

LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1980—Part II

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ADULTICIDES, LARVICIDES AND OVICIDES

- Axtell, R. C., Rutz, D. A. and Edwards, T. D. 1980. Field tests of insecticides and insect growth regulators for the control of *Culex quinquefasciatus* in anaerobic animal waste lagoons. Mosquito News 40(1):36-42.
- Fultz, T. O., Jr. and Carter, J. H. 1980. A special local need registration for ground-applied malathion ULV concentrate at twenty miles per hour. Mosquito News 40(1):112-113.
- Hii, J. L. K. 1979. Entomological evaluation of sumithion, DDT and malathion for the control of *Anopheles balabacensis balabacensis* Baisas in Kuala Penyu district, Sabah, Malaysia. Jap. J. Sanit. Zool. 30(4):319-328. Jap. Sum.
- Levy, R., Garrett, W. D., Chizzonite, J. J. and Miller, T. W., Jr. 1980. Control of *Culex* spp. mosquitoes in sewage treatment systems of southwestern Florida with monomolecular organic surface films. Mosquito News 40(1):27-35.
- Mallipudi, N. M. and Fukuto, T. R. 1979. Toxicity of N-sulfenylated derivatives of insecticidal methylcarbamate esters to the honeybee. J. Agr. and Food Chem. 27(2):261-265. [*Culex quinquefasciatus* included.]
- Metcalf, R. L. 1980. Changing role of insecticides in crop protection. Ann. Rev. Ent. 15:219-256. [Mosquitoes included.]
- Mount, G. A. 1979. IX. Ultra-low-volume application of insecticides. A guide for vector control programmes. WHO/VBC/79.734, 15 pp.
- Mulla, M. S., Darwazeh, H. A. and Dhillon, M. S. 1980. New pyrethroids as mosquito larvicides and their effects on nontarget organisms. Mosquito News 40(1):6-12.
- Novák, D. 1979. Mixture of mucilaginous seeds for mosquito larvae control. Biológia (Bratislava) 34(12): 983-985. In Engl.
- Pimprikar, G. D., Norment, B. R. and Heitz, J. R. 1979. Toxicity of rose bengal to various instars of *Culex pipiens quinquefasciatus* and *Aedes triseriatus*. Environmtl. Ent. 8(5):856-859.
- Priester, T. M. and Georghiou, G. P. 1980. Penetration of permethrin and knockdown in larvae of pyrethroid-resistant and -susceptible strains of the southern house mosquito. J. Econ. Ent. 73(1):165-167.
- Rageau, J. and Delaveau, P. 1979. Toxic effects of vegetable extracts on mosquito larvae. Soc. de Path. Exot. Bul. 72(2):168-171. In Fr., Engl. Sum.
- Roberts, R. H. and Coauthors. 1980. Effectiveness of nine pyrethroids against *Anopheles quadrimaculatus* Say and *Psorophora columbiæ* (Dyar and Knab) in Arkansas. Mosquito News 40(1):43-46.
- Supalin, — and Coauthors. 1979. A village-scale trial of pirimiphos-methyl (OMS-1424) emulsifiable concentrate at the reduced dosage of 1 g/m² for control of the malaria vector *Anopheles aconitus* in central Java, Indonesia. WHO/VBC/79.752, 10 pp.
- Thevasagayam, E. S., Siong, Y. and Philip, G. 1979. Temephos (Abate) as a replacement larvicide for oil for the control of *Anopheles maculatus*, the main vector of malaria in peninsular Malaysia. WHO/VBC/79.723 Corr. 1, WHO/MAL/79.908, 2 pp.

GROWTH REGULATORS

- Rathburn, C. B., Jr., Boike, A. H., Jr., Hallmon, C. F. and Cotterman, S. G. 1980. Small plot field tests of methoprene for the control of asynchronous broods of *Culex nigripalpus* Theob. in Florida. Mosquito News 40(1):19-23.
- See also Axtell in Adulticides, Larvicides and Ovicides Section.

MOSQUITO CONTROL AGENCY PROBLEMS

- Goette, M., Toohay, K. and Pillai, J. S. 1978. An approach to *Aedes aegypti* control in Fiji by environmental sanitation. South Pacific

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- Commission Dengue Newsletter No. 6:10-11.
- Wilder, W. H. and Takahashi, R. M. 1980. Effect of pasture burning on survival of *Aedes* mosquito eggs. Mosquito News 40(1):12-15.
- PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS**
- Andreadis, T. G. and Hall, D. W. 1979. Significance of transovarial infections of *Amblyospora* sp. (Microspora: Thelohaniidae) in relation to parasite maintenance in the mosquito *Culex salinarius*. J. Invert. Path. 34(2):152-157.
- Bai, M. G., Das, P. K., Gajanana, A. and Rajagopalan, P. K. 1979. Host-parasite relationship of *Nosema algerae*, a parasite of mosquitoes. Indian J. Med. Res. 70(Oct.): 620-624.
- Balaraman, K., Rao, U.S.B. and Rajagopalan, P. K. 1979. Bacterial pathogens of mosquito larvae—*Bacillus alvei* (Cheshire and Cheyne) and *Bacillus brevis* (Migula)—isolated in Pondicherry. Indian J. Med. Res. 70(Oct.): 615-619.
- Balaraman, K., Bheema Rao, U. S. and Rajagopalan, P. K. 1979. Isolation of *Metarrhizium anisopliae*, *Beauveria tenella* and *Fusarium oxysporum* (Deuteromycetes) and their pathogenicity to *Culex fatigans* and *Anopheles stephensi*. Indian J. Med. Res. 70(Nov.): 718-722.
- Case, T. J. and Washino, R. K. 1979. Flatworm control of mosquito larvae in rice fields. Science 206(4425):1412-1414.
- de Barjac, H. 1979. Note on the preparation of a reference formulation IPS-78 for the bioassay of experimental and industrial formulations of *Bacillus thuringiensis* serotype H-14. WHO/VBC/79.741, 6 pp.
- de Barjac, H. and Larget, I. 1979. Proposals for the adoption of a standardized bioassay method for the evaluation of insecticidal formulations derived from serotype H-14 of *Bacillus thuringiensis*. WHO/VBC/79.744, 7 pp., figs. and tables.
- Ellis, R. A. and Chapman, H. C. 1980. Meritidid parasites of Canadian anophelines. Mosquito News 40(1):115-116.
- Federici, B. A. and Thompson, S. N. 1979. Beta-Carotene in the gametophytic phase of *Coelomomyces dodgei*. Expt. Mycology 3(3):281-284.
- Focks, D. A., Dame, D. A., Cameron, A. L. and Boston, M. D. 1980. Predator-prey interaction between insular populations of *Toxorhynchites rutilus rutilus* and *Aedes aegypti*. Environmtl. Ent. 9(1):37-42.
- Gajanana, A., Tewari, S. C., Reuben, R. and Rajagopalan, P. K. 1979. Partial suppression of malaria parasites in *Aedes aegypti* and *Anopheles stephensi* doubly infected with *Nosema algerae* and *Plasmodium*. Indian J. Med. Res. 70(Sept.):417-423.
- Garushkina, L. A., Makarova, G. Ya. and Chagin, K. P. 1980. The effect of phytobacteriomicin and its ingredient streptotrichines on *Culex pipiens molestus* Forsk, mosquito larvae and on phytopathogenic bacteria. Med. Parazit. i Parazit. Bolezni 49(1):52-55. In Rus., Engl. Sum.
- Gordon, S. W. and Peterson, E. D. 1980. Occurrence of *Toxorhynchites rutilus septentrionalis* in tires in Ohio. Mosquito News 40(1):107-109.
- Hazard, E. I., Andreadis, T. G., Joslyn, D. J. and Ellis, E. A. 1979. Meiosis and its implications in the life cycles of *Amblyospora* and *Parathelohania* (Micropsora). J. Parasitol. 65(1):117-122.
- Hembree, S. C., Meisch, M. V. and Williams, D. 1980. Field test of *Bacillus thuringiensis* var. *israelensis* against *Psorophora columbiae* larvae in small rice plots. Mosquito News 40(1):67-70.
- Kelly, J. F. and Anthony, D. W. 1979. Susceptibility of spores of the microsporidian *Nosema algerae* to sunlight and germicidal ultraviolet radiation. J. Invert. Path. 34(2):164-169.
- Khadzheva, T. M. and Gulii, V. V. 1977. Microsporidia *Thelohania opacita* Kudo and methamorphosis of the mass mosquito species. Izvest. Sibirsk. Otdel. Akad. Nauk SSSR Ser. Biol. No. 10:109-112. In Rus., Engl. Sum.
- Maruashvili, G. M. 1980. History of gambusia fish importation to the USSR (on the occasion of the centenary of N. P. Rukhadze's birthday). Med. Parazit. i Parazit. Bolezni 49(1):80-82. In Rus., Engl. Sum.
- McCorkle, F. M., Chambers, J. E. and Yarbrough, J. D. 1979. Tolerance of low oxygen stress in insecticide-resistant and susceptible populations of mosquitofish (*Gambusia affinis*). Life Sciences 25(17):1513-1518.
- Myers, P., Yousten, A. A. and Davidson, E. W. 1979. Comparative studies of the mosquito-larval toxin of *Bacillus sphaericus* SSII-1 and 1593. Canad. J. Microbiol. 25(11):1227-1231.

- Olejnicek, J. 1980. Species of the family Dolichopodidae as enemies of mosquito and blackfly larvae and adults. *Folia Parasitol.* 27(1):75-76.
- Panbangred, W., Pantuwatana, S. and Bhumiratana, A. 1979. Toxicity of *Bacillus thuringiensis* toward *Aedes aegypti* larvae. *J. Invert. Path.* 33(3):340-347.
- Poinar, G. O., Jr., Hess, R. T. and Petersen, J. J. 1979. Immune responses of mosquitoes against *Romanomermis culicivorax* (Mermithida: Nematoda). *J. Nematol.* 11(1):110-116.
- Shcherban, Z. P. and Shcherbak, V. P. 1977. A new parasite of the larvae of bloodsucking mosquitoes from Uzbekistan. *Uzbek. Biol. Zhur.* 5:61-63. In Rus. [*Culex pipiens* and *Coelomomyces iliensis culicis*.]
- Sinègre, G., Gaven, B. and Jullien, J. L. 1979. Essais de titrage de deux poudres primaires expérimentales du serotype H. 14 de *Bacillus thuringiensis* par comparaison avec la formulation de référence IPS. 78 en employant des larves de *Culex pipiens* et d'*Aedes caspius*. WHO/VBC/79.745, 18 pp.
- Sinègre, G., Gaven, B., Jullien, J. L. and Crespo, O. 1979. Activité du serotype H-14 de *Bacillus thuringiensis* vis-a-vis des principales espèces de moustiques anthropophiles du littoral Méditerranéen Français. WHO/VBC/79.743, 7 pp.
- Sinègre, G., Vigo, G., Gaven, B. and Jullien, J. L. 1979. Activité larvicide immédiate et action remanente de l'endotoxine du serotype H. 14 de *Bacillus thuringiensis* dans deux biotopes à moustiques du littoral Méditerranéen Français—efficacité comparée de sept formulations expérimentales dérivées d'une même poudre primaire. WHO/VBC/79.747, 7 pp.
- Sneller, V. P. 1979. Inhibition of *Dirofilaria immitis* in gregarine-infected *Aedes aegypti*: preliminary observations. *J. Invert. Path.* 34(1):62-70.
- Stiles, B. and Paschke, J. D. 1980. Midgut pH in different instars of three *Aedes* mosquito species and the relation between pH and susceptibility of larvae to a nuclear polyhedrosis virus. *J. Invert. Path.* 35(1):58-64.
- Teetor-Barsch, G. E. and Kramer, J. P. 1979. The preservation of infective spores of *Octosporea muscaedomesticae* in *Phormia regina*, of *Nosema algerae* in *Anopheles stephensi*, and of *Nosema whitei* in *Tribolium castaneum* by lyophilization. *J. Invert. Path.* 33(3):300-306.
- Tyrell, D. J., Davidson, L. I., Bulla, L. A., Jr. and Ramoska, W. A. 1979. Toxicity of parasporal crystals of *Bacillus thuringiensis* subsp. *israelensis* to mosquitoes. *Appl. Environmtl. and Microbiol.* 38(4):656-658.
- Willis, O. R., Chapman, H. C. and Petersen, J. J. 1980. Additional field testing of the mermithid parasite *Romanomermis culicivorax* against *Anopheles albimanus* in El Salvador. *Mosquito News* 40(1):71-73.
- Wong, T. L. and Pillai, J. S. 1978. *Coelomomyces opifexi* Pillai and Smith (Coelomomycetaceae: Blastocladiales). IV. Host range and relative susceptibility of *Aedes australis* and *Opifex fuscus* larvae. *New Zeal. J. Zool.* 5(4):807-810.
- World Health Organization. 1979. Data sheet on the biological control agent *Lagenidium giganteum* (Couch 1935). WHO/VBC/79.753, VBC/BCDS/79.02, 6 pp.
- World Health Organization. 1979. Data sheet on the biological control agent *Bacillus thuringiensis* serotype H-14 (de Barjac 1978). WHO/VBC/79.750, VBC/BCDS/79.01, 13 pp.
- Zaim, M., Baker, K. K. and Newson, H. D. 1979. Natural infection of the tree hole breeding mosquito *Aedes triseriatus* (Diptera: Culicidae) with the fungus *Funicularius triseriatus*. *J. Invert. Path.* 34(2):199-202.
- Zalom, F. G. and Grigarick, A. A. 1980. Predation by *Hydrophilus triangularis* and *Tropisternus lateralis* in California rice fields. *Ent. Soc. Amer. Ann.* 73(2):167-171. [*Aedes melanimon* and *Culex tarsalis* included.]

EQUIPMENT

Arnold, A. C. and Thornhill, E. W. 1979. The evaluation of a knapsack U.L.V. aerosol generator. *Pest Articles and News Summary* 25(4):444-447.

ATTRACTANTS AND REPELLENTS

Helson, B. V. and Wright, R. E. 1977. Field evaluation of electronic mosquito-repellers in Ontario. *Ent. Soc. Ontario Proc.* 108:59-61.

Kelkar, V. V., Pandya, A. P. and Metha, N. R. 1979. Biting activity by *Aedes aegypti* mosquitoes in guinea-pigs. An experimental model for screening the effect of some systematically administered compounds. *Trop. and Geog. Med.* 31(3):415-419. [*aegypti* in original.]

- Kramer, W. L. and Mulla, M. S. 1979. Oviposition attractants and repellents of mosquitoes: oviposition responses of *Culex* mosquitoes to organic infusions. Environmtl. Ent. 8(6):1111-1117.
- Reuben, R. and Panicker, K. N. 1979. A study of human behaviour influencing man-mosquito contact, and of mosquito biting activity on children in a south Indian village community. Indian J. Med. Res. 70(Nov.):723-732.
- Sazonova, E. V. and Coauthors. 1980. Results of field trials of the repellent aerosol rebephthale. Med. Parazit. i Parazit. Bolezni 49(1):76-79. In Rus., Engl. Sum. [*Aedes* spp. included.]
- Yurchenko, V. V. and Gleberman, S. E. 1980. Investigation of results of the use of repellents. Communication III. Investigation of the mutagenic properties of dimethylphthalate and N,N-diethylamide of phenoxyacetic acid by the method of dominant lethal mutations. Med. Parazit. i Parazit. Bolezni 49(1):58-61. In Rus., Engl. Sum.
- Abu-El-Haj, S., Fahmy, M. A. H. and Fukuto, T. R. 1979. Insecticidal activity of 1,1,1-trichloro-2,2-bis(*p*-chlorophenyl)ethane (DDT) analogues. J. Agr. and Food Chem. 27(2):258-261. [Mosquitoes included.]
- Freed, V. H., Schmedding, D., Kohnert, R. and Hague, R. 1979. Physical chemical properties of several organophosphates: some implication in environmental and biological behavior. Pesticide Biochem. and Physiol. 10(2):203-211.
- McGrew, J. L., Baker, S. A. and Horlick, G. 1980. RPAP: what it is and how it works. Part II. Pest Control 48(2):26-27, 63.
- McGrew, J. L., Baker, S. A. and Horlick, G. 1980. RPAP: what it is and how it works. Part III. Pest Control 48(3):20, 22.
- Pest Control. 1980. 1980 buyers' guide. Pest Control 48(3):26-40, 45-60, in passim.

RESISTANCE AND SUSCEPTIBILITY

- Betzios, B. Ch. 1977. Development of resistance to dieldrin in a laboratory colony of the mosquito *Culex pipiens molestus* Forsk. Inst. Phytopath. Ann. (Benaki) 11(4):284-301.
- Das, P. K. and Rajagopalan, P. K. 1979. Susceptibility of larvae of *Culex fatigans* (Wiedemann), *Anopheles stephensi* (Liston) and *Aedes aegypti* (Linn.) to insecticides in Pondicherry. Indian J. Med. Res. 70(Sept.):412-416.
- Drobolina, V. P. and Bondareva, N. I. 1980. The biting activity of DDT-resistant *Anopheles labranchiae atroparvus* Thiel after contact with this insecticide. Med. Parazit. i Parazit. Bolezni 49(1):9-12. In Rus., Engl. Sum.
- Grácio, A. J. S. 1978. Determinação da sensibilidade ao DDT de anofelíneos adultos—*Anopheles (Cellia) gambiae* s.l. Giles, 1902—em Luanda-Angola. Inst. Hig. e Med. Trop. An. (Lisbon) 5(1-4):367-370. Engl. Sum.
- Rechkalova, N. I. 1980. Annual and seasonal changes in the level of sensitivity to DDT of the main malaria vector, *Anopheles sacharovi* (Favre), in the Azerbaijan SSR. Med. Parazit. i Parazit. Bolezni 49(1):12-15. In Rus., Engl. Sum.
- Roy, R. G. and Samson, F. 1979. Results of insecticide susceptibility tests with *Culex gelidus* in Bangalore city. Indian J. Med. Res. 70(Nov.):715-717.
- PESTICIDES AND CHEMICALS
- TOXICOLOGY
- Berry, W. O. and Fisher, J. W. 1979. Transfer of ¹⁴C-toluene from mosquito larvae to bluegill sunfish. Bul. Environmtl. Contam. and Toxicol. 23(6):733-736.
- BEHAVIOR, BIOLOGY AND ECOLOGY
- Basio, R. G., Chang, M. S., Gajudo, C. E. and Menon, K. V. 1976. Notes on the swarming and mating of *Aedes albopictus* (Skuse) in West Malaysia. Philippine Ent. 3(3-4):241-245.
- Basio, R. G., Chang, M. S., Gajudo, C. E. and Menon, K. V. 1978. Notes on preferred landing/biting sites of *Aedes albopictus* (Skuse) in West Malaysia. Malayan Nature J. 32(2):217-222.
- Bildingmayer, W. L. and Hem, D. G. 1979. Mosquito (Diptera: Culicidae) flight behaviour near conspicuous objects. Bul. Ent. Res. 69(4):691-700.
- Birley, M. H. 1979. The estimation and simulation of variable developmental period, with application to the mosquito *Aedes aegypti* (L.). Res. on Population Ecol. 21(1):68-80.
- Bradshaw, W. E. 1980. Blood-feeding and capacity for increase in the pitcher-plant mosquito, *Wyeomyia smithii*. Environmtl. Ent. 9(1):86-89.

- Bransby-Williams, W. R. 1979. House catches of adult *Anopheles gambiae* species B in two areas of Zambia. East Afr. Med. J. 56(11):557-561.
- Chandrasas, R. K., Arunachalam, N., Panicker, K. N. and Rajagopalan, P. K. 1979. Density measurements of *Anopheles culicifacies* (Giles) during malaria transmission season in Pattukkottai, Thanjavur district, Tamil Nadu. Indian J. Med. Res. 70(Sept.):429-434.
- Clarke, J. L., Pradhan, G. D., Joshi, G. P. and Fontaine, R. E. 1980. Assessment of the grain store as an unbaited outdoor shelter for mosquitoes of the *Anopheles gambiae* complex and *Anopheles funestus* (Diptera: Culicidae) at Kisumu, Kenya. J. Med. Ent. 17(1):100-102.
- Crosby, T. K. 1978. A record of *Culiseta tonnoiri* (Diptera: Culicidae) biting the penguin *Eudyptes pachyrhynchus* (Aves: Spheniscidae). New Zeal. J. Zool. 5(4):811-812.
- Danilov, V. N. 1980. Variability of siphon index in mosquito larvae of the subgenus *Neoculex* (Diptera, Culicidae) of the Palearctic fauna. Zool. Zhur. 59(2):234-238. In Rus., Engl. Sum.
- Das, P. K. and Rajagopalan, P. K. 1979. Laboratory studies on the biology of *Anopheles culicifacies* (Giles). Indian J. Med. Res. 70(Sept.):424-428.
- Hayes, J. and Downs, T. D. 1980. Seasonal changes in an isolated population of *Culex pipiens quinquefasciatus* (Diptera: Culicidae): a time series analysis. J. Med. Ent. 17(1):63-69.
- Jordan, R. G. 1980. Geographic differentiation in the development of *Aedes sierrensis* (Diptera: Culicidae) in nature. Canad. Ent. 112(2):205-210.
- Kay, B. H., Boreham, P. F. L. and Williams, G. M. 1979. Host preferences and feeding patterns of mosquitoes (Diptera: Culicidae) at Kowanyama, Cape York Peninsula, northern Queensland. Bul. Ent. Res. 69(3):441-457.
- Khalinin, G. L. 1980. Summer emergence of mosquito larvae of monocyclic species of the genus *Aedes*, groups *communis* and *cantans*. Med. Parazit. i Parazit. Bolezni 49(1):28-31. In Rus., Engl. Sum.
- Kulanin, V. L. 1980. On the emergence of *Culex pipiens molestus* Forsk. and *Culex pipiens pipiens* L. mosquitoes in basement floors of Samarkand. Med. Parazit. i Parazit. Bolezni 49(1):25-28. In Rus., Engl. Sum.
- Lounibos, L. P. 1979. Mosquitoes occurring in the axils of *Pandanus rabaiensis* Rendle on the Kenya coast. Ent. Méd. et Parasitol. Cah. 17(1):25-29. Fr. Sum.
- Magnarelli, L. A. 1979. Diurnal nectar-feeding of *Aedes cantator* and *A. sollicitans* (Diptera: Culicidae). Environmtl. Ent. 8(5):949-955.
- Mogi, M. 1979. Dispersal of *Culex tritaeniorhynchus* larvae (Diptera, Culicidae) by water currents in rice fields. Trop. Med. (Nagasaki) 21(3):115-126. Jap. Sum.
- Mosse, E. and Hartman, M. J. 1980. Autogeny in *Culex tarsalis* Coquillett (Diptera: Culicidae). Mosquito News 40(1):118-120.
- Nayar, J. K., Provost, M. W. and Hansen, C. W. 1980. Quantitative bionomics of *Culex nigripalpus* (Diptera: Culicidae) populations in Florida. 2. Distribution, dispersal and survival patterns. J. Med. Ent. 17(1):40-50.
- Oda, T. and Ueda, M. 1979. Seasonal changes in the oviposition activity of *Culex pipiens molestus* Forskal in the above-ground water. Trop. Med. (Nagasaki) 21(3):139-144. In Jap., Engl. Sum.
- Olson, J. K. and Meek, C. L. 1980. Variations in the egg horizons of *Psorophora columbiae* on levees in Texas ricelands. Mosquito News 40(1):55-66.
- Rahman, S. J., Wattal, B. L. and Bhatnagar, V. N. 1978. *Culex tritaeniorhynchus* Giles in village Arthal, Uttar Pradesh (India) and possible methods of its control. J. Ent. Res. 2(1):79-87.
- Shroyer, D. A. and Craig, G. B., Jr. 1980. Egg hatchability and diapause in *Aedes triseriatus* (Diptera: Culicidae): temperature- and photoperiod-induced latencies. Ent. Soc. Amer. Ann. 73(1):39-43.
- Shu, G. H. and Zhou, S. X. 1979. Preliminary observations on the habits of *Toxorhynchites (T.) gravelyi* Edwards, 1921. Acta Zootaxonomica 4(4):384. In Chin.
- Sinègre, G. 1979. La chute de la teneur en oxygène dissous à l'interface eau-sol des marais temporaires gouverne l'élosion des œufs quiescents de moustiques. Bul. Soc. Ecophysiol. 4(1):53-56.
- Snow, W. F. 1979. The vertical distribution of flying mosquitoes (Diptera: Culicidae) near an area of irrigated rice-fields in The Gambia. Bul. Ent. Res. 69(4):561-571.
- Tadzhieva, V. S. and Coauthors. 1980. Formation of focus of mass mosquito breeding in the Arnasay lowland of the Uzbek SSR. Communication II. The seasonal population density and some problems of biology and ecology of adult *Anopheles pulcherrimus* mosquitoes. Med. Parazit. i Parazit. Bolezni 49(1):3-9. In Rus., Engl. Sum.
- Tovornik, D. 1978. An atypical breeding place

- of the *Anopheles An. plumbeus* Stephens, 1828 in an unfinished house. Biol. Vestn., Ljubljana 26(1):41-46. In Yugosl., Engl. Sum.
- Watts, T. and Bransby-Williams, W. R. 1978. Do mosquitoes breed in maize plant axils? Med. J. Zambia 12(4):101-102.
- Wegner, E. 1979. Changes in the structure of mosquito (Diptera: Culicidae), communities in the Kampinos Forest for 40 years. Memorabilia Zool. (Warsaw) 30:131-144. Pol. Sum.
- White, D. J. and White, C. P. 1980. *Aedes atropalpus* breeding in artificial containers in Suffolk County, New York. Mosquito News 40(1):106-107.
- Yates, M. G. 1979. The biology of the tree-hole breeding mosquito, *Aedes geniculatus* (Olivier) (Diptera: Culicidae) in southern England. Bul. Ent. Res. 69(4):611-628.

GENETICS AND GENETIC CONTROL

- Ainsley, R. W., Asman, S. M. and Meyer, R. P. 1980. The optimal radiation dose for competitive males of *Culex tarsalis* (Diptera:Culicidae). J. Med. Ent. 17(2):122-125.
- Baker, R. H. and Sakai, R. K. 1979. Triploids and male determination in the mosquito, *Anopheles culicifacies*. J. Heredity 70(5):345-346.
- Barr, A. R. 1980. Cytoplasmic incompatibility in natural populations of a mosquito, *Culex pipiens* L. Nature (London) 283(5742):71-72.
- Bonaccorsi, S. and Coauthors. 1980. Intraspecific polymorphism of sex chromosome heterochromatin in two species of the *Anopheles gambiae* complex. Chromosoma (Berlin) 76(1):57-64.
- Chaudhry, S. 1979. The salivary gland chromosomes of *Anopheles ramsayi* and its relationship with *Anopheles stephensi* (Culicidae: Diptera). Cytologia 44(2):409-418.
- Cheng, M. L. and Hacker, C. S. 1979. The genetics of hexokinase in a mosquito, *Culex pipiens*. Genetics 92(3):903-913.
- Duhrkopf, R. E. and Young, S. S. Y. 1979. Some consequences of selection for fast and slow recovery from the larval alarm reaction in *Aedes aegypti*. Theoret. and Appl. Genetics 55(6):263-268.
- Irving-Bell, R. J. 1977. Cytoplasmic incompatibility and rickettsial symbiont surveys in members of the *Culex pipiens* complex of mosquitoes. In Advances in Invertebrate Reproduction (edited by Adiyodi, K. G. and Adiyodi, R. G.) pp. 36-48.
- Mento, S. J. and Stollar, V. 1979. alpha-amanitin resistant RNA polymerase II from *Aedes albopictus* cell mutants resistant to alpha-amanitin. Cell Biol. Internat. Rpts. 3(9):725-732.
- Milby, M. M., Nelson, R. L. and McDonald, P. T. 1980. Release of heterozygous translocated adult males for genetic control of *Culex tarsalis* at an isolated site. Mosquito News 40(1):83-90.
- Mittal, O. P. and Dev, V. 1978. Sex-limited asynapsis in salivary gland chromosomes of *Anopheles stephensi* Liston (Diptera: Culicidae). Chromosome Inform. Serv. No. 24:19-21.
- Munstermann, L. E. and Craig, G. B., Jr. 1979. Genetics of *Aedes aegypti*. Updating the linkage map. J. Heredity 70(5):291-296.
- Nelson, R. L. and Milby, M. M. 1980. Dispersal and survival of field and laboratory strains of *Culex tarsalis* (Diptera: Culicidae). J. Med. Ent. 17(2):146-150.
- Sakai, R. K. and Baker, R. H. 1980. Genetics of white eye in *Anopheles culicifacies*. Mosquito News 40(1):23-26.
- Sakai, R. K., Baker, R. H., Raana, K. and Hassan, M. 1979. Crossing-over in the long arm of the X and Y chromosomes in *Anopheles culicifacies*. Chromosoma (Berlin) 74(2):209-218.
- Seawright, J. A., Benedict, M. Q. and Suguna, S. G. 1979. Reduced palmate, a recessive mutant on chromosome 3 in the mosquito, *Anopheles albimanus*. J. Heredity 70(5):321-324.
- Skierska, B. 1979. The genetic differentiation of mosquitoes, and malaria. Wiad. Parazytol. 25(2):221-228. In Pol., Engl. Sum.
- Super, M. and van Schalkwyk, D. J. 1979. Heterozygote advantage in cystic fibrosis: mosquito tests. Clin. Genetics 16(2):65-68.
- Tadano, T., Mori, A. and Wada, Y. 1980. Inheritance of white-body and brown-eye in *Aedes albopictus*. Mosquito News 40(1):79-83.

ANATOMY, MORPHOLOGY AND PHYSIOLOGY

- Bianchi, U. and Coronjui, F. P. 1978. Extracellular glutathione in anopheline mosquitoes. Soc. Ital. di Biol. Speriment. Bol. 54(18):1740-1746. In Ital.
- Boo, K. S. 1980. Fine structure of the antennal sensory hairs in female *Anopheles stephensi*. Z. f. Parasitenkunde 61(2):161-171.
- Boo, K. S. 1980. Antennal sensory receptors of the male mosquito, *Anopheles stephensi*. Z. f. Parasitenkunde 61(3):249-264.

- Feinsod, F. M. and Spielman, A. 1980. Nutrient-mediated juvenile hormone secretion in mosquitoes. *J. Insect Physiol.* 26(2):113-117.
- Hagedorn, H. H., Shapiro, J. P. and Hanaoka, K. 1979. Ovarian ecdysone secretion is controlled by a brain hormone in an adult mosquito. *Nature (London)* 282(5734):92-94.
- Klowden, M. J. and Lea, A. O. 1979. Abdominal distention terminates subsequent host-seeking behaviour of *Aedes aegypti* following a blood meal. *J. Insect Physiol.* 25(7):583-585.
- Mack, S. R., Foley, D. A. and Vanderberg, J. P. 1979. Hemolymph volume of noninfected and *Plasmodium berghei*-infected *Anopheles stephensi*. *J. Invert. Path.* 34(2):105-109.
- Manning, D. L. 1978. Mouthparts of larvae of *Opifex fuscus* and *Aedes australis* (Diptera: Culicidae); a scanning electron microscope study. *New Zeal. J. Zool.* 5(4):801-806.
- Mason, G. F. 1980. A gynandromorph in *Anopheles gambiae*. *Mosquito News* 40(1):104-106.
- McIver, S. and Siemicki, R. 1980. Structure of the setae in the terminal abdominal tufts of adult *Toxorhynchites brevipalpis* (Diptera: Culicidae). *J. Med. Ent.* 17(1):51-53.
- Nijhout, H. F. and Sheffield, H. G. 1979. Antennal hair erection in male mosquitoes: a new mechanical effector in insects. *Science* 206(4418):595-596.
- Oemick, D. A. and Joyce, P. J. 1980. A gynandromorph of *Aedes vexans* in 1979. *Mosquito News* 40(1):109-110.
- Stein, P. J., Brammer, J. D. and Ostroy, S. E. 1979. Renewal of opsin in the photoreceptor cells of the mosquito. *J. General Physiol.* 74(5):565-582.
- Yeates, R. A. 1980. The mosquito *Aedes aegypti* (L.): evidence for three new proteinases. *Z. f. Parasitenkunde* 61(3):277-286.
- ### TECHNIQUES
- Adham, F. K. 1979. Studies on laboratory oviposition behaviour of *Aedes caspius* (Dipter, Culicidae). *Acta Ent. Bohemoslovaca* 76(2):99-103.
- Ameen, M. U. and Huda, K. M. N. 1976. Effect of high temperatures on the larvae and pupae of *Aedes aegypti* (L.) (Diptera: Culicidae). *Bangladesh J. Zool.* 4(2):73-84.
- Angerilli, N. P. D. 1980. A similarity dendrogram as an indicator of mosquito breeding sites. *Mosquito News* 40(1):117-118.
- Bailey, D. L., Lowe, R. E., Dame, D. A. and Seawright, J. A. 1980. Mass rearing the genetically altered MACHO strain of *Anopheles albimanus* Wiedemann. *Amer. J. Trop. Med. and Hyg.* 29(1):141-149.
- Bennett, S. R. 1980. Dispersal of the western treehole mosquito, *Aedes sierrensis* (Diptera: Culicidae), in an orchard habitat. *J. Med. Ent.* 17(2):156-164.
- Brust, R. A. 1980. Dispersal behavior of adult *Aedes sticticus* and *Aedes vexans* (Diptera: Culicidae) in Manitoba. *Canad. Ent.* 112(1):31-42.
- Dandawate, C. N., Patil, M. N. and Ghosh, S. N. 1979. A safe method for preparation of arbovirus antigens. *Indian J. Expt. Biol.* 17(1):94-95.
- Dégallier, N. 1979. Gonotrophic cycle of *Culex portesi* in French Guiana. *Ent. Méd. et Parasitol. Cah.* 17(1):13-17. In Fr., Engl. Sum.
- Eskafi, F. M. 1980. A flashlight trap. *Canad. Ent.* 112(2):223. [Culicidae included.]
- Fowler, J. E. F. and Bailey, D. L. 1980. Consolidation of larvae after separation of pupae in the mass production of *Anopheles albimanus* Wiedemann. *Mosquito News* 40(1):15-18.
- Mazzola, V., Amerault, T. E. and Roby, T. O. 1979. Electron microscope studies of *Anaplasma marginale* in an *Aedes alopictus* culture system. *Amer. J. Vet. Res.* 40(12):1812-1815.
- Mento, S. J., Malinoski, F. and Stollar, V. 1979. Phenotypic characterization of ouabain-resistant *Aedes alopictus* cells. *J. Cellular Physiol.* 101(3):515-521.
- Reisen, W. K., Mahmood, F. and Parveen, T. 1979. *Anopheles subpictus* Grassi: observations on survivorship and population size using mark-release-recapture and dissection methods. *Res. on Population Ecol.* 21(1):12-29.
- Roberts, D. R. and Hsi, B. P. 1979. An index of species abundance for use with mosquito surveillance data. *Environm. Ent.* 8(6):1007-1013.
- Rohe, D. L. and Fall, R. P. 1979. A miniature battery powered CO₂ baited light trap for mosquito borne encephalitis surveillance. *Soc. Vector Ecologists Bul.* 4:24-27.
- Sherman, K. E. and McIntosh, A. H. 1979. Baculovirus replication in a mosquito (Dipteran) cell line. *Infect. and Immunity* 26(1):232-234.
- Surgeoner, G. A. and Helson, B. V. 1977. A field evaluation of electrocutors for mosquito control in southern Ontario. *Ent. Soc. Ontario Proc.* 108:53-57.
- Taylor, N. J. 1979. A rapid, efficient area sampler for estimating absolute abundance of

- floodwater mosquito larvae. Environmtl. Ent. 8(6):1004-1006.
- Vongtangswad, S. and Trpis, M. 1980. Prediction of pupation in *Toxorhynchites brevipalpis* (Diptera: Culicidae). Ent. Soc. Amer. Ann. 73(1):83-84.
- Zharov, A. A. 1980. On the method for the determination of actual fertility of blood-sucking mosquito females on the example of *Aedes vexans* Meigen (Diptera, Culicidae). Med. Parazit. i Parazit. Bolezni 49(1):19-24. In Rus., Engl. Sum.
- ### TAXONOMY
- Carlson, D. A. and Service, M. W. 1979. Differentiation between species of the *Anopheles gambiae* complex (Diptera: Culicidae) by analysis of cuticular hydrocarbons. Ann. Trop. Med. and Parasitol. 73(6):589-592.
- Carlson, D. A. and Service, M. W. 1980. Identification of mosquitoes of *Anopheles gambiae* species complex A and B by analysis of cuticular components. Science 207 (4435):1089-1091.
- Danilov, V. N. 1979. On nomenclature, synonymy, differential diagnosis and distribution of *Aedes (Ochlerotatus) albineus* Séguy (Diptera, Culicidae). Vest. Zool. (Kiev.) 1:29-35. In Rus., Engl. Sum.
- Ishii, T. 1980. On the *Culex pipiens* group in Japan. Part III. A historical review of its research 4. Review of the adult character (3). J. Science (Univ. Tokushima) 13(3):29-62. In Jap., Engl. Sum.
- Miyagi, I. 1980. *Topomyia (Suaymyia) rausai*, a new species of mosquito from the Philippines (Diptera: Culicidae). J. Med. Ent. 17(2):178-181. [n. sp.]
- ### DISTRIBUTION
- Basio, R. G. 1976. Biting insects of Puerto Azul, Ternate, Cavite. Philippine Scientist 13:84-87. [*Cules* and *Aedes* included.]
- Dong, X. S. and Zhang, Z. Q. 1979. Notes on a new record of *Anopheles ramsayi* from Yunnan Province. Acta Zootaxonomica Sinica 4(3):306.
- Kadyrova, M. K. and Abduganiev, K. 1977. Bloodsucking diptera in the mountainous areas of the Dzhizak region. Uzbek Biol. Zhur. 4:63-65. In Rus. [Culicidae included.]
- Luh, P. L. and Li, B. S. 1979. Notes on the mosquitoes new to China, 4. *Aedes (S.) galloisi* Yamada, 1921. Acta Zootaxonomica Sinica 4(4):320. In Chin.
- Marjolet, M. 1978. Une enquête sur les Culicides (Diptera, Nematocera) de Loire-Atlantique: présence au stade larvaire d'*Aedes (Ochlerotatus) flavescens* (Muller, 1764) et d'*Aedes (Ochlerotatus) sticticus* (Meigen, 1838). Soc. Sci. Nat. Ouest France Bul. 71(2):41-45.
- Means, R. G. 1979. Mosquitoes of New York. Part I. The genus *Aedes* Meigen. Univ. State of New York, N. Y. State Museum Bul. 430a. 221 pp., Albany.
- Ramos, H. C., Ribeiro, H., Pires, C. A. and Capela, R. A. 1978. Research on the mosquitoes of Portugal (Diptera, Culicidae). II-The mosquitoes of Algarve. Inst. Hig. e Med. Trop. An. (Lisbon) 5(1-4):237-256.
- Ribeiro, H., Ramos, H. C., Pires, C. A. and Capela, R. A. 1978. Research on the mosquitoes of Portugal (Diptera, Culicidae). I-Four new culicine records. Inst. Hig. e Med. Trop. An. (Lisbon) 5(1-4):203-214. [*Culex modestus modestus*, *C. univittatus*, *Aedes vittatus* and *Uranotaenia unguiculata unguiculata*.]
- Ritchie, S. A. and Rowley, W. A. 1980. A new distributional record for *Psorophora cyanescens* (Coquillett) in Iowa. Mosquito News 40(1):118. [New state record.]
- ### SEVERAL DISEASES
- Dunn, F. L. 1979. Le rôle du comportement humain dans la lutte contre les maladies parasitaires. WHO Bul. 57(6):887-902. [Malaria and filariasis included.]
- Goodwin, L. G. 1980. New drugs for old diseases. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):1-7. [Malaria and filariasis included.]
- Neves, A. 1978. Programas de erradicação e controle de endemias a cargo da SUCAM: análise sucinta das atividades em 1978. Rev. Brasil. de Malariol. 30:123-128. [Yellow fever and malaria included.]
- ### ARBOVIRUSES AND OTHER VERTEBRATE VIRUSES
- Artsob, H. and Spence, L. 1979. Arboviruses in Canada. In Arctic and Tropical Arboviruses (edited by Kurstak, E.), pp. 39-65.
- Beer, K. 1979. Selected chapters from clinical microbiology. XVIII. Arboviruses. Praxis 68(37):1186-1187. In Ger.
- Bishop, D. H. L. 1979. Genetic potential of

- bunyaviruses. In *Current Topics in Microbiology and Immunology* (edited by Arber, W. and Coauthors). 86:1-33.
- Casals, J. 1979. Rapid diagnosis of arboviral and related infections. In *Arctic and Tropical Arboviruses* (edited by Kurstak, E.). pp. 303-319.
- Coulanges, P. and Coauthors. 1978. État actuel des recherches sur les arboviruses à Madagascar. *Inst. Pasteur Madagascar Arch.* 46(1):113-163. [Mosquito-borne included.]
- Danielová, V. and Ryba, J. 1979. Laboratory demonstration of transovarial transmission of Tahyňa virus in *Aedes vexans* and the role of this mechanism in overwintering of this arbovirus. *Folia Parasitol.* 26(4):361-366.
- Duca, M., Duca, E., Ionescu, L. and Abdalla, H. 1979. Single radial haemolysis for the assay of antibodies to some haemagglutinating arboviruses. *WHO Bul.* 57(6):937-942. [Sindbis and West Nile.]
- Emmons, R. W. 1980. Arboviral disease surveillance and control in California. *Bol. Ofic. Sanit. Panamer.* 88(1):10-18. In Sp., Engl. Sum.
- Enzmann, P. J. 1979. Quantitative and rapid assays of togaviruses by immunofluorescence. *Acta Virologica* 23(4):329-334.
- Gogate, S. S., Gupta, N. P. and Mulherkar, L. 1979. Effect of different viruses on early development of chick embryo cultured *in vitro*. *Indian J. Med. Res.* 70(Oct.):525-528.
- Hubálek, Z. and Coauthors. 1979. Tahyna virus—neutralizing antibodies of patients in southern Moravia. *Cesk. Epidemiol. Mikrobiol. Immunol.* 28(2):87-96. In Czech., Engl. Sum.
- Igarashi, A. 1979. A mutant of chikungunya virus isolated from a line of Singh's *Aedes albopictus* cells by plaque formation on virus-sensitive cloned cells obtained from another Singh's *A. albopictus* cell line. *Virol.ogy* 98(2):385-392.
- Igarashi, A. 1979. Production of temperature-sensitive and pathogenic virus from *Aedes albopictus* cells (Singh) persistently infected with chikungunya virus. *Arch. Virology* 62(4):303-312.
- Johnson, B. K. and Chanas, A. C. 1980. A micro-culture neutralization test using polyvalent immune fluids for grouping arboviruses. *Roy. Soc. Trop. Med. and Hyg. Trans.* 74(1):114-115.
- Kaplan, J. E. and Coauthors. 1980. Infectious disease patterns in the Waorani, an isolated Amerindian population. *Amer. J. Trop. Med. and Hyg.* 29(2):298-312.
- Kulkova, L. V. and Soloukhin, V. Z. 1979. Re-production of fowl plague virus in *Aedes aegypti* mosquitoes. *Voprosy Virusologii No.* 6:652-654. In Rus., Engl. Sum.
- Kurstak, E. 1979. Considerations on arbovirus infections in northern regions. In *Arctic and Tropical Arboviruses* (edited by Kurstak, E.). pp. 1-5.
- Labuda, M., Kozuch, O. and Nosek, J. 1979. Affinity of mosquitoes to bird hosts in the Danube region and their virological examination. *Biológia (Bratislava)* 34(11):879-883. In Czech., Engl. Sum.
- Malková, D. 1980. Experimental infection of hedgehogs, hamsters, rabbits and ferrets with the virus Lednice. *Folia Parasitol.* 27(1):69-70. [*Culex modestus*.]
- McLean, D. M. 1979. Arbovirus vectors in the Canadian Arctic. In *Arctic and Tropical Arboviruses* (edited by Kurstak, E.). pp. 7-20.
- McLean, D. M., Grass, P. N., Judd, B. D. and Stoltz, K. J. 1979. Bunyavirus development in Arctic and *Aedes aegypti* mosquitoes as revealed by glucose oxidase staining and immunofluorescence. *Arch. Virology* 62(4):313-322.
- Molnár, E. and Coauthors. 1979. Ecological and virological studies on arbovirus in Somogy County. *Orvosi Hetilap* 120(33):1983-1987. In Hung. [*Aedes*, *Culex*, *Mansonia* and *Theobaldia*.]
- Nagarkatti, P. S., Nagarkatti, M. and Rao, K. M. 1980. Development of a kit for the assay of haemagglutination inhibition antibodies to flaviviruses using formalized goose erythrocytes. *Roy. Soc. Trop. Med. and Hyg. Trans.* 74(1):22-25. [Dengue, Japanese B encephalitis and West Nile antigens used.]
- Nguyen, M. C. and Morere, K. 1979. An uncommon case of involvement of the lymphatic vessels. *Phlebologie* 32(3):297-302. In Fr.
- Pudney, M., Leake, C. J. and Varma, M. G. R. 1979. Replication of arboviruses in arthropod *in vitro* systems. In *Arctic and Tropical Arboviruses* (edited by Kurstak, E.). pp. 245-262.
- Renaudet, J. and Coauthors. 1978. A serological survey of arboviruses in the human population of Senegal. *Soc. de Path. Exot. Bul.* 71(2):131-140. In Fr., Engl. Sum.
- Selezneva, A. Yu., Nikolaeva, O. V. and Fadeeva, L. L. 1979. Effect of long-term storage on the infectivity of lyophilized arboviruses. *Voprosy Virusologii No.* 4:432-435. In Rus., Engl. Sum.
- Stollar, V. 1979. Defective interfering particles of togaviruses. In *Current Topics in Microbiology and Immunology* (edited by Arber, W. and Coauthors). 86:35-66.

- Sureau, P. 1978. Techniques de laboratoire pour l'étude des arbovirus Institut Pasteur de Madagascar. Inst. Pasteur Madagascar Arch. 46(1):173-240. [Mosquito-borne included.]
- Thompson, W. H. 1979. Transovarial transmission of California arbovirus group. In Arctic and Tropical Arboviruses (edited by Kurstak, E.), pp. 139-155.
- Tomori, O. and Fabiyi, A. 1977. Orungo virus: a new agent from mosquitoes and man in Uganda and Nigeria. Nigerian Med. J. 7(1):5-8. [From man and mosquitoes.]
- Traavik, T. 1979. Arboviruses in Norway. In Arctic and Tropical Arboviruses (edited by Kurstak, E.), pp. 67-81.
- Verani, P., Baldacci, M. and Lopes, M. C. 1979. Arboviruses in Italy. In Arctic and Tropical Arboviruses (edited by Kurstak, E.), pp. 101-121.
- Woodall, J. P. 1979. Transmission of group C arboviruses (Bunyaviridae). In Arctic and Tropical Arboviruses (edited by Kurstak, E.), pp. 123-138.
- Arboviruses—Dengue**
- Brandt, W. E. and Coauthors. 1979. Effect of passage history on dengue-2 virus replication in subpopulations of human leukocytes. Infect. and Immunity 26(12):534-541.
- Center for Disease Control. 1979. Control of dengue. Vector Topics No. 2, 39 pp.
- Coulanges, P. and Coauthors. 1979. Dengue in Reunion. Isolation of a strain at the Malagasy Pasteur Institute. Soc. de Path. Exot. Bul. 72(3):205-209. In Fr., Engl. Sum.
- Fagbamgi, A. H., Tomori, O. and Fabiyi, A. 1977. Virological and clinical observations during an outbreak of dengue-like illness at Abeokuta, Ogun State, Nigeria. Nigerian Med. J. 7(4):380-383.
- Gubler, D. J. and Coauthors. 1979. Virological surveillance for dengue haemorrhagic fever in Indonesia using the mosquito inoculation technique. WHO Bul. 57(6):931-936.
- Halstead, S. B. 1979. In vivo enhancement of dengue virus infection in rhesus monkeys by passively transferred antibody. J. Infect. Dis. 140(4):527-533.
- Ko, K. K., Igarashi, A. and Fukai, K. 1979. Electron microscopic observations on *Aedes albopictus* cells infected with dengue viruses. Arch. Virology 62(1):41-52.
- Mataika, J. 1977. Dengue fever in Fiji. Fiji Med. J. 5(12):259-263.
- Nagarkatti, M. and Nagarkatti, P. S. 1979. Suppression of intrinsic B-cell function in dengue-infected mice. Experientia 35(11):1518-1519.
- Tandon, P., Chaturvedi, U. C. and Mathur, A. 1979. Dengue virus-induced thymus-derived suppressor cells in the spleen of mice. Immunology 38(4):653-658.

Arboviruses—Encephalitis

- Calisher, C. H. and Coauthors. 1979. Eastern equine encephalitis in the Dominican Republic. 1978. Pan Amer. Health Organ. Bul. 13(4):380-390.
- Grimstad, P. R., Ross, Q. E. and Craig, G. B., Jr. 1980. *Aedes triseriatus* (Diptera: Culicidae) and La Crosse virus. II. Modification of mosquito feeding behavior by virus infection. J. Med. Ent. 17(1):1-7.
- Marker, S. C. and Jahrling, P. B. 1979. Correlation between virus-cell receptor properties of alphaviruses *in vitro* and virulence *in vivo*. Arch. Virology 62(1):53-62.

Arboviruses—Encephalitis—CE, SLE

- Fauvel, M. and Coauthors. 1980. California group virus encephalitis in three children from Quebec: clinical and serologic findings. Canad. Med. Assoc. J. 122(1):60-63.
- Luby, J. P. and Coauthors. 1980. Antigenuria in St. Louis encephalitis. Amer. J. Trop. Med. and Hyg. 29(2):265-268.

Arboviruses—Encephalitis—EEE, WEE

- Dietz, W. H., Jr. Galindo, P. and Johnson, K. M. 1980. Eastern equine encephalomyelitis in Panama: the epidemiology of the 1973 epizootic. Amer. J. Trop. Med. and Hyg. 29(1):133-140.
- Green, D. W. and Coauthors. 1980. The significance of western equine encephalomyelitis viral infections in *Aedes trivittatus* (Diptera: Culicidae) in Iowa, I. Variation in susceptibility of *Aedes trivittatus* to experimental infection with three strains of western equine encephalomyelitis virus. Amer. J. Trop. Med. and Hyg. 29(1):118-124.
- Hardy, J. L., Reeves, W. C., Bruen, J. P. and Presser, S. B. 1979. Vector competence of *Culex tarsalis* and other mosquito species for western equine encephalomyelitis virus. In Arctic and Tropical Arboviruses (edited by Kurstak, E.), pp. 157-171.

- Henderson, L. P. and Brust, R. A. 1977. Studies on potential transovarial transmission of western equine encephalomyelitis virus by *Culex tarsalis* Coquillett. Manitoba Ent. 11:69-73. [Published 1979.]
- Koizumi, S. and Coauthors. 1979. Inhibition of DNA synthesis in BHK cells infected with western equine encephalitis virus. 2. Properties of the inhibitory factor of DNA polymerase induced in infected cells. Virology 98(2):439-447.
- Kokorev, V. S., Gaidamovich, S. Ya., Fedotova, T. T. and Filippovets, R. V. 1979. Antihemagglutinin exhaustion test in the study of the activity of antigenic preparations of arboviruses. Voprosy Virusologii No. 6:646-651. In Rus., Engl. Sum. [WEE included.]
- Romney, S. V., Collett, G. C. and Schoenfeld, F. J. 1980. Report on an outbreak of western equine encephalitis in the Uintah Basin, Utah. Mosquito News 40(1):103-104.
- Thomas, L. A., Patzer, E. R., Cory, J. C. and Coe, J. E. 1980. Antibody development in garter snakes (*Thamnophis* spp.) experimentally infected with western equine encephalitis virus. Amer. J. Trop. Med. and Hyg. 29(1):112-117.
- Arboviruses—Encephalitis—JE**
- Banerjee, K., Ilkal, M. A., Bhat, H. R. and Sreenivasan, M. A. 1979. Experimental viraemia with Japanese encephalitis virus in certain domestic and peridomestic vertebrates. Indian. J. Med. Res. 70(Sept.):364-368.
- Chaturvedi, U. C. and Coauthors. 1979. Variable effect on peripheral blood leucocytes during JE virus infection of man. Clin. and Expt. Immunol. 38(3):492-498.
- Furu, Y. 1977. Epidemiological studies of Japanese encephalitis in Shiga Prefecture (1965-1973). II. Environmental factors affecting the number of *Culex tritaeniorhynchus*. Kansai Med. Univ. J. 29(4):673-685. In Jap., Engl. Sum.
- Furu, Y. 1977. Epidemiological studies of Japanese encephalitis in Shiga Prefecture (1965-1973). IV. Summary and conclusions. Kansai Med. Univ. J. 29(4):696-703.
- Kwon, H. J. and Coauthors. 1977. Studies on Japanese encephalitis live vaccine. IV. Immunization of pigs with Anyang strain of attenuated virus. Res. Rep. Off. Rural Dev. (Vet Ser.) Korea (Repub.) 19:7-12. In Kor., Engl. Sum.
- Arboviruses—Encephalitis—VEE**
- Dégallier, N. and Coauthors. 1979. Epidemiology of group C and Guama group (Bunyavirus, arbovirus) in French Guiana: first data and comparison with V.E.E. complex viruses. Ent. Méd. et Parasitol. Cah. 17(1):3-11. In Fr., Engl. Sum. [*Culex portesi*.]
- Dickerman, R. W., Martin, M. S. and Dipaola, E. A. 1980. Studies of Venezuelan encephalitis in migrating birds in relation to possible transport of virus from South to Central America. Amer. J. Trop. Med. and Hyg. 29(2):269-276.
- Edelman, R. and Coauthors. 1979. Evaluation in humans of a new, inactivated vaccine for Venezuelan equine encephalitis virus (C-84). J. Infect. Dis. 140(5):708-715.
- Filis, C. A. and Calisher, C. H. 1979. Neutralizing antibody responses of humans and mice to vaccination with Venezuelan encephalitis (TC-83) virus. J. Clin. Microbiol. 10(4):544-549.
- Levitt, N. H., Miller, H. V. and Edelman, R. 1979. Interaction of alphaviruses with human peripheral leukocytes: in vitro replication of Venezuelan equine encephalomyelitis virus monocyte cultures. Infect. and Immunity 24(3):642-646.
- Ryder, S., Ruiz-Padilla, L., Blitz-Dorfman, L. and Soto Escalona, A. 1978. Respuesta de anticuerpos contra encefalitis equina Venezolana en equidos vacunados con la vacuna a virus vivo modificado (TC-83). Invest. Clín., 19(3):116-123. Engl. Sum.
- Tamayo, J. G. and Esperza, J. 1978. Importance of cellular response in the encephalitis phenomenon induced by Venezuelan encephalitis virus. Patología 16(4):215-229. In Sp. Engl. Sum.
- Arboviruses—Rift Valley Fever**
- Ellis, D. S., Simpson, D. I. H. and Stamford, S. 1980. Rift Valley fever virus material, Egypt, 1977: ultrastructural studies. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):112.
- Hoogstraal, H., Meegan, J. M., Khalil, G. M. and Adham, F. K. 1979. The Rift Valley fever epizootic in Egypt 1977-78. 2. Ecological and entomological studies. Roy. Soc. Trop. Med. and Hyg. Trans. 73(6):624-629.
- Johnson, B. K. and Chanas, A. C. 1980. Rift Valley fever in Egypt, 1977-78. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):115.
- Laughlin, L. W. and Coauthors. 1979. Epidemic Rift Valley fever in Egypt: obser-

- vations of the spectrum of human illness. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(6):630-633.
- Meegan, J. M. 1979. The Rift Valley fever epizootic in Egypt 1977-78. 1. Description of the epizootic and virological studies. *Roy. Soc. Trop. Med. and Hyg. Trans.* 73(6):618-623.
- Meegan, J. M., Niklasson, B. and Bengtsson, E. 1979. Spread of Rift Valley fever virus from continental Africa. *Lancet* 8153:1184-1185.
- Tomori, O. and Kasali, O. 1979. Pathogenicity of different strains of Rift Valley fever virus in Swiss albino mice. *Brit. J. Expt. Path.* 60(4):417-422.
- Van Tongeren, H. A. E. 1979. Rift Valley fever, a veterinary and medical problem. *Tijdschrift v. Diergeneeskunde* 104(17):659-673. In Dut., Engl. Sum.
- Arboviruses—Semliki Forest**
- Keränen, S. and Kääriäinen, L. 1979. Functional defects of RNA-negative temperature-sensitive mutants of Sindbis and Semliki Forest viruses. *J. Virology* 32(1):19-29.
- Peck, R., Wust, C. J. and Brown, A. 1979. Adoptive transfer of cross-protection among alphaviruses in mice requires allogeneic stimulation. *Infect. and Immunity* 25(1):320-327. [Sindbis and Semliki.]
- Pesonen, M. 1979. Sequence analysis of lactosamine type glycans of individual membrane proteins of Semliki Forest virus. *J. General Virol.* 45(2):479-487.
- Pesonen, M., Haahtela, K. and Renkonen, O. 1979. Core tetrasaccharide liberated by endo- β -D-N-acetylglucosaminidase D from lactosamine-type oligosaccharides of Semliki Forest virus membrane proteins. *Biochimica et Biophysica Acta* 588(1):102-112.
- Ranki, M. and Kääriäinen, L. 1979. Solubilized RNA replication complex from Semliki Forest virus-infected cells. *Virology* 98(2):298-307.
- Ranki, M., Ulmanen, I. and Kääriäinen, L. 1979. Semliki Forest virus-specific non-structural protein is associated with ribosomes. *FEBS Lett.* 108(1):299-302.
- Simons, K., Garoff, H., Helenius, A. and Ziemiecki, A. 1978. The structure and assembly of the membrane of Semliki Forest virus. In *Frontiers in Physicochemical Biology* (edited by Pullman, B.), pp. 387-407.
- Söderlund, H., von Bonsdorff, C. H. and Ulmanen, I. 1979. Comparison of the structural properties of Sindbis and Semliki Forest virus nucleocapsids. *J. General Virol.* 45(1):15-26.
- Ulmanen, I., Söderlund, H. and Kääriäinen, L. 1979. Role of protein synthesis in the assembly of Semliki Forest virus nucleocapsid. *Virology* 99(2):265-276.
- van Steeg, H. and Coauthors. 1979. *In vitro* translation of Semliki Forest virus 42 S RNA. Initiation at two different sites. *FEBS Lett.* 108(1):292-298.
- Wengler, G., Wengler, G. and Gross, H. J. 1979. Replicative form of Semliki Forest virus RNA contains an unpaired guanosine. *Nature (London)* 282(5740):754-756.
- Arboviruses—Sindbis**
- Atkins, G. J. 1979. Establishment of persistent infection in BHK-21 cells by temperature-sensitive mutants of Sindbis virus. *J. General Virol.* 45(1):201-207.
- Barrett, P. N. and Atkins, G. J. 1979. Virulence of temperature-sensitive mutants of Sindbis virus in neonatal mice. *Infect. and Immunity* 26(3):848-852.
- Bell, J. R., Strauss, E. G. and Strauss, J. H. 1979. Purification and amino acid compositions of the structural proteins of Sindbis virus. *Virology* 97(2):287-294.
- Bonatti, S. and Blobel, G. 1979. Absence of a cleavable signal sequence in Sindbis virus glycoprotein PE₂. *J. Biol. Chem.* 254(24):12261-12264.
- Stollar, V., Harrap, K., Thomas, V. and Sarver, N. 1979. Observations related to cytopathic effect in *Aedes albopictus* cells infected with Sindbis virus. In *Arctic and Tropical Arboviruses* (edited by Kurstak, E.), pp. 277-297.
- Arboviruses—West Nile**
- Ahmed, T., Hayes, C. G. and Baqar, S. 1979. Comparison of vector competence for West Nile virus of colonized populations of *Culex tritaeniorhynchus* from Southern Asia and the Far East. *Southeast Asian J. Trop. Med. and Publ. Health* 10(4):498-504.
- Hayes, C. G., Basit, A., Bagar, S. and Akhter, R. 1980. Vector competence of *Culex tritaeniorhynchus* (Diptera: Culicidae) for West Nile virus. *J. Med. Ent.* 17(2):172-177.
- Arboviruses—Yellow Fever**
- Beaty, B. J., Tesh, R. B. and Aitken, T. H. G. 1980. Transovarial transmission of yellow

- fever virus in *Stegomyia* mosquitoes. Amer. J. Trop. Med. and Hyg. 29(1):125-132.
- Bown, D. N. and Coauthors. 1980. Forest types and arbovirus vectors in the Mamu River Forest Reserve of southeastern Nigeria. Mosquito News 40(1):91-102.
- Cornet, M. and Coauthors. 1979. Comparison between experimental transmission of yellow fever and Zika viruses in *Aedes aegypti*. Ent. Méd. et Parasitol. Cah. 17(1):47-53. In Fr., Engl. Sum.
- Eddy, T. P. 1980. Asians in the white man's grave. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):142. [Yellow fever.]
- Germain, M. and Coauthors. 1979. Isolement du virus de la fièvre jaune à partir de la ponte et de larves d'une Tique *Amblyomma variegatum*. Compt. Rend. Soc. de Biol. (Paris) Ser. D. 289(8):635-637.
- Kastner, M. R. Q., Cardeman, L., Gonçalves, M. M. H. and Queralto, M. C. K. 1976. Febre amarela. I. Aspectos cílicos e epidemiológicos. Soc. Bras. Med. Trop. Revista 10(1):31-42. Engl. Sum.
- Mekki, A. A., Van der Groen, G. and Pattyn, S. R. 1978. Indirect immunofluorescence and electronmicroscopy for the diagnosis of yellow fever virus infection. Soc. Belge de Med. Trop. Ann. 58(3):231-234.
- Oliva, F. 1979. Current status of yellow fever in the world and the importance of aircraft in its possible spread. Minerva Medica 70(37):2573-2582. In Ital., Engl. Sum.
- Saluzzo, J. F. and Coauthors. 1979. Second series of isolations of yellow fever virus from *Aedes africanus* (Theobald), in a forest gallery of semi-humid savannahs in the southern part of Central African Empire. Ent. Méd. et Parasitol. Cah. 17(1):19-24. In Fr., Engl. Sum.
- Santiago, A. D. and Williams, M. 1976. The *Aedes aegypti* situation in Trinidad 1975. Caribbean Med. J. 37(1):12-14.
- ### FILARIASIS
- Al Tawil, N. 1979. Microfilaraemia survey in Vientiane, Laos. Southeast Asian J. Trop. Med. and Pub. Health 10(4):483-485. [*Brugia* and *Wuchereria*.]
- Cross, J. H., Hsu, M. Y. K. and Lien, J. C. 1980. Preliminary observations on the development of larval filariae in *Toxorhynchites* species. Amer. J. Trop. Med. and Hyg. 29(1):46-49. [*Wuchereria bancrofti*.]
- Date, A., Shastry, J. C. M. and Johny, K. V. 1979. Ultrastructural glomerular changes in filarial chyluria. J. Trop. Med. and Hyg. 82(7):150-154. [Type of filariasis not mentioned.]
- Denham, D. A. and Coauthors. 1979. The antihelminthic effects of flubendazole on *Brugia pahangi*. Roy. Soc. Trop. Med. and Hyg. Trans. 73(6):673-676.
- Grove, D. E., Davis, R. S. and Warren, K. S. 1979. *Brugia malayi* microfilaraemia in mice: a model for the study of the host response to microfilariae. Parasitology 79(3):303-316.
- Janz, J. G. and Chung Kon Sing. 1978. Filariase linfática em Timor Leste. Inst. Hig. e Med. Trop. An. (Lisbon) 5(1-4):257-280. In Port., Engl. Sum.
- Knight, R. 1980. Current status of filarial infections in The Gambia. Ann. Trop. Med. and Parasitol. 74(1):63-68. [*Wuchereria bancrofti* included.]
- McMahon, J. E., de C. Marshall, T. F., Vaughan, J. P. and Kolstrup, N. 1979. Tanzania filariasis project: a provocative day test with diethylcarbamazine for the detection of microfilariae of nocturnally periodic *Wuchereria bancrofti* in the blood. WHO Bul. 57(5):759-765.
- Mishra, S. S. and Dwivedi, M. P. 1979. An epidemiological study of filariasis in Rewa town (M.P.). Indian J. Pub. Health 23(1):7-16. [*Culex quinquefasciatus*.]
- Pene, P., Nosny, Y., Nguemby Mbina, C. and Delmont, J. 1978. Tropical eosinophilia and bancroftian filariasis: clinical, biological and radiological study of a case. Méd. d'Afr. Noire 25(6):385-389. In Fr.
- Petit, G. and Spitalier-Kaveh, H. 1979. *Dipterolomena dessetae*-*Aedes aegypti*: study of the infected adipose tissue. Ann. de Parasitol. Humaine et Compar. 54(1):81-92. In Fr., Engl. Sum.
- Piessens, W. F. and Beldekas, M. 1979. Diethylcarbamazine enhances antibody-mediated cellular adherence to *Brugia malayi* microfilariae. Nature (London) 282(5741):845-847.
- Rao, C. K. 1979. On the National Filaria Control Programme. Indian J. Pub. Health 23(1):3-6.
- Singh, M. and Coauthors. 1979. Studies on human filariasis in Malaysia: immunodiagnosis using indirect immunofluorescence. Southeast Asian J. Trop. Med. and Pub. Health 10(4):486-497. [*Brugia* and *Wuchereria*.]
- Sung, R. T. M., Bessenay, J., Mojon, M. and Garin, J. P. 1979. Lymphatic filariasis in the Wallis and Futuna Islands. Clinical, biological and chemoprophylactic data. Lyon Médical 241(6):339-345. In Fr., Engl. Sum.

- Tongu, Y., Vincent, A. L. and Ash, L. R. 1978. The ultrastructure of early larval morphogenesis in *Brugia pahangi* (Nematoda: Filarioidea). Jap. J. Parasitol. 27(3):245-260.
- Vincent, A. L., Ash, L. R., Sodeman, W. A., Jr. and Rodrick, G. E. 1979. Pathology of intratesticular *Brugia* in jirds. J. Parasitol. 65(6):990.
- Weber, R. H. 1979. Eradication of *Wuchereria bancrofti* infection through vector control. Roy. Soc. Trop. Med. and Hyg. Trans. 73(6):722-724.
- Filariasis—Dirofilaria*
- Ando, K., Mitsuhashi, J. and Kitamura, S. 1980. Uptake of amino acids and glucose by microfilariae of *Dirofilaria immitis* in vitro. Amer. J. Trop. Med. and Hyg. 29(2):213-216.
- Atwell, R. B. and Carlisle, C. 1979. Canine dirofilariasis in the metropolitan area of Brisbane. Austral. Vet. J. 55(8):399.
- Atwell, R. B., Carlisle, C. and Robinson, S. 1979. The effectiveness of levamisole hydrochloride in the treatment of adult *Dirofilaria immitis*. Austral. Vet. J. 55(11):531-533.
- Grieve, R. B., Gebhardt, B. M. and Bradley, R. E., Sr. 1979. *Dirofilaria immitis*: cell-mediated and humoral immune responses in experimentally-infected dogs. Internat. J. for Parasitol. 9(4):275-279.
- Hutchinson, W. F. and Turner, A. C. 1979. Glycerol metabolism in the adult dog heartworm, *Dirofilaria immitis*. Compar. Biochem. and Physiol. 64B(4):399-401.
- Kazacos, K. R. and Edberg, E. O. 1979. *Dirofilaria immitis* infection in foxes and coyotes in Indiana. Amer. Vet. Med. Assoc. J. 175(9):909-910.
- Lewandowski, H. B., Jr., Hooper, G. R. and Newson, H. D. 1980. Determination of some important natural potential vectors of dog heartworm in central Michigan. Mosquito News 40(1):73-79.
- Thrall, D. E. and Coauthors. 1980. Radiographic changes associated with developing evaluation of pulmonary perfusion in dogs experimentally infected with *Dirofilaria immitis*. Amer. J. Vet. Res. 40(10):1426-1432.
- Thrall, D. E., Badertscher, R. R. II, Lewis, R. E. and McCall, J. W. 1979. Scintigraphic changes associated with developing dirofilariasis in experimentally infected dogs. Amer. J. Vet. Res. 41(1):81-90.
- Turner, A. C. and Hutchinson, W. F. 1979. Lipid synthesis in the adult dog heartworm, *Dirofilaria immitis*. Compar. Biochem. and Physiol. 64B(4):403-405.
- Welch, J. S., Dobson, C. and Freeman, C. 1979. Distribution and diagnosis of dirofilariasis and toxocariasis in Australia. Austral. Vet. J. 55(6):265-274.
- MALARIA**
- Anuar, M. and Yap, P. K. 1979. Severe malaria with disseminated intravascular coagulation. Med. J. Malaysia 33(3):264-265.
- Barratt, T. M. 1979. Nephrotic syndrome of childhood: malaria therapy reconsidered. Arch. Disease in Childhood 54(11):825-830.
- Black, R. H. 1978. Malaria in Australia 1976. Trop. Med. Tech. Paper No. 1, 15 pp. School Pub. Health and Trop. Med., Univ. Sydney, N.S.W., Australia.
- Black, R. H. 1979. Malaria in Australia, 1977. Trop. Med. Tech. Paper No. 2, 18 pp. School of Public Health and Tropical Medicine, University of Sydney, N.S.W., Australia.
- Boer, R. O. and van Soeren, F. 1979. A patient with tropical malaria acquired in a South African safari park. Ned. Tijdschr. v. Geneesk. 123(38):1658. In Dut.
- Bray, R. S. and Sinden, R. E. 1979. The sequestration of *Plasmodium falciparum* infected erythrocytes in the placenta. Roy. Soc. Trop. Med. and Hyg. Trans. 73(6):716-719.
- Bruce-Chwatt, L. J. 1979. Man against malaria: conquest or defeat. Roy. Soc. Trop. Med. and Hyg. Trans. 73(6):605-617. [The Manson Oration, May 1979.]
- Bunnag, T., Sornmani, S., Pinithpongse, S. and Harinasuta, C. 1979. Surveillance of water-borne parasitic infections and studies on the impact of ecological changes of vector mosquitoes of malaria after dam construction. Southeast Asian J. Trop. Med. and Pub. Health 10(4):656-660.
- Campbell, C. C., Martinez, J. M. and Collins, W. E. 1980. Seroepidemiological studies of malaria in pregnant women and newborns from coastal El Salvador. Amer. J. Trop. Med. and Hyg. 29(2):151-157.
- Chokai, J. 1978. Autopsy case of *Plasmodium falciparum* malaria. Nippon Rinsho 36(12):3960-3961. In Jap.
- Crane, G. G. 1979. The role of immune complexes in the manifestations of malaria. Austral. N.Z. J. Med. 9(5):605-606.
- Duperval, R., Longpré, B. and Madarnas, P. 1979. Unexplained falciparum malaria in a patient with chronic lymphocytic leukemia. Canad. Med. Assoc. J. 121(12):1585-1588.

- Basu, A. 1979. Malaria in the north-east of Scotland a review of 31 cases (1974-78). *Scottish Med. J.* 24(4):296-298.
- Thomas, V. and Chan Wing Chit. 1980. A case of congenital malaria in Malaysia with IgM malaria antibodies. *Roy. Soc. Trop. Med. and Hyg. Trans.* 74(1):73-76.
- Tubbs, H. 1980. Endotoxin in human and murine malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 74(1):121-123.
- World Health Organization. 1979. WHO Expert Committee on Malaria. Seventeenth report. WHO Tech. Rpt. Ser. No. 640, 71 pp.
- Malaria—Cerebral**
- Ayim, E. N. and Clark, G. P. M. 1979. Brain death: experience in an intensive care unit. *East Afr. Med. J.* 56(11):571-576. [Cerebral malaria mentioned as one cause.]
- Thonnier, C. and Coauthors. 1979. Acces pernicieux palustre et insuffisance renale chez une femme enceinte de 5 mois utilisation des prostaglandines pour la delivrance. *Med. Trop. (Marseille)* 39(3):323-327. Engl. Sum.
- Malaria Control and Eradication**
- Fontaine, R. E. 1979. Malaria control and research in tropical Africa. *Soc. Vector Ecologists Bul.* 4:10-15.
- Phan, V. T. 1977. The anti-malarial campaign and the eradication of malaria in the Socialist Republic of Vietnam. *Sante Publique (Bucarest)* 20(2):147-156.
- Malaria—Immunology**
- Alving, C. R., Schneider, I., Swartz, G. M., Jr. and Steck, E. A. 1979. Sporozoite-induced malaria: therapeutic effects of glycolipids in liposomes. *Science* 204(4411):1142-1144.
- Bawden, M. P., Palmer, T. T., Leef, M. F. and Beaudoin, R. L. 1979. Malaria vaccination with irradiated sporozoites: serological evaluation of the antigen and antibody responses. *WHO Bul.* 57(Suppl. 1):205-209.
- Boonpucknavig, V., Boonpucknavig, S. and Bhamarapravati, N. 1979. *Plasmodium berghei*-infected mice. Focal glomerulonephritis in hyperimmune state. *Arch. Path. Lab. and Lab. Med.* 103(11):567-572.
- Brachett, R. G., Cole, G. C., Green, T. J. and Jacobs, R. L. 1979. *In vitro* propagation of *Plasmodium falciparum* for merozoite antigens. *WHO Bul.* 57(Suppl. 1):33-36.
- Brown, K. N. and Hills, L. A. 1979. The possible role of isoantigens in protective immunity to malaria. *WHO Bul.* 57(Suppl. 1):135-138.
- Butcher, G. A. 1979. Factors affecting the *in vitro* culture of *Plasmodium falciparum* and *Plasmodium knowlesi*. *WHO Bul.* 57(Suppl. 1):17-26.
- Campbell, G. H. and Coauthors. 1979. *In vitro* inhibition of the growth of *Plasmodium falciparum* by *Aotus* serum. *WHO Bul.* 57(Suppl. 1):219-225.
- Carter, R. and Miller, L. H. 1979. Evidence for environmental modulation of gametocytogenesis in *Plasmodium falciparum* in continuous culture. *WHO Bul.* 57(Suppl. 1):37-52.
- Deans, J. A. and Cohen, S. 1979. Localization and chemical characterization of *Plasmodium knowlesi* schizont antigens. *WHO Bul.* 57(Suppl. 1):93-100.
- Delmont, J. and Coauthors. 1979. Antimalaria chemoprophylaxis in European people and fluorescent anti-*Plasmodium* antibody. *Soc. de Path. Exot. Bul.* 72(3):222-231. In Fr., Engl. Sum.
- Egging, M. J., Tappenden, L. and Brown, K. N. 1979. Synthesis of *Plasmodium knowlesi* polypeptides in a cell-free system. *WHO Bul.* 57 (Suppl. 1):109-113.
- Eugui, E. M. and Allison, A. C. 1979. Malaria infections in different strains of mice and their correlation with natural killer activity. *WHO Bul.* 57(Suppl. 1):231-238.
- Eugui, E. M. and Allison, A. C. 1979. Metrizamide density gradients for separation of different developmental stages of malarial parasites. *WHO Bul.* 57(Suppl. 1):181-187.
- Gwadz, R. W., Carter, R. and Green, I. 1979. Gamete vaccines and transmission-blocking immunity in malaria. *WHO Bul.* 57(Suppl. 1):175-180.
- Gwadz, R. W., Cochrane, A. H., Nussenzweig, V., Nussenzweig, R. S. 1979. Preliminary studies on vaccination of rhesus monkeys with irradiated sporozoites of *Plasmodium knowlesi* and characterization of surface antigens of these parasites. *WHO Bul.* 57(Suppl. 1):165-173.
- Jayawardena, A. N. and Kemp, J. D. 1979. Immunity to *Plasmodium yoelii* and *Babesia microti*: modulation by the CBA/N X-chromosome. *WHO Bul.* 57(Suppl. 1):255-259.
- Jensen, J. B. 1979. Some aspects of serum requirements for continuous cultivation of *Plasmodium falciparum*. *WHO Bul.* 57(Suppl. 1):27-31.
- Kilejian, A. and Olson, J. 1979. Proteins and glycoproteins from human erythrocytes in-

- Ette, S. I. and Dickerson, J. W. T. 1978. Nutritional studies of the south eastern state peasant diet: studies of the effect of malarial infection (*Plasmodium berghei*) on electrolyte changes in rats fed the peasants' diet. Nigerian Med. J. 8(6):538-543.
- Fabia, F., Gattegno, L., Rousset, J. J. and Cornillot, P. 1979. *Plasmodium chabaudi*: changes in the surface sialic acids of red blood cells during infection. Ann. de Parasitol. Humaine et Compar. 54(1):1-10. In Fr., Engl. Sum.
- Galbraith, R. M. and Coauthors. 1980. The human materno-foetal relationship in malaria. I. Identification of pigment and parasites in the placenta. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):52-60.
- Galbraith, R. M. and Coauthors. 1980. The human materno-foetal relationship in malaria. II. Histological, ultrastructural and immunopathological studies of the placenta. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):61-72.
- Gero, A. M. and O'Sullivan, W. J. 1979. Studies on dihydroorotate dehydrogenase from human spleen and the malarial parasite, *Plasmodium berghei*. Austral. Biochem. Soc. Proc. 12:9.
- Giammarruto, R. 1979. International anti-malaria prevention today for the Italian airline. Minerva Medica 70(37):2595-2598. In Ital., Engl. Sum.
- González-Licea, A. 1977. Malaria in Mexico. Patología 15(1):49-62. In Sp., Engl. Sum.
- Hayes, J. and Ferraroni, J. J. 1978. 1978. Ocorrência de malária numa estrada recém-construída no Amazonas. Acta Amazonica 8(3):397-407. Engl. Sum.
- Hunter, K. W., Jr., Winkelstein, J. A. and Simpson, T. W. 1979. Serum opsonic activity in rodent malaria: functional and immunochemical characteristics *in vitro*. J. Immunol. 123(6):2582-2587.
- Jayawardena, A. N., Janeway, C. A., Jr. and Kemp, J. D. 1979. Experimental malaria in the CBA/N mouse. J. Immunol. 123(6):2532-2539.
- Kilejian, A. 1979. Characterization of a protein correlated with the production of knob-like protrusions on membranes of erythrocytes infected with *Plasmodium falciparum*. Natl. Acad. Sci. USA Proc. 76(9):4650-4653.
- Küstner, H. G. V. 1979. Trends in four major communicable diseases. South Afr. Med. J. 55(12):460-473. [Malaria included.]
- Lange, J. F. W. A. 1979. Tertiary malaria with a long incubation period caused by a *Plasmodium vivax* strain in a Turkish woman. Ned. Tijdschr. v. Geneesk. 123(34):1481. In Dut.
- Lowenthal, M. N. and Coauthors. 1980. Massive splenomegaly in Northern Zambia. I. Analysis of 344 cases. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):91-98. [Malaria.]
- Luzzatto, L. 1979. Genetics of red cells and susceptibility to malaria. Blood 54(5):961-976.
- Markus, M. B. 1980. Relapse in malaria. South Afr. Med. J. 57(10):344.
- Mauricio, P. and Coauthors. 1980. Kinetic study of serum lipoproteins, total cholesterol and triacylglycerides in various models of experimental rodent malaria. Ann. Trop. Med. and Parasitol. 74(1):17-28.
- Mboi, B. and Paat, G. 1978. Malaria in the Indonesian Army. Revue Internat. Serv. de Santé Armées 51(2):143-149.
- Metcalf, C. D. 1979. CAPS jottings on malaria. 3. Malaria militants. 4. Ronald Ross. 5. Antibiotic cocktails. Cent. Afr. J. Med. 25(10):229-233; (11):253-260; (12):273-279.
- Mitra, N. K. and Kunte, A. B. 1977. A profile of malaria cases observed in a service hospital. Med. J. Armed Forces India 33(1):23-30.
- Nurse, G. T. 1979. Iron, the thalassaeemias, and malaria. Lancet 8149:938-940.
- Perrin, L. H. and Coauthors. 1979. Demonstration d'antigènes parasitaires solubles, d'anticorps correspondants et de complexes immuns lors de malaria aiguë. Schweiz. Med. Wochenschr. 109(46):1832-1834.
- Purohit, C. K. and Coauthors. 1979. Epidemiological study of malaria cases detected through P.S.M. laboratory. Indian J. Pub. Health 23(1):35-43.
- Quinn, T. C. and Wyler, D. J. 1980. Resolution of acute malaria (*Plasmodium berghei* in the rat): reversibility and spleen dependence. Amer. J. Trop. Med. and Hyg. 29(1):1-4.
- Rencrica, N. J. and Coleman, R. M. 1979. Altered erythropoiesis during the course of virulent murine malaria. Soc. Expt. Biol. and Med. Proc. 162(3):424-428.
- Shukla, S., Mitra, S. K., Sen, S. K. and Ban, B. 1978. Observations on malaria in an industrial area of Chotonagpur. Indian Med. Assoc. J. 71(12):301-304.
- Stoskopf, M. K. and Beier, J. 1979. Avian malaria in African black-footed penguins. Amer. Vet. Med. Assoc. J. 175(9):944-947.
- Stuart, P. F. 1979. Malaria in rural Quebec: the impossible infection. Canad. Med. Assoc. J. 121(12):1563-1564.
- Taylor, M., Smith, C. C., Khaund, R. R. and

- fected with *Plasmodium falciparum*. WHO Bul. 57(Suppl. 1):101-107.
- Laser, H. and Klein, R. 1979. Haemoglobin S and *P. falciparum* malaria. Nature (London) 280(5723):613-614. Reply by Pasvol, G., Weatherall, D. J. and Wilson, R. J. M.
- Leef, J. L., Strome, C. P. A. and Beaudooin, R. L. 1979. Low temperature preservation of sporozoites of *Plasmodium berghei*. WHO Bul. 57(Suppl. 1):87-91.
- Maier, W. A. and Pieckarski, G. 1979. Serodiagnosis of malaria. *Plasmodium berghei* and *P. falciparum* as antigen for the indirect immune-fluorescence test. Immunitaet u. Infekt. 7(3):75-82. In Ger., Engl. Sum.
- McGhee, R. B. and Weathersby, A. B. 1979. Variations in the virulence of *Plasmodium gallinaceum* for avian embryos after repeated passages in mosquitos and chickens. WHO Bul. 57(Suppl. 1):227-229.
- McGregor, I. A. 1979. Basic considerations concerning field trials of malaria vaccines in human populations. WHO Bul. 57(Suppl. 1):267-271.
- Michell, G. H. and Coauthors. 1979. Nor-MDP, saponin, corynebacteria, and pertussis organisms as immunological adjuvants in experimental malaria vaccination of macaques. WHO Bul. 57(Suppl. 1):189-197.
- Mrema, J. E. K. and Coauthors. 1979. Harvest of *Plasmodium falciparum* merozoites from continuous culture. WHO Bul. 57(Suppl. 1):63-68.
- Nardin, E., Gwadz, R. W. and Nussenzeig, R. S. 1979. Characterization of sporozoite surface antigens by indirect immunofluorescence: detection of stage- and species-specific antimalarial antibodies. WHO Bul. 54(Suppl. 1):211-217.
- Nardin, E. H., Nussenzeig, R. S., McGregor, I. A. and Bryan, J. H. 1979. Antibodies to sporozoites: their frequent occurrence in individuals living in an area of hyperendemic malaria. Science 206(4418):597-599.
- Pacheco, N. D., McConnell, E. and Beaudooin, R. L. 1979. Duration of immunity following a single vaccination with irradiated sporozoites of *Plasmodium berghei*. WHO Bul. 57(Suppl. 1):159-163.
- Playfair, J. H. L. 1979. Lethal *Plasmodium yoelii* malaria: the role of macrophages in normal and immunized mice. WHO Bul. 57(Suppl. 1):245-246.
- Playfair, J. H. L. and Coauthors. 1979. Cell-mediated immunity in the liver of mice vaccinated against malaria. Nature (London) 282(5740):731-734.
- Poels, L. G. and Coauthors. 1979. Malaria infection in mice. *Plasmodium berghei* infection in mice: a model for immune complex disease and autoimmunity. Adv. in Expt. Med. and Biol. 114:647-654.
- Powell, R. D. 1979. Malaria vaccine development. WHO Bul. 57(Suppl. 1):273-275.
- Quinn, T. C. and Wyler, D. J. 1979. Mechanisms of action of hyperimmune serum in mediating protective immunity to rodent malaria (*Plasmodium berghei*). J. Immunol. 123(5):2245-2249.
- Reese, R. T., Langreth, S. G. and Trager, W. 1979. Isolation of stages of the human parasite *Plasmodium falciparum* from culture and from animal blood. WHO Bul. 57(Suppl. 1):33-61.
- Rieckmann, K. H., Beaudooin, R. L., Cassells, J. S. and Sell, K. W. 1979. Use of attenuated sporozoites in the immunization of human volunteers against *falciparum* malaria. WHO Bul. 57(Suppl. 1):261-265.
- Rieckmann, K. H. and Coauthors. 1979. Immunization of rhesus monkeys with blood-stage antigens of *Plasmodium knowlesi*. WHO Bul. 57(Suppl. 1):139-151.
- Schmidt-Ullrich, R., Wallach, D. F. H. and Lightholder, J. 1979. Fractionation of *Plasmodium knowlesi*-induced antigens of rhesus monkey erythrocyte membranes. WHO Bul. 57(Suppl. 1):115-121.
- Siddiqui, W. A. and Coauthors. 1979. Immunization of experimental monkeys against *Plasmodium falciparum*: use of synthetic adjuvants. WHO Bul. 57(Suppl. 1):199-203.
- Siddiqui, W. A., Kan, S. C., Kramer, K. and Richmond-Crum, S. M. 1979. *In vitro* production and partial purification of *Plasmodium falciparum* antigen. WHO Bul. 57(Suppl. 1):75-82.
- Speer, C. A. and Silverman, P. H. 1979. Recent advances in applied malaria immunology. Z. f. Parasitenkunde 60(1):3-17.
- Tanabe, K. 1978. Immunosuppression induced by *Plasmodium berghei* and *P. chabaudi* infections in mice. Osaka City Med. J. 24(1):73-90. [Date of 1979 on article apparently in error.]
- Taylor, D. W. and Siddiqui, W. A. 1979. A study of cellular and humoral immune responses in owl monkeys (*Aotus trivirgatus*) following vaccination against *Plasmodium falciparum*. WHO Bul. 57(Suppl. 1):247-253.
- Terzakis, J. A., Vanderberg, J. P., Foley, D. and Shustak, S. 1979. Exoerythrocytic merozoites of *Plasmodium berghei* in rat hepatic Kupffer cells. J. Protozool. 26(3):385-389.

- Trager, W. 1979. Recent developments in enlarging the scale of production of *Plasmodium falciparum* *in vitro*. WHO Bul. 57(Suppl. 1):85-86.
- Weinstok, H., Garces F., J. L., Soto, J. B. and Rodriguez R., J. 1980. Immunodiagnosis of malaria infections by the National Malaria Eradication Service (SNEM) of Costa Rica. Bol. Ofic. Sanit. Panamer. 88(1):1-9. In Sp., Engl. Sum.
- Weissberger, H., Golenser, J. and Spira, D. T. 1979. Soluble antigens released *in vitro* from erythrocytes infected with *Plasmodium berghei*. WHO Bul. 57(Suppl. 1):83.
- Wellde, B. T., Diggs, C. L. and Anderson, S. 1979. Immunization of *Aotus trivirgatus* against *Plasmodium falciparum* with irradiated blood forms. WHO Bul. 57(Suppl. 1):153-157.
- Wernsdorfer, W. H. 1979. The orientation of immunological research in relation to global antimalaria programme. WHO Bul. 57(Suppl. 1):11-15.
- Wilson, R. J. M. and Ling, I. 1979. Fractionation and characterization of *Plasmodium falciparum* antigens. WHO Bul. 57(Suppl. 1):123-133.
- Wood, D. E. and Coauthors. 1979. The use of membrane screen filters in the isolation of *Plasmodium berghei* sporozoites from mosquitos. WHO Bul. 57(Suppl. 1):69-74.
- World Health Organization. 1979. Immunology of malaria. WHO Bul. 57(Suppl. 1):1-290.
- Wyler, D. J. 1979. Cellular aspects of immunoregulation in malaria. WHO Bul. 57(Suppl. 1):239-243.
- Malaria—Parasites*
- Autori, M. J. 1979. Mean cytoplasmic protein concentration of host erythrocytes and the reticulocyte response in *Plasmodium berghei* infected mice. Experientia 35(12):1579-1580.
- Chen, Z. and Coauthors. 1980. Studies on the cultivation of erythrocytic stage *Plasmodium* *in vitro*. Chinese Med. J. (Peking) 93(1):31-35. In Engl.
- Collins, W. E. and Coauthors. 1979. Infectivity of *Plasmodium simium* to *Aotus trivirgatus* monkeys and different anophelines. J. Parasitol. 65(6):870-874.
- Eugui, E. M. and Allison, A. C. 1979. Separation of erythrocytes infected with murine malaria parasites in metrizamide gradients. Parasitology 79(2):267-275.
- Gad, A. M., Maier, W. A. and Piekarski, G. 1979. Pathology of *Anopheles stephensi* after infection with *Plasmodium berghei* *berghei*. I. Mortality rate. Z. f. Parasitenkunde 60(3):249-261.
- Gad, A. M., Maier, W. A. and Piekarski, G. 1979. Pathology of *Anopheles stephensi* after infection with *Plasmodium berghei* *berghei*. II. Changes in amino acid contents. Z. f. Parasitenkunde 60(3):263-276.
- Langreth, S. G. and Reese, R. T. 1979. Antigenicity of the infected-erythrocyte and merozoite surfaces in *falciparum* malaria. J. Expt. Med. 150(5):1241-1254.
- Langreth, S. G., Reese, R. T., Motyl, M. R. and Trager, W. 1979. *Plasmodium falciparum*: loss of knobs on the infected erythrocyte surface after long-term cultivation. Expt. Parasitol. 48(2):213-219.
- Markus, M. B. 1978. Terminology for invasive stages of Protozoa of the subphylum Apicomplexa (Sporozoa). South Afr. J. Sci. 74(3):105-106. [*Plasmodium* included.]
- Mutetwa, S., Liston, A. J. and Last, C. 1980. An improved method for the cryopreservation of *Plasmodium* populations. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):116.
- Sherman, I. W. and Jones, L. A. 1979. *Plasmodium lophurae*: membrane proteins of erythrocyte-free plasmodia and malaria-infected red cells. J. Protozool. 26(3):489-501.
- Sinden, R. E. and Smalley, M. E. 1979. Gametocytogenesis of *Plasmodium falciparum* *in vitro*: the cell-cycle. Parasitology 79(2):277-296.
- Sinden, R. E. and Smith, J. 1980. Culture of the liver stages (exoerythrocytic schizonts) of rodent malaria parasites from sporozoites *in vitro*. Roy. Soc. Trop. Med. and Hyg. Trans. 74(1):134-136.
- Tiburskaya, N. A. and Kulikov, Yu. A. 1980. On the number of the merozoites in meroles of various *P. vivax* strains. Med. Parazit. i Parazit. Bolezni 49(1):79-80. In Rus.
- Young, M. D., Greiner, E. C. and Forrester, D. J. 1979. Unusual mixed hemosporidian infections in turkey blood cells. J. Parasitol. 65(6):978-979. [*Plasmodium hermani* included.]
- Malaria—Simian*
- Schmidt, L. H. and Coauthors. 1980. The course of untreated *Plasmodium inui* infec-

- tions in the rhesus monkey (*Macaca mulatta*). Amer. J. Trop. Med. and Hyg. 29(2):158-169.
- Malaria—Therapeutics and Antimalarials**
- Carroll, F. I., Berrang, B. D. and Linn, C. P. 1979. Synthesis of 4-alkyl and 4-(β -alkylvinyl) derivatives of primaquine as potential antimalarials. J. Medicinal Chem. 22(11):1363-1367.
- Copper, J. R. 1979. Which prophylactic drugs for malaria? Brit. Med. J. 6197:1071-1072.
- Ekanem, O. J. 1978. Has *Azadirachta indica* (Dongoyaro) any antimalarial activity? Nigerian Med. J. 8(1):8-10.
- Fink, E., Minet, G. and Nickel, P. 1979. Chloroquine enantiomers. Activity against *P. vinckeii* and binding on DNA. Arzneimittelforsch. 29(1):163-164. In Ger., Engl. Sum.
- Haberkorn, A., Kraft, H. P. and Blaschke, G. 1979. Antimalarial activity in animals of the optical isomers of chloroquine diphosphate. Tropenmed. u. Parasitol. 30(3):308-312.
- Jefferson, N. A. and Coauthors. 1979. ^1H -NMR effects in chloroquine-biopolymer binding interactions. Physiol. Chem. and Physics 11(3):233-239.
- Klayman, D. L., Scovill, J. P., Bartosevich, J. F. and Mason, C. J. 1979. 2-acetylpyridine thiosemicarbazones. 2. N^4,N^4 -disubstituted derivatives as potential antimalarial agents. J. Medicinal Chem. 22(11):1367-1373.
- Koontz, L. C., Jacobs, R. L., Lummis, W. L. and Miller, L. H. 1979. *Plasmodium berghei*: uptake of clindamycin and its metabolites by mouse erythrocytes with clindamycin-sensitive and clindamycin-resistant parasites. Expt. Parasitol. 48(2):206-212.
- Kouznetsov, R. 1979. Recours aux médicaments pour la lutte antipaludique en Afrique tropicale. WHO Bul. 57(5):691-696.
- Labat, P. and Coauthors. 1979. Retinopathy due to amino-4-quinoine group of the synthetic antimalarial drugs. Med. Trop. (Marseille) 39(3):307-313. In Fr., Engl. Sum.
- Legrand, L. and Coauthors. 1979. Acides carboxyliques dérivés de la quinazoline thione-4 ou de la quinazolinone-4. Eur. J. Medicinal Chem. 14(4):357-362.
- Mondain, J., Gras, G. and Ndiaye, P. D. 1979. Tissular distribution of chloroquine in 18 cases of voluntary intoxication. Soc. de Path. Exot. Bul 72(1):86-92. In Fr., Engl. Sum.
- Qinghaosu Antimalaria Coordinating Research Group. 1979. Antimalaria studies on Qinghaosu. Chinese Med. J. (Peking) 92(12):811-816. In Engl.
- Richards, W. H. G. 1979. Some promising leads in experimental antimalarial drugs. Reprinted from Advances in Pharmaceutical Therapy 10:71-78.
- Ritschel, W. A., Hammer, G. V. and Thompson, G. A. 1978. Pharmacokinetics of antimalarials and proposals for dosage regimens. Internat. J. Clin. Pharmacol. and Biopharmacy 16(9):395-401.
- Scheibel, I. W., Adler, A. and Trager, W. 1979. Tetraethylthiuram disulfide (Antabuse) inhibits the human malaria parasite *Plasmodium falciparum*. Natl. Acad. Sci. USA Proc. 76(10):5303-5307.
- Sucharit, P. and Eamsobhana, P. 1980. In vitro response of *Plasmodium falciparum* in Thailand to antimalarial drugs. Ann. Trop. Med. and Parasitol. 74(1):11-16.
- Tolleshaug, H. and Berg, T. 1979. Chloroquine reduces the number of asialoglycoprotein receptors in the hepatocyte plasma membrane. Biochem. Pharmacol. 28(19):2919-2922.
- Wise, D. L., Gresser, J. D. and McCormick, G. J. 1979. Sustained release of a dual antimalarial system. J. Pharmacy and Pharmacol. 31(4):201-204.
- Malaria—Antimalarials—Resistance**
- Bruce-Chwatt, L. J. 1979. Chloroquine-resistant *Plasmodium falciparum* in Africa. Lancet 8156/7:1374-1375.
- Campbell, G. C. and Coauthors. 1979. Chloroquine-resistant *Plasmodium falciparum* from East Africa: cultivation and drug sensitivity of the Tanzanian I/CDC strain from an American tourist. Lancet 8153:1151-1154.
- Merkli, B., Richle, R. and Peters, W. 1980. The inhibitory effect of a drug combination on the development of mefloquine resistance in *Plasmodium berghei*. Ann. Trop. Med. and Parasitol. 74(1):1-10.
- Malaria—Vectors**
- Collins, R. T. and Coauthors. 1979. A study of the coastal malaria vectors, *Anopheles surdaicus* (Rodenwaldt) and *Anopheles subpictus* Grassi, in South Sulawesi, Sulawesi, Indonesia. WHO/MAL/79.913, WHO/VBC/79.740, 12 pp.

LIGHT AND OTHER TRAP STUDIES

- Pfuntner, A. R. 1979. A modified CO₂-baited miniature surveillance trap. Soc. Vector Ecologists Bul. 4:31-35.
- Service, M. W. and Highton, R. B. 1980. A chemical light trap for mosquitoes and other biting insects. J. Med. Ent. 17(2):183-185. [Anopheles, Aedes, Mansonia, Culex included.]
- Smith, T. A., Bebout, R. J. and Quintana, A. P. 1979. A comparison of two types of miniature mosquito light traps. Soc. Vector Ecologists Bul 4:28-30.

LITERATURE REFERENCES AND REVIEWS

- Houpeau, J. L. and Mallardeau, J. 1979. Bulletin Analytique d'Entomologie Médicale et Vétérinaire 26(7):1-31; 26(10, pt. 1):1-32; 26(10, pt. 2):1-31.
- Moussiegt, O. 1979. *Aedes (Aedimorphus) vexans* (Meigen, 1830). Bibliographie. Entente Interdépt. pour Démoustication du Littoral Méditerranéen. Fr. Doc. No. 42, 104 pp.
- Rodhain, F., Boutonnier, A. and Coulanges, P. 1978. Bibliographie des Culicidés de Madagascar. Arch. Inst. Pasteur Madagascar 46(1):485-495.
- Sollers-Riedel, H. 1980. Literature references to mosquitoes and mosquito-borne diseases. 1980—Part I. Mosquito News 40(1):131-151.

BIOGRAPHY AND HISTORY

- Beaver, P. C. 1979. Ernest Carroll Faust (1890-1978). J. Parasitol. 65(6):956-957.
- de Freitas, C. A. 1978. À mémoire de Oswaldo Cruz. Rev. Brasil. de Malaria. 30:129-133.
- Mulhern, T. D. 1980. Harry Hutchinson Stage 1894-1979. Mosquito News 40(1):127-129. Photograph included. [Mr. Stage was the originator of the Bibliography Section in Mosquito News.]
- Tiburskaya, N. A. and Dukhanina, N. N. 1980. In memory of P. G. Shute (investigations by P. G. Shute of *Plasmodium vivax* strains). Med. Parazit. i Parazit. Bolezni 49(1):87-90.
- Wegner, Z. 1979. Assistant Professor Barbara Skierska, Ph.D. (1928-1978). Inst. Maritime and Trop. Med. Gdynia Bul. 30(2):217-219.

SUBJECTS NOT COVERED BY OTHER HEADINGS

- Barrière, H., Litoux, P. and Faucheuix, M. 1979. Images de divers parasites humains en microscopie électronique à balayage. Ann. Dermatol. Venereol. (Paris) 106(5):511-515. [*Culex pipiens pipiens* included.]
- Pilchard, E. I. 1979. The world situation for animal health and disease information. Amer. Vet. Med. Assoc. J. 175(12):1297-1300. [Data banks.]
- World Health Organization. 1980. MEDDIA slide series on some tropical diseases. WHO/SCHISTO/80.47, WHO/MAL/80.916. 4 pp.

BOOKLETS AND REPORTS

- Des Plaines Valley Mosquito Abatement District (Lyons, Illinois). 1979. Fifty-second annual report, 10 pp. Pub. 1980.
- Ross Institute of Tropical Hygiene. 1978. Mosquito studies at the Ross Institute of Tropical Hygiene, London. Progress Report No. 35 (January to June 1978). 22 pp.

BOOKS

- Leclercq, M. 1978. Entomologie et médecine légale. 100 pp., New York, Masson Publishing.
- Lumsden, W. H. R., Muller, R. and Baker, J. R. (Editors). 1978. Advances in parasitology. Vol. 16. 376 pp., London. Academic Press Inc.
- Richards, O. W. and Davies, R. G. 1978. Imms' outlines of entomology. 6th edition. 254 pp., London. Chapman and Hall.
- Sarkar, S. K. 1978. Handbook of medical parasitology and clinical pathology. 337 pp., Calcutta. Current Books International.
- Sollers-Riedel, H. 1978. 1977 world trends in activities concerning mosquitoes and disease. N. J. Mosquito Cont. Assoc. Proc. 65(Suppl.), 50 pp. Published 1980.
- World Health Organization. 1979. Specifications for pesticides used in public health. Fifth edition. 327 pp.