

LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1983—Part I

HELEN SOLLERS-RIEDEL¹

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

ADULTICIDES, LARVICIDES AND GROWTH REGULATORS

- Beck, W. R. 1982. Current status of the biological larvicide, Teknar®. Proc. N.J. Mosquito Cont. Assoc. 69:83–90.
- Foo, A. E. S. and Yap, H. H. 1982. Comparative bioassays of *Bacillus thuringiensis* H-14 formulations against four species of mosquitoes in Malaysia. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):206–210.
- Haile, D. G., Mount, G. A. and Pierce, N. W. 1982. Effect of droplet size of malathion aerosols on kill of caged adult mosquitoes. Mosquito News 42(4):576–583.
- Hervy, J. P., Legros, F. and Sales, S. 1982. Stage IV evaluation of the effectiveness of two insecticides (OMS-2002 and OMS-2004) on adult *Anopheles* by intradomiciliary spraying at Soumousso Experimental Station (Upper Volta) using OMS-1 as the reference product in full or selective treatment. WHO/VBC/82.861, 16 pp.
- Hervy, J. P. and Sales, S. 1982. Stage IV evaluation of the effectiveness of two insecticides (OMS-2002 and OMS-2004) on adult *Anopheles* by intradomiciliary spraying at Soumousso Experimental Station (Upper Volta) using OMS-1 as the reference product in full or selective treatment WHO/VBC/82.862, 13 pp.
- Kelada, N. L., Gaaboub, I. A. and Rawash, I. A. 1981. The effect on reproduction and morphometrics of females of *Culex pipiens* L. of treatment of larvae with six insect growth regulators. J. Agr. Sci. (Cambridge) 96(3):611–618.
- Lacey, L. A. and Singer, S. 1982. Larvicidal activity of new isolates of *Bacillus sphaericus* and *Bacillus thuringiensis* (H-14) against anopheline and culicine mosquitoes. Mosquito News 42(4):537–543.
- Leiser, L. B., Beier, J. C. and Craig, G. B., Jr. 1982. The efficacy of malathion ULV spraying for urban *Culex* control in South Bend, Indiana. Mosquito News 42(4):617.
- Mihara, K., Ohkawa, H. and Miyamoto, J. 1981. Metabolism of terallethrin in rats. J. Pesticide Sci. 6(2):211–222. Jap. Sum.
- Mulla, M. S., Darwazeh, H. A. and Ede, L. 1982. Evaluation of new pyrethroids against immature mosquitoes and their effects on nontarget organisms. Mosquito News 42(4):583–590.
- Saleh, M. S., Gaaboub, I. A. and Kassem, M. I. 1981. Larvicidal effectiveness of three controlled-release formulations of Dursban and Dimilin on *Culex pi-*
pions L. and *Aedes aegypti* (L.). J. Agr. Sci. (Cambridge) 97(1):87–96.
- Shisler, J. K. and Wiley, D. 1982. Stormwater development in New Jersey. Proc. N.J. Mosquito Cont. Assoc. 69:22–29.
- Smith, C. M. and Gooley, B. R., Sr. 1982. The future of *Bacillus thuringiensis* var. *israelensis* in Burlington County, New Jersey. Proc. N.J. Mosquito Cont. Assoc. 69:91–92.
- Sutherland, D. J. and Coauthors. 1982. Formulations of B.T.I. and their evaluation. Proc. N.J. Mosquito Cont. Assoc. 69:93–101.
- Sutherland, D. J., Khoo, B. K. and Fahy, A. 1982. Evaluation of aerially applied resmethrin and its synergism with piperonyl butoxide with a report of the N.J. Airspray Program—1981. Proc. N.J. Mosquito Cont. Assoc. 69:73–82.
- Upatham, E. S. and Sa-Nguankul, P. 1982. Controlled release Ecopro® 1707 as mosquito larvicide and molluscicide. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):231–237.
- Vittal, M. and Bhate, M. R. 1981. Bioassay tests on the effectiveness of malathion spraying on *Anopheles culicifacies* resting on different wall surfaces in Aurangabad Town, Maharashtra. Indian J. Malariol. 18(2):124–125.
- Vittal, M. and Deshpande, L. B. 1981. Experiments to test paris green emulsion to control mosquito breeding. Indian J. Malariol. 18(2):117–118.
- Wirat, S. and Coauthors. 1982. Tests of insecticides applied by ULV ground and thermal fogging equipment for the control of *Aedes aegypti* in Thailand. WHO/VBC/82.869, 17 pp.
- For additional references on *Bacillus thuringiensis* serotype H-14 see following section.

PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

- Cech, J. J., Jr., Massingill, M. J. and Wurtsbaugh, W. A. 1980. The relationship of food conversion efficiency and growth potential in juvenile mosquito-fish, *Gambusia affinis*. Cal-Neva Wildl. Trans. pp. 1–5.
- Chilingarian, K. H., Meliksetian, V. Sh. and Afrikian, E. G. 1981. On the mosquitocide activity of aerobic sporeforming bacteria. Biol. Z. Armenii Erevan 34(11):1142–1147. In Rus., Engl. Sum. [*Bacillus* spp.]
- Cupello, J. M., Petersen, J. J. and Chauthani, A. R. 1982. An improved method for long-distance shipping the mosquito parasite *Romanomorpha culicivora*. J. Nematology 14(1):121–125.
- Daoust, R. A. and Roberts, D. W. 1982. Virulence of natural and insect-passaged strains of *Metarhizium anisopliae* to mosquito larvae. J. Invert. Path. 40(1):107–117.

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- Daoust, R. A., Ward, M. G. and Roberts, D. W. 1982. Effect of formulation on the virulence of *Metarhizium anisopliae* conidia against mosquito larvae. *J. Invert. Path.* 40(2):228-236.
- Gooch, J. A. and Hamdy, M. K. 1982. Depuration and biological half-life of ¹⁴C-PCB in aquatic organisms. *Bul. Environmtl. Contam. and Toxicol.* 28(3):305-312. [Aedes aegypti included.]
- Jacob, S. S., Nair, N. B. and Balasubramanian, N. K. 1982. Toxicity of certain mosquito larvicides to the larvivorous fishes *Apocheilus lineatus* (Cuv. and Val.) and *Macropodus cupanus* (Cuv. and Val.). *Environmtl. Pollut. Ser. A* 28(1):7-13.
- Lacey, L. A. and Dame, D. A. 1982. The effect of *Bacillus thuringiensis* var. *israelensis* on *Toxorhynchites rutilus rutilus* (Diptera: Culicidae) in the presence and absence of prey. *J. Med. Ent.* 19(5):593-596.
- Menon, K. K. R., Rao, A. S. and Amonkar, S. V. 1982. Isolation, identification and toxicity of a spore-bearing *Bacillus* (ISPC-5) from diseased mosquito larvae. *Indian J. Expt. Biol.* 20(4):312-315.
- Merriam, T. L. and Axtell, R. C. 1982. Evaluation of the entomogenous fungi *Culicinomyces clavosporus* and *Lagenidium giganteum* for control of the salt marsh mosquito, *Aedes taeniorhynchus*. *Mosquito News* 42(4):594-602.
- Mollov, D. and Wright, S. P. 1982. Rediscovery of *Erynia aquatica* (Entomophthoraceae) in snowpool mosquitoes. *J. Invert. Path.* 40(1):142-145.
- Novák, D. and Vodrážka, F. 1982. Zur Verbreitung der Mykose durch *Entomophaga destruens* bei *Culex pipiens*. *Angew. Parasitol.* 23(1):45-47.
- Popelkova, Y. 1982. *Coelomomyces* from *Aedes cinereus* and a mosquito iridescent virus of *Aedes cantans* in Sweden. *J. Invert. Path.* 40(1):148-149.
- Ramoska, W. A. 1982. An examination of the long term epizootic potential of various artificially introduced mosquito larval pathogens. *Mosquito News* 42(4):603-607.
- Ritchie, S. A. 1982. The green tree frog (*Hyla cinerea*) as a predator of mosquitoes in Florida. *Mosquito News* 42(4):619.
- Rivière, F. and Thirel, R. 1981. La prédation du copépode *Mesocyclops leuckarti pilosa* (Crustacea) sur les larves de *Aedes* (*Stegomyia*) *aegypti* et de *Ae. (St.) polynesiensis* (Dip.: Culicidae). Essais préliminaires d'utilisation comme agent de lutte biologique. *Entomophaga* 26(4):427-439. Engl. Sum.
- Ruber, E. and LaFrance, K. 1982. The effects of temephos (Abate) on the respiratory rate of a salt marsh amphipod. *Proc. N.J. Mosquito Cont. Assoc.* 69:102-105.
- Smith, R. A. 1982. Effect of strain and medium variation on mosquito toxin production by *Bacillus thuringiensis* var. *israelensis*. *Canad. J. Microbiol.* 28(9):1089-1092.
- Tyrell, D. J., Bulla, L. A., Jr. and Davidson, L. I. 1981. Characterization of spore coat proteins of *Bacillus thuringiensis* and *Bacillus cereus*. *Compar. Biochem. and Physiol. B* 70(3):535-539.
- Vanková, J. 1982. Field stability and efficacy of a preparation of *Bacillus thuringiensis* var. *israelensis* against mosquito larvae. *Anz. f. Schadlingskunde* 55(2):17-19.
- World Health Organization. 1982. Data sheet on the biological control agent *Culicinomyces clavosporus*. WHO/VBC/80.755 Rev. 1, VBC/BCDS/80.03 Rev. 1. 7 pp. [Revised edition, 1982.]
- Yong, H. S. and Coauthors. 1982. Isocitrate dehydrogenase phenotypes in three species of *Toxorhynchites* mosquitoes. *Southeast Asian J. Trop. Med. and Pub. Hlth.* 13(2):291-292.
- Yousten, A. A., Jones, M. E. and Benoit, R. E. 1982. Development of selective/differential bacteriological media for the enumeration of *Bacillus thuringiensis* serovar. *israelensis* (H14) and *Bacillus sphericus* 1593. WHO/VBC/82.844, 7 pp.
- Zimmermann, G. 1982. Effect of high temperatures and artificial sunlight on the viability of conidia of *Metarhizium anisopliae*. *J. Invert. Path.* 40(1):36-40.

WATER MANAGEMENT

- Batory, J. 1982. The impact of the pinelands water quality program on mosquito control. *Proc. N.J. Mosquito Cont. Assoc.* 69:7-8.
- Brady, S. A. and Shisler, J. K. 1982. Effects of stream alteration on the avifauna of a shrub-swamp: preliminary assessment. *Proc. N.J. Mosquito Cont. Assoc.* 69:107-114.
- Bruder, K. W. 1982. State Mosquito Control Commission activities in 1981. *Proc. N.J. Mosquito Cont. Assoc.* 69:9-11.
- Clark, R. W. 1982. Coordinating drainage activities on the regional level: the role of a county drainage and waterways agency. *Proc. N.J. Mosquito Cont. Assoc.* 69:54-56.
- Donnelly, E. 1982. Priorities and perspectives of stormwater management at the county level. *Proc. N.J. Mosquito Cont. Assoc.* 69:63-64.
- Hibbard, P. C. 1982. Stormwater management and the building industry. *Proc. N.J. Mosquito Cont. Assoc.* 69:52-53.
- Kropp, R. H. 1982. Comprehensive stormwater management in New Jersey. *Proc. N.J. Mosquito Cont. Assoc.* 69:42-48.
- Long, J. P. 1982. The Monmouth County Drainage and Waterways Agency: a public resource. *Proc. N.J. Mosquito Cont. Assoc.* 69:12-15.
- Montana, C. 1982. The service's role in storm water management. *Proc. N.J. Mosquito Cont. Assoc.* 69:49-51.
- Skupien, J. J. 1982. Storm water management: priorities and perspectives. *Proc. N.J. Mosquito Cont. Assoc.* 69:65-72.
- Vieser, E. S. 1982. Storm water management: priorities and perspectives. *Proc. N.J. Mosquito Cont. Assoc.* 69:57-62.

MOSQUITO CONTROL AGENCY PROBLEMS

- Schulze, T. L., Bowen, G. S., Lakat, M. F. and Parkin, W. E. 1982. Lyme disease: a possible occupational disease of mosquito control personnel. *Proc. N.J. Mosquito Cont. Assoc.* 69:34-38.

EQUIPMENT

- Muench, M. F. 1982. The Bell Jetranger in Burling-

ton County's control program. Proc. N.J. Mosquito Cont. Assoc. 69:16-21.

ATTRACTANTS AND REPELLENTS

- Kalyanasundaram, M. 1982. A preliminary report on the synthesis and testing of mosquito repellents. Indian J. Med. Res. 76(July):190-194.
- Reifenrath, W. G. and Robinson, P. B. 1982. In vitro skin evaporation and penetration characteristics of mosquito repellents. J. Pharmaceut. Sci. 71(9):1014-1018.
- Rutledge, L. C., Wirtz, R. A. and Buescher, M. D. 1982. Repellent activity of a proprietary bath oil (Skin-So-Soft®). Mosquito News 42(4):557-559.

RESISTANCE AND SUSCEPTIBILITY

- Chakraborty, B. C., Das, N. G. and Malhotra, P. R. 1981. Susceptibility of *Aedes (S.) albopictus* larvae to synthetic insecticides. J. Commun. Dis. 13(4):286-287.
- Hemingway, J. 1982. Genetics of organophosphate and carbamate resistance in *Anopheles parvus* (Diptera: Culicidae). J. Econ. Ent. 75(6):1055-1058.
- Moustafa, F. I., El-Sebae, A. H. and Mohamed, M. A. 1977. Studies on the resistance of the mosquito larvae *Culex pipiens* to insecticides in Alexandria (Egypt) and its implication of esterases activity. Bul. High Institute of Pub. Hlth. Alexandria 7(1):145-153.

PESTICIDES AND CHEMICALS

- Leake, C. R. 1982. Effects of skin contamination on blood sampling methods for cholinesterase activity. WHO/VBC/82.865, 7 pp.
- Ree, H. I., Shim, J. C., Yin, Y. H. and Cho, H. W. 1982. Epidemiological study on occupational exposure to pesticides in Korea. WHO/VBC/82.866, 5 pp.
- Wing, K. D., Glickman, A. H. and Casida, J. E. 1983. Oxidative bioactivation of S-alkyl phosphorothioate pesticides: stereospecificity of profenofos insecticide activation. Science 219(4580):63-65.

BEHAVIOR, BIOLOGY AND ECOLOGY

- Bentley, M. D., McDaniel, I. N. and Davis, E. E. 1982. Studies of 4-methylcyclohexanol: an *Aedes triseriatus* (Diptera: Culicidae) oviposition attractant. J. Med. Ent. 19(5):589-592.
- Carpenter, S. R. 1982. Stemflow chemistry: effects on population dynamics of detritivorous mosquitoes in tree-hole ecosystems. Oecologia 53(1):1-6.
- Cheong, W. H., Mahadevan, S. and Loong, K. P. 1982. The collection of large numbers of *Aedes (F.) poicilius* from a site in Selangor: study on its biology. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):287-288.
- Dadd, R. H., Kleinjan, J. E. and Merrill, L. D. 1982. Phagostimulant effects of simple nutrients on larval

- Culex pipiens* (Diptera: Culicidae). Ann. Ent. Soc. Amer. 75(6):605-612.
- Forattini, O. P. and Coauthors. 1981. Observações sobre atividade de mosquitos Culicidae, em mata residual no Vale do Ribeira, S. Paulo, Brasil. Revista de Saúde Pública (S. Paulo) 15(6):557-586. Engl. Sum.
- Frank, J. H. and Curtis, G. A. 1981. Bionomics of the bromeliad-inhabiting mosquito *Wyeomyia vanduzeei* and its nursery plant *Tillandsia utriculata*. Fla. Ent. 64(4):491-506.
- Gabaldon, A., Ulloa, G. and Pulido, J. 1981. Distribución geográfica, ecología y etología de *Aedeomyia squamipennis*, importante vector natural de malaria aviar en Venezuela. Bol. de la Dirección de Malaria y San. Amb. 21(2):103-113. Engl. Sum.
- Gallaway, W. J. and Brust, R. A. 1982. Blood-feeding and gonotrophic dissociation in overwintering *Anopheles earlei* (Diptera: Culicidae) from southern Manitoba. Canad. Ent. 114(12):1105-1107.
- Gass, R. F. and Coauthors. 1982. Observations on the feeding habits of four species of *Mansonia (Mansonioides)* mosquitoes in southern Thailand. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):211-215.
- Hata, K. and Kurihara, T. 1982. Mosquito larvae found in catch-basins in an urban area. Jap. J. Sanit. Zool. 33(3):247-248. In Jap., Engl. Sum.
- Ikemoto, T. 1982. Studies on the bionomics of *Anopheles sundanicus* (Rodewaldt, 1925), the principal malaria vector in a coastal area of North Sumatra, Indonesia. Teikyo Med. J. 5(1):1-15. In Jap., Engl. Sum.
- LaSalle, M. W. and Dakin, M. E. 1982. Dispersal of *Culex salinarius* in southwestern Louisiana. Mosquito News 42(4):543-550.
- Mahmood, F. and Reisen, W. K. 1982. *Anopheles stephensi* (Diptera: Culicidae): changes in male mating competence and reproductive system morphology associated with aging and mating. J. Med. Ent. 19(5):573-588.
- McHugh, C. P. and Olson, J. K. 1982. The effect of temperature on the development, growth and survival of *Psorophora columbiae*. Mosquito News 42(4):608-613.
- Mendes dos Santos, J. M., Contel, E. P. B. and Kerr, W. E. 1981. Biología de anofelinos amazónicos. 2. Fêmeas de *Anopheles darlingi* produzem filhos de um só macho. Acta Amazonica 11(2):413-414.
- Menon, P. K. B. and Sharma, V. P. 1981. Geographic variation in life table attributes of four populations of *Anopheles stephensi* Liston from India. Indian J. Malariaiol. 18(2):91-97.
- Meyer, R. P., Washino, R. K. and McKenzie, T. L. 1982. Studies on the biology of *Culiseta inornata* (Diptera: Culicidae) in three regions of central California, USA. J. Med. Ent. 19(5):558-568.
- Nakamura, H. 1982. Variation in ecological characters among colony strains of *Culex tritaeniorhynchus* from Taiwan and Japan. Jap. J. Sanit. Zool. 33(3):213-220. In Jap., Engl. Sum.
- O'Meara, G. F. and Evans, F. D. S. 1983. Seasonal patterns of abundance among three species of *Culex* mosquitoes in a south Florida wastewater lagoon. Ann. Ent. Soc. Amer. 76(1):130-133.
- Vargo, A. M. and Foster, W. A. 1982. Responsiveness

of female *Aedes aegypti* (Diptera: Culicidae) to flower extracts. *J. Med. Ent.* 19(6):710-718.

Yakubovich, V. Ya. 1982. On biology of the egg phase of *Aedes albopictus* Skuse mosquito development. *Med. Parazit. i Parazit.* Bolezni 50(6):77-78. In Rus., Engl. Sum.

GENETICS AND GENETIC CONTROL

Curtis, C. F. and Coauthors. 1982. A field trial on control of *Culex quinquefasciatus* by release of males of a strain integrating cytoplasmic incompatibility and a translocation. *Ent. Expt. et Applicata* 31(2):181-190.

Dubash, C. J., Sakai, R. K., Baker, R. H. and Saifuddin, U. T. 1982. Genetics of black, a nonlethal, dominant, melanotic mutant in the mosquito, *Anopheles culicifacies*. *Ann. Trop. Med. and Parasitol.* 76(5):569-574.

Graves, P. M. and Curtis, C. F. 1982. Susceptibility of *Anopheles gambiae* to *Plasmodium yoelii nigeriensis* and *Plasmodium falciparum*. *Ann. Trop. Med. and Parasitol.* 76(6):633-639.

Kaiser, P. E. and Coauthors. 1982. Radiation induced reciprocal translocation and inversions in *Anopheles albimanus*. *Canad. J. Genet. and Cytol.* 24(2):177-188.

McDonald, P. T. and Asman, S. M. 1982. A genetic sexing strain based on malathion resistance for *Culex tarsalis*. *Mosquito News* 42(4):531-536.

Mosha, F. W. and Subra, R. 1982. Ecological studies on *Anopheles gambiae* complex sibling species in Kenya. I. Preliminary observations on their geographical distribution and chromosomal polymorphic inversions. WHO/VBC/82.867, 9 pp.

Nelson, F. R. S. and Hooseiniehremani, B. 1982. Effects of benzylphenol and benzyl-1,3-benzodioxole derivatives on fertility and longevity of the yellow fever mosquito (Diptera: Culicidae). *J. Econ. Ent.* 75(5):877-878.

Reisen, W. A. and Coauthors. 1982. Attempted suppression of a semi-isolated *Culex tarsalis* population by the release of irradiated males: a second experiment using males from a recently colonized strain. *Mosquito News* 42(4):565-575.

Seawright, J. A., Benedict, M. Q., Suguna, S. G. and Narang, S. 1982. *Red eye* and *vermillion eye*, recessive mutants on the right arm of chromosome 2 in *Anopheles albimanus*. *Mosquito News* 42(4):590-593.

Sherwood, A. and Stollar, V. 1982. *Aedes albopictus* cells resistant to adenosine because of a defect in nucleoside transport. *Somatic Cell Genetics* 8(5):575-585.

Shrestha, S. L. 1982. A field technique for squash preparation of anopheline chromosomes. *Mosquito News* 42(4):620.

Subbarao, S. K. and Adak, T. 1981. Linkage relationship between three autosomal mutants and functional relationship between two eye colour mutants in *Anopheles stephensi*. *Indian J. Malariol.* 18(2):98-102.

Sulaiman, I. 1982. Bronze-2, a fertile mutant of *Aedes aegypti* (Diptera: Culicidae). *J. Med. Ent.* 19(6):706-709.

Tabachnick, W. J. and Howard, D. J. 1982. Genetic

control of hexokinase variation in insects. *Biochem. Genet.* 20(1-2):47-57. [*Culex pipiens* included.]

Varma, T. K. and Sharma, V. P. 1981. Salivary gland chromosomes of *Anopheles annularis*. *Indian J. Malariol.* 18(2):103-108.

Wallis, G. P. and Tabachnick, W. J. 1982. Linkage of an IDH locus with sex and two lethals in *Aedes aegypti*. *J. Heredity* 73(4):291-294.

Ye, B. and Coauthors. 1981. The salivary gland chromosomes of *Anopheles sinensis*. *Acta Genetica* 8(1):42-49. In Chin., Engl. Sum.

Yong, H. S., Cheong, W. H., Chiang, G. L. and Dhaliwal, S. S. 1982. Glucose phosphate isomerase polymorphism in *Mansonia crassipes* (Diptera: Culicidae). *Southeast Asian J. Trop. Med. and Publ. Hlth.* 13(2):292-293. [Diptera in orig.]

ANATOMY, MORPHOLOGY AND PHYSIOLOGY

Asakura, K. 1982. Ultrastructure and chloride cytochemistry of the hindgut epithelium in the larvae of the seawater mosquito, *Aedes togoi* Theobald. *Archivum Histologicum Japonicum* 45(2):167-180.

Barber, J. T., Elgaard, E. G. and Herskowitz, K. 1982. The attraction of larvae of *Culex pipiens quinquefasciatus* Say to ribonucleic acid and nucleotides. *J. Insect Physiol.* 28(7):585-588.

Belton, P. 1982. The cuticular vestiture of larvae of *Aedes communis* and *A. nevadensis* (Diptera: Culicidae). *Canad. J. Zool.* 60(7):1642-1646.

Borovsky, D. 1982. Release of egg development neurosecretory hormone in *Aedes aegypti* and *Aedes taeniorhynchus* induced by an ovarian factor. *J. Insect Physiol.* 28(4):311-316.

Coluzzi, M., Concetti, A. and Ascoli, F. 1982. Effect of cibarial armature of mosquitoes (Diptera: Culicidae) on blood-meal haemolysis. *J. Insect Physiol.* 28(10):885-888.

Gillet, J. D. 1982. Diuresis in newly emerged, unfed mosquitoes. I. Fluid loss in normal females and males during the first 20 hours of adult life. *Proc. Roy. Soc. London B* 216 (1203):201-207.

Lea, A. O. 1982. Artifactual stimulation of vitellogenesis in *Aedes aegypti* by 20-hydroxyecdysone. *J. Insect Physiol.* 28(2):173-176.

Lea, A. O. and Van Handel, E. 1982. A neurosecretory hormone-releasing factor from ovaries of mosquitoes fed blood. *J. Insect. Physiol.* 28(6):503-508.

McIver, S. B. 1982. Sensilla of mosquitoes (Diptera: Culicidae). *J. Med. Ent.* 19(5):489-535.

Mellink, J. J., Poppe, D. M. C. and Van Duin, G. J. T. 1982. Factors affecting the blood-feeding process of a laboratory strain of *Aedes aegypti* on rodents. *Ent. Expt. et Applicata* 31(3):229-238.

Mori, A. and Coauthors. 1982. On number of ommatidia of females in *Culex pipiens pallens* and *Culex pipiens molestus* under various temperatures. *Trop. Med. (Nagasaki)* 24(3):151-153. In Jap., Engl. Sum.

Ogunrinade, A. 1980. The measurement of blood meal size in *Aedes aegypti* (L.). *Afr. J. Med. and Med. Sci.* 9(1-2):69-71.

Puchkova, L. V. and Smolina, N. A. 1981. Sexual dimorphism in the organisation of chemoreceptors

- and conduction paths in the antennae and palps of mosquitoes (Diptera: Culicidae). Khemoretseptsiya Nasekomykh No. 6:46-51. In Rus., Engl. Sum.
- Redfern, C. P. F. 1982. 20-hydroxy-ecdysone and ovarian development in *Anopheles stephensi*. J. Insect Physiol. 28(2):97-109.
- Rossignol, P. A. and Spielman, A. 1982. Fluid transport across the ducts of the salivary glands of a mosquito. J. Insect Physiol. 28(7):579-583.
- Rossignol, P. A., Spielman, A. and Jacobs, M. S. 1982. Rough endoplasmic reticulum in midgut cells of mosquitoes (Diptera: Culicidae): Aggregation stimulated by juvenile hormone. J. Med. Ent. 19(6):719-721.
- Sheplay, A. W. and Bradley, T. J. 1982. A comparative study of magnesium sulphate tolerance in saline-water mosquito larvae. J. Insect Physiol. 28(7):641-646.
- Smolina, N. A. 1979. Distribution of olfactory sensilla on the antennae of female mosquito *Mansonia richardii* Ficalbi (Diptera: Culicidae). Visnyk Kyyivskogo Universytetu (Ser. Biol.) 21:90-94. In Rus., Engl. Sum.
- CHEMICALS
TECHNIQUES
- Biswas, S., Singh, K., Tyagi, D. and Wattal, B. L. 1981. A new technique for inducing oviposition in laboratory colonized mosquitoes. J. Commun. Dis. 13(4):284-285.
- Fallon, A. M. and Stollar, V. 1982. Isolation and characterization of cycloheximide-resistant mosquito cell clones. Mutation Res. 96(2-3):201-212.
- Harrison, B. A., Callahan, M. C., Watts, D. M. and Panthusiri, L. 1982. An efficient floating larval trap for sampling *Aedes aegypti* populations (Diptera: Culicidae). J. Med. Ent. 19(6):722-727.
- Munderloh, U. G., Kurtti, T. J. and Maramorosch, K. 1982. *Anopheles stephensi* and *Toxorhynchites amboinensis*: aseptic rearing of mosquito larvae on cultured cells. J. Parasitol. 68(6):1085-1091.
- New Jersey Agricultural Experiment Station. Mosquito Research and Control. 1981. New Jersey vector surveillance 6(4):1-6.
- New Jersey Agricultural Experiment Station. 1982. Mosquito surveillance report. 10(1):1-4; 10(2):1-3; 10(4):1-2.
- New Jersey Agricultural Experiment Station. Mosquito Research and Control. 1982. New Jersey vector surveillance 7(1):1-6; 7(4):1-5.

Techniques—Tissue Culture

- Fallon, A. M. and Stollar, V. 1982. Isolation and characterization of puromycin-resistant clones from cultured mosquito cells. Somatic Cell Genetics 8(4):521-532.
- Pant, U. and Dhanda, V. 1980. Establishment of a cell line from *Culex bitaeniorhynchus*. J. Tissue Culture Methods 6(2):61-63.

TAXONOMY AND DISTRIBUTION

- Chen, H. B. 1982. A new species of *Culex* from

- Guizhou, *Culex (Eumelanomyia) miaolingensis* sp. nov. Acta Zootax. Sinica 7(3):312-316. In Chin., Engl. Sum.
- Cheong, W. H. and Mahadevan, S. 1982. *Anopheles (Anopheles) collessi* a new record from mainland Sabah. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):288-289.
- Cova Garcia, P., Pulido F., J. and Escalante de Ugueto, C. 1981. *Uranotaenia pifanoi* (Diptera, Culicidae) nueva especie de Venezuela. Bol. de la Dirección de Malaria y San. Amb. 21(3-4): 210-218. Engl. Sum. [n. sp.]
- Danilov, V. N. and Filipova, V. V. 1982. Mosquitoes (Diptera, Culicidae) of the eastern part of the Baikal-Amur Railway. Med. Parazit. i Parazit. Bolezni 50(5):76-79. In Rus., Engl. Sum.
- Deng, D., Qian, H. L. and Yang, X. S. 1982. Retification of Hainan's *Anopheles b. balabacensis* to *A. dirus* Peyton and Harrison, 1979. Acta Zootax. Sinica 7(3):332-333. In Chin.
- Coronila, A. and Danthanarayana, W. 1982. Occurrence of *Culex annulirostris* Skuse (Diptera, Culicidae) in Melbourne. J. Austral. Ent. Soc. 21(3):182.
- García Avila, I., Gutsevich, A. V. and González Broche, R. 1981. Determinación de las especies de mosquitos (Culicidae) de Cuba, según preparados microscópicos de la cabeza de las hembras (exceptuadas las especies del género *Culex*). Poeyana (Cuba) 231:1-12. Engl. Sum.
- Kaschek, A. H., Mohamed, N. H. and Rashed, S. S. 1982. Culicid species in Sharkia Governorate. J. Egypt. Soc. Parasitol. 12(1):115-124.
- Lee, D. J., Hicks, M. M., Griffiths, M., Russell, R. C. and Marks, E. N. 1982. The Culicidae of the Australasian Region Vol. II. Monograph Series Entomology Monograph No. 2, 286 pp. Published by Commonwealth Inst. Health, Univ. of Sydney.
- Melville, R. V. 1982. International Commission on Zoological Nomenclature. J. Med. Ent. 19(6):733. [*Toxorhynchites brevipalpis* Theo. conserved.]
- Pulido F., J. and Sutil O., E. 1981. *Wyeomyia (Wyeomyia) trujilloi* (Diptera, Culicidae) nueva especie de Venezuela. Bol. de la Dirección de Malaria y San. Amb. 21(3-4):219-226. [n. sp.]
- Scholefield, P. J., Pritchard, G. and Enfield, M. A. 1981. The distribution of mosquito (Diptera, Culicidae) larvae in southern Alberta, 1976-1978. Quaestiones Ent. 17(1-2):147-167.

SEVERAL DISEASES

- Tonn, R. J. 1982. Medical entomology and vector control in Latin America. Mosquito News 42(4):506-510.

ARBOVIRUSES AND OTHER VERTEBRATE VIRUSES

- Ahe, C. von der., Dedek, J. and Loepelmann, H. 1981. Results and experience obtained from acceptance testing and tentative use of myxomatosis vaccine imported by East Germany from Czechoslovakia.

- slovakia. Monatsh. Veterinarmed. 36(13):492-495. In Ger., Engl. Sum.
- Beatty, B. J. and Coauthors. 1982. Indirect fluorescent-antibody technique for serological diagnosis of La Crosse (California) virus infections. J. Clin. Microbiol. 15(3):429-434.
- Bishop, D. H. L., Gould, K. G., Akashi, H. and Clerx-van Haaster, C. M. 1982. The complete sequence and coding content of snowshoe hare bunyavirus small (S) viral RNA species. Nucleic Acids Research 10(12):3703-3713.
- Buxton, B. A., Schultz, R. D. and Collins, W. E. 1982. Role of insects in the transmission of bovine leukosis virus: potential for transmission by mosquitoes. Amer. J. Vet. Res. 43(8):1458-1459.
- Clark, G. G. and Coauthors. 1982. LaCrosse virus activity in Illinois detected by ovitraps. Mosquito News 42(4):551-557.
- Clerc, Y. and Coauthors. 1981. Le programme arbovirus de l'Institut Pasteur de Madagascar: bilan actuel. Arch. Inst. Pasteur Madagascar 48(1):247-257.
- Clerx-van Haaster, C. M. and Coauthors. 1982. The 3' terminal RNA sequences of bunyaviruses and nairoviruses (Bunyaviridae): evidence of end sequence generic differences within the virus family. J. General Virol. 61(2):289-292.
- Crans, W. J. 1982. New Jersey vector surveillance 1981 season summation. Proc. N. J. Mosquito Cont. Assoc. 69:115-119.
- Freitas, R. B. and Coauthors. 1980. Epidemiologia de virus Oropouche no leste do Estado do Pará, 1979. Revista da Fundação SESP 15(2):59-72.
- Garoff, H., Kondor-Koch, C. and Riedel, H. 1982. Structure and assembly of alphaviruses. Current Topics in Microbiol. and Immunol. 99:1-50. [Sindbis and Semliki Forest included.]
- Gonzalez, J. P., Saluzzo, J. F. and Hervé, J. P. 1981. Advantages of intrathoracic inoculation of *Aedes aegypti* for the isolation and reisolation of arboviruses. Ann. de Virologie (Inst. Pasteur) 132(4):519-529.
- Gonzales-Scarano, F., Shope, R. E., Calisher, C. E. and Nathanson, N. 1982. Characterization of monoclonal antibodies against the G1 and N proteins of LaCrosse and Tafyna, two California serogroup bunyaviruses. Virology 120(1):42-53.
- Grimstad, P. R. and Coauthors. 1982. A case of encephalitis in a human associated with a serologic rise to Jamestown Canyon virus. Amer. J. Trop. Med. and Hyg. 31(6):1238-1244.
- Imagawa, H. and Coauthors. 1981. Seroprevalence survey on Gethah virus infection in light horses in Japan. Jap. J. Vet. Sci. 43(6):797-802.
- Jamnback, T. L. and Coauthors. 1982. Capture immunoglobulin M system for rapid diagnosis of La Crosse (California encephalitis) virus infections. J. Clin. Microbiol. 16(3):577-580.
- Kamada, M. and Coauthors. 1982. Studies on Gethah virus: some biological, physicochemical and antigenic properties of the MI-110 strain. Jap. J. Vet. Sci. 44(1):89-96.
- Kay, B. H. 1982. Three modes of transmission of Ross River virus by *Aedes vigilax* (Skuse). Austral. J. Expt. Biol. and Med. Sci. 60(3):339-344.
- Le Goff, F., Le Lay, G. and Chastel, C. 1982. The use of scanning electron microscopy in the study of haemagglutination induced by various arboviruses. Acta Virologica 26(4):247-255.
- Lipovka, V. A., Khozinsky, V. V. and Semenov, B. F. 1982. Characteristics of togavirus- and bunyavirus-induced nonspecific suppressor cells inhibiting delayed hypersensitivity. Zhur. Mikrobiol. Epidemiol. i Immunobiol. 5:64-66. In Rus., Engl. Sum.
- Maddoff, D. H. and Lenard, J. 1982. A membrane glycoprotein that accumulates intracellularly: cellular processing of the large glycoprotein of La Crosse virus. Cell 28(4):821-829.
- McLean, R. G. 1982. Potentiation of Keystone virus infection in cotton rats by glucocorticoid-induced stress. J. Wildlife Dis. 18(2):141-148.
- Ou, J. H. and Coauthors. 1982. Sequence studies of several alphavirus genomic RNAs in the region containing the start of the subgenomic RNA. Proc. Natl. Acad. Sci. USA 79(17):5235-5239.
- Pinheiro, F. P. 1980. Situação das arboviroses na região Amazônica. Revista da Fundação SESP 25(2):37-58. Engl. Sum.
- Pringle, C. R. and Iroegbu, C. U. 1982. Mutant identifying a third recombination group in a Bunyavirus. J. Virology 42(3):873-879. [*Aedes albopictus*.]
- Turell, M. J., Hardy, J. L. and Reeves, W. C. 1982. Stabilized infection of California encephalitis virus in *Aedes dorsalis*, and its implications for viral maintenance in nature. Amer. J. Trop. Med. and Hyg. 31(6):1252-1259.
- Varelas-Wesley, I. and Calisher, C. H. 1982. Antigenic relationships of flaviviruses with undetermined arthropod-borne status. Amer. J. Trop. Med. and Hyg. 31(6):1273-1284.
- Watts, D. M. and Coauthors. 1982. Serologic evidence of Jamestown Canyon and Keystone virus infection in vertebrates of the DelMarVa Peninsula. Amer. J. Trop. Med. and Hyg. 31(6):1245-1251.
- Wolcott, J. A., Wust, C. J. and Brown, A. 1982. Immunization with one alphavirus cross-primes cellular and humoral immune responses to a second alphavirus. J. Immunol. 129(3):1267-1271.
- Arboviruses—Dengue**
- Bancroft, W. H. and Coauthors. 1982. Dengue-2 vaccine: infection of *Aedes aegypti* mosquitoes by feeding on viremic recipients. Amer. J. Trop. Med. and Hyg. 31(6):1229-1231.
- Brandt, W. E., McCown, J. M., Gentry, M. K. and Russell, P. K. 1982. Infection enhancement of dengue type 2 virus in the U-937 human monocyte cell line by antibodies to flavivirus cross-reactive determinants. Infect. and Immunity 36(3):1036-1041.
- Dittmar, D., Castro, A. and Haines, H. 1982. Demonstration of interference between dengue virus types in cultured mosquito cells using monoclonal antibody probes. J. General Virol. 59(2):273-282.
- Figueroa, M. and Coauthors. 1982. The dengue epidemic in Honduras, 1978-1980. Bol. Ofic. Sanit. Panamer. 93(5):434-441. In Sp., Engl. Sum.

- Gulati, L., Chaturvedi, U. C. and Mathur, A. 1982. Depressed macrophage functions in dengue virus-infected mice: role of the cytotoxic factor. *Brit. J. Expt. Path.* 63(2):194-202.
- Hafkin, B. and Coauthors. 1982. Reintroduction of dengue fever into the continental United States. I. Dengue surveillance in Texas, 1980. *Amer. J. Trop. Med. and Hyg.* 31(6):1222-1228.
- Hotta, H. and Hotta, S. 1982. Dengue virus multiplication in cultures of mouse peritoneal macrophages: effects of macrophage activators. *Microbiol. and Immunol.* 26(8):665-676.
- Johnson, B. K. and Coauthors. 1982. Dengue-2 virus in Kenya. *Lancet* 8291:208.
- Koff, W. C., Elm, J. L., Jr. and Halstead, S. B. 1982. Antiviral effects of ribavirin and 6-mercaptop-9-tetrahydro-2-furylpurine against dengue viruses in vitro. *Antiviral Res.* 2(1-2):69-79.
- Kouri, G. and Coauthors. 1982. Hemorrhagic dengue in Cuba in 1981. Rapid diagnosis of the etiologic agent. *Bol. Ofic. Sanit. Panamer.* 93(5):414-420. In Sp., Engl. Sum.
- Kuno, G. 1982. Dengue virus replication in a polyploid mosquito cell culture grown in serum-free medium. *J. Clin. Microbiol.* 16(5):851-855.
- Kuno, G. 1982. Persistent infection of a nonvector mosquito cell line (TRA-171) with dengue viruses. *Intervirology* 18(1-2):45-55.
- Miller, B. R. and Coauthors. 1982. Dengue-2 vaccine: oral infection, transmission, and lack of evidence for reversion in the mosquito, *Aedes aegypti*. *Amer. J. Trop. Med. and Hyg.* 31(6):1232-1237.
- Murakami, I. 1982. Role of macrophages and thymus in anti-dengue antibody production in mice. *Kobe J. Med. Sci.* 28(1):33-46.
- Pang, T., Wong, P. Y. and Pathmanathan, R. 1982. Induction and characterization of delayed-type hypersensitivity to dengue virus in mice. *J. Infect. Dis.* 146(2):235-242.
- Waterman, S. H. and Monath, T. P. 1982. Fluorescent antibody techniques applied to the identification of dengue virus in infected tissue. *Acta Virologica* (5):376-381.
- Arboviruses—Eastern Encephalitis**
- Monath, T. P. and Coauthors. 1981. Diagnosis of eastern equine encephalomyelitis by immunofluorescent staining of brain tissue. *Amer. J. Vet. Res.* 42(8):1418-1421.
- Arboviruses—Japanese encephalitis**
- Ao, J. and Coauthors. 1981. Further observations on JBE attenuated live vaccines used for prevention of stillbirths in swine. *Acta Microbiol. Sinica* 21(2):174-179. In Chin., Engl. Sum.
- Bundo, K. and Coauthors. 1982. Enzyme-linked immunosorbent assay on Japanese encephalitis virus. V. Antibody levels among inhabitants in endemic and nonendemic areas. *Trop. Med. (Nagasaki)* 24(3):139-150. Jap. Sum.
- Kalimuddin, M., Narayan, K. G. and Choudhary, S. P. 1982. Possible relation of seropositivity to Japanese encephalitis in pigs with the 1978 epidemic of human encephalitis in Bihar. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(5):639-640.
- Kaul, H. N., Dhanapal, J., Deshmukh, P. K. and Banerjee, K. 1982. A report on the mosquitoes collected during an epidemic of encephalitis in Dhanbad district, Bihar. *Indian J. Med. Res.* 76(July):53-58.
- Kelkar, S. D. 1982. Protection against Japanese encephalitis virus in infant mice by Concanavalin A. *Indian J. Med. Res.* 76(July):47-52.
- Konishi, E. and Yamaoka, M. 1982. Enzyme-linked immunosorbent assay for detection of antibodies to Japanese encephalitis virus in swine sera. *Kobe J. Med. Sci.* 28(1):7-17.
- Mathur, K. K., Bagchi, S. K., Sehgal, C. L. and Bhardwaj, M. 1981. Investigation on an outbreak of Japanese encephalitis in Raipur, Madhya Pradesh. *J. Commun. Dis.* 13(4):257-265.
- Morita, K., Bundo, K. and Igarashi, A. 1982. Enzyme-linked immunosorbent assay (ELISA) on Japanese encephalitis virus. IV. A computer system to calculate ELISA endpoint titer from ELISA-OD at a single dilution of test sera. *Trop. Med. (Nagasaki)* 24(3):131-137. Jap. Sum.
- Prasada Rao, G. L. N. and Coauthors. 1982. Aetiology of the 1978 outbreak of encephalitis in Tirunelveli and other districts of Tamil Nadu. *Indian J. Med. Res.* 76(July):36-46.
- Sugamata, M., Fujiwara, H. and Abe, T. 1982. Brain gangliosides from a patient with Japanese encephalitis. *Acta Virologica* 26(5):400-402.
- Takegami, T., Miyamoto, H., Nakamura, H. and Yasui, K. 1982. Biological activities of the structural proteins of Japanese encephalitis virus. *Acta Virologica* 26(5):312-320.
- Takegami, T., Miyamoto, H., Nakamura, H. and Yasui, K. 1982. Differences in biological activity of the V_3 envelope protein of two Japanese encephalitis virus strains. *Acta Virologica* 26(5):321-327.
- Vorobyeva, M. S. and Coauthors. 1982. Standardization of preparations intended for the serodiagnosis of arboviruses. *Zhur. Mikrobiol. Epidemiol. i Immunobiol.* No. 4:69-72. In Rus., Engl. Sum.

Arboviruses—Rift Valley Fever

- Blackburn, N. K., Searle, L. and Taylor, P. 1982. Viral haemorrhagic fever antibodies in Zimbabwe schoolchildren. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(6):803-805. [Includes Rift Valley fever.]
- Canonica, P. G., Pannier, W. L., Huggins, J. W. and Rienehart, K. L. 1982. Inhibition of RNA viruses in vitro and in Rift Valley Fever-infected mice by di-demmins A and B. *Antimicrob. Agents and Chemother.* 22(4):696-697.
- Jennings, M., Platt, G. S. and Bowen, E. T. 1982. The susceptibility of *Culicoides variipennis* Coq. (Diptera: Ceratopogonidae) to laboratory infection with Rift Valley fever virus. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(5):587-589.
- Niklasson, B. 1982. Rift Valley fever virus vaccine trial: study of side-effects in humans. *Scand. J. Infect. Dis.* 14(2):105-109.

Arboviruses—Semliki Forest

- Crouch, C. F., Mackenzie, A. and Dimmock, N. J. 1982. The effect of defective-interfering Semliki Forest virus on the histopathology of infection with virulent Semliki Forest virus in mice. *J. Infect. Dis.* 146(3):411-416.
- Folayan, J. O. 1982. Poly(A):poly(U); poly(O⁸A):poly(U); poly(A):poly(MeNH⁵U) and poly(O⁸A):poly(MeNH⁵U) versus bida Semliki Forest virus in chick embryos. *Toxicol. Lett.* 12(1):47-52.
- Kondor-Koch, C., Riedel, H., Söderberg, K. and Garoff, H. 1982. Expression of the structural proteins of Semliki Forest virus from cloned cDNA microinjected into the nucleus of baby hamster kidney cells. *Proc. Natl. Acad. Sci. USA* 79(15):4525-4529.
- Marsh, M. and Coauthors. 1982. Monensin inhibits Semliki Forest virus penetration into culture cells. *Proc. Natl. Acad. Sci. USA* 79(17):5297-5301.
- Mehta, S. and Webb, H. E. 1982. Lysosomal enzyme changes in macrophages from mice given mycosprin and infected with avirulent Semliki Forest virus. *Brit. J. Expt. Path.* 63(4):443-446.
- Pesonen, M. and Kääriainen, L. 1982. Incomplete complex oligosaccharides in Semliki Forest virus envelope proteins arrested within the cell in the presence of monensin. *J. Molecular Biol.* 158(2):213-230.
- Suckling, A. J., Jagelman, S. and Webb, H. E. 1982. Immunoglobulin synthesis in nude (nu/nu), nu/+ and reconstituted nu/nu mice infected with a demyelinating strain of Semliki Forest virus. *Clin. and Expt. Immunol.* 47(2):283-288.

Arboviruses—Sindbis

- Carreras, B., Griffin, D. E. and Silverstein, A. M. 1982. Sindbis virus-induced ocular immunopathology. *Investig. Ophthalmology and Visual Sci.* 22(5):571-578.
- Chanas, A. C., Ellis, D. S., Stamford, S. and Gould, E. A. 1982. The interaction of monoclonal antibodies directed against envelope glycoprotein E₁ of Sindbis virus with virus-infected cells. *Antiviral Res.* 2(4):191-201.
- Gresikova, M. and Tregerova, V. 1982. Experimental infection of pancreatic organ cultures from suckling white mice with tick-borne encephalitis and Sindbis viruses. *Acta Virologica* 26(5):405.
- Hunt, L. A. 1982. Lectin affinity chromatography of Sindbis and Rous Sarcoma virus glycopeptides and oligosaccharides. *J. Virological Methods* 4(4-5):283-295.
- Kondorosi, E. and Duda, E. 1982. Infection of cells with Sindbis virus nucleocapsids entrapped into liposomes. *Biochem. and Biophys. Res. Commun.* 107(1):367-373.
- Monroe, S. S. and Coauthors. 1982. Sequence analysis of cDNA's derived from the RNA of Sindbis virions and of defective interfering particles. *J. Virology* 41(1):153-162.
- Roehrig, J. T., Gorski, D. and Schlesinger, M. J. 1982. Properties of monoclonal antibodies directed

against the glycoproteins of Sindbis virus. *J. General Virol.* 59(2):421-425.

Arboviruses—St. Louis Encephalitis

- Crans, W. J. 1982. The use of sentinel chickens for St. Louis encephalitis surveillance in New Jersey. *Proc. N.J. Mosquito Cont. Assoc.* 69:39-41.
- Evans, R. W. and Welch, K. W. A. 1982. Opsoclonus in a confirmed case of St. Louis encephalitis. *J. Neurology, Neurosurgery and Psychiatry* 45(7):660-661.
- Mathews, J. H. and Vorndam, A. V. 1982. Interferon-mediated persistent infection of Saint Louis encephalitis virus in a reptilian cell line. *J. General Virol.* 61(2):177-186.
- Travassos da Rosa, J. F. S., Freitas, E. N., Travassos da Rosa, A. P. A. and Pinheiro, F. P. 1980. Epidemiologia do vírus da encefalite de São Luís na Amazônia. *Revista da Fundação SESP* 25(2):73-80. Engl. Sum.

Arboviruses—Venezuelan Equine Encephalitis

- Calisher, C. H. and Coauthors. 1982. Identification of a new Venezuelan equine encephalitis virus from Brazil. *Amer. J. Trop. Med. and Hyg.* 31(6):1260-1272.
- Kinney, R. M. and Trent, D. W. 1982. Conservation of tryptic peptides in the structural proteins of viruses in the Venezuelan equine encephalitis complex. *Virology* 121(2):345-362.
- Mecham, J. O. and Trent, D. W. 1982. A comparison of the 26 S mRNAs and structural proteins of an equine virulent Venezuelan equine encephalitis virus and its vaccine derivative. *Virology* 121(2):251-261.
- Roehrig, J. T., Day, J. W. and Kinney, R. M. 1982. Antigenic analysis of the surface glycoproteins of a Venezuelan equine encephalomyelitis virus (TC-83) using monoclonal antibodies. *Virology* 118(2):269-278.

Arboviruses—Western Equine Encephalitis

- London, W. T. and Coauthors. 1982. Teratological effects of western equine encephalitis virus on the fetal nervous system of *Macaca mulatta*. *Teratology* 25(1):71-79.

Arboviruses—Yellow Fever

- Tonn, R. J., Figueredo, R. and Uribe, L. J. 1982. *Aedes aegypti*, yellow fever and dengue in the Americas. *Mosquito News* 42(4):497-501.

FILARIASIS

- Adaikan, P. G. and Zaman, V. 1982. *In vitro* activity of anthelmintic drugs and biologically active substances on *Bremlia boholia*. *Southeast Asian J. Trop. Med. and Pub. Hlth.* 13(2):257-261.

- Aiyar, S., Zaman, V. and Chan Soh Ha. 1982. Mechanism of destruction of *Brugia malayi* microfilariae in vitro: the role of antibody and leucocytes. *Acta Tropica* 39(3):225-236.
- Aiyar, S., Zaman, V. and Ha, C. S. 1982. Effect of immune serum on *Brugia malayi* microfilaria: ultra structural observations. *Southeast Asian J. Trop. Med. and Pub. Hlth.* 13(1):100-104.
- Ando, K., Siren, N. and Kumagai, M. 1982. Bancroftian filariasis in Truk State in Federated State of Micronesia in Micronesia. *Trop. Med. (Nagasaki)* 24(3):121-124. Jap. Sum.
- Atta, N. A. A., Gawish, N. A., Fattah, I. A. and Denham, D. A. 1982. *Wuchereria bancrofti* infections in Egypt and their treatment with diethylcarbamazine. *J. Egypt. Soc. Parasitol.* 12(1):41-50.
- Au, A. C. S. and Flockhart, H. A. 1982. Demonstration of antibodies to phosphoglucomutase of parasitic origin in *Brugia pahangi*-infected cats. *Z. f. Parasitenkunde* 67(2):237-243.
- Chen, S. N. 1981. Chemotherapy of filariasis. *Internat'l. J. Zoonoses* 8(2):111-114. [*Brugia* and *Wuchereria*.]
- Cheong, W. H., Chiang, G. L. and Mak, J. W. 1982. The development of filarial worms in *Taxorhynchites splendens*. *Southeast Asian J. Trop. Med. and Pub. Hlth.* 13(2):290-291.
- Court, J. P. 1982. A diffusion chamber technique for detecting compounds with clinical prophylactic activity against *Brugia pahangi*. *Tropenmed. u. Parasitol.* 33(2):83-86.
- de Hollanda, J. C., Denham, D. A. and Suswillo, R. R. 1982. The infectivity of microfilariae of *Brugia pahangi* of different ages to *Aedes aegypti*. *J. Helminthol.* 56(2):155-157.
- Denham, D. A. 1982. The effects of some avermectins on the growth of *Brugia pahangi*. Methods and Findings in Expt. Pharmacol. 4(5):347-350.
- Gajanana, A., Bheema Rao, U.S. and Manonmani, L. M. 1982. Preliminary study on circulating immune complexes in bancroftian filariasis. *Indian J. Med. Res.* 76(July):146-150.
- Gould, D. J., Bailey, C. L. and Vongpradist, S. 1982. Implication of forest mosquitoes in the transmission of *Wuchereria bancrofti* in Thailand. *Mosquito News* 42(4):560-564.
- Gutierrez, Y. and Petras, R. E. 1982. *Brugia* infection in northern Ohio. *Amer. J. Trop. Med. and Hyg.* 31(6):1128-1130.
- Hubel, K., Wutz, W., Vidic, B. and Hiti, H. 1981. Lebender intraokularer parasit. *Klin. Monatsbl. f. Augenheilkunde* 79(6):413-414. Engl. Sum.
- Jaffe, J. J., Comley, J. C. W. and Chrin, L. R. 1982. Thymidine kinase activity and thymidine salvage in adult *Brugia pahangi* and *Dirofilaria immitis*. *Molecular and Biochem. Parasitol.* 5(6):361-370.
- Kaliraj, P., Harinath, B. C. and Ghirnikar, S. N. 1982. Fractionation and evaluation of *Wuchereria bancrofti* microfilarial antigens in immunodiagnosis of Bancroftian filariasis. *Indian J. Expt. Biol.* 20(6):440-444.
- Kapila, K. and Verma, K. 1982. Cytologic detection of parasitic disorders. *Acta Cytologia* 26(3):359-362. [*Wuchereria bancrofti* included.]
- Kaushal, N. A., Hussain, R., Nash, T. E. and Ottesen, E. A. 1982. Identification and characterization of excretory-secretory products of *Brugia malayi*, adult filarial parasites. *J. Immunol.* 129(1):338-343.
- Kharat, I., Harinath, B. C. and Ghirnikar, S. N. 1982. Antibody analysis in human filarial sera by ELISA using *Wuchereria bancrofti* microfilariae culture antigen. *Indian J. Expt. Biol.* 20(5):378-380.
- Lim, K. C., Singh, M., Ho, B. C. and Yap, E. H. 1982. Peripheral blood eosinophil levels in rats infected with *Breinlia booliati* (Filarioidea: Onchoceridae). *Southeast Asian J. Trop. Med. and Pub. Hlth.* 13(2):238-243.
- Loh, A. K., Lim, K. C. and Singh, M. 1982. Scanning electron microscopy of the rodent filaria, *Breinlia booliati* (Filarioidea: Onchocercidae). *Southeast Asian J. Trop. Med. and Pub. Hlth.* 13(2):153-162.
- Mak, J. W. and Coauthors. 1982. Studies on the epidemiology of subperiodic *Brugia malayi* in Malaysia: problems in its control. *Acta Tropica* 39(3):237-245.
- Mak, J. W., Lim, P. K. C., Sim, B. K. L. and Liew, L. M. 1982. In vitro cultivation of *Brugia malayi* and *Brugia pahangi* infective larvae to fourth and fifth stage. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(5):702-703.
- Nandi, N. C. 1982. *Brugia*-type microfilariae in the Madras tree shrew *Anathana elliotti* (Waterhouse). *J. Helminthol.* 56(2):93-94.
- Partono, F. 1982. Elephantiasis and its relation to filarial immunity. *Southeast Asian J. Trop. Med. and Publ. Hlth.* 13(2):275-279.
- Piessens, W. F. and Coauthors. 1982. Antigen-specific suppressor T lymphocytes in human lymphatic filariasis. *New England J. Med.* 307(3):144-148.
- Price, E. W. and Henderson, W. J. 1981. Endemic elephantiasis of the lower legs in the United Cameroon Republic. *Trop. and Geog. Med.* 33(1):23-29. [*W. bancrofti* not in evidence.]
- Filariasis—Dirofilaria**
- Ardman, B. and Rudders, R. A. 1982. Benign pulmonary nodule and small-cell cancer. *Ann. Internal Med.* 97(1):140-141. [*D. immitis*.]
- Baskin, G. B. and Eberhard, M. L. 1982. *Dirofilaria immitis* infection in a rhesus monkey (*Macaca mulatta*). *Lab. Animal Sci.* 32(4):401-402.
- Calvert, C. A. and Thrall, D. E. 1982. Treatment of canine heartworm disease coexisting with right-side heart failure. *J. Amer. Vet. Med. Assoc.* 180(10):1201-1203.
- Doi, K. and Coauthors. 1982. Lesions in pulmonary artery in feline dirofilariasis. *Jap. J. Vet. Sci.* 44(1):23-29.
- Hayasaki, M. 1982. Reaginic and hemagglutinating antibody production in dogs infected with *Dirofilaria immitis*. *Jap. J. Vet. Sci.* 44(1):63-70.
- Hayasaki, M., Nakagaki, K., Kobayashi, S. and Ohishi, I. 1981. Immunological response of dogs to *Dirofilaria immitis* infection. *Jap. J. Vet. Sci.* 43(6):909-914.
- Pinger, R. R. 1982. Presumed *Dirofilaria immitis* infections in mosquitoes (Diptera: Culicidae) in Indiana, USA. *J. Med. Ent.* 19(5):553-555.
- Rao, C. K., Chandrasekharan, A. and Cherian, C. 1982. Frequency and duration of acute filarial at-

- tacks in persons in *Brugia malayi* endemic community. Indian J. Med. Res. 75(June):813-815.
- Rao, C. K., Ch. Krishna Rao and Narasimham, M. V. V. L. 1981. Bancroftian filariasis prevalence by family size in East Godavari District (Andhra Pradesh). J. Commun. Dis. 13(4):281-288.
- Reid, J. A. 1982. Concentration of microfilariae in mosquitoes during feeding. Trans. Roy. Soc. Trop. Med. and Hyg. 76(6):850-851. [Brugia and Wuchereria.]
- Sakamoto, M., Aoki, Y., Shirnada, M. and Nakajima, Y. 1982. Experimental infection of rat with *Brugia pahangi*. Trop. Med. (Nagasaki) 24(3):125-130. Jap. Sum.
- Shires, P. K., Turnwald, G. H., Qualls C. W. and King, G. K. 1982. Epidural dirofilariasis causing paraparesis in a dog. J. Amer. Vet. Med. Assoc. 180(1):1340-1343.
- Sim, B. K. L. 1982. Ultrastructural aspects of *Brugia pahangi* infective larvae. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):293-295.
- Simpson, C. F. and Jackson, R. F. 1982. Fate of microfilariae of *Dirofilaria immitis* following use of levamisole as a microfilaricide. Z. f. Parasitenkunde 68(1):93-101.
- Sneller, V. P. and Weinstein, P. P. 1982. In vitro development of *Dirofilaria immitis* microfilariae: selection of culture media and serum levels. Internat. J. for Parasitol. 12(2-3):233-238.
- Staniunas, R. J. and Hammerberg, B. 1982. Diethylcarbamazine-enhanced activation of complement by intact microfilariae of *Dirofilaria immitis* and their in vitro products. J. Parasitol. 68(5):809-816.
- Sucharit, S. and Coauthors. 1982. The effects of common salt on *Aedes togoi* and filarial infection. Korean J. Parasitol. 20(1):21-27. In Engl.
- Suswillo, R. R., Denham, D. A. and McGreevy, P. B. 1982. The number and distribution of *Brugia pahangi* in cats at different times after a primary infection. Acta Tropica 39(2):151-156.
- Vincent, A. L. and Coauthors. 1982. Infectivity of jird-passaged and dog-passaged strains of *Brugia pahangi* (Nematoda: Filarioidea). J. Parasitol. 68(5):969-971.
- World Health Organization. 1982. Report of the seventh meeting of the Scientific Working Group on Filariasis: filaricide screeners. TDR/FIL-SWG(7)/82.3, 18 pp.
- ### MALARIA
- Areekul, S. and Coauthors. 1982. Red cell acetylcholinesterase activity in *Plasmodium falciparum* malaria. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):196-201.
- Arn J. L. 1982. Malaria epidemiology and detectability. Trans. Roy. Soc. Trop. Med. and Hyg. 76(5):595-601.
- Barriaviera, B. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. III—Aspectos clínicos e evolutivos. Revista Inst. Med. Trop. S. Paulo 23(5 - Suppl. 5):12-26. Engl. Sum.
- Beema Rao, U.S., Panicker, K. N. and Karunakaran, A. 1982. Malaria persistence in some coastal villages in south India. Indian J. Med. Res. 75(June):808-812.
- Beljaev, A. E. 1981. A technique of preparing thick blood films on soft slides. Indian J. Malariaiol. 18(2):60-62.
- Bruce-Chwatt, L. J. 1982. Imported malaria: an invited guest. Brit. Med. Bul. 38(2):179-185.
- Bygbjerg, I. C. and Lannig, C. 1982. Septicaemia as a complication of falciparum malaria. Trans. Roy. Soc. Trop. Med. and Hyg. 76(5):705.
- Calabrese, E. J. 1982. Evolutionary loss of ascorbic acid synthesis: how it may have enhanced the survival interests of man. Med. Hypotheses 8(2): 173-175.
- Carnevale, P. and Coauthors. 1982. The evaluation of the critical levels of malaria transmission in a stable endemic area. Revue Épidémiol. Santé Publique (Paris) 30(1):49-70. In Fr., Engl. Sum.
- Chaicumpa, W., Atthasishtha, N., Looareesuwan, S. and Tharavanij, S. 1982. Natural killer cells in peripheral blood of healthy individuals and patients with malaria. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(1):61-68.
- Clark, I. A. 1982. Suggested importance of monokines in pathophysiology of endotoxin shock and malaria. Klin. Wochensch. 60(14):756-758.
- Colauto, E. M. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. IX—Frequência de sistemas de grupamentos sanguíneos em habitantes de região e em doentes. Revista Inst. Med. Trop. S. Paulo 23 (5-Suppl. 5):54-60. Engl. Sum.
- de Silva, D. G. H. 1982. Congenital malaria due to *Plasmodium vivax*: a case report from Sri Lanka. Trans. Roy. Soc. Trop. Med. and Hyg. 76(6):850.
- Finley, R. W., Mackey, L. J. and Lambert, P. H. 1982. Virulent *P. berghei* malaria: prolonged survival and decreased cerebral pathology in cell-deficient nude mice. J. Immunol. 129(5):2213-2218.
- Frankenburg, S., Londner, M. V. and Greenblatt, C. L. 1982. Cellular changes in bone marrow of malaria-infected mice. III. Chemotaxis of granulocytes. Z. f. Parasitenkunde 68(1):39-45.
- Garin, J. P. 1981. Variations in human parasitic diseases: malaria and schistosomiasis. Bul. Soc. de Path. Exot. 74(6):739-749. In Fr., Engl. Sum.
- Gekas, P. M. 1982. Malaria in a community hospital. Illinois Med. J. 161(5):340-342.
- Gupta, C. M., Alam, A., Mathur, P. N. and Dutta, G. P. 1982. A new look at nonparasitized red cells of malaria-infected monkeys. Nature (London) 299(5880):259-261.
- Gupte, S., Sabharwal, U. and Chugh, T. D. 1982. Serum CH_{50} and C'3 levels in malaria. Indian J. Med. Res. 76(July):130-133.
- Harinasuta, T., Dixon, K. E., Warrell, D. A. and Doberstyn, E. B. 1982. Recent advances in malaria with special reference to Southeast Asia. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(1):1-34.
- Holt, P. A. and Ghosh, S. K. 1982. Malaria in the UK. Some observations on six years' experience in Leeds and Middlesbrough. Practitioner 226(1364):329-335.
- Holvoet, G., Michielsen, P. and Vandepitte, J. 1982. Airport malaria in Belgium. Lancet 8303:881-882.
- Jayaraman, T. K. 1982. Malarial impact of surface

- irrigation projects: a case study from Gujarat, India. *Agr. and Environment* 7(1):23-34.
- Kassim, O. O. and Ejiezie, G. C. 1982. ABO blood groups in malaria and schistosomiasis haematobium. *Acta Tropica* 39(2):179-184.
- Katz, M. 1982. Discussion: malaria and malnutrition. *Reviews Infect. Dis.* 4(4):805.
- Kibukamusoke, J. W. 1981. Quartan malaria nephropathy. *Trop. Doctor* 11(3):102-103.
- Kueh, Y. K. and Yeo, K. L. 1982. Haematological alterations in acute malaria. *Scand. J. Haematol.* 29(2):147-152.
- Kurer, M. 1982. Malaria in New Guinea. *Brit. Med. J.* 285(6344):793-797.
- Mandour, A. M. and Omran, L. A. M. 1981. An authentic case of pulmonary malaria caused by *Plasmodium falciparum*. *J. Egypt. Soc. Parasitol.* 11(2):453-454.
- Maqsudur Rahman, K. M. 1982. Epidemiology of malaria in Malaysia. *Reviews Infect. Dis.* 4(5):985-991.
- McGregor, I. A. 1982. Introduction. *Brit. Med. Bul.* 38(2):115-116. [Malaria.]
- McGregor, I. A. 1982. Malaria: nutritional implications. *Reviews Infect. Dis.* 4(4):798-804.
- Menelau, G. J., Pinheiro, E. A. and Marques, A. C. 1981. Foco de malária na região metropolitana de Recife. *Rev. Brasil. de Malariaol.* 33:96-108. Engl. Sum.
- Monjou, L. and Coauthors. 1982. Is cell-mediated immune response related to nutritional state, but unaffected by concomitant malarial infection? *Ann. Trop. Med. and Parasitol.* 76(5):575-577.
- Nalbandian, R. M. and Coauthors. 1982. Erythrocyte-endothelial cell adherence in sickle cell disease, diabetes mellitus, and falciparum malaria: adverse effects reversed with piracetam. *Med. Hypotheses* 8(2):155-162.
- Oduolu, A. M. J. and Coauthors. 1982. Effects of malaria (*Plasmodium berghei*) on the maternal-fetal relationship in mice. *J. Protozool.* 29(1):77-81.
- Quinn, T. C. and Coauthors. 1982. Congenital malaria: a report of four cases and a review. *J. Pediatrics* 101(2):229-232.
- Schall, J. J., Bennett, A. F. and Putnam, R. W. 1982. Lizards infected with malaria: physiological and behavioral consequences. *Science* 217(4564):1057-1059.
- Shuvalova, E. P. and Antonov, M. M. 1982. Features of the clinical symptoms and therapy of imported malaria. *Klin. Med. (Mosk.)* 60(1):30-34. In Rus.
- Smith, D. C. 1982. The rise and fall of typhomalarial fever: I. Origins. *J. Hist. Med. Allied Sci.* 37(2):182-220.
- Smith, E. A. 1982. The United States involvement in overseas malaria programs. *Mosquito News* 42(4):510-514.
- Smrkovská, L. L., Escamilla, J., Wooster, M. T. and Rivera, D. G. 1982. A preliminary survey of malaria in Occidental, Mindoro, Philippines. *Southeast Asian J. Trop. Med. and Pub. Health* 13(2):181-185.
- Suleimanov, G. D. 1982. Serological methods in the system of measures on epidemiological surveillance of malaria (review of literature) *Med. Parazit. i Parazit. Bolezni* 50(6):63-67. In Rus.
- Varma, A. J. 1982. Malaria acquired by accidental inoculation. *Canad. Med. Assoc. J.* 126(12):1419-1420.
- Weatherall, D. J. and Abdalla, S. 1982. The anaemia of *Plasmodium falciparum* malaria. *Brit. Med. Bul.* 38(2):147-151.
- Wetsteyn, J. C. F. M. 1982. Congenital malaria due to *Plasmodium vivax*: a case report from Sri Lanka. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(6):850.
- White, G. B. 1982. Malaria vector ecology and genetics. *Brit. Med. Bul.* 38(2):207-212.
- Wickramasinghe, S. N., Abdalla, S. and Weatherall, D. J. 1982. Cell cycle distribution of erythroblasts in *P. falciparum* malaria. *Scand. J. Haematol.* 29(1):83-88.
- Williams, G. R., Law, T. L., Kennedy, D. H. and Love, W. C. 1982. Delayed diagnosis of malaria. *Brit. Med. J.* 284(6329):1616-1617.
- Wyler, D. J. 1982. Malaria: host-pathogen biology. *Reviews Infect. Dis.* 4(4):785-797.

Malaria—Cerebral

- Bruce-Chwatt, L. J. 1982. Managing cerebral malaria. *Brit. Med. J.* 285(6342):653-654.
- Hall, A. 1982. Dexamethasone in cerebral malaria. *New England J. Med.* 307(5):317-318. [Also other letters on this subject pp. 318-319.]
- Patrick, I. 1982. Managing cerebral malaria. *Brit. Med. J.* 284(6333):1954.
- Rees, P. 1982. Dexamethasone deleterious in cerebral malaria. *Brit. Med. J.* 285(6351):1357.
- Weston, M. J. 1982. Prostacyclin in falciparum malaria. *Lancet* 8298:609.

Malaria Control and Eradication

- Davidson, G. 1982. Developments in malaria vector control. *Brit. Med. Bul.* 38(2):201-206.
- Rafatjah, H. A. 1982. Prospects and progress on IPM in world-wide malaria control. *Mosquito News* 42(4):491-497.

Malaria—Immunology

- Agarwal, S. S. and Coauthors. 1981. Indirect haemagglutination and indirect fluorescent antibody tests for human malaria using *Plasmodium knowlesi* antigen. *Indian J. Malariaol.* 18(2):67-72.
- Arcay, L. and Ercoli, N. 1981. Agentes inespecíficos en la infección experimental producida por *Plasmodium berghei*. II. Sulfadiazina y cortisona. Endotoxina y cortisona. Quimotripsina. *Bol. de la Dirección de Malariaol. y San. Amb.* 21(3-4):165-178. Engl. Sum.
- Avraham, H. and Coauthors. 1982. A highly sensitive solid-phase radioimmunoassay for the assay of *Plasmodium falciparum* antigens and antibodies. *J. Immunol. Methods* 53(1):61-68.
- Boyle, D. B., Newbold, C. I., Smith, C. C. and Brown, K. N. 1982. Monoclonal antibodies that protect in vivo against *Plasmodium chabaudi* recognize a

- 250,000-Dalton parasite polypeptide. *Infect. and Immunity* 38(1):94-102.
- Brossat, J. Y. and Coauthors. 1981. Etude des propriétés immunostimulantes d'un extrait isolé à partir d'*Aloe vahombe*. 2. Protection de la souris par la fraction F₁ contre des infections par *Listeria monocytogenes*, *Yersinia pestis*, *Candida albicans* et *Plasmodium berghei*. *Arch. Inst. Pasteur Madagascar* 48(1):11-34. Engl. Sum.
- Brown, G. V., Anders, R. F., Mitchell, G. F. and Heywood, P. F. 1982. Target antigens of purified human immunoglobulins which inhibit growth of *Plasmodium falciparum* *in vitro*. *Nature* (London) 297(5867):591-593.
- Brown, K. M. and Kreier, J. P. 1982. *Plasmodium berghei* malaria: blockage by immune complexes of macrophage receptors for opsonized plasmodia. *Infect. and Immunity* 37(3):1227-1233.
- Burini, R. C. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. VII—Valores de creatinina, proteínas e lipídios sanguíneos de habitantes da região. *Revista Inst. Med. Trop. S. Paulo* 23 (5 - Suppl. 5):43-49. Engl. Sum.
- Campbell, C. C. and Coauthors. 1982. *Plasmodium falciparum* gametocytes from culture *in vitro* develop to sporozoites that are infectious to primates. *Science* 217(4564):1048-1050.
- Cohen, S. 1982. Progress in malaria vaccine development. *Brit. Med. Bul.* 38(2):161-165.
- Colauto, E. M. R. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. X—Incidência de anticorpos anti-eritrocitários na população geral e em doentes. *Revista Inst. Med. Trop. S. Paulo* 23(5 - Suppl. 5):61-64. Engl. Sum.
- Colauto, E. M. R. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas, XII—Frequência de fatores de resistência eritrocitária na população geral e em doentes: Hemoglobina s e sistema sanguíneo duffy. *Revista Inst. Med. Trop. S. Paulo* 23(5 - Suppl. 5):72-78. Engl. Sum.
- Correa, F. M. A. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. IV—Aspectos soroprevalentes com antígeno de *Plasmodium berghei*. *Revista Inst. Med. Trop. S. Paulo* 23(5 - Suppl. 5):27-31. Engl. Sum.
- Danforth, H. D., Campbell, G. H., Leef, M. F. and Beaudoin, R. L. 1982. Production of monoclonal antibodies by hybridomas sensitized to sporozoites of *Plasmodium berghei*. *J. Parasitol.* 68(6):1029-1033.
- Hommel, M. 1981. Malaria: immunity and prospects for vaccination. *West. J. Med.* 135(4):285-299.
- Howard, R. J., Kaushal, D. C. and Carter, R. 1982. Radioiodination of parasite antigens with 1,3,4,6-tetrachloro-3 alpha, 6 alpha-diphenylglycoluril (IODOGEN): studies with zygotes of *Plasmodium gallinaceum*. *J. Protozool.* 29(1):114-117.
- Jayawardena, A. N., Murphy, D. B., Janeway, C. A. and Gershon, R. K. 1982. T cell-mediated immunity in malaria. I. The Ly phenotype of T cells mediating resistance to *Plasmodium yoelii*. *J. Immunol.* 129(1):377-381.
- Jensen, J. B., Boland, M. T. and Akood, M. 1982. Induction of crisis forms in cultured *Plasmodium falciparum* with human immune serum from Sudan. *Science* 216(4551):1230-1233.
- Kilejian, A., Behr, M. A. and Lee, Y. Y. 1982. Comparative studies of antigens of erythrocytic and exoerythrocytic merozoites of *Plasmodium lophurae*: characterization of a surface glycoprotein from exoerythrocytic merozoites. *J. Parasitol.* 68(6):1021-1028.
- Kiy, Y. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. VI—Níveis séricos de tireotrofina e de hormônios tireoidianos em 22 doentes. *Revista Inst. Med. Trop. S. Paulo* 23 (5 - Suppl. 5):37-42. Engl. Sum.
- Macimura, S., Brinkmann, V., Mossmann, H. and Fischer, H. 1982. Chemiluminescence response of peritoneal macrophages to parasitized erythrocytes and lysed erythrocytes from *Plasmodium berghei*-infected mice. *Infect. and Immunity* 37(2):800-804.
- Matsubara, L. S. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. VIII—Comportamento das taxas de hemoglobina A₂ em habitantes da região e em doentes. *Revista Inst. Med. Trop. S. Paulo* 23 (5 - Suppl. 5):50-53. Engl. Sum.
- McBride, J. S., Walliker, D. and Morgan, G. 1982. Antigenic diversity in the human malaria parasite *Plasmodium falciparum*. *Science* 217(4556):254-257.
- McLean, S. A., Pearson, C. D. and Phillips, R. S. 1982. *Plasmodium chabaudi*: relationship between the occurrence of recrudescence parasitaemias in mice and the effective levels of acquired immunity. *Expt. Parasitol.* 54(2):213-221.
- Meira, D. A. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. II—Alguns aspectos epidemiológicos comparativos entre 1976 e 1979. *Revista Inst. Med. Trop. S. Paulo* 23(Suppl. 5):5-11.
- Nardin, E. H. and Coauthors. 1982. Circumsporozoite proteins of human malaria parasites *Plasmodium falciparum* and *Plasmodium vivax*. *J. Expt. Med.* 156(1):20-30.
- Nickell, S. P., Scheibel, L. W. and Cole, G. A. 1982. Inhibition by cyclosporin A of rodent malaria *in vivo* and human malaria *in vitro*. *Infect. and Immunity* 37(3):1093-1100.
- Okerengwo, A. A., Adeniyi, A., Williams, A. I. O. and Osunkoya, O. 1980. Studies on the immunopathology of the nephrotic syndrome associated with *Plasmodium malariae*. I. Serum levels of an immune adherence inhibitor. *Afr. J. Med. and Med. Sci.* 9(1-2):43-47.
- Omanga, U., Kageruka, P. and Tshishimbi, M. 1982. Mother-transmitted antimarial immunity and its evolution in the child. *Méd. Trop. (Marseille)* 42(1):19-25. In Fr., Engl. Sum.
- Playfair, J. H. L. 1982. Immunity to malaria. *Brit. Med. Bul.* 38(2):153-159.
- Salata, E. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. V—Aspectos sorológicos com antígenos de *Plasmodium falciparum* e *Plasmodium berghei*. *Revista Inst. Med. Trop. S. Paulo* 23(5-Suppl. 5):32-36. Engl. Sum.
- Saul, A., Myler, P., Elliott, T. and Kidson, C. 1982. Purification of mature schizonts of *Plasmodium fal-*

- ciparum* on colloidal silica gradients. Bul. WHO 60(5):755-759.
- Smith, L. P., Hunter, K. W., Oldfield, E. C. and Strickland, G. T. 1982. Murine malaria: blood clearance and organ sequestration of *Plasmodium yoelii*-infected erythrocytes. Infect. and Immunity 38(1):162-167.
- Smrkovski, L. L. and Senter, M. D. 1982. Effect of multiple sporozoite challenges on immunity to malaria. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):282-283.
- Sogayar, R. and Coauthors. 1981. Malária no município de Humaitá, Estado do Amazonas. XI—Aspectos parasitológicos. Revista Inst. Med. Trop. S. Paulo 23(5-Suppl. 5):65-71. Engl. Sum.
- Stanley, H. A., Langreth, S. G., Reese, R. T. and Trager, W. 1982. *Plasmodium falciparum* merozoites: isolation by density gradient centrifugation using percoll and antigenic analysis. J. Parasitol. 68(6):1059-1067.
- Taverne, J., Depledge, P. and Playfair, J. H. L. 1982. Differential sensitivity *in vivo* of lethal and non-lethal malarial parasites to endotoxin-induced serum factor. Infect. and Immunity 37(3):927-934.
- Tharavani, S., Tantivanich, S., Chongsua-Nguan, M. and Prasertsiriroj, V. 1982. Comparison of various serological test results using antigens from different strains of *Plasmodium falciparum*. Southeast Asian J. Trop. Med. and Pub. Health 13(2):174-180.
- Thelu, J., Ambroise-Thomas, P., Contat, M. and Kupka, P. 1982. Excretory-secretory antigens of *Plasmodium falciparum* produced in *in vitro* culture: a comparative study with somatic and whole parasite antigens. Bul. WHO 60(5):761-766. In Fr., Engl. Sum.
- Voller, A. and Draper, C. C. 1982. Immunodiagnosis and sero-epidemiology of malaria. Brit. Med. Bul. 38(2):173-177.
- Weidanz, W. P. 1982. Malaria and alterations in immune reactivity. Brit. Med. Bul. 38(2):167-172.
- Yadav, M. and Sidhu, A. S. 1982. Adoptive transfer of immunity to *Plasmodium berghei* with spleen cells from drug cured mice. Southeast Asian J. Trop. Med. and Pub. Hlth. 13(2):186-195.
- Zavalá, F. and Coauthors. 1982. Monoclonal antibodies to circumsporozoite proteins identify the species of malaria parasite in infected mosquitoes. Nature (London) 299(5885):737-738.
- Bray, R. S. and Garnham, P. C. C. 1982. The life-cycle of primate malaria parasites. Brit. Med. Bul. 38(2):117-122.
- Brett, S. J. and Cox, F. E. G. 1982. Interactions between the intestinal flagellates *Giardia muris* and *Spirotruncus muris* and the blood parasites *Babesia microti*, *Plasmodium yoelii* and *Plasmodium berghei* in mice. Parasitology 85(1):101-110.
- Collins, W. E. and Coauthors. 1982. Studies on the Cambodian I strain of *Plasmodium falciparum* in *Atous* monkeys. J. Parasitol. 68(5):877-883.
- Collins, W. E. and Skinner, J. C. 1982. Development of *Plasmodium vivax* in *Saguinus mystax* and *S.fuscicollis* monkeys. J. Parasitol. 68(6):1183-1184.
- Divo, A. A. and Jensen, J. B. 1982. Studies on serum requirements for the cultivation of *Plasmodium falciparum*. 1. Animal sera. Bul. WHO 60(4):565-569.
- Divo, A. A. and Jensen, J. B. 1982. Studies on serum requirements for the cultivation of *Plasmodium falciparum*. 2. Medium enrichment. Bul. WHO 60(4):571-575.
- Dutta, G. P., Banyal, H. S. and Kamboj, K. K. 1982. Bonnet monkey (*Macaca radiata*) as a suitable host for chronic non-fatal *Plasmodium knowlesi* infection. Indian J. Med. Res. 76(July):134-140.
- Dutta, G. P., Humar, A. and Puri, S. K. 1982. *Presbytis entellus* and *Macaca radiata* as new hosts for experimental *Plasmodium cynomolgi* *bastianelli* infection. Indian J. Med. Res. 76(July):141-145.
- Falanga, P. B., da Silveira, J. F. and da Silva, L. P. 1982. Proteins synthesized during specific stages of the schizogonic cycle and conserved in the merozoites of *Plasmodium chabaudi*. Molecular and Biochem. Parasitol. 6(1):55-65.
- Garewal, G., Quadri, M. I. and Das, K. C. 1982. Effect of *Plasmodium vivax* infection on leucocyte count in chronic leukaemia patients. Acta Haematologica 67(4):285-286.
- Gauci, R., Bennett, D., Clark, I. A. and Bryant, C. 1982. The induction of tyrosine aminotransferase activity and its use as an indirect assay for endotoxin in mice infected with *Plasmodium vinckeii petteri*. Internat. J. for Parasitol. 12(4):279-284.
- Gillet, J. M., Boné, G. and Herman, F. 1982. Inhibitory action of α -difluoromethylornithine on rodent malaria (*Plasmodium berghei*). Trans. Roy. Soc. Trop. Med. and Hyg. 76(6):776-777.
- Goman, M. and Coauthors. 1982. The establishment of genomic DNA libraries for the human malaria parasite *Plasmodium falciparum* and identification of individual clones by hybridisation. Molecular and Biochem. Parasitol. 5(6):391-400.
- Gritzammer, C. A. and Reese, R. T. 1982. Translation *in vitro* of RNA from the human malarial parasite *Plasmodium falciparum*. Bioscience Rpts. 2(9):667-673.
- Hayes, C. G., Garham, P. C. C. and Bagar, S. 1981. *Hepatocystis semnopitheci* in rhesus monkey populations from northern Pakistan. Indian J. Malariaiol. 18(2):57-59. [This species first described as a new species of *Plasmodium*.]
- Hollingsdale, M. R. and Leland, P. 1982. Detection of exoerythrocytic stages of *Plasmodium berghei* in fixed liver tissue and cultured cells by an immunoperoxidase antibody technique. Trans. Roy. Soc. Trop. Med. and Hyg. 76(5):624-626.

Malaria—Parasites

- Abdalla, S. and Weatherall, D. J. 1982. The direct antiglobulin test in *P. falciparum* malaria. Brit. J. Haematol. 51(3):415-425.
- Bannister, L. H. and Sinden, R. E. 1982. New knowledge of parasite morphology. Brit. Med. Bul. 38(2):141-145.
- Bazaz-Malik, G. and Tatke, M. 1982. Blood lymphocytes and serum protein in *Plasmodium knowlesi* infection in a protein deficient host. Indian J. Med. Res. 76(Sept):398-402.
- Birago, C. and Coauthors. 1982. Mosquito infectivity is directly related to the proportion of repetitive DNA in *Plasmodium berghei*. Molecular and Biochem. Parasitol. 6(1):1-12.

- Hough-Evans, B. R. and Howard, J. 1982. Genome size and DNA complexity of *Plasmodium falciparum*. *Biochimica et Biophysica Acta* 698(1):56-61.
- Jiang, J. B. and Coauthors. 1982. Long incubation of *Plasmodium vivax multinucleatum* as demonstrated in three experimental human cases. *Trans Roy. Soc. Trop. Med. and Hyg.* 76(6):845-847.
- Krotoski, W. A. and Coauthors. 1982. Demonstration of hypnozoites in sporozoite-transmitted *Plasmodium vivax* infection. *Amer. J. Trop. Med. and Hyg.* 31(6):1291-1293.
- Landau, I., Boulard, Y., Seureau, C. and Peters, W. 1982. Schizogonie hépatique retardée de *Plasmodium yoelii yoelii* chez des rongeurs traités par l'éthionine ou carencés en méthionine: Étude histologique et ultrastructurale. *Ann. de Parasitol. Humaine et Compar.* 57(1):1-20. Engl. Sum.
- Latham, M. C. and Coauthors. 1982. A comparative study of the nutritional status, parasitic infections and health of male roadworkers in four areas of Kenya. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(6):734-740. [*Plasmodium* included.]
- Mazier, D. and Coauthors. 1982. Infection *in vitro* d'hépatocytes de *Thamnomys* adults par des sporozoïtes de *Plasmodium yoelii*: Développement de schizontes et libération de merozoites infectants. *Ann. de Parasitol. Humaine et Compar.* 57(1):99-100.
- Meis, J. F. G. M., Verhave, J. P., Jap, P. H. K. and Meuwissen, J. H. E. T. 1982. The demonstration of *Plasmodium berghei* sporozoites in rat hepatocytes one hour after inoculation. *Z. f. Parasitenkunde* 67(3):345-348.
- Midha, N. and Coauthors. 1981. Evaluation of fluorescent microscopy for the identification of malarial parasites. *J. Commun. Dis.* 13(4):241-243.
- Mikkelsen, R. B., Tanabe, K. and Wallach, D. F. H. 1982. Membrane potential of *Plasmodium*-infected erythrocytes. *J. Cell Biol.* 93(3):685-689.
- Nayar, J. K., Young, M. D. and Forrester, D. J. 1982. Experimental transmission by mosquitoes of *Plasmodium hermani* between domestic turkeys and pen-reared bobwhites. *J. Parasitol.* 68(5):874-876.
- Ngwenya, B. Z. and Capaci, B. L. 1982. Elevated levels of phospholipase B in mice infected and challenged with *Plasmodium yoelii*. *J. Parasitol.* 68(5):749-754.
- Palmer, K. L., Hui, G. S. N., Siddiqui, W. A. and Palmer, E. L. 1982. A large-scale *in vitro* production system for *Plasmodium falciparum*. *J. Parasitol.* 68(6):1180-1183.
- Pasvol, G. and Wilson, R. J. M. 1982. The interaction of malaria parasites with red blood cells. *Brit. Med. Bul.* 38(2):133-140.
- Ponnudurai, T., Lensen, A. H. W., Leeuwenberg, A. D. E. M. and Meuwissen, J. H. E. Th. 1982. Cultivation of fertile *Plasmodium falciparum* gametocytes in semiautomated systems. 1. Static cultures. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(6):812-818.
- Ponoinetskii, V. D., Pokrovskii, V. V., Kladukhina, L. S. and Yurkiv, V. A. 1981. Oxidative and antioxidant systems of the blood in mechanisms for protecting and injuring erythrocytes in mice infested with *Plasmodium berghei*. *Bul. Expt. Biol. and Med.* 92(9):1201-1203. [Translation of article published in 1981.]
- Rai Chowdhuri, A. N. and Sivaraman, C. A. 1982. Sheep serum for primary isolation of *Plasmodium falciparum* *in vitro*. *Indian J. Med. Res.* 76(Sept.):403-406.
- Rieckmann, K. H. 1982. Visual *in-vitro* test for determining the drug sensitivity of *Plasmodium falciparum*. *Lancet* 8285:1333-1335.
- Sarikabutti, B. and Niymarkha, P. 1982. Adenosine triphosphate levels in mouse erythrocytes infected with chloroquine-sensitive and chloroquine-resistant *Plasmodium berghei*. *Ann. Trop. Med. and Parasitol.* 76(6):657-659.
- Saul, A., Myler, P., Mangan, T. and Kidson, C. 1982. *Plasmodium falciparum*: automated assay of erythrocyte invasion using flow cytofluorometry. *Expt. Parasitol.* 54(1):64-71.
- Saxena, J. K., Ghatak, S. and Sen, A. B. 1981. *Plasmodium berghei*: studies on host metabolism using *Mastomys natalensis* as experimental model. *Indian J. Malariaiol.* 18(2):80-86.
- Schmidt, J. A. and Coauthors. 1982. *Plasmodium falciparum* malaria. An amelanotic melanoma cell line bears receptors for the knob ligand on infected erythrocytes. *J. Clin. Investig.* 70(2):379-386.
- Sirawaraporn, W., Panijpan, B. and Yuthavong, Y. 1982. *Plasmodium berghei*: uptake and distribution of chloroquine in infected mouse erythrocytes. *Expt. Parasitol.* 54(2):260-270.
- Sivaraman, C. A., Rai Chowdhuri, A. N., Regis, M. L. and Gajanana, A. 1981. Isolation of *P. falciparum* in *in vitro* continuous culture from a patient treated with chloroquine 24 hr before. *Indian J. Malariaiol.* 18(2):87-90.
- Tanabe, K., Mikkelsen, R. B. and Wallach, D. F. H. 1982. Calcium transport of *Plasmodium chabaudi*-infected erythrocytes. *J. Cell Biol.* 93(3):680-684.
- Tanabe, K., Schmidt-Ullrich, R., Mikkelsen, R. B. and Wallach, D. F. H. 1982. Gamma-irradiation as a method to remove leukocytes and polychromatophilic erythrocytes in *Plasmodium chabaudi*-infected rats. *J. Parasitol.* 68(6):1184-1186.
- Telford, S. R., Jr. 1982. *Plasmodium lionatum* sp. n., a parasite of the flying gecko, *Phychozoon lionatum*, in Thailand. *J. Parasitol.* 68(6):1154-1157.
- Trager, W. 1982. Cultivation of malaria parasites. *Brit. Med. Bul.* 38(2):129-131.
- Vander Jagt, D. L. and Coauthors. 1982. Marker enzymes of *Plasmodium falciparum* and human erythrocytes as indicators of parasite purity. *J. Parasitol.* 68(6):1068-1071.
- van der Kaay, H. J. and Coauthors. 1982. Susceptibility to *Plasmodium berghei* in a laboratory population of *Anopheles atroparvus* (Diptera: Culicidae) after the introduction of *Plasmodium*-refractory genotypes. *J. Med. Ent.* 19(5):536-540.
- Verma, B. L., Ray, S. K. and Srivastava, R. N. 1981. Life table approach to the estimation of malaria parasite incidence rate in infants from longitudinal data. *J. Commun. Dis.* 13(4):235-240.
- Vial, H. J., Thuet, M. J. and Philippot, J. R. 1982. Phospholipid biosynthesis in synchronous *Plasmodium falciparum* cultures. *J. Protozool.* 29(2):258-263.
- Walliker, D. 1982. Genetic variation in malaria parasites. *Brit. Med. Bul.* 38(2):123-128.
- Weathersby, A. B. and McCroddan, D. M. 1982. The effects of parabiotic twinning of susceptible and

- refractory mosquitoes on the development of *Plasmodium gallinaceum*. J. Parasitol. 68(6):1081-1084.
- Wunderlich, F., Stübig, H. and Königk, E. 1982. Development of *Plasmodium chabaudi* in mouse red blood cells: structural properties of the host and parasite membranes. J. Protozool. 29(1):60-66.
- Wunderlich, F., Stübig, H. and Königk, E. 1982. Intraerythrocytic development of *Plasmodium knowlesi*: structure, temperature- and Ca^{2+} -response of the host and parasite membranes. J. Protozool. 29(1):49-59.
- Zolg, J. W., MacLeod, A. J., Dickson, I. H. and Scaife, J. G. 1982. *Plasmodium falciparum*: modifications of the in vitro culture conditions improving parasitic yields. J. Parasitol. 68(6):1072-1080.
- Malaria—Therapeutics and Antimalarials**
- Adelusi, S. A., Dawodu, A. H. and Salako, L. A. 1982. Kinetics of the uptake and elimination of chloroquine in children with malaria. Brit. J. Clin. Pharmacol. 14(4):483-487.
- Arnold, A. M. and Whitehouse, J. M. A. 1982. Interaction of VP16-213 with the DNA repair antagonist chloroquine. Cancer Chemother. Pharmacol. 7(2):123-126.
- Baker, J. K., McChesney, J. D., Hufford, C. D. and Clark, A. M. 1982. High-performance liquid chromatographic analysis of the metabolism of primaquine and the identification of a new mammalian metabolite. J. Chromatog. 230(1):69-77.
- Banyal, H. S. and Fitch, C. D. 1982. Ferritinoporphyrin IX binding substances and the mode of action of chloroquine against malaria. Life Sciences 31(11):1141-1144.
- Bergqvist, Y. and Olin, A. 1982. Extractive and chromatographic behaviour of chloroquine and some related 4-aminoquinoline derivatives. Acta Pharmaceutica Suecica 19(3):161-174.
- Bruce-Chwatt, L. J. 1982. Chemoprophylaxis of malaria in Africa: the spent "magic bullet". Brit. Med. J. 285(6343):674-676.
- Catino, D. and Catino, J. S. 1982. Malaria prophylaxis among American travelers. J. Amer. Med. Assoc. 248(17):2111-2112.
- Chevli, R. and Fitch, C. D. 1982. The antimalarial drug mefloquine binds to membrane phospholipids. Antimicrob. Agents and Chemother. 21(4):581-586.
- Cosgriff, T. M. and Coauthors. 1982. Evaluation of the antimalarial activity of the phenanthrenemethanol halofantrine (WR 171,669). Amer. J. Trop. Med. and Hyg. 31(6):1075-1079.
- Dann, O. and Coauthors. 1982. Antimalarial 6-aminoquinolines. XV. 6- and 4-aminoquinolines with tertiary basic alkylated amino-group. Arzneimittel-Forsch. 32-2(10):1219-1223. In Ger., Engl. Sum.
- Danpure, C. J. 1981. The effect of chloroquine on the metabolism of [^{35}S] cystine in normal and cystinotic human skin fibroblasts. Biochem. J. 200(3):555-563.
- Das, S. and Coauthors. 1981. Pyrimethamine in combination with sulfadoxine or sulfalene in *P. falciparum* infected cases in India. Indian J. Malariaol. 18(2):109-116.
- Delplace, M. P. and Poletti, J. 1981. Hémianopsie bitemporale et intoxication par la quinine et les antipaludéens de synthèse. Bul. Soc. Ophtalmol. France 81(120):1229, Engl. Sum.
- Fogel, R., Sharp, G. W. G. and Donowitz, M. 1982. Chloroquine stimulates absorption and inhibits secretion of ileal water and electrolytes. Amer. J. Physiol. 243(2):G117-G125.
- Gajanana, A. and Coauthors. 1982. An *in vitro* microtechnique for testing antimalarials—use of cultured *Plasmodium falciparum* parasites. Indian J. Med. Res. 75(June):802-807.
- Gajanana, A., Sinha, S. and Rai Chowdhuri, A. N. 1982. Micro *in vitro* chloroquine sensitivity test for *Plasmodium falciparum* without the use of candle jar. Indian J. Med. Res. 76(July):195-198.
- Ghosh, R. B. and Coauthors. 1981. Sensitivity status of *P. falciparum* to chloroquine in some parts of Andhra Pradesh and Madhya Pradesh, India. Indian J. Malariaol. 18(2):119-123.
- Grundmann, M., Rihova, D., Lukasova, D. and Vrublovsky, P. 1982. Tissue distribution of chloroquine and hydroxychloroquine in rats. Acta Univ. Palacki. Olomucensis Fac. Medicinae 102:99-105. [Hydroxychloroquine in original.]
- Gudadhe, P. P., Chaudhari, D. T. and Renapurkar, D. M. 1981. New antimalarials: synthesis and study of 4,6-diamino-1,2-dihydro-1-(Haloalkoxyphenyl)-2,2-dialkyl (or aryl)-s-triazines as possible antimalarial agents-I. Indian J. Malariaol. 18(2):73-79.
- Hall, A. P. 1982. Dexamethasone deleterious in cerebral malaria. Brit. Med. J. 284(6329):1588.
- Harder, A. and Debuch, H. 1982. Effect of chloroquine treatment on the different phospholipid species of rat liver lysosomes. Hoppe-Seyler's Z. Physiol. Chem. 363(7):717-723.
- Howells, R. E. 1982. Advances in chemotherapy. Brit. Med. Bul. 38(2):193-199.
- Hutchinson, D. B. A. and Farquhar, J. A. 1982. Trimethoprim-sulfamethoxazole in the treatment of malaria, toxoplasmosis, and pediculosis. Reviews Infect. Dis. 4(2):419-425.
- Jiang, J. B., Guo, X. B., Li, G. Q. and Kong, Y. C. 1982. Antimalarial activity of mefloquine and qinghaosu. Lancet 8293:285-288.
- Kayawake, S., Narbaitz, R. and Kako, K. J. 1982. Effects of chloroquine and Nifedipine on the phospholipid content and enzyme activity in the subcellular fraction of ischemic rat liver. Basic Res. Cardiol. 77(2):140-157.
- Keittivuti, B., Keittivuti, A. and Panichacheewakul, P. 1982. Susceptibility of *in vitro* cultured *Plasmodium falciparum* to chloroquine and combinations of sulfadoxine and pyrimethamine. Internat. J. for Parasitol. 12(5):383-387.
- Kelman, S. N., Sullivan, S. G. and Stern, A. 1982. Primaquine-mediated oxidative metabolism in the human red cell. Lack of dependence on oxyhemoglobin, H_2O_2 formation, or glutathione turnover. Biochem. Pharmacol. 31(14):2409-2414.
- Lamont, G. and Darlow, B. 1982. Comparison of *in vitro* pyrimethamine assays and *in vivo* response to sulphadoxine-pyrimethamine in *Plasmodium falciparum* from Papua New Guinea. Trans. Roy. Soc. Trop. Med. and Hyg. 76(6):797-799.

- LaMontagne, M. P., Blumbergs, P. and Strube, R. E. 1982. Antimalarials. 14. 5-(aryloxy) methylprimaquine analogues. A highly effective series of blood and tissue schizonticidal agents. *J. Medicinal Chem.* 25(9): 1094-1097. [*Plasmodium berghei* and *cynomologi*.]
- Leake, D. S. and Peters, T. J. 1982. Lipid accumulation in arterial smooth muscle cells in culture. *Atherosclerosis* 44(3):275-291. [Chloroquine used.]
- Lee, K. C., Wong, M. and Spitzer, D. 1982. Chloroquine as a probe for antigen processing by accessory cells. *Transplantation* 34(3):150-153.
- Lot, T. Y. and Bennett, T. 1982. The effects of chronic chloroquine administration in growing chicks. *Med. Biol. (Finland)* 60(4):210-216.
- Lüllmann-Rauch, R. and Stoermer, B. 1982. Generalized lipidosis in newborn rats and guinea pigs induced during prenatal development by administration of amphiphilic drugs to pregnant animals. *Virchows Arch. B (Cell Pathol.)* 39(1):59-73. [Chloroquine.]
- Machado Melo, J. E. 1981. Tratamento de malária com uma associação de três drogas na Ilha de São Luís, Maranhão, Brasil. *Rev. Brasil. de Malariol.* 33:75-85. Engl. Sum.
- McElnay, J. C., Mukhtar, H. A., D'Arcy, P. F. and Temple, D. J. 1982. *In vitro* experiments on chloroquine and pyrimethamine absorption in the presence of antacid constituents or kaolin. *J. Trop. Med. and Hyg.* 85(4):153-158.
- Neblock, D. S. and Berg, R. A. 1982. Lysosomotropic agents ammonium chloride and chloroquine inhibit both the synthesis and secretion of procollagen by freshly isolated embryonic chick tendon cells. *Biochem. and Biophys. Res. Commun.* 105(3):902-908.
- Nodiff, E. A., Tanabe, K., Chen, E. H. and Saggiomo, A. J. 1982. Modifications of primaquine as antimalarials. 3. 5-phenoxy derivatives of primaquine. *J. Medicinal Chem.* 25(9):1097-1101.
- Octave, J. N. and Coauthors. 1982. Transferrin uptake by cultured rat embryo fibroblasts. The influence of lysosomotropic agents, iron chelators and colchicine on the uptake of iron and transferrin. *Eur. J. Biochem.* 123(2):235-240.
- Olansky, A. J. 1982. Antimalarials and ophthalmologic safety. *J. Amer. Acad. Dermatol.* 6(1):19-23.
- Onori, E. 1982. Chemoprophylaxis of malaria in Africa. *Brit. Med. J.* 285(6349):1202. [See additional notes on this subject by D. G. McLarty and A. A. Poltera following Onori.]
- Pakalapati, G. and Debuch, H. 1982. Studies on the liberation of fatty acids from 2-lysophosphatidylcholine by a liver lysosomal enzyme activity from chloroquine-treated rats. *Hoppe-Seyler's Z. Physiol. Chem.* 363(6):573-580.
- Payne, D. 1982. Practical aspects of the *in vivo* testing for sensitivity of human *Plasmodium* spp. to antimalarials. WHO/MAL/82.988, 24 pp.
- Raether, W. and Fink, E. 1982. Antimalarial activity of floxacrine (HOE 991) II: Studies on causal prophylactic and blood schizonticidal action of floxacrine and related dihydroacridinediones against *Plasmodium yoelii* and *P. berghei*. *Ann. Trop. Med. and Parasitol.* 76(5):507-516.
- Raina, V. K., Roy, R. G. and Pattanayak, S. 1981. A note on chloroquine sensitivity in *P. falciparum* in Sonepat District (Haryana). *J. Commun. Dis.* 13(4):288-289.
- Rastogi, K. C. and Coauthors. 1981. Pyrimethamine in combination with sulfadoxine or sulfalene in vivax malaria in India. *Indian J. Malariol.* 18(2):63-66.
- Reilly, Q. 1982. No danger from primaquine. *Med. J. Australia* 2(1):12-13.
- Scheibel, L. W. and Adler, A. 1982. Antimalarial activity of selected aromatic chelators. III. 8-hydroxyquinoxines (oxines) substituted in positions 5 and 7, and oxines annelated in position 5, 6 by an aromatic ring. *Molecular Pharmacol.* 22(1):140-144.
- Schwartz, I. K. and Campbell, C. C. 1982. Indications for the use of Fansidar in malaria. *New England J. Med.* 307(3):194.
- Singh, R. P. N. and Sinha, A. K. N. 1981. Neuropsychiatric toxicity of chloroquine. *J. Indian Med. Assoc.* 77(8):133-134.
- Spencer, H. C. 1982. Chloroquine-associated pruritus in a European. *Brit. Med. J.* 285(6356):1703-1704.
- Stockwell, J. R. 1982. Aeromedical considerations of malaria prophylaxis with mefloquine hydrochloride. *Aviat. Space and Environmtl. Med.* 53(10):1011-1013.
- Sweeney, T. R. 1981. The present status of malaria chemotherapy: mefloquine, a novel antimalarial. *Med. Res. Reviews* 1(3):281-301.
- Trojan, H. J. 1982. Augenschäden bei Langzeitprophylaxe der Malaria mit Chloroquin. *Klin. Monatsbl. f. Augenheilkunde* 180(3):232-236. Engl. Sum.
- Van Jaarsveld, P. P., Lippoldt, R. E., Nandi, P. K. and Edelboch, H. 1982. Effects of several antimalarials and phenothiazine compounds on the formation of coat structure from clathrin. *Biochem. Pharmacol.* 31(5):793-798.
- Webster, H. K. and Whaun, J. M. 1982. Antimalarial properties of bredinin. Prediction based on identification of differences in human host-parasite purine metabolism. *J. Clin. Investig.* 70(2):461-469.
- White, N. J. and Coauthors. 1982. Quinine pharmacokinetics and toxicity in cerebral and uncomplicated falciparum malaria. *Amer. J. Med.* 73(4):564-571.
- Malaria—Antimalarials—Resistance*
- Dixon, K. E. and Coauthors. 1982. A comparative trial of Mefloquine and Fansidar in the treatment of falciparum malaria: failure of Fansidar. *Trans. Roy. Soc. Trop. Med. and Hyg.* 76(5):664-667.
- Eichenlaub, D., Rogler, G., Hoffmann, H. G. and Weise, H. J. 1982. Falciparum malaria despite pyrimethamine/sulfadoxine prophylaxis in five tourists to East Africa. *Lancet* 8306:1041-1042.
- Ferraroni, J. J. and Speer, C. A. 1982. Adoptive transfer of resistance to *Plasmodium berghei* with

- spleen cells and serum from Fansidar-cured mice. Infect. and Immunity 36(3):1109-1114.
- Kihamia, C. M. and Gill, H. S. 1982. Chloroquine-resistant falciparum malaria in semi-immune native African Tanzanians. Lancet 8288:43.
- Le Bras, J., Deloron, P. and Charmot, G. 1983. Dichlorquinazine (A 4-aminoquinoline) effective in vitro against chloroquine-resistant *Plasmodium falciparum*. Lancet 8314/5:73-74.
- Nieuwoldt, R. W., Halkett, J. A. and Spracklen, F. H. N. 1982. Drug-resistant malaria in Africa. A case report and review of the problem and treatment. South Afr. Med. J. 62(6):173-175.
- Nushtaev, D. A., Soprunov, F. F. and Grinberg, L. N. 1982. Biochemical method for determination of *P. berghei* resistance to chloroquine in vitro. Med. Parazit. i Parazit. Bolezni 50(6):26-29. In Rus., Engl. Sum.
- Peters, W. 1982. Antimalarial drug resistance: an increasing problem. Brit. Med. Bul. 38(2):187-192.
- Puri, S. K., Kazim, M. and Dutta, G. P. 1982. Loss of infectivity for Swiss mice of a mefloquine-resistant strain of *Plasmodium berghei*. Trans. Roy. Soc. Trop. Med. and Hyg. 76(5):650-651.
- Raman, G. and Coauthors. 1981. Further studies on chloroquine resistance in *P. falciparum* in Karnataka State India. Indian J. Malariol. 18(2):126-128.
- Reyes, S. 1981. Infecções malaricas por *Plasmodium falciparum* resistente ao tratamento com cloroquina. Situação no Brasil (1960-1981). Rev. Brasil. de Malariol. 33:109-130. Engl. Sum.
- Smrkowski, L. L. and Coauthors. 1982. In vitro mefloquine resistant *Plasmodium falciparum* from the Philippines. Lancet 8293:322.
- Stevenson, M. M., Lyanga, J. J. and Skamene, E. 1982. Murine malaria: genetic control of resistance to *Plasmodium chabaudi*. Infect. and Immunity 38(1):80-88.
- Malaria—Transfusion*
- Bruce-Chwatt, L. J. 1982. Transfusion malaria revisited. Trop. Dis. Bul. 79(10):827-840.
- Richaud, J. and Coauthors. 1982. Post-transfusion malaria in a 2 month-old infant. Arch. Fr. Pédiatrie 39(3):161-163. In Fr., Engl. Sum.

EXPERIMENTAL HOSTS OR VECTORS

- Gillies, S. and Stollar, V. 1982. Protein synthesis in lysates of *Aedes albopictus* cells infected with vesicular stomatitis virus. Molecul. and Cellular Biol. 2(10):1174-1186.
- Kostyukov, M. A., Bulychev, V. P. and Lapina, T. F. 1982. Experimental infection of *Aedes caspius caspius* Pall. mosquitoes on *Vespertilio pipistrellus* bats infected with Issyk-Kul virus followed by virus

transmission to susceptible animals. Med. Parazit. i Parazit. Bolezni 50(6):78-79. In Rus.

Padbidri, V. S., Mourya, D. T. and Dhandha, V. 1982. Multiplication of *Coxiella burnetii* in *Aedes aegypti*. Indian J. Med. Res. 76(July):185-189.

ALLERGIC REACTIONS

- Dolovich, J., Kwee, Y. N. and Greenbaum, J. 1982. Reactions to mosquito and blackfly bites. Canad. Med. Assoc. J. 126(10):1147.

LITERATURE REFERENCES AND REVIEWS

- Sollers-Riedel, H. 1982. Literature references to mosquitoes and mosquito-borne diseases. 1982—Part IV. Mosquito News 42(4):628-649.

BIOGRAPHY AND HISTORY

- Indian Journal of Malariaology. 1981. Prof. R. N. Chaudhuri (1.2.1901-6.8.1981) Indian J. Malariai. 18(2):129-130.
- Laveran, C. L. A. 1982. A newly discovered parasite in the blood of patients suffering from malaria. Parasitic etiology of attacks of malaria. Reviews Infect. Dis. 4(4):908-911. [Laveran 1845-1922.]

SUBJECTS NOT COVERED BY OTHER HEADINGS

- Graham, J. E. 1982. Consultants in international medical entomology. Mosquito News 42(4):502-505.
- Rappaport, A. H. 1982. Address of the president. Proc. N.J. Mosquito Cont. Assoc. 69:6.

BOOKLETS AND REPORTS

- Proceedings Sixty-Ninth Annual Meeting New Jersey Mosquito Control Association, Inc. 1982. 143 pp. [See various sections for citations to articles.]

BOOKS

- Burges, H. D. (Editor). 1981. Microbial control of pests and plant diseases 1970-1980. 914 pp., London. Academic Press.
- Houba, V. 1980. Immunological investigation of tropical parasitic diseases. 170 pp., Edinburgh. Churchill Livingstone. [Malaria and filariasis included.]