

LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1979—Part 11

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ADULTICIDES, LARVICIDES AND OVICIDES

- Armstrong, J. A. 1979. Effect of meteorological conditions on the deposit pattern of insecticides. *Mosquito News* 39(1):10-13.
- Caron, D. M. 1979. Effects of some ULV mosquito abatement insecticides on honey bees. *J. Econ. Ent.* 72(1):148-151.
- Coosemans, M. H. and Sales, S. 1978. Stage IV evaluation of three insecticides—OMS-1, OMS-1394 and OMS-1998 against anopheline mosquitoes; residual effects of two insecticides—OMS-1821 and OMS-1856. *WHO/VBC/78.687*. *Corr.* 1, 1 p.
- Eshghy, N., Janbaksh, B. and Motabar, M. 1979. Experimental hut trials for the evaluation of bendiocarb (Ficam W) against *Anopheles stephensi* Khesht district, Kazeroun, southern Iran, 1977. *Mosquito News* 39(1):126-129.
- Kerdpibule, V., Deesin, T. and Sucharit, S. 1978. Residual effectiveness of insecticidal deposits on various wall surfaces. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):423-426. [*Culex p. quinquefasciatus*.]
- Kolta, S. and Hoek, Y. K. 1978. Integrated malaria control measures as applied in problem areas in Penang Island, Peninsular Malaysia, 1974-1975. *WHO/VBC/78.696*, *WHO/MAL/78.903*, 5 pp.
- Lee, P. W., Allahyari, R. and Fukuto, T. R. 1978. Studies on the chiral isomers of fonofos and fonofos oxon: 1. Toxicity and antiesterase activities. *Pesticide Biochem. and Physiol.* 8(2):146-157.
- Maradufu, A., Lubega, R. and Dorn, F. 1978. Isolation of (5E)-ocimene, a mosquito larvicide from *Tagetes minuta*. *Lloydia* 41(2):181-183.
- Paulov, S. and Paulovova, J. 1977. The effect of the preparations ICI 33838 and VUFB 7319 on the development and reproduction of mosquitoes. *Veterinaria Czech.* 19(5):35-44. *Engl. Sum.*
- Paulov, S., Paulovova, J. and Varkonda, S. 1977. Insecticidal properties of N-phenyl-N'-methyl urea. *Agrochemia (Brauslava)* 17(10):277-278. *In Slo., Engl. Sum.* [*Culex pipiens*.]
- Rathburn, C. B., Jr. 1979. Insecticides for the control of mosquitoes and other Diptera. *Mosquito News* 39(1):58-63.
- Rathburn, C. B., Jr., Beidler, E. J., Dodd, G. and Alfferty, A. 1979. Aerial applications of sand formulation of methoprene for the control of salt-marsh mosquito larvae. *Mosquito News* 39(1):76-80.
- Rathburn, C. B., Jr., Boike, A. H., Jr., Hallmon, C. F. and Cotterman, S. G. 1978. Laboratory tests of the effectiveness of selected adulticides and larvicides against a wild strain of *Aedes aegypti* (Linnaeus) as compared to a laboratory strain of *Aedes taeniorhynchus* (Wiedemann). *Fla. Anti-Mosquito Assoc. Proc.* 49:1-3.
- Raw, G. P., Webster, G. R. B. and Findlay, G. M. 1978. Effect of pool bottom substrate on residues and bioactivity of chlorpyrifos, against larvae of *Culex tarsalis* (Diptera: Culicidae). *Canad. Ent.* 110(12):1269-1276.
- Reiter, P. 1978. Expanded polystyrene balls: an idea for mosquito control. *Ann. Trop. Med. and Parasitol.* 72(6):595-596.
- Strickman, D. 1979. Malathion as ground-applied ULV evaluated against natural populations of *Culex pipiens* and *Cx. restuans*. *Mosquito News* 39(1):64-67.
- Wattal, B. L. and Coauthors. 1978. Fenitrothion indoor residual spray and its impact on malaria transmission in Garbara-Gujarat. *J. Commun. Dis.* 10(1):31-40.
- World Health Organization. 1978. Methods for laboratory and simulated field evaluation of insecticides. *WHO/VBC/78.700*, 15 pp.
- Wyniger, R., Moyses, E. W., Knüsel, F. and Geller, W. 1977. Azamethiphos—a new insecticide for use in public hygiene. *Brit. Crop Protect. Conf. Pests and Diseases Proc. Vol. 3*: pp. 1025-1032. [*Aedes, Anopheles, Culex* included.]

GROWTH REGULATORS

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Buči, K., Ishibashi, S. and Okada, K. 1978.

- Field tests of two formulations of methoprene for the control of *Culex pipiens pallens*. *Jap. J. Sanit. Zool.* 29(4):369-371. In *Jap., Engl. Sum.*
- Cocke, J. and Coauthors. 1978. Determination of absorption and mortality rates resulting from pulse exposure of *Aedes aegypti* larvae to a fluorescent insect growth regulator. *Southwest. Ent.* 3(1):21-26.
- Farlow, J. E., Breaud, T. P., Steelman, C. D. and Schilling, P. E. 1978. Effects of the insect growth regulator diflubenzuron on non-target aquatic populations in a Louisiana intermediate marsh. *Environmtl. Ent.* 7(2):199-204.
- Moore, W. H. 1978. Altosid briquets: a new controlled release IGR formulation. *Fla. Anti-Mosquito Assoc. Proc.* 49:22-24.
- Petruchuk, O. E. and Alekseev, A. N. 1979. Imago *Culex pipiens molestus* Forsk. as a means for blood-sucking mosquito larvae control in Pribaikalie northern Taiga in the BAM route. *Med. Parazit. i Parazit. Bolezni* 48(1):35-41. In *Rus., Engl. Sum.* [Dimilin.]
- Phanthumachinda, B. and Wattanachai, P. 1978. Effectiveness of methoprene (Altosid) in water jars in Bangkok, Thailand for the control of *Aedes aegypti* (L.). *WHO/VBC/78.699*, 3 pp.
- Pridantseva, E. A., Kupriyanova, E. S., Ak-senova, A. S. and Vorotnikova, L. M. 1979. Trials of Altosid SR-10, a drug with juvenile activity, against *Culex pipiens molestus* (Forsk., 1775) mosquitoes breeding in basement floors. *Med. Parazit. i Parazit. Bolezni* 48(1):31-35. In *Rus., Engl. Sum.*
- Shekhter, O. V., Pridantseva, E. A. and Tszin, Yu. S. 1978. The effect of insect growth inhibitors on *Aedes aegypti* L. mosquitoes and *Rhodnius prolixus* Stal bugs. Communication III. The activity of diarilideneclonones. *Med. Parazit. i Parazit. Bolezni* 47(6):69-72. In *Rus., Engl. Sum.* [*Culex p. quinquefasciatus* also included.]
- Shekhter, O. V., Tszin, Yu. S. and Pridantseva, E. A. 1979. Investigation of compounds with juvenile activity. XII. Study of juvenile activity changes for *Aedes aegypti* L. Larvae of epoxides of some alkenyl phenyl esters under the action of structural modifications. *Med. Parazit. i Parazit. Bolezni* 48(1):27-30. In *Rus.*
- Tszin, Yu. S., Shekhter, O. V., Sergovskaya, N. L. and Pridantseva, E. A. 1979. Investigation of compounds with juvenile activity. XI. Effect of analogues of sesquiterpene esters, containing no methyl group at C-7, on *Aedes aegypti* L. larvae. *Med. Parazit. i Parazit. Bolezni* 48(1):24-27. In *Rus.*
- Yap, H. H. and Jamaludin, S. 1979. Laboratory susceptibility tests of an arylterpenoid insect growth regulator, MV-678, against six species of mosquitoes. *Mosquito News* 39(1):81-85.

MOSQUITO CONTROL AGENCY PROBLEMS

- Fontaine, R. E. and Schaefer, C. H. 1978. Integrated pest management research: mosquito control. *Calif. Agr.* 32(2):29-31.
- Nolan, M. P., Jr. 1978. Organized community-wide mosquito control programs in Georgia. *Fla. Anti-Mosquito Assoc. Proc.* 49:24-26.

PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

- Brown, B. J. and Platzer, E. G. 1978. Oxygen and the infectivity of *Romanomermis culicivorax*. *J. Nematol.* 10(2):110-113.
- Brown, B. J. and Platzer, E. G. 1978. Salts and the infectivity of *Romanomermis culicivorax*. *J. Nematology* 10(1):53-61.
- Chen, P. S. 1977. Studies on fish as agents in mosquito control. *Natl. Sci. Council Proc.* 10(2):335-359. [*Gambusia affinis* included.]
- Cook, R. M. and Cockrell, B. J. 1978. Predator ingestion rate and its bearing on feeding time and the theory of optimal diets. *J. Animal Ecol.* 47(2):529-547. [*Culex pipiens molestus* included.]
- de Bargac, H. and Coz, J. 1979. Sensibilité comparée de six espèces différentes de moustiques à *Bacillus thuringiensis* var. *israelensis*. *WHO Bul.* 57(1):139-141. [Species of *Aedes* and *Anopheles* included.]
- Eshita, Y., Ito, H. and Kurihara, T. 1978. Effects of some mucilaginous plant seeds on mosquito larvae as a biological control agent. *Jap. J. Sanit. Zool.* 29(4):345-349. In *Jap., Engl. Sum.*
- Focks, D. A., Seawright, J. A. and Hall, D. W. 1978. Deterministic model for simulating the predation of *Toxorhynchites rutilus rutilus* on *Aedes aegypti*. *USDA Agr. Res. Serv. ARS-S-178*, 25 pp.
- Hester, P. G., Clements, B. W., Jr., Dukes, J. C. and Swenson, W. N. 1978. Effects of Dibrom applied as aerial sprays on non-target salt marsh organisms in northwest Florida. *Fla. Anti-Mosquito Assoc. Proc.* 49:3-5.
- Ilyaletdinova, S. G. 1978. The algal control of bloodsucking insects. *Vodnye Resursy, Moskva* 4:179-182. In *Rus.*
- Jakob, W. L. and Eads, R. B. 1979. Phoretic

- relationship between bird Mallophaga and mosquitoes. *Mosquito News* 39(1):137.
- Krylova, V. N. 1977. Action of toxins of entomopathogenic fungi on bloodsucking arthropods. *In* Biologicheskie metody bor'by s krovososushchimi nasekomymi i kleshchami (edited by Romasheva, L. F.). pp. 74-77. In Rus.
- Lanciani, C. A. 1979. Detachment of parasitic water mites from the mosquito *Anopheles crucians* (Diptera: Culicidae). *J. Med. Ent.* 15(2):99-102.
- Lavreniuk, N. M. and Uzdenov, U. B. 1977. Action of a thermostable exotoxin of the *Bacillus thuringiensis* group, isolated from strains from bloodsucking arthropods, on *D. gallinae*. *In* Biologicheskie metody bor'by s krovososushchimi nasekomymi i kleshchami (edited by Romasheva, L. F.). pp. 32-34. In Rus.
- Lebedinets, N. N. and Coauthors. 1978. Study of the *Aedes aegypti* L. denonucleosis virus effect on preimaginal stages of different species of blood-sucking mosquitoes. *Mikrobiol. Zhur.* 40(3):352-356. In Rus., Engl. Sum.
- Levy, R. and Coauthors. 1979. Aerial application of *Romanomermis culicivoxax* (Mermithidae: Nematoda) to control *Anopheles* and *Culex* mosquitoes in southwest Florida. *Mosquito News* 39(1):20-25.
- Levy, R. and Miller, T. W., Jr. 1978. Effect of chloride concentration of some mosquito habitats of southwest Florida on the planarian *Dugesia dorotocephala*. *Fla. Anti-Mosquito Assoc. Proc.* 49:20-22.
- Mead, A. P. 1978. A rhabdocoele turbellarian predator on the aquatic stages of mosquitoes. *Ann. Trop. Med. and Parasitol.* 72(6):591-594.
- Motabar, M. 1978. Larvivorous fish, *Gambusia affinis*—a review. WHO/VBC/78.703, 5 pp.
- Murdoch, W. W. and Sih, A. 1978. Age-dependent interference in a predatory insect. *J. Animal Ecol.* 47(2):581-592. [Includes mosquitoes.]
- Petersen, J. J. 1978. Development of resistance by the southern house mosquito to the parasitic nematode *Romanomermis culicivoxax*. *Environmtl. Ent.* 7(4):518-520.
- Reardon, T. R. and Lunt, S. R. 1978. Nematodes parasitizing adult mosquitoes in the Omaha-Council Bluffs area. *Nebr. Acad. Sci. Proc.* 88:21-22.
- Sayre, R. M. and Clark, T. B. 1978. *Daphnia magna* (Cladocera: Chydoroidea). A new host of a *Helicosporidium* sp. (Protozoa: Helicosporida). *J. Invert. Path.* 31(2):260-261. [*Aedes aegypti* included.]
- Shcherbak, V. P. and Shcherban, Z. P. 1977. Discovery and histopathology of mycosis of the larvae of bloodsucking mosquitoes. *In* Biologicheskie metody bor'by s krovososushchimi nasekomymi i kleshchami (edited by Romasheva, L.F.). pp. 68-73.
- Shcherban, Z. P. and Shcherbak, V. P. 1977. Use of some non-food species of fish for the control of preimaginal phases of mosquitoes. *In* Biologicheskie metody bor'by s krovososushchimi nasekomymi i kleshchami (edited by Romasheva, L.F.). pp. 63-67. In Rus.
- Singh, M. 1978. A mermithid parasite in the thorax of an adult mosquito. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):454-455.
- Singh, M. 1978. Melanotic encapsulation of mermithids by mosquito larvae. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):455-456.
- Sweeney, A. W. 1979. Further observations on the host range of the mosquito fungus *Culicinomyces*. *Mosquito News* 39(1):140-142.
- Trimble, R. M. and Smith, S. M. 1978. Geographic variation in development time and predation in the tree-hole mosquito, *Toxorhynchites rutilus septentrionalis* (Diptera: Culicidae). *Canad. J. Zool.* 56(10):2156-2165.
- Weiser, J. 1978. Production of the microsporidian *Phistophora culicis* Weiser in substitute host. *Folia Parasitol.* 25(4):365. [Mosquitoes mentioned.]

VARIOUS TYPES OF CONTROL

- Hayes, R. O. and Coauthors. 1978. Lewis and Clark Lake mosquito control recommendations. *J. Environmtl. Engin. Div.* EE4:701-716.
- Hayes, R. O. and Nielsen, R. L. 1978. Irrigation management service and mosquito control. *J. Irrigation and Drainage Div.* IR2:153-163.
- Joubert, L. 1978. Les ententes interdepartementales pour la demoustication (E.I.D.). *Rev. de Méd. Vét. (Toulouse)* 129(3):513-516. [*Aedes*, *Anopheles*, *Coquillettidia*, *Culex*.]
- Scholl, P. J. and DeFoliart, G. R. 1979. Pipe insulating cement for closing treehole breeding sites of *Aedes triseriatus*. *Mosquito News* 39(1):149.

COST ANALYSIS

- Bruce-Chwatt, L. J. 1978. The cost of malaria and its control in relation to socioeconomic realities. Bol. Ofic. Sanit. Panamer. 85(5):392-406. In Sp., Engl. Sum.

EQUIPMENT

- Sherick, J. N. 1979. Modification of Homelite Mist Blower Model 24B-4A, serial no. 311700. Mosquito News 39(1):132-133.

ATTRACTANTS AND REPELLENTS

- Das, P. K. and Reuben, R. 1978. Colour preferences of *A. stephensi* Liston in the laboratory—a short note. Indian J. Med. Res. 68(Nov.):752-755.
- Feldlaufer, M. F. and Crans, W. J. 1979. The relative attractiveness of carbon dioxide to parous and nulliparous mosquitoes. J. Med. Ent. 15(2):140-142.
- McDaniel, I. N., Bentley, M. D., Lee, H. P. and Yatagai, M. 1979. Studies of *Aedes triseriatus* (Diptera: Culicidae) oviposition attractants. Evidence for attraction production by kaolin-treated larvae. Canad. Ent. 111(2):143-147.
- Schreck, C. E. and Coauthors. 1978. Repellents vs. toxicants as clothing treatments for protection from mosquitoes and other biting flies. J. Econ. Ent. 71(6):919-922.

RESISTANCE AND SUSCEPTIBILITY

- Alekseev, A. N. and Drobozina, V. P. 1979. Problems associated with the development of resistance to insecticides in malarial mosquitoes and the necessity of overcoming it. Med. Parazit. i Parazit. Bolezni 48(1):3-6. In Rus., Engl. Sum.
- Avad, H. and Georghiou, G. P. 1979. Resistance pattern of *Anopheles albimanus* Wied. following selection by parathion. Mosquito News 39(1):121-125.
- Chen, Y. P. and Sudderuddin, K. I. 1978. Toxicological studies of insecticides on *Culex quinquefasciatus* Say and *Aedes aegypti* (L.). Southeast Asian J. Trop. Med. and Pub. Health 9(3):378-383.
- Cristescu, A. and Coauthors. 1977. Bioecological implications of insecticide use in control of medically important insects. Arch. Roumaines Path. Expt. et Microbiol. 36(3-4): 293-299. In Engl. [*Anopheles* spp.]
- Iyengar, R. 1977. Status of anopheline vectors of malaria to insecticide resistance in Iraq.

Bul. Endemic Dis. (Baghdad) 18(1-4):93-107.

- Kerr, R. W. 1977. Resistance to control chemicals in Australian arthropod pests. Austral. Ent. Soc. J. 16(3):327-334. [*Aedes aegypti* and *Culex pipiens quinquefasciatus* included.]
- Pasteur, N. and Sinègre, G. 1978. Autogenesis vs. esterase polymorphism and chlorpyrifos (Dursban) resistance in *Culex pipiens pipiens* L. Biochem. Genetics 16(9-10):941-943.
- Priester, T. M. and Georghiou, G. P. 1979. Inheritance of resistance to permethrin in *Culex pipiens quinquefasciatus*. J. Econ. Ent. 72(1):124-127.
- Roy, R. G. and Coauthors. 1978. Susceptibility status of adult *A. stephensi* to propoxur in Tamil Nadu. Indian J. Med. Res. 68(Nov.):744-746.
- Sinha, V. P. 1979. Experiences with susceptibility experiments. Mosquito News 39(1):91-93.
- Sulaiman, H. M. S., Naqvi, S. N. H. and Mohammad, A. M. S. 1978. "Toxicity of some standard and prospective chemosterilants" against *Aedes aegypti* (L.) larvae. Current Sci. 47(19):743-744.
- Taylor, C. E. and Georghiou, G. P. 1979. Suppression of insecticide resistance by alteration of gene dominance and migration. J. Econ. Ent. 72(1):105-109. [*Culex pipiens quinquefasciatus*.]

PESTICIDES AND CHEMICALS

- Davies, J. E. 1977. The agromedical approach to pesticide management. UC/AID—Univ. of Alexandria (Berkeley, Calif.) A.R.E. Seminar/Workshop in Pesticide Mgt. Proc. Mar. 5-10, pp. 50-60. [*Anopheles* included.]
- Pest Control. 1979. 1979 buyers' guide. Pest Control 47(3):30-56, in passim.
- Simonet, D. E., Knausenberger, W. I., Townsend, L. H., Jr. and Turner, E. C., Jr. 1978. A biomonitoring procedure utilizing negative phototaxis of first instar *Aedes aegypti* larvae. Arch. Environmtl. Contam. and Toxicol. 7:339-347.
- World Health Organization. 1978. Interim specifications for pesticides for use in public health vector control programmes. Pesticide development and safe use unit. WHO/VBC/78.698, 80 pp.
- Wurtsbaugh, W. A. and Apperson, C. S. 1978. Effects of mosquito control insecticides on nitrogen fixation and growth of blue-green algae in natural plankton associations. Bul. Environmtl. Contam. and Toxicol. 19(6):641-647.

BEHAVIOR, BIOLOGY AND ECOLOGY

- Bailey, D. L., Thomas, J. A., Munroe, W. L. and Dame, D. A. 1979. Viability of eggs of *Anopheles albimanus* and *Anopheles quadrimaculatus* when dried and stored at various temperatures. *Mosquito News* 39(1):113-116.
- Buescher, M. D. and Bickley, W. E. 1979. The second blood meal of the northern house mosquito: bird vs. human blood. *Mosquito News* 39(1):93-96.
- Bulychev, V. P. and Coauthors. 1978. Hosts of mass mosquito (Diptera, Culicidae) species in Tadzhikistan. *Med. Parazit. i Parazit. Bolezni* 47(6):65-69. In Russ., Engl. Sum.
- Covell, C. V., Jr. and Brownell, A. J. 1979. *Aedes atropalpus* in abandoned tires in Jefferson County, Kentucky. *Mosquito News* 39(1):142.
- Davies, J. B. 1978. Attraction of *Culex portesi* Senevet and Abonnenc and *Culex taenopis* Dyar and Knab (Diptera: Culicidae) to 20 animal species exposed in a Trinidad forest. I. Baits ranked by numbers of mosquitoes caught and engorged. *Bul. Ent. Res.* 68(4):707-719.
- Edman, J. D. 1979. Orientation of some Florida mosquitoes (Diptera: Culicidae) toward small vertebrates and carbon dioxide in the field. *J. Med. Ent.* 15(3):292-296.
- Gerold, J. L. 1977. Behavioural differences in field populations of *Anopheles sacharovi* in Turkey and in selected strains of *Anopheles atroparvus*. *Acta Leidensia* 45:67-77.
- Gillies, M. T. and Wilkes, T. J. 1978. The effect of high fences on the dispersal of some West African mosquitoes (Diptera: Culicidae). *Bul. Ent. Res.* 68(3):401-408.
- Gozhenko, V. A. 1979. Migration of *Mansonia richiardii* Fic. larvae in natural biotopes. *Ekologiya (Akad. Nauk SSSR) No. 1*:109-110. In Rus.
- Hayles, L. B., Weegar, H. H., Iversen, J. O. and McLintock, J. 1979. Overwintering sites of adult mosquitoes in Saskatchewan. *Mosquito News* 39(1):117-120.
- Hudson, J. E. 1978. Canada's national mosquito? Mass resting of *Anopheles earlei* (Diptera: Culicidae) females in a beaver lodge in Alberta. *Canad. Ent.* 110(12):1345-1346. [earli in original.]
- Hwang, Y. S., Navvab-Gojrati, H. A. and Mulla, M. S. 1978. Overcrowding factors of mosquito larvae. II. Biological activity of 2-haloocet-adecanoic acids and alkyl 2-haloocetadecanoates against mosquito larvae. *J. Agr. and Food Chem.* 26(6):1293-1296.
- Ikemoto, T. 1978. Studies on the spatial distribution pattern of larvae of the mosquito, *Anopheles sinensis*, in rice fields. *Res. on Population Ecol.* 19(2):237-249.
- Kay, B. H., Boreham, P. F. L. and Edman, J. D. 1979. Application of the "feeding index" concept to studies of mosquito host-feeding patterns. *Mosquito News* 39(1):68-72.
- Leahy, M. G., VandeHey, R. C. and Booth, K. S. 1978. Differential response to oviposition site by feral and domestic populations of *Aedes aegypti* (L.). (Diptera: Culicidae). *Bul. Ent. Res.* 68(3):455-463.
- Magnarelli, L. A. 1979. Feeding behavior of mosquitoes (Diptera: Culicidae) on man, raccoons, and white-footed mice. *Ent. Soc. Amer. Ann.* 72(1):162-166.
- Mailhot, Y. and Maire, A. 1978. Caractérisation écologique des milieux humides à larves de moustiques (Culicidae) de la région subarctique continentale d'Opinaca (territoire de la Baie de James, Québec). *Canad. J. Zool.* 56(11):2377-2387. Engl. Sum.
- Mostropaolo, W. and Lang, C. A. 1978. DNA polymerase profile during the mosquito life span. *Expt. Gerontol.* 13(3-4):207-211. [*Aedes aegypti* included.]
- Panicker, K. N. and Rajogopalan, P. K. 1978. A note on the tree hole breeding mosquitoes in Pondicherry town. *Indian J. Med. Res.* 68(Oct.):610-613.
- Parker, B. M. 1979. Development of the mosquito *Aedes dorsalis* (Diptera: Culicidae) in relation to temperature and salinity. *Ent. Soc. Amer. Ann.* 72(1):105-108.
- Rademacher, R. E. 1979. Studies of overwintering larvae of *Coquillettidia perturbans* mosquitoes in Minnesota. *Mosquito News* 39(1):135-136.
- Reuben, R. 1978. A report on mosquitoes collected in the Krishna-Godavari delta, Andhra Pradesh. *Indian J. Med. Res.* 68(Oct.):603-609.
- Roberts, D. R. and Scanlon, J. E. 1979. Field studies on the population biology of immature stages of six woodland mosquito species in the Houston, Texas area. *Mosquito News* 39(1):26-34.
- Russo, R. 1978. Substrate texture as an oviposition stimulus for *Aedes vexans* (Diptera: Culicidae). *J. Med. Ent.* 15(1):17-20.
- Scotton, G. L. and Axtell, R. C. 1979. *Aedes taeniorhynchus* and *Ae. sollicitans* (Diptera: Culicidae) oviposition on coastal dredge spoil. *Mosquito News* 39(1):97-110.
- Sichinava, Sh. G. 1978. Preferable hosts of bloodsucking mosquitoes (Diptera, Culicidae) in the Abkhazian ASSR. *Acad. Sci. Georgian SSR Bul., Tbilisi* 89(1):189-192. In Rus., Engl. Sum.

- Sichinava, Sh. G. 1978. Study of the biology and ecology of mosquitoes of *Culex pipiens* complex (Culicidae) in Abkhazia. *Parazitologiya* 12(6):523-528. In Rus., Engl. Sum.
- Sinsko, M. J. and Craig, G. B., Jr. 1979. Dynamics of an isolated population of *Aedes triseriatus* (Diptera: Culicidae). *J. Med. Ent.* 15(2):89-98.
- Snow, W. F. and Boreham, P. F. L. 1978. The host-feeding patterns of some culicine mosquitoes (Diptera: Culicidae) in The Gambia. *Bul. Ent. Res.* 68(4):695-706.
- Subra, R. 1977. The regulation of preimaginal populations of *Aedes aegypti* L. "type form" on the Kenya Coast. Internatl. Centre Insect Physiol. and Ecol. (Nairobi). Fifth Ann. Rpt. pp. 25-27.
- Sucharit, S., Tumrasvin, W., Vutikes, S. and Viraboonchai, S. 1978. Interactions between larvae of *Aedes aegypti* and *Aedes albopictus* in mixed experimental populations. Southeast Asian J. Trop. Med. and Pub. Health 9(1):93-97.
- Taylor, D. M., Bennett, G. F. and Lewis, D. J. 1979. Observations on the host-seeking activity of some Culicidae in the Tantramar marshes, New Brunswick. *J. Med. Ent.* 15(2):134-137.
- Valentyuk, E. I. 1979. Effect of feeding of imago *Culex pipiens molestus* Forsk. mosquitoes on fertility of females, duration of the development and survival of their progeny. *Med. Parazit. i Parazit. Bolezni* 48(1):41-44. In Rus., Engl. Sum.
- See also Rahman et al. in *Malaria—Vectors Section*
- GENETICS AND GENETIC CONTROL
- Ali, Z. and Adhami, U. M. 1977. A new antennal mutant in *Culex pipiens fatigans*. *Indian J. Zool.* 5(2):7-11.
- Apperson, G. W. 1979. A melanotic mutant of *Culex tarsalis*. *Mosquito News* 39(1):14-18.
- Fiil, A. 1978. Meiotic chromosome pairing and synaptonemal complex transformation in *Culex pipiens* oocytes. *Chromosoma* (Berlin) 69(3):381-395.
- Hii, J. L. K. 1978. Co-existence and attempted hybridization between *Anopheles litoralis* (King) and *Anopheles sudaucicus* (Rodenwaldt) in Sabah, Malaysia. Southeast Asian J. Trop. Med. and Pub. Health 9(3):384-389.
- McDonald, P. T., Asman, S. M. and Terwedow, H. A., Jr. 1978. Sex-linked translocations in *Culex tarsalis*: chromosome—linkage group correlation and segregation patterns. *J. Heredity* 69(5):304-310.
- Mittal, O. P. and Dev. V. 1977. A photomap of the salivary gland chromosomes of *Anopheles stephensi* Liston (Culicidae: Diptera). *Cytobios* 19(75-76):151-157.
- Newton, M. E., Southern, D. I. and Wood, R. J. 1978. Relative DNA content of normal and sex-ratio distorting spermatozoa of the mosquito, *Aedes aegypti* (L.). *Chromosoma* (Berlin) 67(3):253-261. [Chromosoma (Berlin) 69(3):396 has listed errata for above mentioned article.]
- Rodriguez, D. J. and Machado-Allison, C. E. 1977. Genetica y ecologia de un nuevo mutante (peritrofica) de *Aedes aegypti* (L.). *Acta Biol. Venez.* 9(3):347-375.
- Rodriguez, P. H., Barron, J. L. and Dugi, D., Jr. 1978. Effects of acridine orange on the productivity of male *Aedes aegypti* (Diptera: Culicidae). *J. Med. Ent.* 15(1):32-35.
- Sakai, R. K. and Coauthors. 1979. Linkage group-chromosome correlation in the malaria vector, *Anopheles culicifacies*. *Ent. Soc. Amer. Ann.* 72(1):171-172.
- Seawright, J. A., Carlson, D. A. and Konyha, K. D. 1978. Failure of acids to eliminate aziridiny residues in chemosterilised mosquitoes. *Nature* (London) 273(5657):76.
- Seawright, J. A., Childress, L. V. and Benedict, M. Q. 1979. Genetics of *green larva*, a recessive mutant on chromosome 2 in *Anopheles albimanus* Wiedemann. *Mosquito News* 39(1):55-58.
- Seawright, J. A., Haile, D. G., Rabbani, M. G. and Weidhaas, D. E. 1979. Computer simulation of the effectiveness of male-linked translocations for the control of *Anopheles albimanus* Wiedemann. *Amer. J. Trop. Med. and Hyg.* 28(1):155-160.
- Sharma, G. P., Chaudhry, S. and Chaudhry, A. 1978. Studies on the salivary gland chromosomes of an isolated population of *Anopheles stephensi* (Diptera, Culicidae). *Cytobios* 20(77):35-41.
- Sharma, V. P., Subbarao, S. K., Adak, T. and Razdan, R. K. 1979. Integration of gamma irradiation and cytoplasmic incompatibility in *Culex pipiens fatigans* (Diptera: Culicidae). *J. Med. Ent.* 15(2):155-156.
- Steiner, W. W. M. and Joslyn, D. J. 1979. Electrophoretic techniques for the genetic study of mosquitoes. *Mosquito News* 39(1):35-54.
- Tabachnick, W. J. 1978. Identification and linkage relationships of three hexokinase genes in *Aedes aegypti*. *Biochem. Genetics* 16(5-6):571-575.
- Thompson, P. A. and Rodriguez, P. H. 1979. Developmental effects of ethyl methanesulfonate and thiopeta in *Aedes aegypti* (Diptera: Culicidae). *J. Med. Ent.* 15(2):115-121.
- Trpis, M. 1978. Genetics of hematophagy and autogeny in the *Aedes scutellaris* complex

- (Diptera: Culicidae). *J. Med. Ent.* 15(1):73-80.
- von Ende, C. N. 1978. Simulation of release of sex-linked translocation homozygotes for population replacement. *J. Econ. Ent.* 71(3):537-543. [*Aedes aegypti*.]
- Yasuno, M. and Coauthors. 1978. A control experiment with chemosterilized male *Culex pipiens fatigans* Wied. in a village near Delhi surrounded by a breeding-free zone. *Jap. J. Sanit. Zool.* 29(4):325-343. In Engl., *Jap. Sum.*
- ### ANATOMY, MORPHOLOGY AND PHYSIOLOGY
- Asakura, K. 1978. Phosphatase activity in the larva of the euryhaline mosquito, *Aedes togoi* Theobald, with special reference to seawater adaptation. *J. Expt. Marine Biol. and Ecol.* 31(3):325-337.
- Aslamkhan, M. and Reisen, W. K. 1979. A gynandromorph of *Culex* (*Cx.*) *pseudovishnui* from Pakistan. *Mosquito News* 39(1):130-132.
- Donaldson, J. M. I. 1978. Cell division in the male of *Culex pipiens* L. (Diptera: Culicidae) from South Africa. *Ent. Soc. Southern Afr.* J. 41(1):87-90.
- Faucheux, M. J. 1977. Contribution à l'étude de la respiration et de la nutrition chez quelques insectes aquatiques des marais salants: *Stratiomyia*, *Nemotelus*, *Ephydra*, *Aedes* (Dipteres), *Berosus* (Coleoptere), *Sigara* (Hétéroptere); importance des soies hydrofuges et des appareils filtrants. *Soc. Sci. Nat. Ouest France Bul.* 75(2-3):56-68.
- Hagedorn, H. H., Kunkel, J. G. and Wheelock, G. 1978. The specificity of an antiserum against mosquito vitellogenin and its use in a radioimmunochemical precipitation assay for protein synthesis. *J. Insect Physiol.* 24 (6-7):481-489.
- Hecker, H. 1978. Intracellular distribution of ribosomes in midgut cells of the malaria mosquito, *Anopheles stephensi* (Liston) (Insecta: Diptera) in response to feeding. *Internat. J. Insect Morphol. and Embryol.* 7(3):267-272.
- Houk, E. J., Cruz, W. O. and Hardy, J. L. 1978. Electrophoretic characterization of the nonspecific esterases of the mosquito, *Culex tarsalis*: conventional and isoelectric focused acrylamide gels. *Compar. Biochem. and Physiol.* 61B(2):291-295.
- Jalees, S., Murad, H., Hasan, S. A. and Usmani, N. N. 1976. Glycogen concentration in fed and starved *Laccotrephes maculatus* (adult) and *Culex pipiens fatigans* (larval and pupal forms). *Indian J. Zool.* 4(2):19-22.
- Lanir, N. and Cohen, E. 1978. Studies on the effect of the moulting hormone in a mosquito cell line. *J. Insect Physiol.* 24(8-9):613-621.
- Lee, R. M. K. W. and Davies, D. M. 1978. Cibarial sensilla of *Toxorhynchites* mosquitoes (Diptera: Culicidae). *Internat. J. Insect Morphol. and Embryol.* 7(3):189-194.
- Magnarelli, L. A. 1979. Blood-feeding and gonotrophic dissociation in *Anopheles punctipennis* (Diptera: Culicidae) prior to hibernation in Connecticut. *J. Med. Ent.* 15(3):278-281.
- Mazokhin-Porshnyakov, G. A. and Kazyakina, V. I. 1978. Eye structure in larvae of blood-sucking mosquitoes (Diptera, Culicidae). *Zool. Zhur.* 57(12):1827-1833. In Rus., Engl. Sum.
- Nijhout, H. F. and Martin, S. K. 1978. Alpha-adrenergic activity of isoproterenol in mosquito antennae. *Experientia* 34(6):758-759.
- Pappas, L. G. and Larsen, J. R. 1978. Gustatory mechanisms and sugar-feeding in the mosquito, *Culiseta inornata*. *Physiol. Ent.* 3(2):115-119.
- Romoser, W. S. 1978. Buoyancy variation and reduction in *Aedes aegypti* pupae (Diptera: Culicidae). *J. Med. Ent.* 15(1):15-17.
- Romoser, W. S. and Nasci, R. S. 1979. Functions of the ventral air space and first abdominal spiracles in *Aedes aegypti* pupae (Diptera: Culicidae). *J. Med. Ent.* 15(2):109-114.
- Tadkowski, T. M. and Jones, J. C. 1978. Ultra-structure of the midgut in blood-fed and starved female adults of the mosquito, *Aedes aegypti* (L.) (Diptera: Culicidae). *Internat. J. Insect Morphol. and Embryol.* 7(2):185-187.
- Wilkes, T. J. and Charlwood, J. D. 1979. A rapid gonotrophic cycle in *Chagasia bonnae* from Brazil. *Mosquito News* 39(1):137-139.
- ### TECHNIQUES
- Awogun, I. A. 1978. A new staining technique for microfilariae. *Stain Technol.* 53(4):187-189.
- Briegel, H., Lea, A. O. and Klowden, M. J. 1979. Hemoglobinometry as a method for measuring blood meal sizes of mosquitoes (Diptera: Culicidae). *J. Med. Ent.* 15(3):235-238.
- Butterworth, D. E. 1979. Separation of aedine eggs from soil sample debris using hydrogen peroxide. *Mosquito News* 39(1):139-140.
- DiEdwardo, A. A. 1979. A method for demonstrating mosquito egg hatch to large audiences using a 35 mm slide projector. *Mosquito News* 39(1):142-145.

- Feinsod, F. M. and Spielman, A. 1979. An olfactometer for measuring host-seeking behavior of female *Aedes aegypti* (Diptera: Culicidae). *J. Med. Ent.* 15(3):282-285.
- Nayar, J. K., Provost, M. W., Sauerman, D. M., Jr. and Crossman, R. A., Jr. 1979. Quantitative bionomics of *Culex nigripalpus* (Diptera: Culicidae) populations in Florida. 1. Phosphorus-32 marking techniques. *J. Med. Ent.* 15(3):239-245.
- Rasnitsyn, S. P. and Kosovskikh, V. L. 1979. Improved method for registration of mosquito abundance around man with a butterfly net and comparison with registration using a dark bell. *Med. Parazit. i Parazit. Bolezni* 48(1):18-24. In Rus., Engl. Sum.
- Toma, T. and Miyagi, I. 1978. A device for simple mosquito rearing cage "Connection cage". *Jap. J. Sanit. Zool.* 29(4):358-360. In Jap., Engl. Sum.
- Trimble, R. M. and Wellington, W. G. 1979. Colonization of North American *Aedes togoi*. *Mosquito News* 39(1):18-20.
- Williams, R. W. and Hagan, N. K. B. 1978. Atypical laboratory development of the ROCK strain of *Aedes aegypti* (Diptera: Culicidae) involving long submergence for egg hatching and a short pupal period. *J. Med. Ent.* 15(1):87.
- Young, A. D. M. and Downe, A. E. R. 1979. Quantitative assessment with radiotracers of sperm transfer by male *Aedes aegypti* (Diptera: Culicidae). *J. Med. Ent.* 15(3):259-264.

Techniques—Tissue Culture

- Baim, A. S. and Mukherjee, A. B. 1978. The cell cycle of an established cell line of the mosquito *Aedes aegypti*. *Canad. J. Genet. and Cytol.* 20(3):373-376.
- Ellis, D. S., Race, M. W., Simpson, D. I. H. and Varma, M. G. R. 1979. The ultrastructures of dengue type 1 virus in the *Aedes pseudoscutellaris* mosquito cell line. *Roy. Soc. Trop. Med. and Hyg. Trans* 73(1):108-110.
- Igarashi, A. 1978. Isolation of a Singh's *Aedes albopictus* cell clone sensitive to dengue and chikungunya viruses. *J. General Virol.* 40(3):531-544.
- Mitsuhashi, J., Ando, K. and Kitamura, S. 1978. Changes of free amino acids in media during the culture of mosquito cells. *Insect Biochem.* 8(5):329-332.
- Race, M. W., Williams, M. C. and Agostini, C. F. M. 1979. Dengue in the Caribbean: virus isolation in a mosquito (*Aedes pseudoscutellaris*) cell line. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):18-22.

TAXONOMY

- Danilov, V. N. 1978. On clinal variability of some morphological characters in larvae of mosquitoes (Diptera, Culicidae). *Ent. Obozr.* 57(4):900-906. In Rus.
- Faran, M. E. 1979. *Anopheles (Nyssorhynchus) trinkae*, a new species in the Albimanus Section (Diptera: Culicidae). *Mosquito Systematics* 11(1):26-39. [n. sp.]
- Kay, B. H. 1978. Variation in the abdominal sternal banding of *Culex annulirostris* Skuse (Diptera: Culicidae). *Austral. Ent. Soc. J.* 17(4):311-315.
- Kukharchuk, L. P. and Gulii, V. V. 1978. Microstructure of the chorion of eggs of mosquitoes of the genus *Aedes* Mg. (Diptera, Culicidae). *Izvest. Sibirsk. Otdel. Akad. Nauk SSR Ser. Biol.* 5(1):118-121. In Rus.
- Miles, S. J. 1979. A biochemical key to adult members of the *Anopheles gambiae* group of species (Diptera: Culicidae). *J. Med. Ent.* 15(3):297-299.
- Miyagi, I. and Toma, T. 1979. Studies on the mosquitoes in the Yaeyama Islands, Japan. 3. Description of the male, pupa and larva of *Aedes (Verrallina) iriomotensis* (Diptera: Culicidae). *Mosquito Systematics* 11(1):14-25.
- Peyton, E. L. and Harrison, B. A. 1979. *Anopheles (Cellia) dirus*, a new species of the *Leucosphyrus* group from Thailand (Diptera: Culicidae). *Mosquito Systematics* 11(1):40-52. [n. sp.]
- Reid, J. A. 1979. The finding of a missing specimen of *Anopheles (Anopheles) alongensis* Venhuis. *Mosquito Systematics* 11(1):11-13.
- Su, L., Wang, C. and Li, F. 1978. A new species of *Aedes*, *Aedes (Edwardsaedes) antuensis* sp. nov. *Acta Ent. Sinica* 21(4):439-444. In Chin., Engl. Sum. [n. sp.]
- VandeHey, R. C., Leahy, M. G. and Booth, K. S. 1978. Analysis of colour variations in feral, peridomestic and domestic populations of *Aedes aegypti* (L.). (Diptera: Culicidae). *Bul. Ent. Res.* 68(3):443-453.

DISTRIBUTION

- Cassani, J. R. and Bland, R. G. 1978. New distribution records for mosquitoes in Michigan (Diptera: Culicidae). *Great Lakes Entomologist* 11(1):51-52.
- Cheong, W. H. and Mahadevan, S. 1978. Presence of *Anopheles aberrans* Harrison and Scanlon a newly described specie in the *A. aitheni* group from Peninsula Malaysia. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):459-460. [species.]

- Cheong, W. H., Mahadevan, S. and Loong, K. P. 1978. A new collection record of *Anopheles whartoni* from the west coast of Peninsular Malaysia. Southeast Asian J. Trop. Med. and Pub. Health 9(3):458-459.
- Danilov, V. N. 1978. The first finding in the USSR of the mosquito *Aedes (Finlaya) versicolor* Barraud (Diptera, Culicidae), and description of the female and fourth-instar larva. Vest. Zool. (Kiev) No. 3:82-85. In Rus., Engl. Sum.
- Khuda, S. A. 1979. On the spread of *Anopheles maculipennis subalpinus* in the forest steppe of the Dnestr, Dnepr and Bug river areas. Med. Parazit. i Parazit. Bolezni 48(1):82-84. In Rus.
- Kosovskikh, V. L. 1979. Blood-sucking mosquitoes of the Upper Angara depression. Med. Parazit. i Parazit. Bolezni 48(1):6-13. In Rus., Engl. Sum.
- Leprince, D. J., Harrison, R. J. and Loiseau, R. 1978. Nouvelles captures de *Psorophora ciliata* (Fabr.) (Diptera: Culicidae) au Québec, Canada, Ent. Soc. Québec Ann. 23(3):89-90. Engl. Sum.
- Loiseau, R. and Harrison, R. J. 1978. Presence d'*Anopheles barberi* Coquillett dans la région de Saint-Hyacinthe, Québec. Ent. Soc. Québec Ann. 23(2):86-88. Engl. Sum.
- Loiseau, R., Harrison, R. J. and Leprince, D. J. 1979. Première mention d'*Aedes trivittatus* et de *Culiseta inornata* (Diptera: Culicidae) au Québec. Canad. Ent. 111(1):39-40. In Fr., Engl. Sum.
- Lumaho, I. and Itämiä, J. 1978. Observations on the mosquito fauna of Vihanti, central Finland, in the year 1976 (Diptera, Culicidae). Notulae Ent. 58(1):21-25. In Fin., Engl. Sum.
- Miyagi, I. and Toma, T. 1978. Studies on the mosquitoes in the Yaeyama Islands, Japan. 2. Notes on the non-anopheline mosquitoes collected at Ishigakijima, 1975-1976. Jap. J. Sanit. Zool. 29(4):305-312. In Jap., Engl. Sum.
- Mogi, M. 1978. Two species of mosquitoes (Diptera: Culicidae) new to Japan. Jap. J. Sanit. Zool. 29(4):367-368. In Engl., Jap. Sum. [*Aedes seoulensis* and *Culex jacksoni*.]
- Reznik, E. P., Grokhovskaya, I. M. and Nguen Tuan Khoe. 1978. A contribution to the fauna of blood-sucking mosquitoes (Culicidae) in Vietnam. Zool. Zhur. 57(11):1740-1743. In Rus., Engl. Sum.
- Sakellariou, M. and Lane, J. 1977. Notes on the Culicidae recorded in the Copias district of Greece, 1974-1976. Inst. Phytopath. Benaki Ann. n.s. 11(4):302-309. In Engl.
- Xavier, S. H., Calabria, P. V., Cerqueira, E. and da Silva Mattos, S. 1979. Geographical distribution of Culicinae in Brazil—V. State of Piauí (Diptera, Culicidae). Mosquito Systematics 11(1):1-10.

SEVERAL DISEASES

- Bruce-Chwatt, L. J. 1978. Mass travel and imported diseases. Soc. Beige de Med. Trop. Ann. 58(2):77-88.
- Chagin, K. P., Shuikina, E. E., Leikina, E. S. and Ozeretskovskaya, N. N. 1978. The status and prospects of research in immunology of parasitic diseases. Med. Parazit. i Parazit. Bolezni 47(6):10-16. In Rus., Engl. Sum. [Malaria and filariasis included.]

ARBOVIRUSES AND OTHER VERTEBRATE VIRUSES

- Beaucourru, J. C. and Launay, H. 1977. Le lapin de garenne et les zoonoses. Med. et Maladies Infectieuses 7(11):495-501. Engl. Sum. [Myxomatosis.]
- Butenko, A. M. 1978. Prospects of discovery in the USSR of certain arboviruses occurring in other countries. Med. Parazit. i Parazit. Bolezni 47(6):74-80. In Rus., Engl. Sum.
- Chanas, A. C., Johnson, B. K. and Simpson, D. I. H. 1978. Chikungunya virus in vivo autointerference associated with a small plaque variant. Acta Virologica 22(6):485-490.
- Coetzer, J. A. 1977. The pathology of Rift Valley fever. I. Lesions occurring in natural cases in new-born lambs. Onderstepoort J. Vet. Res. 44(4):205-211.
- Coetzer, J. A. and Barnard, B. J. H. 1977. *Hydrops amnii* in sheep associated with hydranencephaly and arthrogryposis with Wesselsbron disease and Rift Valley fever viruses as aetiological agents. Onderstepoort J. Vet. Res. 44(2):119-126.
- Cybinski, D. H. and St. George T. D. 1978. A survey of antibody to Aino virus in cattle and other species in Australia. Austral. Vet. J. 54(8):371-373. [Aino virus isolated in Japan from several species of *Culex*.]
- De Souza Lopes, O. and Coauthors. 1978. Emergence of a new arbovirus disease in Brazil. II. Epidemiologic studies on 1975 epidemic. Amer. J. Epidemiol. 108(5):394-401. [Rocio virus—might be mosquito borne.]
- Eissner, G. and Weber, R. 1978. Experiences with protective myxomatosis vaccination. Prakt. Tierarzt 59(1):9-10. In Ger.
- Fagbami, A. 1978. Human arthropod-borne virus infections in Nigeria. Serological and virological investigations at Shaki, Oyo State.

- J. Hyg. Epidemiol. Microbiol. and Immunol. 22(2):184-189.
- Gentsch, J. R. and Bishop, D. H. L. 1978. Small viral RNA segment of bunyaviruses codes for viral nucleocapsid protein. *J. Virology* 28(1):417-419.
- Hayes, R. O. 1976. Impact of water resources on vector-borne diseases. *J. Water Resources Planning and Mgt. Div. WR2:177-183.*
- Johnson, W. E., Jr. and Harrell, L. 1979. The occurrence of Tensaw virus in central Alabama (Bunyamwera group). *Mosquito News* 39(1):133-135.
- Kascsak, R. J. and Lyons, M. J. 1978. Bunyamwera virus. II. The generation and nature of defective interfering particles. *Virology* 89(2):539-546. [*Aedes albopictus* cells.]
- Loquerie, R., Ravon, D. and Durand, M. 1977. Study of a new vaccine against myxomatosis. Vaccination with an injector apparatus without needle: values, indications. *Rev. Med. Vet. (Toulouse)* 128(8-9):1083-1084, 1087-1097. In Fr., Engl. Sum.
- Maar, S. A., Swanepoel, R. and Gelfand, M. 1979. Rift Valley fever encephalitis: a description of a case. *Cent. Afr. J. Med.* 25(1):8-11.
- Marchette, N. J., Rudnick, A., Garcia, R. and MacVean, D. W. 1978. Alphaviruses in Peninsular Malaysia: I. Virus isolations and animal serology. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):317-329.
- Matthes, S. 1978. Studies on the compatibility of protective myxomatosis vaccination in pregnant, lactating and growing rabbits. *Prakt. Tierarz* 59(1):12, 14-15, 19-20.
- Mercier, —. 1977. New upsurge of myxomatosis in rabbit rearing. *France Agricole* 33(1687):25.
- Metselaar, D. 1978. Arboviruses. *Ned. Tijdschr. v. Geneesk.* 122(35):1293-1299. In Dut.
- Mezencio, J. M. S., Peixoto, M. L. P., Ferreira, P. C. P. and Golgher, R. R. 1978. Induction of interferon by group C arboviruses. Brief report. *Arch. Virology* 58(4):355-358.
- Miah, A. H. and Spradbrow, P. B. 1978. The growth of Akabane virus in chicken embryos. *Res. in Vet. Sci.* 25(2):253-254.
- Mukherjee, K. K. and Coauthors. 1977. Two year study of arbovirus infection amongst the boarders of two hostels in Calcutta. *Indian J. Path. and Microbiol.* 20(3):169-173. [Dengue and chikungunya.]
- Nagarkatti, P. S., D'Souza, M. B. and Rao, K. M. 1978. Use of formalinized goose erythrocytes in HA and HI tests for arboviruses. *Indian J. Expt. Biol.* 16(3):399.
- Nguyen Hong Diet and Libikova, H. 1978. Viral superinfection in cells carrying an arenavirus and/or a togavirus. *Acta Virologica* 22(6):477-484.
- Rosato, R. R., Elwell, M. R. and Eddy, G. A. 1978. Virulence alterations of Tacaribe virus infection in adult mice: lethal model for encephalitis. *Arch. Virology* 58(2):137-147.
- Simpson, D. I. H. 1978. Viral haemorrhagic fevers of man. *WHO Bul.* 56(6):819-832.
- Simpson, D. I. H. 1979. Fièvres hémorragiques virales de l'homme. *WHO Bul.* 57(1):19-32. [See English version by Simpson in above citation.]
- Stephen, E. L., Scott, S. K., Eddy, G. A. and Levy, H. B. 1977. Effect of interferon on togavirus and arenavirus infections of animals. *Texas Rpts. Biol. and Med.* 35:449-454.
- Swanepoel, R., Manning, B. and Watt, J. A. 1979. Fatal Rift Valley fever of man in Rhodesia. *Cent. Afr. J. Med.* 25(1):1-8.
- Arboviruses—Dengue*
- Bengtsson, E. and Ekwall, E. 1978. Dengue fever in a tourist returning from Sri Lanka. *Läkartidningen* 75(30-31):2724. In Sw.
- Bunnag, T. 1978. Disease ecology and control: a nidal base approach to arthropod-borne virus infection. *Med. Assoc. Thailand J.* 61(9):555-559. [Dengue.]
- Farrell, K. T. 1978. An epidemic of dengue fever in Wewak. *Papua New Guinea Med. J.* 21(2):191-196.
- Fraser, H. S. and Coauthors. 1978. Dengue fever in Jamaica with shock and hypocomplementaemia, haemorrhagic, visceral and neurological complications. *West Indian Med. J.* 27(2):106-116.
- Morens, D. M., Woodall, J. P. and López-Correa, R. H. 1978. Dengue in American children of the Caribbean. *J. Pediatrics* 93(6):1049-1051.
- Van Peenen, P. F. D. and Coauthors. 1978. Dengue with haemorrhage and shock in Jakarta, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 9(1):25-32.
- See also Ellis et al. and Race et al. in Techniques—Tissue Culture Section.
- Arboviruses—Encephalitis*
- Carmichael, G. T., Corkern, S. L. and Leonard, C. J. 1978. Encephalitis surveillance as an integral part of a mosquito control program. *Fla. Anti-Mosquito Assoc. Proc.* 49:26-28.
- Emmons, R. W. 1979. Arboviral disease surveillance and control in California. *Pan*

- Amer. Health Organ. Bul. 13(1):46-51. [SLE, WEE.]
- Rowley, W. A. and Coauthors. 1979. Mosquito-borne virus activity in Iowa, 1975-1976. *Mosquito News* 39(1):1-9.
- Terracina, L. G. and Craven, B. R. 1979. Encephalitis surveillance: a one-man operation. *Mosquito News* 39(1):148.
- Arboviruses—Encephalitis—CE, SLE*
- Paulson, G. W. and Brinker, K. R. 1978. St. Louis encephalitis epidemic in Ohio in 1975. *Ohio State Med. J.* 74(8):491-493.
- Pyle, G. F. and Cook, R. M. 1978. Environmental risk factors of California encephalitis in man. *Geograph. Rev.* 68(2):157-170.
- Srihongse, S., Grayson, M. A. and Bosler, E. M. 1979. California encephalitis complex virus isolations from mosquitoes collected in northeastern New York, 1976-1977. *Mosquito News* 39(1):73-76.
- Traavik, T., Mehl, R. and Wiger, R. 1978. California encephalitis group viruses isolated from mosquitoes collected in southern and arctic Norway. *Acta Path. et Microbiol. Scand. Sect. B.* 86(6):335-341.
- Zweighthaft, R. M., Rasmussen, C., Brodnitsky, O. and Lashof, J. C. 1979. St. Louis encephalitis: the Chicago experience. *Amer. J. Trop. Med. and Hyg.* 28(1):114-118.
- Arboviruses—Encephalitis—EEE, WEE*
- Griffiths, B. B., King, S. D., Anglin, A. and Heslop, O. 1978. The role of chickens in the epidemiology of eastern equine encephalomyelitis virus in Jamaica. *Res. in Vet. Sci.* 25(2):200-203.
- Hayes, C. G. 1978. Variations in biological properties of geographic strains of western equine encephalomyelitis virus before and after passage in *Culex tarsalis* and *Culiseta melanura*. *Acta Virologica* 22(5):401-409.
- Hayes, C. G. 1979. Vector competence of colonized *Culiseta melanura* (Diptera: Culicidae) for western equine encephalomyelitis virus. *J. Med. Ent.* 15(3):253-258.
- Weinack, O. M., Snoeyenbos, G. H. and Rosenau, B. J. 1978. Pheasant susceptibility at different ages to eastern encephalitis virus from various sources in Massachusetts. *Avian Dis.* 22(3):378-385.
- Arboviruses—Encephalitis—JE*
- Hati, A. K. 1976. Vectors of Japanese encephalitis. *Indian J. Publ Health* 20(3):149-153.
- Rosen, L., Tesh, R. B., Lien, J. C. and Cross, J. H. 1978. Transovarial transmission of Japanese encephalitis virus by mosquitoes. *Science* 199(4331):909-911.
- Takahashi, M. and Suzuki, K. 1979. Japanese encephalitis virus in mosquito salivary glands. *Amer. J. Trop. Med. and Hyg.* 28(1):122-135.
- Ueba, N. and Coauthors. 1978. Field experiments on live attenuated Japanese encephalitis virus vaccine for swine. *Biken J.* 21(3):95-103.
- Watten, R. H. and Coauthors. 1978. Biomedical survey in the Moluccas, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 9(1):20-24.
- Yamamoto, H. 1978. Arbovirus infections in the mosquitoes of Fukuoka area, Kyushu, Japan. I. Preparatory studies: critical examinations of field-caught mosquitoes for arbovirus isolation attempts. *Jap. J. Sanit. Zool.* 29(4):273-278. In Engl., Jap. Sum.
- Arboviruses—Encephalitis—VEE*
- Gallo de la Torre, M. and Coauthors. 1979. Evaluation of the serologic response to Venezuelan equine encephalitis virus of cattle infected naturally and experimentally. *Bol. Ofic. Sanit. Panamer.* 86(1):10-19. In Sp., Engl. Sum.
- Arboviruses—Semliki Forest*
- Garoff, H., Simons, K. and Dobberstein, B. 1978. Assembly of the Semliki Forest virus membrane glycoproteins in the membrane of the endoplasmic reticulum *in vitro*. *J. Molecular Biol.* 124(4):587-600.
- Garoff, H. and Söderlund, H. 1978. The amphiphilic membrane glycoproteins of Semliki Forest virus are attached to the lipid bilayer by their COOH-terminal ends. *J. Molecular Biol.* 124(3):535-549.
- Helenius, A. and Coauthors. 1978. Human (HLA-A and HLA-B) and murine (H-2K and H-2D) histocompatibility antigens are cell surface receptors for Semliki Forest virus. *Natl. Acad. Sci. USA Proc.* 75(8):3846-3850.
- Jagelman, S., Suckling, A. J., Webb, H. E. and Bowman, E. T. W. 1978. The pathogenesis of avirulent Semliki Forest virus infections in athymic nude mice. *J. General Virol.* 41(3):599-607.
- Reigel, F. and Koblet, H. 1978. Subviral particles from Semliki Forest virus (SFV) infected chick embryo fibroblasts (CEF). *Experientia* 34(12):1664.
- Richardson, C. D. and Vance, D. E. 1978.

- Chemical cross-linking of proteins of Semliki Forest virus: virus particles and plasma membranes from BHK-21 cells treated with colchicine or dibucaine. *J. Virology* 28(1):193-198.
- Spath, P. J. and Koblet, H. 1978. *Aedes albopictus* (mosquito) cells showing strong response to Semliki Forest virus (SFV) infection. *Experientia* 34(12):1664.
- Ulmanen, I. 1978. Assembly of Semliki Forest virus nucleocapsid: detection of a precursor in infected cells. *J. General Virol.* 41(2):353-365.
- Arboviruses—Sindbis*
- Aliperti, G. and Schlesinger, M. J. 1978. Evidence for an autoprotease activity of Sindbis virus capsid protein. *Virology* 90(2):366-369.
- Bonatti, S., Cancedda, R. and Blobel, G. 1979. Membrane biogenesis. *In vitro* cleavage, core glycosylation, and integration into microsomal membranes of Sindbis virus glycoproteins. *J. Cell Biol.*, 80(1):219-224.
- Enzmann, P. J. 1978. Solid phase indirect radioimmunoassays for rapid diagnosis of Sindbis virus antigen. *J. General Virol.* 41(3):641-644.
- Fan, D. P. and Sefton, B. M. 1978. The entry into host cells of Sindbis virus, vesicular stomatitis virus and Sendai virus. *Cell* 15(3):985-992.
- Feuer, B. I. and Coauthors. 1978. Length of glycoprotein spikes of vesicular stomatitis virus and Sindbis virus, measured *in situ* using quasi elastic light scattering and a resistive-pulse technique. *Virology* 90(1):156-161.
- Frey, T. K., Gard, D. L. and Strauss, J. H. 1978. Replication of Sindbis virus. VII. Location of 5-methyl cytidine residues in virus-specific RNA. *Virology* 89(2):450-460.
- Hirsch, R. L., Griffin, D. E. and Winkelstein, J. A. 1978. The effect of complement depletion on the course of Sindbis virus infection in mice. *J. Immunol.* 121(4):1276-1278.
- Schlesinger, S., Sly, W. S. and Schulze, I. T. 1978. Effects of neuraminidase on the phenotype of Sindbis virus grown in fibroblasts obtained from patients with I-cell disease. *Virology* 89(2):409-417.
- Strauss, E. G. 1978. Mutants of Sindbis virus. III. Host polypeptides present in purified HR and Δ 103 virus particles. *J. Virology* 28(2):466-474.
- Symington, J. and Schlesinger, M. J. 1978. Characterization of a Sindbis virus variant with altered host range. *Arch. Virology* 58(2):127-136.
- von Bonsdorff, C. H. and Harrison, S. C. 1978. Hexagonal glycoprotein arrays from Sindbis virus membranes. *J. Virology* 28(2):578-583.
- Yuferov, V. and Coauthors. 1978. Synthesis of Sindbis virus complementary DNA by avian myeloblastosis virus RNA-directed DNA polymerase (BBA 99208). *Biochimica et Biophysica Acta* 519(2):348-355.
- Arboviruses—West Nile*
- Gaidamovich, S. Ya., Ismailov, A. Sh., Klisenko, G. A. and Mirzoeva, N. M. 1978. Detection of Sindbis and West Nile viruses in the blood of living birds by indirect haemagglutination. *Acta Virologica* 22(5):430.
- Wengler, G., Wengler, G. and Gross, H. J. 1978. Studies on virus-specific nucleic acids synthesized in vertebrate and mosquito cells infected with flaviviruses. *Virology* 89(2):423-437.
- Arboviruses—Yellow Fever*
- Aitken, T. H. G., Tesh, R. B., Beaty, B. J. and Rosen, L. 1979. Transovarial transmission of yellow fever virus by mosquitoes (*Aedes aegypti*). *Amer. J. Trop. Med. and Hyg.* 28(1):119-121.
- Ehrnst, A., Lambert, B. and Fagraeus, A. 1978. DNA synthesis in subpopulations of blood mononuclear leucocytes in human subjects after vaccination against yellow fever. *Scand. J. Immunol.* 8(4):339-346.
- Germain, M. and Coauthors. 1978. Épidémiologie de la fièvre jaune en Afrique. *Méd. et Maladies Infectieuses* 8(2):69-77. Engl. Sum.
- Saliou, P., Rey, J. L., Bream, J. G. and Stoessel, P. 1977. A year of utilization of a kit for the surveillance of cholera, yellow fever and smallpox in Upper Volta. *Soc. de Path. Exot. Bul.* 70(5):544-552. In Fr.

FILARIASIS

- Bloomfield, R. D., Suarez, J. R. and Malangit, A. C. 1978. Transplacental transfer of Bancroftian filariasis. *Natl. Med. Assoc. J.* 70(8):597-598.
- Cabrera, B. D. and Valeza, F. 1978. Distribution and density of mosquitoes in two endemic areas for Bancroftian filariasis in Sorogon, Philippines. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):398-405.
- Carne, B. and Laigret, J. 1979. Longevity of *Wuchereria bancrofti* var. *pacifica* and mosquito infection acquired from a patient with

- low level parasitemia. *Amer. J. Trop. Med. and Hyg.* 28(1):53-55.
- Cross, J. H. and Coauthors. 1979. Experimental transmission of *Wuchereria bancrofti* to monkeys. *Amer. J. Trop. Med. and Hyg.* 28(1):56-66.
- Denham, D. A., Suswillo, R. R. and Rogers, R. 1978. Studies with *Brugia pahangi*. 18. Anthelmintic effects of stibocaptate. *J. Helminthol.* 52(3):227-228.
- Denham, D. A., Suswillo, R. S., Rogers, R. and Nelson, G. S. 1978. Studies with *Brugia pahangi*. 20. An investigation of 23 anthelmintics using different screening techniques. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):615-618.
- Dissanaike, A. S. and Mak, J. W. 1978. Experimental infection of the long-tailed macaque, *Macaca fascicularis* with *Wuchereria bancrofti* (rural strain). *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):451-452.
- Grove, D. I. and Forbes, I. J. 1979. Immunosuppression in bancroftian filariasis. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):23-26.
- Grove, D. I., Valeza, F. S. and Cabrera, B. D. 1978. Bancroftian filariasis in a Philippine village: clinical, parasitological, immunological, and social aspects. *WHO Bul.* 56(6):975-984.
- Joesoef, A. and Cross, J. H. 1978. Human filariae in Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 9(1):15-19.
- Kaliraj, P., Rao, K. N., Harinath, B. C. and Ghirnikar, S. N. 1978. Immunization studies in rabbits with human-filarial parasite *Wuchereria bancrofti*. *Indian J. Expt. Biol.* 16(9):994-995.
- Karnaikhov, V. K. 1978. Current helminth control drugs and methods of treatment of helminthiasis (literature survey). *Med. Parazit. i Parazit. Bolezni* 47(8):90-99. In Rus., Engl. Sum. [Levamisole included.]
- Kuhlrow, F. 1978. On the ecology of filariases. *Z. f. Parasitenkunde* 57(3):285-290.
- Kuhlrow, F. and Zielke, E. 1978. Dynamics and intensity of *Wuchereria bancrofti* transmission in the savannah and forest regions of Liberia. *Tropenmed. u. Parasitol.* 29(3):371-381.
- Laigret, J., Fagneaux, G. and Tuira, E. 1978. Progrès dans l'emploi de la diéthylcarbamazine en chimiothérapie de la filariose lymphatique à *Wuchereria bancrofti* var. *pacificae*: la méthode des doses espacées. *WHO Bul.* 56(6):985-990.
- Omar, M. S. and Zielke, E. 1978. Abortive development of *Wuchereria bancrofti* in a West African strain of *Culex pipiens fatigans*. *Tropenmed. u. Parasitol.* 29(3):364-370.
- Owen, R. R. 1978. The exsheathment and migration of *Brugia pahangi* microfilariae in mosquitoes of the *Aedes scutellaris* species complex. *Ann. Trop. Med. and Parasitol.* 72(6):567-571.
- Partono, F. 1979. Studies of the susceptibility of *Culex pipiens fatigans* from non-endemic filarial areas to urban *Wuchereria bancrofti*. *Ann. Trop. Med. and Parasitol.* 73(1):79-81.
- Partono, F. and Purnomo, —. 1978. Clinical features of Timorlian filariasis among immigrants to an endemic area in West Flores, Indonesia. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):338-343.
- Poulsen, S. R. 1978. *Filariasis bancrofti*. A review illustrated by a case. *Ugeskrift for Laeger* 140(36):2166-2167. In Dan., Engl. Sum.
- Rao, C. K. and Rao, Ch. K. 1978. Filariasis among foreign visitors to India. *J. Commun. Dis.* 10(1):75.
- Samarawickrema, W. A. and Laurence, B. R. 1978. Loss of filarial larvae in a natural mosquito population. *Ann. Trop. Med. and Parasitol.* 72(6):561-565.
- Self, L. S. and Coauthors. 1978. A multidisciplinary study on bancroftian filariasis in Jakarta. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):581-587.
- Seo, B. S. 1978. Malayan filariasis in Korea. *Korean J. Parasitol.* 16(Suppl.), 108 pp. Monographic Series No. 1. In Engl.
- Sharma, S. C., Sethi, P. L. and Ramachandran, M. 1978. Metabolic effects of hextrazan (diethyl-carbamyl-4 methyl-piperazine) in albino rats. *J. Commun. Dis.* 10(1):56-59.
- Shibuya, T. and Coauthors. 1978. Evaluation of the intrathoracic injection method for screening of filaricides. *Jap. J. Expt. Med.* 48(5):411-418.
- Sucharit, S., Viraboonchai, S., Panavut, N. and Harinasuta, C. 1978. Studies on the effects of tetracycline on *Brugia pahangi* infection in *Aedes togoi*. *Southeast Asian J. Trop. Med. and Pub. Health* 9(1):55-59.
- Supryaga, V. G. and Andreenkov, A. I. 1978. Diagnosis of filariasis in subjects with low densities of microfilaraemia in the blood. *Med. Parazit. i Parazit. Bolezni* 47(6):100-102. In Rus., Engl. Sum. [*Wuchereria bancrofti* and *Brugia malayi* included.]
- Suswillo, R. R., Denham, D. A., McGreevy, P. B. and Nelson, G. S. 1978. Hybridization between *Brugia pateri*, *B. pahangi* and sub-periodic *B. malayi*. *Parasitology* 77(2):153-160.

- Suzuki, T. and Sone, F. 1978. Breeding habits of vector mosquitoes of filariasis and dengue fever in Western Samoa. *Jap. J. Sanit. Zool.* 29(4):279-286. In Engl., Jap. Sum.
- Filariasis-Dirofilaria*
- Alford, B. T. 1978. Filaricidal activity of levamisole resinatate in dogs. *Heartworm Symposium '77 Proc.*:110.
- Bain, O. 1978. Développement en Camargue de la Filaire du Chien, *Dirofilaria repens* Raillet et Henry, 1911, chez les *Aedes* halophiles. *Mus. Natl. Hist. Naturelle Bul. (Paris) Ser.* 3(510):19-27. Engl. Sum.
- Barsanti, J. A. 1978. Serum and urine proteins in dogs infected with *Dirofilaria immitis*. *Heartworm Symposium '77 Proc.*:53-56.
- Blair, L. S. and Campbell, W. C. 1978. Trial of avermectin B_{1a}, mebendazole and melarsoprol against pre-cardiac *Dirofilaria immitis* in the ferret (*Mustela putorius furo*). *J. Parasitol.* 64(6):1032-1034.
- Boring, J. G. and Farrar, M. 1978. Current review of the adulticidal activity of thiacetarsamide sodium. *Heartworm Symposium '77 Proc.*:86-88.
- Boring, J. G. and Vandeveld, M. 1978. A preliminary report on central nervous system lesions associated with levamisole hydrochloride. *Heartworm Symposium '77 Proc.*:109.
- Byerly, C. S., Donahoe, J. M. R. and Todd, K. S., Jr. 1978. Histopathologic changes in cats experimentally infected with *Dirofilaria immitis*. *Heartworm Symposium '77 Proc.*:79-81.
- Courtney, C. H. and Boring, J. G. 1978. A comparison of the reaction to thiacetarsamide before and after the use of a microfilaricide. *Heartworm Symposium '77 Proc.*:89-94.
- Courtney, C. H. and Nachreiner, R. F. 1978. The effect of diethylcarbamazine on fertility in the dog. *Heartworm Symposium '77 Proc.*:95-96.
- Crowell, W. A. and Coauthors. 1978. Occurrence of *Dirofilaria immitis* and associated pathology in coyotes and foxes from Louisiana. *Heartworm Symposium '77 Proc.*:10-13.
- Guerrero, J. 1978. Immunological modulating influence of levamisole. *Heartworm Symposium '77 Proc.*:104-108.
- Hamilton, D. R. and Bradley, R. E., Sr. 1979. Observations on the early death experienced by *Dirofilaria immitis*-infected mosquitoes (Diptera: Culicidae). *J. Med. Ent.* 15(3):305-306.
- Honaga, S. and Coauthors. 1978. Clinicopathologic observation in prepatent period of canine dirofilariasis. *Jap. J. Vet. Sci.* 40(5):603-614. Jap. Sum.
- Howland, T. P. and Todd, K. S., Jr. 1978. An evaluation of contamination of the Difil[®] test for *Dirofilaria immitis* microfilariae. *Heartworm Symposium '77 Proc.*:31-33.
- Hutchison, W. F. and Turner, A. C. 1979. Glycolytic end products of the adult dog heartworm, *Dirofilaria immitis*. *Compar. Biochem. and Physiol.* 62B:71-73.
- Ishihara, K. and Coauthors. 1978. Clinicopathological studies on canine dirofilarial hemoglobinuria. *Jap. J. Vet. Sci.* 40(5):525-527. In Eng.
- Jackson, R. F. 1978. Studies on the filter techniques for the detection and identification of canine microfilariae. *Heartworm Symposium '77 Proc.*:38-44.
- Jackson, R. F. 1978. The activity of levamisole against the various stages of *Dirofilaria immitis* in the dog. *Heartworm Symposium '77 Proc.*:111-116.
- Jackson, R. F., Seymour, W. G. and Growney, P. J. 1978. An evaluation of thiacetarsamide as an adulticide against *Dirofilaria immitis*. *Heartworm Symposium '77 Proc.*:82-85.
- Lewis, R. E. and Losonsky, J. M. 1978. Sex and age distribution of dogs with heartworm disease. *Heartworm Symposium '77 Proc.*:8-9.
- Lewis, R. E. and Losonsky, J. M. 1978. The frequency of roentgen signs in heartworm disease. *Heartworm Symposium '77 Proc.*:73-75.
- MacLean, J. D., Beaver, P. C. and Michalek, H. 1979. Subcutaneous dirofilariasis in Okinawa, Japan. *Amer. J. Trop. Med. and Hyg.* 28(1):45-48. [*D. repens*.]
- Magnarelli, L. A. 1978. Presumed *Dirofilaria immitis* infections in natural mosquito populations of Connecticut. *J. Med. Ent.* 15(1):84-85.
- Noyes, J. D. 1978. Comparison of the Knott and filter techniques. *Heartworm Symposium '77 Proc.*:34-37.
- Noyes, J. D. 1978. Illinois State Veterinary Medical Association six-year heartworm survey. *Heartworm Symposium '77 Proc.*:1-4.
- Ogburn, P. N., Jackson, R. F., Seymour, G. and Growney, P. J. 1978. Electrocardiographic and phonocardiographic alterations in canine heartworm disease. *Heartworm Symposium '77 Proc.* 67:72.
- Otto, G. F. 1978. The significance of microfilaremia in the diagnosis of heartworm infection. *Heartworm Symposium '77 Proc.*:22-30.

- Palumbo, N. E. and Coauthors. 1978. Preliminary observations on adverse reactions to diethylcarbamazine (DEC) in dogs infected with *Dirofilaria immitis*. Heartworm Symposium '77 Proc.:97-103.
- Perman, V. and Schlotthauer, J. C. 1978. The hematology of dogs with heartworm disease. Heartworm Symposium '77 Proc.:57-62.
- Prescott, C. W., O'Grady, A. S. B. and English, P. B. 1978. Dose rate of diethylcarbamazine for heartworm prophylaxis. Austral. Vet. J. 54(8):404.
- Rawlings, C. A. 1978. Pulmonary vascular response of dogs with heartworm disease. Canad. J. Compar. Med. 42(4):452-459.
- Rawlings, C. A. and Lewis, R. E. 1978. Does heartworm disease produce dilation or hypertrophy of the right ventricle? Heartworm Symposium '77 Proc.:76-78.
- Redington, B. C., Jackson, R. F. Seymour, W. G. and Otto, G. F. 1978. The various microfilariae found in dogs in the United States. Heartworm Symposium '77 Proc.:14-21.
- Saidla, J. E. 1978. Dilation of the hepatic lymphatics. Heartworm Symposium '77 Proc.:63-66.
- Slocombe, J. O. D. and McMillan, I. 1978. The geographic distribution of heartworm in Canada. Heartworm Symposium '77 Proc.:5-7.
- Stokhof, A. A. and Wolvekamp, W. T. C. 1978. Heartworm infected dogs in the Netherlands. Tijdschr. Diergeneesk. 103(20):1121-1129.
- Teer, P. A. 1978. Pathophysiologic evaluation of heartworm treatment. Heartworm Symposium '77 Proc.:50-52.
- Wilkins, R. J., Hurvitz, A. I., Gula, I. and Tilley, L. P. 1978. Clinical experience with a fluorescent antibody test in dogs with occult dirofilariasis. Heartworm Symposium '77 Proc.:45-49.
- MALARIA**
- Agris, J. 1978. Stamps commemorating medicine: "Malaria". J. Dermatol. Surg. Oncol. 4(9):674.
- Ajao, O. G. 1978. Malaria and post-operative fever. J. Trop. Med. and Hyg. 81(8):153-155.
- Akhtar, R., Learmonth, A., and Keynes, M. 1977. The resurgence of malaria in India 1965-76. Geographical 1(5):69-79.
- Bottini, E., Gloria-Bottini, F. and Maggioni, G. 1978. On the relation between malaria and G-6-PD deficiency. J. Med. Genetics 15(5):363-365.
- Brissette, W. H., Coleman, R. M. and Rencricca, N. J. 1978. Depressed splenic T lymphocyte numbers and thymocyte migratory patterns in murine malaria. Soc. Expt. Biol. and Med. Proc. 159(2):317-320.
- Cruz, I., Mody, V., Callender, C. and Hosten, A. 1978. Malaria infection in transplant recipient. Natl. Med. Assoc. J. 70(2):105-107.
- Dutta, H. M. and Dutt, A. K. 1978. Malarial ecology: a global perspective. Social Sci. and Med. 12(2D):69-84.
- Foll, C. 1978. Macdonald's models for schistosomiasis and malaria. Roy. Soc. Trop. Med. and Hyg. Trans. 72(6):676.
- Freeman, R. R. and Parish, C. R. 1978. Spleen cell changes during fatal and self-limiting malarial infections of mice. Immunology 35(3):479-484.
- Gentilini, M. and Coauthors. 1978. Reappearance of autochthonous malaria. Ann. de Med. Interne (Paris) 129(6-7):405-410. In Fr.
- Gillet, J. Marechal, G., Herman, F. and Van Schoor, M. 1978. Congenital malaria in mice and adenosine triphosphate (ATP). Soc. Belge de Med. Trop. Ann. 58(2):89-93. In Fr., Engl. Sum.
- Henderson, D. C., Tosta, C. E. and Wedderburn, N. 1978. Exacerbation of murine malaria by concurrent infection with lactic dehydrogenase-elevating virus. Clin. and Expt. Immunol. 33(2):357-359.
- Hodgson, E. S. and Bruce-Chwatt, L. J. 1978. Preventing deaths from malaria. Brit. Med. J. 6144:1085-1086.
- Huheey, J. E. and Martin, D. L. 1978. Relation between malaria and G-6-PD deficiency—reply. J. Med. Genetics 15(5):407.
- Jaremin, B., Chmielewski, J. and Kotowski, A. 1978. Modern treatment of malaria. Polski Tygodnik Lekarski 33(40):1585-1587. In Pol.
- Larcen, A., Laprevote-Heully, M. C., Voydeville, G. and Bastos, P. 1978. Une nouvelle observation de paludisme autochtone avec contamination probable dans un aéroport international de la région parisienne. Ann. de Med. Interne (Paris) 129(6-7):411-412.
- Lena, S. M. 1978. Triple infections of the liver occurring concurrently. Brit. J. Clin. Pract. 32(7):204. [Malaria included.]
- Lobel, H. O. and Kagan, I. G. 1978. Seroepidemiology of parasitic diseases. Ann. Rev. Microbiol. 32:329-347. [Malaria included.]
- Macara, A. W. 1978. Preventing deaths from malaria. Brit. Med. J. 6147:1296-1297.

- Mel'nik, G. E. and Coauthors. 1978. Factors facilitating the spread of malaria in Vinnitsa Province. *Vrachebnoe Delo* (8):132-135. In Rus., Engl. Sum.
- Ohotomo, H. 1978. Imported malaria. *Nippon Rinsho Suppl.* 1314-1315. In Jap.
- Okafor, G. O., Uche, G. O., Emejuaiwe, S. O. and Marshall, W. C. 1979. Immunoglobulin levels in Nigerian cord blood sera. *Roy. Soc. Trop. Med. and Hyg. Trans* 73(1):27-30. [Malaria included.]
- Pattanavak, S., Roy, R. G., and Ghosh, R. B. 1978. Reappearing malaria in different age groups in Karnataka State. *J. Commun. Dis.* 10(1):21-26.
- Ramsdale, C. D. and Haas, E. 1978. Some aspects of epidemiology of resurgent malaria in Turkey. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):570-580.
- Roberts, D. W. and Weidanz, W. P. 1978. Splenomegaly, enhanced phagocytosis, and anemia are thymus-dependent responses to malaria. *Infect. and Immunity* 20(3):728-731.
- Saint-Yves, I.F.M. 1978. The malaria burden and population growth in the Solomon Islands. *Papua New Guinea Med. J.* 21(2):162-174.
- Stahl, W., Jackson, P., Turek, G. and Gaafar, H. A. 1978. Babesiosis: malaria mimic. *Amer. J. Med. Technol.* 44(6):572-574.
- Sturchler, D. 1978. Epidemiologie und Klinik der Malaria in der Schweiz. *Schweiz. Med. Wochenschr.* 108(46):1810-1811. Engl. Sum.
- Taufa, T. 1978. Malaria and pregnancy. *Papua New Guinea Med. J.* 21(2):197-206.
- Thomas, M. J. G., Mackenzie, W. D. and Chapman, P. J. C. 1978. Preventing deaths from malaria. *Brit. Med. J.* 6145:1158.
- Thoongsuwan, S., Cox, H. W. and Patrick, R. A. 1978. Immunoconglutinin associated with nonspecific acquired resistance in malaria, babesiosis, and other anemia-including infections. *J. Parasitol.* 64(6):1050-1056.
- Walker, E. 1978. Malaria in Glasgow. *Brit. Med. J.* 6153:1718.
- Williamson, W. A., Damisah, M., Greenwood, B. M. and Gilles, H. M. 1978. Hypocomplementaemia in children with *Plasmodium falciparum* malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):676-677.
- Malaria-Cerebral*
- Singh, C. V. and Coauthors. 1978. A rare cause of prolonged unconsciousness following anaesthesia. *Anaesthesia* 33(6):552. [Cerebral malaria.]
- Malaria Control and Eradication*
- Acuña, H. R. 1978. Necesidad de cambios en la lucha contra la malaria. *Bol. Ofic. Sanit. Panamer.* 85(5):377-378.
- Fernandes da Motta, E. G. 1978. Organization and methods for maximum utilization of resources in combating malaria. *Bol. Ofic. Sanit. Panamer.* 85(5):430-441. In Sp., Engl. Sum.
- Hamon, J. 1978. Vector control research and malaria control. *Bol. Ofic. Sanit. Panamer.* 85(5):421-429. In Sp., Engl. Sum.
- Kalra, N. L. 1978. National Malaria Eradication Programme. India—its problems, management and research needs. *J. Commun. Dis.* 10(1):1-20.
- Lepes, T. 1978. Recent advances in malaria research and prospects for the near future. *Bol. Ofic. Sanit. Panamer.* 85(5):407-420. In Sp., Engl. Sum.
- Ossi, G. T. 1977. Malaria Eradication Programme in Iraq 1970-1975. *Bul. Endemic Dis. (Baghdad)* 18(1-4):13-33.
- Ossi, G. 1977. Malaria Eradication Programme Iraq, 1976. *Bul. Endemic Dis. (Baghdad)* 18(1-4):63-73.
- Palacios, S. 1978. Analisis de la situacion actual de la malaria en la region. *Bol. Ofic. Sanit. Panamer.* 85(5):379-391. Engl. Sum.
- Valladares G., R. 1978. Coverage of general health services in rural areas and their relations with malaria programs. *Bol. Ofic. Sanit. Panamer.* 85 (5):442-451. In Sp., Engl. Sum.
- Wo Thy Fang. 1978. Malaria control and eradication in the Socialist Republic of Vietnam. *Med. Parazit. i. Parazit. Bolenzi* 47(6):85-90. In Rus., Engl. Sum.
- Zeigler, K. 1978. New strategy in the fight against malaria. *Z. f. Gesamte Inn. Med.* 33(13):436-439. In Ger., Engl. Sum.
- See also Bruce-Chwatt in Cost Analysis Section.
- Malaria-Immunology*
- Agomo, P. U., Taverne, J., Lelechuk, R. and Playfair, J. H. L. 1979. Cytotoxicity against murine malaria parasites *in vitro*: a method for the quantitative assessment of parasite survival. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):103.
- Brown, K. N., Hills, L. A., Jarra, W. and

- Grundy, M. S. 1979. Isohaemagglutinins in rodent malaria—new ideas about an old problem. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):104.
- Cottrell, B. J., Playfair, J. H. L. and De Souza, B. J. 1978. Cell-mediated immunity in mice vaccinated against malaria. *Clin. and Expt. Immunol.* 34(2):147–158.
- Facer, C. A. and Bray, R. S. 1979. Immune reactions on erythrocytes from Gambian children with *Plasmodium falciparum* malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):106.
- Freeman, R. R. 1978. T cell function during fatal and self-limiting malarial infections of mice. *Cellular Immunol.* 41(2):373–379.
- Gwadz, R. W. and Green, I. 1978. Malaria immunization in rhesus monkeys. A vaccine effective against both the sexual and asexual stages of *Plasmodium knowlesi*. *J. Expt. Med.* 148(5):1311–1323.
- Jacobson, R. L., Zuckerman, A. and Greenblatt, C. L. 1978. *Plasmodium berghei* adoptive transfer and immunosuppression of immunity in allogenic neonates. *Clin. and Expt. Immunol.* 33(1):25–29.
- Lepes, T. 1978. Immunization against malaria and its possible impact on malaria control. *Bol. Ofic. Sanit. Panamer.* 85(6):530–540. In Sp., Engl. Sum.
- McDonald, V. and Phillips, R. S. 1978. Increase in non-specific antibody mediated cytotoxicity in malarious mice. *Clin. and Expt. Immunol.* 34(2):159–163.
- Mitchell, G. H. 1979. A phenomenon of non-specific parasite damage in monkeys vaccinated against malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):103.
- Murphy, J. R. and Lefford, M. J. 1978. Host defenses in murine malaria: induction of a protracted state of immunity with a formalin-killed *Plasmodium berghei* blood parasite vaccine. *Infect. and Immunity* 22(3):798–803.
- Murphy, J. R. and Lefford, M. J. 1979. Host defenses in murine malaria: successful vaccination of mice against *Plasmodium berghei* by using formalized blood parasites. *Amer. J. Trop. Med. and Hyg.* 28(1):4–11.
- Nkrumah, F. K., Sulzer, A. J. and Maddison, S. E. 1979. Serum immunoglobulin levels and malaria antibodies in Burkitt's lymphoma. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):91–95.
- Quakyi, I. 1979. ELISA and antibodies in malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):105.
- Reese, R. T. and Coauthors. 1978. Immunization against malaria with antigen from *Plasmodium falciparum* cultivated *in vitro*. *Natl. Acad. Sci. USA Proc.* 75(11):5665–5668.
- Roberts, D. W. and Weidanz, W. P. 1979. T-cell immunity to malaria in the B-cell deficient mouse. *Amer. J. Trop. Med. and Hyg.* 28(1):1–3.
- Smrkowski, L. L. and Strickland, G. T. 1978. Rodent malaria: BCG-induced protection and immunosuppression. *J. Immunol.* 121(4):1257–1261.
- Woodruff, A. W., Ansdell, V. E. and Pettit, L. E. 1979. Anaemia after eradication of parasitaemia in malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):102–103.
- Malaria—Narcotics*
- Baker, J. E. and Crawford, G. P. M. 1978. Malaria: a new facet of heroin addiction in Australia. *Med. J. Australia* 2(9):427–428.
- Malaria—Parasites*
- Ayala, S. C. 1977. Plasmodia of reptiles. *In Parasitic Protozoa Vol. 3* (edited by Kreier, J. P.). pp. 267–309.
- Carter, R. and Diggs, C. L. 1977. Plasmodia of rodents. *In Parasitic Protozoa Vol. 3* (edited by Kreier, J. P.). pp. 359–465.
- Collins, W. E. and Aikawa, M. 1977. Plasmodia of nonhuman primates. *In Parasitic Protozoa Vol. 3* (edited by Kreier, J. P.). pp. 467–492.
- Collins, W. E., Contacos, P. G. and Chin, W. 1978. Infection of the squirrel monkey, *Saimiri sciureus*, with *Plasmodium knowlesi*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):662–663.
- Danforth, H. D., Orjih, A. U. and Nussenzweig, R. S. 1978. Immunofluorescent staining of exoerythrocytic schizonts of *Plasmodium berghei* in fixed liver tissue with stage-specific immune serum. *J. Parasitol.* 64(6):1123–1125.
- Darsie, R. F., Jr., Cagampang-Ramos, A. and Kalaw, F. 1978. The experimental infection of *Anopheles litoralis* King from Luzon Island, Philippines, by *Plasmodium vivax*. *Southeast Asian J. Trop. Med. and Pub. Health* 9(3):445.
- Deans, J. A., Dennis, E. D. and Cohen, S. 1978. Antigenic analysis of sequential erythrocytic stages of *Plasmodium knowlesi*. *Parasitology* 77(3):333–344.
- Foley, D. A., Kennard, J. and Vanderberg, J. P.

1978. *Plasmodium berghei*: infective exoerythrocytic schizonts in primary monolayer cultures of rat liver cells. *Expt. Parasitol.* 46(2):166-178.
- Foley, D. A., Kennard, J. and Vanderberg, J. P. 1978. *Plasmodium berghei*: preparation of rat hepatic cell suspensions that include infective exoerythrocytic schizonts. *Expt. Parasitol.* 46(2):179-188.
- Gorenflot, A., Gorenflot, M., Piette, C. and Piette, M. 1978. *In vivo* formation of myelin-like forms in mouse erythrocytes infested by *Plasmodium berghei*. *Ann. Pharmaceut. Fr.* 36(7-8):301-308. In Fr., Engl. Sum.
- Howard, R. J., Smith, P. M. and Mitchell, G. F. 1978. Removal of leucocytes from red cells in *Plasmodium berghei*-infected mouse blood and purification of schizont-infected cells. *Ann. Trop. Med. and Parasitol.* 72(6):573-575.
- Jiang, J. B. 1978. *Plasmodium*: experimental animals for human malaria and research needs. A review. *Expt. Parasitol.* 46(2):339-352.
- Kusel, J. R. and Phillips, R. S. 1978. The interaction of malaria parasites and *Schistosoma mansoni* in mice. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):642-643.
- Landau, I. and Chabaud, A. G. 1978. Description de *Plasmodium cyclopsi* n. sp. parasite du Microchiroptère *Hipposideros cyclops* à Makokou (Gabon). *Ann. de Parasitol. Humaine et Compar.* 53(3):247-253. Engl. Sum.
- Langhorne, J. and Cohen, S. 1979. *Plasmodium knowlesi* in the marmoset (*Callithrix jacchus*). *Parasitology* 78(1):67-76.
- Langreth, S. G., Phuc Nguyen-Dinh, and Trager, W. 1978. *Plasmodium falciparum*: merozoite invasion *in vitro* in the presence of chloroquine. *Expt. Parasitol.* 46(2):235-238.
- Mack, S. R. and Vanderberg, J. P. 1978. *Plasmodium berghei*: energy metabolism of sporozoites. *Expt. Parasitol.* 46(2):317-322.
- McQuiston, T. E. 1979. Effect of temperature and clofibrate on *Plasmodium berghei* infection in mice. *Amer. J. Trop. Med. and Hyg.* 28(1):12-14.
- Miller, F. W. and Ilan, J. 1978. The ribosomes of *Plasmodium berghei*: isolation and ribosomal ribonucleic acid analysis. *Parasitology* 77(3):345-365.
- Miller, L. H., Aikawa, M., Johnson, J. G. and Shiroishi, T. 1979. Interaction between cytochalasin B-treated malarial parasites and erythrocytes. Attachment and junction formation. *J. Expt. Med.* 149(1):172-174.
- Mrema, J. E. and Coauthors. 1979. Concentration and separation of erythrocytes infected with *Plasmodium falciparum* by gradient centrifugation. *WHO Bul.* 57(1):133-138.
- Panton, L. J. and Phillips, R. S. 1978. The effects of BCG organisms on the course of *Plasmodium chabaudi*, *P. berghei* and *Trypanosoma brucei* infections in mice. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):643.
- Phillips, R. S. and Wilson, R. J. M. 1978. Cryopreservation of *Plasmodium falciparum* in liquid nitrogen. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):643-644.
- Phillips, R. S., Wilson, R. J. M. and Pasvol, G. 1978. Differentiation of gametocytes in microcultures of human blood infected with *Plasmodium falciparum*. *J. Protozool.* 25(3):394-398.
- Rieckmann, K. H. and Silverman, P. H. 1977. *Plasmodia* of man. In *Parasitic Protozoa Vol. 3* (edited by Kreier, J. P.). pp. 493-527.
- Sanderson, A. 1978. Electrophoretic variation in peptidase E in *Plasmodium falciparum*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):644.
- Seed, T. M. and Manwell, R. D. 1977. *Plasmodia* of birds. In *Parasitic Protozoa Vol. 3* (edited by Kreier, J. P.). pp. 311-357.
- Shirazi, M. F. and Terry, R. J. 1979. BCG and protozoan parasites. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(1):99. [*Plasmodium* included.]
- Sichinava, Sh., G. and Shengelia, G. Yu. 1977. The influence of basin pollution on the effectiveness of *Gambusia affinis holbrooki* against preimaginal phases of *Culex pipiens* L. and *Culiseta annulata* Schr. *Acad. Sci. Georgian SSR, Bul., Tbilisi* 88(3):673-676. In Rus., Engl. Sum.
- Stabler, R. M. 1978 *Plasmodium (Giovannolaia) pedioeceti* from the lesser prairie chicken, *Tympanuchus pallidicinctus*. *J. Parasitol.* 64(6):1125-1126.
- Suzuki, M. and Coauthors. 1979. Separation of *Plasmodium berghei*-parasitized rat erythrocytes by means of carrier-free electrophoresis. *WHO Bul.* 57(1):129-132.
- Telford, S. R., Jr. 1978. A hemoparasite survey of Florida lizards. *J. Parasitol.* 64(6):1126-1127. [*Plasmodium* included.]
- van der Kaay, H. J., Noordink, J. Ph. W. and Boorsma, L. 1977 Labelling of *Plasmodium berghei* during sporogony. *Acta Leidensia* 45:7-12.
- Wedderburn, N., Turk, J. L., Davies, D. R. and Hutt, M. S. R. 1978. Chronic malarial infec-

tion of mice: a comparison of single and multiple infections with *Plasmodium berghei* following *P. yoelii*. Roy. Soc. Trop. Med. and Hyg. Trans. 72(6):610-614.

Malaria-Therapeutics and Antimalarials

- Acharya, S. B. and Sanyal, A. K. 1978. Ganglion and cholinergic blocking activities of some synthetic quaternised quinoline derivatives. Indian J. Med. Res. 68(Nov.):855-863.
- Al Tawil, N. 1978. Clearance of falciparum parasitaemia with a single dose sulfadoxine-pyrimethamine in Vientiane, Laos. Southeast Asian J. Trop. Med. and Pub. Health 9(3):409-413.
- Black, R. H. 1978. Malaria prophylaxis for visitors to Papua New Guinea. Med. J. Australia 2(8):384.
- Dixit, V. P. and Jain, H. C. 1978. Effects of chronically administered quinacrine hydrochloride on the histology and biochemistry of intact, ovariectomized and estrogen treated female genital tract of gerbil *Meriones hurrianae* Jerdon. Indian J. Expt. Biol. 16(9):984-986.
- Doberstyn, E. B. and Coauthors. 1979. Treatment of vivax malaria with sulfadoxine-pyrimethamine and with pyrimethamine alone. Roy. Soc. Trop. Med. and Hyg. Trans. 73(1):15-17.
- Dwivedi, S. R., Sahu, H., Yadava, R. L. and Pattanayak, S. 1978. Sensitivity of *P. falciparum* to chloroquine in Mathura district Uttar Pradesh. J. Commun. Dis. 10(1):27-30.
- Evans, D. A. P., Fletcher, K. A. and Baty, J. D. 1979. The urinary excretion of chloroquine in different ethnic groups. Ann. Trop. Med. and Parasitol. 73(1):11-17.
- Fitch, C. D., Ng, R. C. K. and Chevli, R. 1978. Erythrocyte surface: novel determinant of drug susceptibility in rodent malaria. Antimicrob. Agents and Chemother. 14(2):185-193.
- Huddart, H. and Saad, K. H. M. 1978. The effect of sodium and magnesium and their interaction with quinine and lanthanum on spontaneous activity and related calcium movements of rat ileal smooth muscle. J. Compar. Physiol. 126B(3):233-240.
- Lwin, M., Targett, G. A. T. and Doenhoff, M. J. 1979. Chemotherapy of malaria (*Plasmodium chabaudi*) infections in immunosuppressed mice. Roy. Soc. Trop. Med. and Hyg. Trans. 73(1):103-104.
- Padua, R. A. 1978. An *in vitro* test for chloroquine-sensitivity in *Plasmodium chabaudi*. Roy. Soc. Trop. Med. and Hyg. Trans. 72(6):643.
- Raafit, H. R. 1977. Cholinesterase (aging and effects of drugs). Bul. Endemic Dis. (Baghdad) 18(1-4):45-49. [Antimalarials included.]
- Rosenthal, A. R. and Coauthors. 1978. Chloroquine retinopathy in the rhesus monkey. Investig. Ophthalmol. and Visual Sci. 17(12):1158-1175.
- Roy, R. G. 1978. Presumptive treatment of *P. vivax* and *P. falciparum* cases with 600 mg. chloroquine base in Tamil Nadu. Indian J. Med. Res. 68(Nov.):741-743.
- Schmidt, L. H. and Crosby, R. 1978. Antimalarial activities of WR-194,965, an α -amino-*o*-cresol derivative. Antimicrob. Agents and Chemother. 14(5):672-679.
- Schmidt, L. H., Crosby, R., Rasco, J. and Vaughan, D. 1978. Antimalarial activities of the 4-quinolinemethanols WR-184,806 and WR-226,253. Antimicrob. Agents and Chemother. 14(5):680-689.
- Shamblee, D. A. and Gillespie, J. S., Jr. 1979. Antimalarials. 4. Trichloronaphthalene amino alcohols. J. Medicinal Chem. 22(1):86-89.
- Stella, V. and Coauthors. 1978. Enhancement of bioavailability of a hydrophobic amine antimalarial by formulation with oleic acid in a soft gelatin capsule. J. Pharmaceut. Sci. 67(10):1375-1377.
- Trenholme, G. M. and Carson, P. E. 1978. Therapy and prophylaxis of malaria. Amer. Med. Assoc. J. 240(21):2293-2295.

Malaria-Antimalarials-Resistance

- Gupta, V. K. and Coauthors. 1978. The chloroquine resistant chronic vivax malaria presenting as malarial cachexia and secondary hypersplenism: (a case report). Indian Pediatrics 15(2):171-173.
- Hennessy, W. B., Kellner, S. and Curtin, B. A. 1978. Chloroquine-resistant falciparum malaria. Med. J. Australia 2(9):434-435.
- Padua, R. A. and Walliker, D. 1978. Mefloquine-resistance in *Plasmodium chabaudi*. Roy. Soc. Trop. Med. and Hyg. Trans. 72(6):643.
- Ray, A. P., Parkinson, A. D. and Black, R. H. 1979. Experimental studies on the effect of proguanil and dapsone against chloroquine-resistant *Plasmodium berghei*

(ANKA) in white mice. *Ann. Trop. Med. and Parasitol.* 73(1):19-22.

Malaria-Transfusion

Garfield, M. D., Ershler, W. B. and Maki, D. G. 1978. Malaria transmission by platelet concentrate transfusion. *Amer. Med. Assoc. J.* 240(21):2285-2286.

Malaria-Vectors

Rahman, M., Elias, M. D. and Ameen, M. U. 1977. Bionomics of *Anopheles balabacensis balabacensis* Baisas (Diptera: Culicidae) in Bangladesh and its relation to malaria. *Bangladesh J. Zool.* 5(1):1-23.

Skierska, B. 1978. Pest occurrence of malaria vectors in the Polish coastal area. *Inst. Maritime and Trop. Med. Gdynia Bul.* 29(3-4):245-246. In Engl.

van der Kaay, H. J. and Boorsma, L. 1977. A susceptible and refractive strain of *Anopheles atroparvus* Van Thiel to infection with *Plasmodium berghei berghei*. *Acta Leidensia* 45:15-19.

ALLERGIC REACTIONS

Trinca, J. C. 1978. Arthropod allergy. *Med. J. Australia Spec. Suppl.* 2:17-18. [Mosquitoes included.]

LIGHT AND OTHER TRAP STUDIES

Mortenson, E. W., Rotramel, G. L. and Prine, J. E. 1978. The use of ovitraps to evaluate *Aedes sierrensis* (Ludlow) populations. *Calif. Vector Views* 25(9/10):29-32.

Vasyurin, V. D. 1978. A portable light insect trap. *Ent. Obozr.* 57(4):923-925. In Rus., Engl. Sum.

LITERATURE REFERENCES AND REVIEWS

Fish, D. and Beaver, R. A. 1978. A bibliography of the aquatic fauna inhabiting bromeliads (Bromeliaceae) and pitcher plants (Nepentaceae and Sarraceniaceae). *Fla. Anti-Mosquito Assoc. Proc.* 49:11-19.

Sollers-Riedel, H. 1979. Literature references to mosquitoes and mosquito-borne diseases.

1979—Part I. *Mosquito News* 39(1):201-219.

Sotiroff-Junker, J. 1978. A bibliography on the behavioural, social and economic aspects of malaria and its control. WHO Offset Pub. No. 42:94 pp.

BIOGRAPHY AND HISTORY

Annals of Tropical Medicine and Parasitology. 1979. Colonel Sir Samuel Rickard Christophers. C.I.E. O.B.E., M.B., Ch.B., F.R.S., I.M.S. (ret.). 27 November 1873—19 February 1978. *Ann. Trop. Med. and Parasitol.* 73(1):frontispiece.

Chanlett, E. T. and Coauthors. 1978. Robert Briggs Watson (1903-1978). *Trop. Med. and Hyg. News* 27(6):22-24.

Derbeneva-Ukhova, V. P. 1978. The main stages of research and organizational work of P.G. Sergiev (on the occasion of the 85th birthday anniversary). *Med. Parazit. i Parazit. Bolezni* 47(6):3-10. In Rus.

Doherty, R. L. 1978. The Bancroft tradition in infectious disease research in Queensland: part one; part two. *Med. J. Australia* 2(12):560-563; 2(13):591-594.

Fairchild, G. B. and Johnson, P. T. 1978. Marshall Hertig (1893-1978). *Trop. Med. and Hyg. News* 27(6):25-27.

Gibson, M. E. 1978. Sir Ronald Ross and his contemporaries. *Roy. Soc. Med. J.* 71(8):611-618.

Hutchinson, J. T. 1978. Sir Ronald Ross. *Roy. Soc. Med. J.* 71(11):853-854.

Kovacic, C. F. 1978. Health conditions and town growth in colonial and antebellum South Carolina. *Social Sci. and Med.* 12(2D):131-136. [Malaria.]

Ruiz, A. E. 1978. Yellow fever in the Big Ditch. *South. Med. J.* 71(10):1313.

Service, M. W. 1979. Sir Rickard Christophers: a tribute. *Mosquito Systematics* 11(1):55-58. [Reprinted from the *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):678-680, 1978.]

Service, M. W. 1978. Sir Rickard Christophers: a tribute. *Roy. Soc. Trop. Med. and Hyg. Trans.* 72(6):678-680.

Sutherland, D. J. 1979. Daniel M. Jobbins 1910-1979. *Mosquito News* 39(1):154-155.

SUBJECTS NOT COVERED BY OTHER HEADINGS

Diaz, V. R. 1977. The mosquito, *Culex* sp. as a teaching model. *Actualidades Biologicas* 6(19):15-19.

Service, M. W. 1978. Centenary of Medical Entomology. Roy. Soc. Trop. Med. and Hyg. Trans. 72(6):673.

BOOKLETS AND REPORTS

City of New Orleans. Orleans Parish Mosquito Control. 1978. Annual report 14. 13 pp. and figures.

Desplaines Valley Mosquito Abatement District, Lyons, Illinois. 1978. Fifty-first annual report. 10 pp.

BOOKS

Morishita, K. 1976. Epidemiology and preven-

tion of malaria—records and studies in Taiwan during Japanese occupation. 287 pp., Tokyo. Kikuya Shobo. In Jap.

Proceedings of the Heartworm Symposium '77 1978. 189 pp., Atlanta, Georgia. American Heartworm Society.

Singh, P. 1977. Artificial diets for insects, mites and spiders. 594 pp., New York and London. [Mosquitoes included.]

Sollers-Riedel, H. 1977. Mosquitoes and disease studies around the world in 1976. N. J. Mosquito Cont. Assoc. Proc. 64(Suppl.), 49 pp. Published 1979.

Sprague, V. and Vávra, J. (Editors). 1977. Systematics of the Microsporidia. Comparative pathobiology (edited by Bulla, L. A.) vol. 2, 510 pp. New York and London. Plenum Press.

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