 11(1):111-114.
- Machado-Allison, C. E. et al. 1985. Mosquito communities in Venezuelan Phytotelmata. pp. 79-93 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Marquetti, M. C. 1984. Seasonal study of the larval density of *Anopheles (N) albimanus* (Wiedman 1921) and various climatic and physico-chemical factors in an urban breeding ground. *Rev. Cubana Med. Trop.* 36(3):288-96. In Spanish.
- Mogi, M. et al. 1985. Succession, distribution, overcrowding, and predation in the aquatic community in aroid axils with special reference to mosquitoes. pp. 95-119 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Moore, C. G. 1985. Predicting *Aedes aegypti* abundance from climatologic data. pp. 223-235 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Nasci, R. S. 1985. Behavioral ecology of variation in blood-feeding and its effect on mosquito-borne diseases. pp. 293-303 in *Mosquito Ecology* . . . Lounibos et al. Eds.
- Nasci, R. S. 1985. Local variation in blood feeding by *Aedes triseriatus* and *Aedes hendersoni* (Diptera, Culicidae). *J. Med. Entomol.* 22(6):619-623.
- Oliveira, R. L. D. and T. F. D. Silva. 1985. Aspects of the ecology of mosquitoes in the lowland area Granjas Calabria in Jacarepagua Rio-de-Janeiro Brazil III. Circadian Biting Cycle. *Mem. Inst. Oswaldo Cruz.* 80(2):195-202. In Portuguese.
- O'Meara, G. F. 1985. Ecology of autogeny in mosquitoes. pp. 459-471 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Pritchard, G. and R. A. Mutch. 1985. Temperature, development rates and origins of mosquitoes. pp. 251-258 in *Ecology of Mosquitoes* . . . Lounibos et al. Eds.
- Reisen, W. K. 1985. Male mating competitiveness: the key to some problems associated with the genetic

- control of mosquitoes. pp. 345-358 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Riviere, F. 1985. Effects of two predators on community composition and biological control of *Aedes aegypti* and *Aedes polynesiensis*. pp. 121-135 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Rosignol, P. A. et al. 1985. Enhanced mosquito blood-finding success on parasitemic hosts: Evidence for vector-parasite mutualism. Proc. Nat. Acad. Sci. USA 82(22):7725-7727.
- Russell, R. C. 1985. Male swarming and mating behaviour in *Culex annulirostris* Skuse (Diptera: Culicidae) at Appin, N.S.W. Gen. Appl. Entomol. 17:5-8.
- Service, M. W. 1985. Population dynamics and mortalities of mosquito preadults. pp. 185-201 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Sims, S. R. 1985. Embryonic and larval diapause in *Aedes triseriatus*: phenotypic correlation and ecological consequences of the induction response. pp. 359-369 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Slaff, M. and J. D. Haefner. 1985. Seasonal and spatial distribution of *Mansonia dyari*, *Mansonia titillans* and *Coquillettidia perturbans* (Diptera, Culicidae) in the Central Florida, USA phosphate region. J. Med. Entomol. 22(6):624-629.
- Tabachnick, W. J. and G. P. Wallis. 1985. Population genetic structure of the yellow fever mosquito *Aedes aegypti* in the Caribbean: ecological considerations. pp. 371-381 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Vercruyse, J. 1985. Estimation of the survival rate of *Anopheles arabiensis* in an urban area (Pikine-Senegal). J. Anim. Ecol. 54(2):343-350.
- Washino, R. K. and Thomas, P. A. 1985. Preliminary studies on forecasting mosquito pest and disease outbreaks in California. pp. 25-258 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Zakharova, N. F. and S. P. Rasnitsyn. 1984. Sexual activity of *Anopheles sacharovi* Favre in a laboratory environment. Med. Parazitol. (4):58-64. In Russian.
- Zavortink, T. J. 1985. Observations on the ecology of treeholes and treehole mosquitoes in the southwestern United States. pp. 473-487 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- BIOLOGICAL CONTROL AND  
BIOLOGICAL CONTROL AGENTS**
- Alio, A. Y. et al. 1985. Using fish against mosquito-borne diseases. World Hlth. Forum 6:320-321.
- Brey, P. T. and G. Remaudiere. 1985. Recognition and isolation of *Lagenidium giganteum* Couch. Bull. Soc. Vector Ecol. 10(2):90-97.
- Chen, S. F. et al. 1984. [A study of the toxicity of *Bacillus thuringiensis* var. *israelensis* to mosquito larvae and factors affecting it.] Natural Enemies of Insects (Kunchong Tiandi) 6(2):115-117. In Chinese.
- Chen, S. F. et al. 1984. [Observations on the toxicity of *Bacillus thuringiensis* var. *israelensis* mixed with chemical insecticides to larvae of *Culex pipiens pallens* Coquillett.] Natural Enemies of Insects (Kunchong Tiandi) 6(3):153-154. In Chinese.
- Chen, S. Y. 1984. [Recognition of females and males of *Sphaerodema rustica* Fab. and *Nepa chinensis* Hoff.] Natural Enemies of Insects (Kunchong Tiandi) 6(3):155. In Chinese.
- Davidson, E. W. 1986. Effects of *Bacillus sphaericus* 1593 and 2362 spore/crystal toxin on cultured mosquito cells. J. Invertebr. Pathol. 47(1):21-31.
- El Safi, S. H. et al. 1985. The food of the larvivorous fish *Gambusia affinis* (Baird and Girard) and *Oreochromis* (formerly *Tilapia*) *niloticus* (Linnaeus) in Gezira irrigation canals. J. Trop. Med. Hyg. 88:169-174.
- El Safi, S. H. et al. 1985. The impact of the exotic fish *Gambusia affinis* (Baird and Girard) on some natural predators of immature mosquitoes. J. Trop. Med. Hyg. 88:175-178.
- Frances, S. P., R. C. Russell, and C. Panter. 1985. Persistence of the mosquito pathogenic fungus *Culicinyomyces clavosporus* in a natural environment. Gen. Appl. Entomol. 17:47-52.
- Hilmy, N. M. and A. I. Merdan. 1985. Larvicidal activity of *Bacillus thuringiensis* serotype H-14 on certain Egyptian mosquito species. J. Egyptian Soc. Parasitol. 15(1):263-271.
- Hougaard, J.-M., et al. 1985. Field evaluation of larvicidal activity of *Bacillus sphaericus* Neide, 1904 strain 1593-4 against *Culex quinquefasciatus* Say, 1823 in West Africa. Cah. ORSTOM Ent. Med. Parasitol. 23(1):35-44.
- Huang, Z. H. and Z. L. Pu. 1984. Preliminary observations on the biology of *Sternolophus rufipes*, a predator of mosquito larvae. Natural Enemies of Insects (Kunchong Tiandi) 6(2):97-100.
- Hurley, J. M. et al. 1985. Separation of the cytolytic and mosquitocidal proteins of *Bacillus thuringiensis* subsp. *israelensis*. Biochem. And Biophys. Res. Communications. 126(2):961-965.
- Kerwin, J. L. and R. K. Washino. 1985. Recycling *Romanomermis culicivora*x (Mermithidae, Nematoda) in rice fields in California, USA. J. Med. Entomol. 22(6):637-643.
- Kolasa, J. et al. 1985. New records for two mosquito predators (Turbellaria: *Mesotoma*) in the northeastern United States. Entomophaga 30(1):83-85.
- Lacey, L. A. and B. J. Smittle. 1985. The effects of gamma radiation on spore viability and mosquito larvicidal activity of *Bacillus sphaericus* and *Bacillus thuringiensis* var. *israelensis*. Bull. Soc. Vector Ecol. 10(2):98-101.
- Lacey, L. A. 1985. Effects of pH and storage temperature on spore viability and larvicidal activity of *Bacillus sphaericus* Bull. Soc. Vector Ecol. 10(2):102-106.
- Lacey, L. A. and A. H. Undeen. 1986. Microbial control of black flies and mosquitoes. Ann. Rev. Entomol. 31:265-296.
- Lee, S. G. et al. 1985. Diversity of protein inclusion bodies and identification of mosquitocidal protein in *Bacillus thuringiensis* subsp. *israelensis*. Biochem. 953-960.
- Nnakumusana, E. S. 1985. Susceptibility of mosquito larvae to *Coelomomyces indicus*. Indian J. Med. Res. 82:316-320.
- Nugad, A. D. and G. B. White. 1985. *Nosema algerae* (Nosematidae, Microsporida): laboratory infections of *Anopheles* larvae and prospects for field application. J. Trop. Med. Hyg. 88:179-182.

- Panicker, K. N. et al. 1985. Larvivorous potential of some cypriniformes fishes. *Indian J. Med. Res.* 82:517-520.
- Pankova, T. F. 1985. Experimental study of the routes of transmission of Microsporidia in blood-sucking mosquitoes from southwestern Siberia. *Parazitologiya* 19(4):296-300. In Russian.
- Peng, Y. et al. 1985. Investigations on life cycle and biological characteristics of *Romanomeris-Sichuaneensis*. *Acta. Acad. Med. Sichuan* 16(3):234-237.
- Riba, G. et al. 1984. [Susceptibility of mosquito larvae to different kinds of entomopathogenic hyphomycetes.] *Cah. O.R.S.T.O.M., Entomol. Med. Parasitol.* 22(4):271-276. In French.
- Riehl, R. 1985. Ultrastructure of the capillaries in the gonopodium of the mosquitofish *Heterandria formosa* Agassiz, 1853 (Pisces, Poeciliidae). *Zeitschr. Mikro. Anat. Forsch.* 99(6):891-896.
- Saleh, M. S. 1985. Larvicidal activity of *Bacillus thuringiensis* serotype H-14 against mosquito larvae. *Insect Sci. Appl.* 6(5):617-620.
- Sokolova, E. I. et al. 1985. [Natural strains of *Bacillus thuringiensis* Berliner pathogenic for blood-sucking mosquitoes.] *Meditsinskaya Parazitologiya i Parazitarnye*. 3:35-41. In Russian.
- Tsukamoto, M. and M. Horio. 1985. Reevaluation of the biological control of vector mosquitoes using predatory larvae of *Toxorhynchites* mosquitoes. *J. UOEH* 7(3):299-308. In Japanese.
- Venkatesan, P. and C. M. Jeyachandra. 1985. Estimation of mosquito predation by the water bug *Diplonychus indicus* Venkatesan & Rao. *Indian J. Exper. Biol.* 23(4):227-229.
- Weiser, J. et al. 1985. A mosquito pathogenic strain of *Bacillus thuringiensis* isolated from silkworm rearings in Vietnam. *Folia Parasitologica* 32(3):284.
- Weiser, J. and Z. Zizka. 1985. A red mosquito iridescent virus in *Aedes punctator* in Czechoslovakia. *Folia Parasitologica* 32(3):285-287.
- Yousten, A. A. et al. 1984. Effect of oxygen on growth, sporulation, and mosquito larval toxin formation by *Bacillus sphaericus* 1593. *Current Microbiol.* 11(3):175-178.

#### BOOKS, BOOKLETS, AND REPORTS

- Beaver, P. C. and R. C. Jung (Eds.) 1985. *Animal agents and vectors of human disease*. Lea and Febiger, Philadelphia. 281 pp.
- Lounibos, L. P. et al Eds., 1985. *Ecology of Mosquitoes: Proceedings of a Workshop*. Florida Medical Entomology Laboratory, Vero Beach. xxxi + 579 pp.
- Nayar, J. K., (Ed.). 1985. *Bionomics and Physiology of Aedes taeniorhynchus and Aedes sollicitans*, the Salt Marsh Mosquitoes of Florida. Florida Agricultural Experiment Stations (Gainesville) Bull. 852:1-148.
- Mandava, N. B. Ed. 1985. *CRC Handbook of Natural Pesticides: Methods*. Vol. I Theory, Practice and Detection. Vol. II Isolation and Identification. CRC Press, Boca Raton, FL. 552 pp and 568 pp.
- Resh, V. H. and D. M. Rosenberg. Eds. 1984. *The Ecology of Aquatic Insects*. Praeger. 625 pp.
- Shuler, A. V. 1985. *Malaria—Meeting the Global Challenge*. Agency for International Development. Science and Technology in Development Series. Boston: Oelgeschlager, Gunn & Haim. 110 pp.
- Singh, P. and R. F. Moore. 1985. *Handbook of insect rearing*. Vol. I and II. Elsevier, Amsterdam. 475 + 500 pp.
- Warren, K, S. and A. A. F. Mahmoud. 1985. *Geographic Medicine for the Practitioner*. Second Edition. 212 pp.

#### CHEMICAL CONTROL

- Ameen, M-V. et al. 1985. Larvicidal effects of indigenous Derris-Elliptica Root on *Aedes aegypti* (Diptera: Culicidae). *Int. J. Entomol.* 1(1):39-44.
- Bilbie, I. et al. 1984. The larvicide effect on *Culicidae* of microencapsulated malathion: laboratory and field trials. *Arch. Roumaines Pathol. Exp. Microbiol.* 43(2):185-191.
- Cararra, G. et al. 1984. Larvicidal effect of cashew nut shell and its possible use in malaria vector control programs. *Rev. Med. Mocambique* 2(2):78-82. In Portuguese.
- Chavan, S. R. and S. T. Nikam. 1983. Studies on the larvicidal properties of *Nerium indicum* Mill (Apocynaceae) leaves. *Bull. Haffkine Inst.* 11(3):68-70.
- Chitra, S. and M. K. K. Pillai. 1985. Role of esterases in organophosphorus and carbamate resistance in Indian strain of *Anopheles stephensi* Liston. *Indian J. Exp. Biol.* 23(10):576-584.
- Kalyanasundaram, M. and P. K., Das. 1985. Larvicidal & synergistic activity of plant extracts for mosquito control. *Indian J. Med. Res.* 82(6):19-23.
- Karim, A. A. R. A. et al. 1985. The environmental impacts of four insecticides on non-target organisms in the Gezira Irrigation Scheme canals of Sudan. *J. Trop. Med. Hyg.* 88:161-168.
- Kurihara, T. et al. 1985. Insecticide treatment of wide-mesh net curtain for vector control and the effect upon behavioural responses of adult mosquitoes. *Jap. J. San. Zool.* 36(1):25-30. In Japanese.
- Mouches, C. et al. 1985. Specific amplified DNA sequences associated with organoiphosphate insecticide resistance in mosquitoes of the *Culex pipiens* complex, with a note on similar amplification in the house fly *Musca domestica* L. *C. R. Acad. Sci. Ser. III—Vie* 301(16):695-700.
- Pamiglione, S. et al. 1985. Avermectins, MK-933 and MK-936, for mosquito control. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(6):797-799.
- Phonchevin, T. et al. 1985. Effects of cyromazin and methoprene on the developmental stages of *Anopheles dirus*, *Aedes aegypti* and *Culex quinquefasciatus* (Diptera: Culicidae). *Southeast Asian J. Trop. Med. Pub. Hlth.* 16(2):240-7.
- Rawlings, P. 1985. The effects on resistant mosquitoes of interrupted exposure to insecticides. *Pestic. Sci.*, 16(2):186-191.
- Saleh, M. S. 1985. Effects of 6 insect growth regulators on mosquito larvae of *Aedes aegypti*. *Insect Sc. Appl.* 6 (5):609-612.
- Saleh, M. S. et al. 1985. Comparison of three fenitrothion formulations as larvicides for *Aedes aegypti* (1) (Diptera: Culicidae). *J. Econ. Entomol.* 78(6):1187-1189.
- Yang, B. J. et al. 1985. Experimental observation of

the effectiveness of pirimiphos-methyl and decamethrin against *Anopheles sinensis*. J. Parasitol. Parasitic Dis. 3(1):42-44. In Chinese.

### FILARIASIS

- Ando, K. 1984. Development of *Dirofilaria immitis* larvae without blood meal in *Aedes togoi* mosquito. Mic Med. J. 33(3):357-72.
- Chandrasekar, R. et al. 1985. Sharings of antigens among filarial species revealed by antibody dependent cell-mediated reactions. J. Biosci. 9(3-4):191-196.
- Conner, D. H. et al. 1986. Pathogenesis of lymphatic filariasis in man. Zeitschr. Parasitenk. Parasitol. Res. 72(1):13-28.
- Cui, Z. H. et al. 1984. [Progress in the control of and research into filariasis in Shandong Province during the past ten years.] J. Parasitol. Parasitic Diseases. 2(2):66-72. In Chinese.
- Dandapat, M. C. et al. 1986. The incidence of *Filaria* as an aetiological factor for testicular hydrocele. Brit. J. Surg. 73(1):77-79.
- Frijita, K. et al. 1985. Preliminary report on human filariasis in Mozambique East Africa. Trop. Med. 27(2):83-92.
- Kimura, E. et al. 1985. Epidemiology of subperiodic Bancroftian filariasis in Samoa 8 years after control by mass treatment with diethylcarbamazine. Bull WHO 63(5):869-880.
- Laurence, B. R. 1985. Development of a filarial larva in the head of a mosquito. Trans. Roy. Soc. Trop. Med. Hyg. 79(5):690-691.
- Lowie, R. C. and M. L. Eberhard. 1985. Development of *Mansonella ozzardi* in the Liverpool strain of *Aedes aegypti*. Trans. Roy. Soc. Trop. Med. Hyg. 79(6):743-747.
- Pan, S. X. (et al.) 1985. [Investigations on mosquito vectors in Huanjiang Prefecture with Malayan filariasis basically eradicated.] J. Parasitol. Parasitic Diseases. 3(2):150. In Chinese.
- Partono, F. and Purnomo. 1985. Combined low dosage and short term standard dose treatment with diethylcarbamazine to control Timorian filariasis. Acta Trop. 42(4):365-370.
- Suguri, S. 1985. Vector mosquitoes of *Wuchereria bancrofti* at Bicol region in the Philippines I. Transmission capability. Jap. J. Exp. Med. 55(2):61-65.
- Suguri, S. et al. 1985. Scanning electron microscopic study on developing larvae of *Brugia pahangi* in the vector mosquito. Jap. J. Parasitol. 34(6):479-491.
- Sutherland, D. R. et al. 1986. Midgut barrier as a possible factor in filarial worm vector competency in *Aedes trivittatus*. J. Invertebr. Pathol. 47(1):1-7.
- Unterberg, W. and K. T. Vollmers. 1985. Tropical pulmonary eosinophilia, a form of filariasis. Deut. Med. Wochenschr. 110(48):1872.
- Yamamoto, H. et al. 1985. Studies on filariasis VI: The encapsulation of *Brugia malayi* and *B. pahangi* larvae in the mosquito, *Armigeres subalbatus*. Jap. J. San. Zool. 36(1):1-6.
- Zhang, X. Z. et al. 1985. [Infectivity of residual microfilarial carriers to mosquitoes in an area with filariasis basically eradicated.] J. Parasitol. Parasitic Diseases 3(2):152. In Chinese.

### GENETICS AND GENETIC CONTROL

- Ahmad, W. et al. 1985. Genetic studies on gynandromorphism (Sgm, Gm) in *Culex pipiens fatigans*. Experientia 41(11):1465-1466.
- Arunachalam, N. and C. F. Curtis. 1985. Integration of radiation with cytoplasmic incompatibility for genetic control in the *Culex pipiens* complex (Diptera, Culicidae). J. Med. Entomol. 22(6):648-653.
- Dev, V. and K. S. Rai. 1985. Genetics of speciation in the *Aedes-scutellaris* Group subgenus *Stegomyia* Diptera Culicidae VII. Genetic basis of morphological differences. Zool. Anz. 215(1-2):52-60.
- Halliday, W. R. and G. P. Georgioui. 1985. Cross resistance and dominance relationships of pyrethroids in a permethrin-selected strain of *Culex quinquefasciatus* (Diptera: Culicidae). J. Econ. Entomol. 78(6):1227-1232.
- Mukiama, T. K. 1985. Y-autosome genetic sexing strain of *Anopheles albimanus* (Diptera, Culicidae). Insect Sci. Appl. 6(6):649-652.
- Munstermann, L. E. 1985. Geographic patterns of genetic variation in the treehole mosquito *Aedes triseriatus*. pp. 327-343 in Ecology of Mosquitoes . . . Lounibos et al. Eds.
- Narang, S. et al. 1985. Organization of histone genes in a cloned DNA fragment of *Anopheles albimanus* (Diptera: Culicidae). Genetics 110 (3 part 2):55.
- Narang, S. et al. 1985. Analysis of southern blood hybridization profiles of heat shock genes from genomic digests of *Anopheles albimanus* (Diptera: Culicidae). Genetics 110 (3 part 2):97.
- Rao, P. and K. S. Rai. 1985. Genome size variation in mosquitoes. Genetics 110 (3 part 2):75.
- Shuvalikov, V. B. 1985. [Stability of inversion polymorphism in populations of *Anopheles messeae* in the south-western part of its area of distribution [RSFSR, Ukrainian SSR, Byelorussian SSR].] Vestnik Zoologii 4:45-51. In Russian.
- Steigniy, V. N. and V. M. Kabanova. 1985. Inversional polymorphism in *Anopheles messeae*. VI Local selection and the spatial differentiation of inversional genecomplexes for fertility Genetika 21(12):1970-1973. In Russian.
- Tadei, W. P. 1985. Biology of Amazonian Mosquitoes IX. On chromosome polymorphism of *Anopheles darlingi* and a new arrangement in the X-Chromosome. Cienc. Cult. 37(8):1329-1331. In Portuguese.
- NOTE: See also Lounibos et al. under BEHAVIOR, BIOLOGY, AND ECOLOGY.

### MALARIA

- Anagnos, D. et al. 1986. Effects of placental malaria on mothers and neonates from Zaire. Zeitschr. Parasitenk. Parasitol. Res. 72(1):57-64.
- Ancelin, M. L. and H. J. Vial. 1986. Choline kinase activity in *Plasmodium* infected erythrocytes: characterization and utilization as a parasite-specific marker in malarial fractionation studies (BBA 52077). Biochim. Biophys. Acta. 875(1):52-58.
- Anonymous. 1986. Malaria vaccines. Nature 319(6055):613.
- Anonymous. 1985. Malaria prophylaxis for Canadian travellers. Can. Med. Assoc. J. 1024-1025.
- Anonymous. 1985. *Plasmodium falciparum* malaria

- seen at Toronto General Hospital in 1984. *Can. Med. Assoc. J.* 133(10):1021-1023.
- Anonymous 1984. World malaria situation, 1982. Malaria Action Programme, World Health Organization. *World Hlth Statistics Quart.* 37(2):130-161.
- Banyal, H. S. and J. Inselburg. 1985. Isolation and characterization of parasite-inhibitory *Plasmodium falciparum* monoclonal antibodies. *Am. J. Trop. Med. Hyg.* 34(6):1055-1064.
- Barker, R. H., Jr. et al. 1986. Specific DNA probe for the diagnosis of *Plasmodium falciparum* malaria. *Science* 231(4744):1434-1436.
- Bayliss, J. H. 1985. Epidemiological considerations of the history of indigenous malaria in Britain. *Endeavour* 9(4):191-194.
- Bisset, J. A. et al. 1984. Entomologic study of a malaria outbreak in Guanamon de Armenteros. *Rev. Cubana Med. Trop.* 36(3):385-91. In Spanish.
- Bjorkman, A. et al. 1985. Malaria control by chloroquine. I. Clinical effects and susceptibility of *Plasmodium falciparum* in vivo after seven years of monthly chloroquine administration to children in a Liberian village. *Ann. Trop. Med. Parasitol.* 79(6):597-602.
- Bruce-Chwatt, L. J. 1985. Malaria, the growing medical and health problem. *Drug Exp. Clin. Res.* 11(12):899-905.
- Chen, L. et al. 1984. Rodent malaria model of *Plasmodium berghei* ANKA strain for antimalarial screening: its establishment and use. Yao Hsueh Hsueh Pao 19(10):732-6. In Chinese.
- Chernin, Eli. 1986. Joseph Jones: idiosyncratic student of malaria. *Perspect. Biol. Med.* 29(2):260-271.
- Chiodini, M. et al. 1985. Exchange transfusion in severe falciparum malaria. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(6):865-866.
- Chooi, C. K. 1985. Status of malaria vectors in Malaysia. *Southeast Asian J. Trop. Med. Publ. Hlth.* 16(1):133-138.
- Coosemans, M. H. 1985. A comparison of the malarial endemicity in an area of rice fields and an area of cotton cultivation in the Ruzizi Valley Burundi. *Ann. Soc. Belg. Med. Trop.* 65 (suppl. 2):187-200. In French.
- Crees, M. J. and T. H. Mhlanga. 1985. Malaria prevalence in Zimbabwe and parasite survey of 1983. *Zimbabwe Sci. News.* 19(9-10):114-117.
- Das, S. C. and I. Baruah. 1985. Incrimination of *Anopheles minimus* and *Anopheles balabacensis balabacensis* & *Anopheles dirus* as malaria vectors in Mizoram India. *Indian J. Malariol.* 22(1):53-56.
- Deslauriers, R. et al. 1985. Magnetic resonance studies of the pathophysiology of murine malaria. *Quart. Rev. Biophysics* 18(1):65-
- Dukhanina, N. N. 1985. History of malaria control in the USSR the 40th anniversary of the victory in the World War II. *Med. Parazitol. Parazit. Bolezni* 0(4):76-78. In Russian.
- El Gaddal, A. A. et al. 1985. Malaria control in the Gezira-Managil Irrigated Scheme of the Sudan. *J. Trop. Med. Hyg.* 88(153-159).
- El Wakul, E. S. et al. 1985. Clindamycin for the treatment of falciparum malaria in Sudan. *Am. J. Trop. Med. Hyg.* 34(6):1065-1068.
- Fuentes, G. O. et al. 1984. Entomologic study of a malaria outbreak. *Rev. Cubana Med. Trop.* 36(3):282. In Spanish.
- Gazin, P. et al. 1985. Risk of malaria infection according to the density and infectivity of *Anopheles*. *Ann. Soc. Belg. Med. Trop.* 65(3):263-269. In French.
- Gogolin, L. R. and J. E. Freier. 1986. Avian malaria among house sparrows: a survey of disease and mosquito vectors (Diptera: Culicidae) in Reed City, Michigan. *Great Lakes Entomol.* 19(1):43-48.
- Harte, P. G. et al. 1985. Monoclonal antigamete antibodies prevent transmission of murine malaria. *Parasite Immunol.* 7(6):607-616.
- Heidrich, H. G. 1986. *Plasmodium falciparum* antigens as target molecules for a protective immunization against malaria: an up-to-date-review. *Zeitschr. Parasitenk. Parasitol. Res.* 72(1):1-12.
- Hii, J. L. K. et al. 1985. *Anopheles flavirostris* incriminated as a vector of malaria and Bancroftian filariasis in Banggi Island, Sabah Malaysia. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(5):677-680.
- Hu, C. G. et al. 1985. Effect of Qinhaosu on the positivity of bloodsucking mosquitoes in vivax malaria patients. *J. Parasitol. Parasitic Diseases* 3(2):158-159. In Chinese.
- Jaenson, T. G. T. et al. 1986. *Anopheles* (Diptera: Culicidae) and malaria in northern Europe with special reference to Sweden. *J. Med. Entomol.* 23(1):68-75.
- Janse, C. J. et al. 1985. Development of *Plasmodium berghei* ookinetes in the midgut of *Anopheles atroparvus* mosquitoes and in vitro. *Parasitol.* 91(2):219-226.
- Jarra, W. and K. N. Brown. 1985. Protective immunity to malaria: studies with cloned lines of *Plasmodium chabaudi* and *P. berghei* in CBA/Ca mice. I. The effectiveness of the inter- and intra- species specificity of immunity induced by infection. *Parasite Immunol.* 7(6):595-606.
- Kulkarni, S. M. and R. Panda. 1984. Two cases of malaria by split feeding of naturally infected mosquito. *Indian J. Parasitol.* 8(2):293.
- Laird, M. 1985. New answers to malaria problems through vector control? *Experientia* 41(4):446-456.
- Lamb, R. P. and S. Milas. 1985. Malaria: The mosquito is winning. *Environ. Conserv.* 12(2):167-169.
- Llagas, L. A. De Las. 1985. Impact of ecological changes on *Anopheles* vectors of malaria in some countries of Southeast Asia. *Southeast Asian J. Trop. Med. Pub. Hlth.* 16(1):146-148.
- Molineaux, L. 1985. The pros and cons of modeling malaria transmission. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(6):748-758.
- Neequaye, J. et al. 1986. In vivo chloroquine - resistant falciparum malaria in western Africa. *Lancet* I. for 1986. (8473):153.
- Nussenzeig, V. and R. S. Nussenzeig. 1985. Malaria vaccine against sporozoites? *Ann. Int. Pasteur Immunol.* D 136(3):301-312.
- Olan, V. A. et al. 1985. Vector competence of the Cartagena strain of *Anopheles albimanus* for *Plasmodium falciparum* and *P. vivax*. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(5):685-686.
- Oyeyinka, G. O. 1986. Malaria-mitogens or antigens? *Nature* 319(6054):543.

- Pankova, T. G. et al. 1985. Inhibitors of microsomal monooxygenases as promising means for decrease of drug resistance in malarial parasite. *Vop. Med. Khim.* 31(6):15-17. In Russian.
- Peltola, H. et al. 1984. *Plasmodium falciparum* merozoite vaccine in *Aotus* monkeys: an evaluation of the tolerableness of three types of adjuvants. *Scandinavian J. Infectious Dis.* 16(4):393-402.
- Rabinovich, S. A. et al. 1985. Drug resistance of malaria causative agents and procedures for its determination. *Antibiot. Med. Biotek* 30(11):855-858.
- Robert, V. et al. 1985. The transmission of malaria in a wooded savannah area and a rice-growing area around Bobo Dioulasso (Burkina Faso). *Ann. Soc. Belg. Med. Trop.* 65(Suppl. 2):201-211. In French.
- Rossignol, J. F. and H. Maisonneuve. 1986. Resistance of malaria to chemotherapy. *Presse Medicale* 15(3):97-100. In French.
- Shevchenko, A. K. and A. P. Popovich. 1985. The history and state of the problem of development of methods for prognosis of malaria, its vectors and other bloodsucking insects in areas of construction and operation of major hydrotechnical works in the Ukrainian SSR. *Meditinskaya Parazitologiya i Parazitarnye Bolezni* 3:62-68. In Russian.
- Sinden, R. E. et al. 1985. The development of *Plasmodium* ookinetes in vitro an ultrastructural study including a description of meiotic division. *Parasitol.* 91(2):227-244.
- Sinden, R. E. and R. H. Hartley. 1985. Identification of the meiotic division of malarial parasites. *J. Protozool.* 32(4):742-744.
- Sinden, R. E. 1985. A cell biologist's view of host cell recognition and invasion of malarial parasites. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(5):598-605.
- Sinigaglia, F. and J. R. L. Pink. 1985. Human T lymphocyte clones specific for malaria (*Plasmodium falciparum*) antigens. *Embo. J.* 4(13B):3819-3822.
- Spencer, H. C. 1985. Drug resistant malaria changing patterns mean difficult decisions. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(6):748-758.
- Sun, T. and C. Chakrabarti. 1985. Schizonts, merozoites, and phagocytosis in falciparum malaria. *Ann. Clin. Lab. Sci.* 15(6):465-469.
- Udomsangpetch, R. et al. 1986. Human monoclonal antibodies to Pf 155, a major antigen of malaria parasite, *Plasmodium falciparum*. *Science* 231(4733):57-62.
- Vercruyse, J. 1985. Entomological study on the transmission of human malaria in the Senegal River Basin (Senegal). *Ann. Soc. Belg. Med. Trop.* 65(Suppl. 2):171-179. In French.
- Wagner, W. H. 1986. Fight against malaria — chemotherapy and immunoprophylaxis. 1. *Chemotherapy. Arzneim. — Forsch. — Drug Res.* 36-1(1):2-9.
- Walton, C. 1985. Imported malaria in Britain. *Brit. Med. J.* 291(6506):E 1427.
- Warrell, D. A. et al. 1985. The treatment of severe falciparum malaria. *Brit. Med. J.* 291(6508):1573.
- White, G. B. 1985. Airport malaria and jumbo vector control. *Parasitol. Today* 1(6):177-179.
- Wirtz, R. A. et al. 1985. Identification of *Plasmodium vivax* sporozoites in mosquitoes using an enzyme-linked immunosorbent assay. *Am. J. Trop. Med.* Hyg. 34(6):1048-1054.
- Wooster, M. T. 1985. Malaria control strategies: overview of changing perspectives. *Southeast Asian J. Trop. Med. Pub. Hlth.* 16(1):183-186.

## MISCELLANEOUS

- Ailus, K. et al. 1985. Demonstration of antibodies to mosquito antigens in man by immunodiffusion and ELISA. *Int. Arch. Allergy Appl. Immunol.* 78(4):375-379.
- Copps, P. T. et al. 1984. An assessment of sampling techniques for adult mosquitoes in southern Ontario. *Proc. Entomol. Soc. Ont.* 115:61-70.
- Demina, V. T. et al. 1985. Optimal density of larvae of *Anopheles sacharovi* Favre (Diptera Culicidae) in cultures. *Med. Parazitol.* (4):56-8. In Russian.
- Dubisch, J. 1985. Low country fevers: cultural adaptations to malaria in antebellum South Carolina. *Social Sci. Med.* 21(6):641-649.
- Gabinaud, A. et al. 1984. [The use of numerical analysis of aerial photographs for large-scale mapping of vegetational indicators of mosquito larval breeding sites and halomorphic soils.] *Bull. Centre Geomorphol. C.N.R.S.* 28:37-44. In French.
- Gabinaud, A. and J. Cousserans. 1985. [Reflection on information methodology in the control of *Culex pipiens* L. on the French Mediterranean coast.] Document Entente Interdepartementale pour la Demoustication du Littoral Mediterranen Francais 48:14. In French.
- Gillett, J. D. 1985. Medical entomology, past, present and future: a personal view. *Antenna* 9(2):63-70.
- Horsfall, W. R. 1985. Autobiography. *Mosq. Systemat.* 17(3):266-276.
- Kulanic, V. L. 1985. [Detection of the breeding places of *Culex pipiens* L. and its attacks on people near Ziadin station on the Central Asian railway. Measures of control and prevention of breeding.] *Meditinskaya Parazitologiya i Parazitarnye Bolezni* 3:84-85. In Russian.
- Lombardi, S. and F. Esposito. 1986. A new method for identification of the animal origin of mosquito bloodmeals by the immunobinding of peroxidase-anti-peroxidase complexes on nitrocellulose (JIM 03750). *J. Immunol. Methods.* 86(1):1-6.
- Suenaga, O. 1985. On the contamination of mosquito strains caused by the aeration for larval rearing in the laboratory. *Trop. Med.* 27(1):13-16.
- Thevasagayam, E. S. 1985. Environmental management in mosquito control. *Southeast Asian J. Trop. Med. Pub. Hlth.* 16(1):149-152.
- Thornhill, E. W. 1985. A guide to knapsack sprayer selection. *Trop. Pest Management* 31(1):11-17.
- Utrio, P. 1985. Value of larval samples in estimating frequencies of biting mosquito species (Diptera, Culicidae) *Ann. Entomol. Fenn.* 51(3):91-96.
- Zhu, Q. W. et al. 1984. Labeling infective larvae with <sup>125</sup>I, <sup>32</sup>P and its applications. *J. Vet. Sci. Technol.* (Shouyi Keji Zazhi) 8:22-25. In Chinese.

## TAXONOMY AND DISTRIBUTION

- Adamovic, L. R. 1984. The populations of *Anopheline* mosquitoes (Diptera: Culicidae) in

- North Dalmatia and the island of Pag Croatia Yugoslavia. Bull. Acad. Serbe. Sci. Arts Cl. Sci. Math Nat. Sci. Nat O (25):5-16.
- Adamovic, Z. R. 1985. A comparison of two anopheline populations examined in Ravni kotari and Livanjsko polje, Yugoslavia. Acta Vet. Beograd 35(6):347-352.
- Bhat, H. R. and S. M. Kulkarni. 1984. Records of mosquitoes collected from Jammu and Kashmir with ecological notes. Records of the Zoological Survey of India 81(1/2):193-203.
- Cai, H. Q. 1984. [Additions and corrections to the checklist of mosquitoes in Fujian Province (Diptera: Culicidae).] Wuyi Sci. J. 4:209-217. In Chinese.
- Danilov, V. N. 1985. Clinal variability in some morphological features in mosquito larvae (Diptera, Culicidae). In Systematics of Diptera (Insecta). Ecological and morphological principles [edited by Skarlato, O. A.]. New Delhi, India; Oxonian Press pp. 30-35.
- Darsie, R. J. Jr. 1985. Mosquitoes of Argentina. Part I. Keys for the identification of adult females and fourth stage larvae in English and Spanish (Diptera, Culicidae). Mosq. Systemat. 17(3):153-253.
- Dong, X. S. and X. Z. Wang. 1985 [Descriptions of the larvae and pupa of *Aedes (Finlaya) sintoni* Barraud, 1924.] Acta Zootaxonomica Sinica 10(3):334-336.
- Goshenko, V. A. 1985. Variability in morphological and ecological features in larvae of *Mansonia richiardii* Fic. (Diptera, Culicidae). In Systematics of Diptera (Insecta). Ecological and morphological principles [edited by Skarlato, O.A.]. New Delhi, India; Oxonian Press pp. 15-17.
- Gonzalez, B. R. 1985. New reports on the tribe Sabethini Diptera Culicidae for Cuba. Poeyana Inst. Zool. Acad. Cienc. Cuba 0(298):1985. 1-11. In Spanish.
- Harbach, R. E. 1985. A new species *Culex (Culex) litwaka* (Diptera: Culicidae), from the coastal region of Kenya. Mosq. Systemat. 17(3):254-265.
- Hervy, J. P. et al. 1985. *Aedes (Diceromyia) furcifer* (Edwards, 1913) and *Aedes (Diceromyia) taylori* Edwards, 1936: Fourth stage larvae diagnosis. Cah. O.R.S.T.O.M. Ser. Ent. Med. Parasitol. 23(1):17-24. In French.
- Hribar, L. J. and R. R. Gerhardt. 1985. A checklist of the mosquitoes (Diptera: Culicidae) occurring in Knox County Tennessee USA. J. Tenn. Acad. Sci. 61(1):6-7.
- Lovrenco-de-Oliveira, R. and T. F. D. Silva. 1985. *Wyeomyia forcipennis* new species of mosquito (Diptera: Culicidae) from Rio de Janeiro Brazil. Mem. Inst. Oswaldo Cruz 80(3):321-326.
- Mamigonova, R. I. 1985. Diagnostic value of morphological features of larvae in *Culex pipiens* L. (Diptera, Culicidae). In Systematics of Diptera (Insecta). Ecological and morphological principles [edited by Skarlato, O. A.]. New Delhi, India; Oxonian Press pp. 83-85.
- Marchand, R. P. and A. E. P. Mnzava. 1985. A field test of a biochemical key to identify members of the *Anopheles gambiae* group of species in north-east Tanzania. J. Trop. Med. Hyg. 88:205-210.
- Mbongu-Sodi, N. 1985. The mosquitoes of Kisangani Zaire. Stud. Univ. Babes-Bolyai Biol. 30(0):62-67. In French.
- Mitchell, C. J. and R. F. Darsie, Jr. 1985. Mosquitoes of Argentina. Part II. Geographic distribution and bibliography (Diptera, Culicidae). Mosquito Systematics 17(4):279-360.
- Moussiegt, O. 1985. *Coquillettidia (Coquillettidia) richiardii* (Ficalbi, 1889). Bibliography 1985. Document Entente Interdepartementale pour la Demoustication du Littoral Mediterraneeen Francais 50, 38 pp.
- Nekrasova, L. S. 1985. Ecological and physiological differences between the bloodsucking mosquitoes *Aedes* and *Culex* (Diptera, Culicidae). In Systematics of Diptera (Insecta). Ecological and morphological principles [edited by Skarlato, O.A.]. New Delhi, India; Oxonian Press pp. 114-117.
- Pener, H. and U. Kitron. 1985. Spatial and temporal changes in the distribution of *Anopheles sacharovi* in Israel. Israel J. Med. Sci. 21(10):850-852.
- Rios, R. I., L. P. Nascimento, A. C. de Oliveria. [Complex of *Anopheles (Nyssorhynchus) albitarsis*: impossibility of separating them into two subspecies, *A. albitarsis albitarsis* and *A. albitarsis domesticus* (Diptera Culicidae).] Rev. Barsileira Biol. 44(4):461-465. In Portuguese.
- Ryazantseva, A. E. 1985. Morphological features of the female genitalia of bloodsucking Diptera (Culicidae) and their use in systematics. In Systematics of Diptera (Insecta). Ecological and morphological principles [edited by Skarlato, O.A.]. New Delhi, India; Oxonian Press pp. 129-131.
- Snow, K. R. 1985. A note on the spelling of the name *Orthopodomyia pulcripalpis*. Mosquito Systematics 17(4):361-362.
- Su, S. J. 1984. [Experimental observation on the dispersal of *Anopheles dirus* in Hainan Island.] J. Parasitol. Parasit. Diseases. 3(2):114-116. In Chinese.
- Weber, R. M. and R. G. Weber. 1985. The egg raft seam as an indicator of species in *Culex pipiens* and *Culex restuans*. Mosquito Systematics 17(4):363-370.
- Xu, B. H. 1984. [A preliminary survey of the mosquitoes in Wuyi Mountain, Fujian, China (Diptera: Culicidae).] Wuyi Sci. J. 4:205-208. In Chinese.

## VIRUS DISEASES

- Anonymous. 1984. St. Louis encephalitis—California. Morbidity Mortality Weekly Report 33(46):649-651.
- Anonymous. 1985. Imported dengue fever—United States, 1984, Morbidity Mortality Weekly Report 34(31):488-489.
- Bulichev, B. P. et al. 1985. Isolation of Tahyna virus from mosquitoes in Dushanbe, Tadzhikistan. Meditsinskaya Parazitologiya i Parazitarnye Bolezni 4:81-83. In Russian.
- Cornet, M. et al. 1984. [Dengue 2 in eastern Senegal: an epizootic outbreak in a sylvatic environment; isolations of the virus from mosquitoes and from a monkey and epidemiological considerations.] Cah. ORSTOM, Entomol. Med. Parasitol. 22(4):313-323. In French.
- Franke, C. A. and D. E. Hruby. 1985. Expression of recombinant vaccinia virus—derived alpha virus proteins in mosquito cells. J. Gen. Virol. 66(12):2761-2766.
- Hoffmann, D. and T. D. St. George. 1985. Growth of



- epizootic hemorrhagic disease, Akabane, and ephemeral fever viruses in *Aedes albopictus* cells maintained at various temperatures. *Austral. J. Biol. Sci.* 38(2):183-188.
- Hommel, G. A. and R. H. Schloemer. 1985. Site of suppression of Banzi viral replication by an antiviral factor released from *Aedes albopictus* cells persistently infected with Banzi virus (VRR00224). *Virus Res.* 4(1):37-52.
- Huang, C. H. et al. 1985. Beneficial role of a non-pathogenic orbi-like virus: Studies on the interfering effect of M14 virus in mice and mosquitoes infected with Japanese encephalitis virus. *Intervirology.* 24(3):147-153.
- Joo, C. Y. and Y. Wada. 1985. Seasonal prevalence of the vector mosquitoes of Japanese encephalitis virus in Kyungpook province Korea. *Korean J. Parasitol.* 23(1):139-150.
- Khutoretzskaya, N. V. et al. 1985. Experimental study of the reproduction of Karshi virus (Togaviridae, flavivirus) in some species of mosquitoes and ticks. *Acta Virol.* 29(3):231-236.
- Konishi, E. and H. Yamanishi. 1986. Titer distribution analysis of chikungunya virus in *Aedes albopictus* (Diptera: Culicidae). *J. Med. Entomol.* 23(1):92-98.
- Kostyukov, M. A. 1985. [The lacustrine frog (*Rana ridibunda*), one of the hosts of blood-sucking mosquitoes in Tajikistan, as a reservoir of West Nile virus.] *Meditinskaya Parazitologiya i Parazitarnye Bolezni* 3:49-50. In Russian.
- Labuda, M. and O. Kozuch. 1985. Variations of 4 *Aedes aegypti* mosquito strains in their susceptibility to and transmissibility of Tahyna virus. *Acta Virol.* 29(5):416-419.
- Lyapustin, V. N. [Features of the synthesis of West Nile virus protein and the type of infection in mosquito and mammalian cells.] *Meditinskaya Parazitologiya i Parazitarnye Bolezni* 3:50-54. In Russian.
- McClellan, R. G. et al. 1985. Investigations of the vertebrate hosts of equine encephalitis during an epizootic in Michigan, 1980. *Am. J. Trop. Med. Hyg.* 34(6):1190-1202.
- Mishra, A. C. et al. 1984. Seasonal mortality of mosquito vectors of Japanese encephalitis in Kolar district of India. *Indian J. Parasitol.* 8(2):239-241.
- Mohan, C. V. R. et al. 1985. The 1982 epidemic of dengue fever in Delhi. *Indian J. Med. Res.* 82:271-275.
- Neng, W. and S. Wang. 1985. Dengue. *World Hlth. Forum* 6:321.
- Nicoletti, L. and P. Verani. 1985. Growth of the phebovirus Toscana in a mosquito (*Aedes pseudo-scutellaris*) cell line (AP-61): establishment of a persistent infection. *Arch. Virol.* 85(1/2):35-45.
- Olson, J. G. et al. 1985. Isolation of Japanese encephalitis virus from *Anopheles annularis* and *Anopheles vagus* in Lombok, Indonesia. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(6):845-847.
- Ozden, S. and B. Poirier. 1985. Dengue virus induced polypeptide synthesis: brief report. *Arch. Virol.* 85(1/2):129-137.
- Patrican, L. A. and G. R. Defoliart. 1985. Lack of adverse effect of transovarially acquired LaCrosse virus infection on the reproductive capacity of *Aedes triseriatus* (Diptera, Culicidae). *J. Med. Entomol.* 22(6):640-611.
- Roberts, D. R. et al. 1984. Associations of arbovirus vectors with gallery forests and domestic environments in southeastern Bolivia. *Bull. Pan American Hlth. Or.* 18(4):337-350.
- Scherer, W. F. et al. 1986. Vector incompetency: Its implication in the disappearance of epizootic Venezuelan equine encephalomyelitis virus from Middle America. *J. Med. Entomol.* 23(1):23-29.
- Tabachnick, W. J. et al. 1985. Oral infection of *Aedes aegypti* with yellow fever virus: Geographic variation and genetic considerations. *Amer. J. Trop. Med. Hyg.* 34(6):1219-1224.
- Takashima, I. and N. Hashimoto. 1985. Getah virus in several species of mosquitoes. *Trans. Roy. Soc. Trop. Med. Hyg.* 79(4):546-550.
- Traavik, T. et al. 1985. Mosquito-borne arboviruses in Norway: further isolations and detection of antibodies to California encephalitis viruses in human, sheep and wildlife sera. *J. Hyg. (Camb.)* 94:111-122.
- Turell, M. J. et al. 1985. Effect of intrinsic incubation temperature on the ability of *Aedes taeniorhynchus* and *Culex pipiens* to transmit Rift Valley fever virus. *Am. J. Trop. Med. Hyg.* 34(6):1211-1218.
- Wallis, G. P. et al. 1985. Selection for susceptibility and refractoriness of *Aedes aegypti* to oral infection with yellow fever virus. *Am. J. Trop. Med. Hyg.* 34(6):1225-1230.

#### WATER MANAGEMENT

- El Gaddal, A. A. 1985. The Blue Nile Health Project: a comprehensive approach to the prevention and control of water-associated diseases in irrigated schemes of the Sudan. *J. Trop. Med. Hyg.* 88:47-56.

#### CORRECTIONS

- J. Am. Mosq. Control Assoc.* 1(4):551, Chemical Control, 4th title, change Brown to Bown.  
*Ibid.* 1(4):554, last title, change diary to dairy.