

LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

1977—PART I

HELEN SOLLERS-RIEDEL¹

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

FUMIGANTS

Luberga, R. 1973. The use of smouldering mosquito coils against house frequenting mosquitoes. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):208.

ADULTICIDES, LARVICIDES AND OVICIDES

Brust, R. A. and Ellis, R. A. 1976. Assessment of the emergency mosquito control operation in Manitoba, 1975. Canad. J. Pub. Health 67(Suppl. 1):69-71.

Brust, R. A., Ellis, R. A. and Plews, K.W. 1976. Guidelines for mosquito control in Manitoba. Environmental Management Div. Inf. Ser. No. 12, 19 pp.

Chambers, G. V. 1973. Hypoxia: a safe, effective approach to mosquito control with Flit MLO^(R). Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):207.

Eliason, D. A. and Coauthors. 1973. The impact of ULV malathion on *Anopheles albimanus* populations and epidemic *Plasmodium falciparum* malaria. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):254. [In Haiti.]

Fontaine, R. E. and Coauthors. 1976. Evaluation of fenitrothion (OMS 43) for malaria control in a large-scale epidemiological trial, Kisumu, Kenya. WHO/VBC/76.645, 43 pp.

Fontaine, R. E. and Joshi, G. 1973. Results of entomological evaluations of fenitrothion (OMS-43) as a residual spray for the control of malaria vectors near Kisumu, Kenya. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):256-257. [Fenitrothion in original. *Anopheles gambiae* and *A. funestus*.]

Hamed, M. S., Guneidy, A. M., Riad, Z. M. and Soliman, A. A. 1973. Histological and histochemical studies on *Anopheles pharoensis* larvae treated with insecticides. Internat. Cong.

Trop. Med. and Malaria (Athens) 9(2):189-190.

Hobbs, J. and Mason, J. 1973. A field trial of propoxur as a residual house spray in El Salvador. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):257. [Word *trial* left out in original.]

Hollar, R. 1975. Ground application of ULV. Utah Mosquito Abat. Assoc. Proc. 28:21.

Micks, D. W. and Chambers, G. V. 1973. Efficacy of specifically-developed petroleum hydrocarbons as *Anopheles* control agents. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):211. [Against larvae of *Anopheles maculatus* Theo., *A. albimanus* and *Culex pipiens quinquefasciatus*.]

Micks, D. W. and Rougeau, D. 1976. Entry and movement of petroleum derivatives in the tracheal system of mosquito larvae. Mosquito News 36(4):449-453.

Mojamdar, V. G. 1975. Response of malaria vectors to insecticides in South Gujarat. Indian J. Publ. Health 19(3):107-114.

Motabar, M., Eshghy, N., Mesghaki, A. and Sanai, G. 1973. Field trial of Sumithion (OMS-43) in the Mamasani area, southern Iran, 1972. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):320-321. [*Anopheles stephensi*.]

Mouchet, J. and Vervent, G. 1973. Evaluation of insecticides against fourth instar anophelines at the Soumouso station (Upper Volta) from 1971 to 1972. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):257-258. In Fr.

Mulla, M. S. 1973. Conventional and novel mosquito larvicides. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):255.

Popov, N. A., Vershinin, P. V. and Ponomarenko, V. F. 1974. Prospects for the use of the preparation of difos against insects of medical importance. Zhur. Mikrobiol. Epidemiol. i Immunobiol. No. 5:127-128. In Rus., Engl. Sum. [*Anopheles messeae* included.]

Subra, R. and Hebrard, G. 1973. Prospects offered by antilarval measures for the control of *Anopheles gambiae* on Mayotte and Grande Comore (Comores Archipelago). Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):258. In Fr.

Taylor, B. 1975. Changes in the feeding be-

¹ This work was supported, in part, by Grant LM 01786 from the National Library of Medicine, National Institutes of Health, U.S. DHEW

- haviour of a malaria vector, *Anopheles farauti* Lav., following use of DDT as a residual spray in houses in the British Solomon Islands Protectorate. Roy. Ent. Soc. London Trans. 127(3):277-292.
- Van Seventer, H. A. 1974. Tests with OMS-1804 on *Aedes aegypti* larvae. Internat. Congress Parasitol. (Munich) Proc. 3(2):987.
- Warren, J. W. 1975. Baygon 1 MOS—new formulation of propoxur for mosquito and fly control. Utah Mosquito Abat. Assoc. Proc. 28:22.

GROWTH REGULATORS

- Baldwin, W. F. and Chant, G. D. 1976. Tests of a growth regulator on mosquitoes (Diptera: Culicidae) at Chalk River. Canad. Ent. 108 (11):1153-1154.
- Dame D. A. and Coauthors. 1976. Laboratory and field assessment of insect growth regulators for mosquito control. Mosquito News 36(4):462-472.
- Judson, C. L. and de Lumen, H. Z. 1976. Some effects of juvenile hormone and analogues on ovarian follicles of the mosquito *Aedes aegypti* (Diptera: Culicidae). J. Med. Ent. 13(2):197-201.
- Miura, T., Schaefer, C. H., Takahashi, R. M. and Mulligan, F. S., III. 1976. Effects of the insect growth inhibitor, Dimilin,[®] on hatching of mosquito eggs. J. Econ. Ent. 69(5):655-658.
- Naqvi, S. N. H., Rashid, S. and Ashrafi, S. H. 1976. Effect of Altosid (JHA-ZR 515) on *Aedes aegypti* (PCRSIR strain). Z. Angew. Ent. 80(3):316-324.
- Skuhravy, V. and Sehna, F. 1973. Inhibition of metamorphosis by juvenoids in the gall midge *Dasyneura laricis* (F. Loew) (Dipt., Cecidomyiidae). Z. Angew. Ent. 74(2):217-220. In Engl. [Mosquitoes noted.]

MOSQUITO CONTROL AGENCY PROBLEMS

- Low, J. B., Rees, D. M. and Regenthal, A. 1975. 1975 report of the Utah Mosquito Control—Fish and Wildlife Management Coordinating Committee. Utah Mosquito Abat. Assoc. Proc. 28:23.
- Romney, S. V. 1975. Uintah County Mosquito Abatement District. First year report. Utah Mosquito Abat. Assoc. Proc. 28:2-3.

PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

- Chapman, H. C. 1976. Biological control agents of mosquitoes. Mosquito News 36(4):395-397. [Presidential address.]
- Chapman, H. C. 1977. The present limitations of

- biological control of public health insects. Pest Control 45(1):13-14.
- Davey, R. B., Meisch, M. V. and Carter, F. L. 1976. Toxicity of five ricefield pesticides to the mosquitofish, *Gambusia affinis*, and green sunfish, *Lepomis cyanellus*, under laboratory and field conditions in Arkansas. Environmd. Ent. 5(6):1053-1056.
- Dzerzhinsky, V. A., Dubitsky, A. M., Nam, E. A. and Lopatin, O. E. 1976. Detection of Infusoria *Tetrahymena stegomyiae* (Keilin) in *Culex pipiens molestus* and *Aedes aegypti* mosquito larvae. Med. Parazit. i Parazit. Bolezni 45(5):616-617. In Rus., Engl. Sum.
- Fukuda, T., Lindegren, J. E. and Chapman, H. C. 1976. *Helicosporidium* sp. a new parasite of mosquitoes. Mosquito News 36(4):514-517.
- Hall, D. W. and Anthony, D. W. 1976. An "R" type iridovirus from *Aedes vexans* (Meigen). Mosquito News 36(4):536-537.
- Hirose, Y. 1976. Observations on the overwintering *Gambusia affinis* (the mosquito fish) in Tokushima City. Jap. J. Sanit. Zool. 27(3):311-312. In Jap.
- Kalvish, T. K. 1973. Entomopathogenous fungi injurious to insects in Siberia and Kazakhstan. Biol. Inst. Sibir. Otdel. Akad. Nauk SSSR Trudy 14:254-263. In Rus. [*Aedes* and *Culex* included.]
- Kononko, A. G. 1976. Vital study of the fat body of *Aedes aegypti* L. mosquito larvae affected with denonucleosis virus. Med. Parazit. i Parazit. Bolezni 45 (5):614-616. In Rus., Engl. Sum.
- Laird, M. 1973. Biological control and *Anopheles*, prospects and priorities. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):263-264.
- Legner, E. F., Yu, H. S., Medved, R. A. and Badgley, M. E. 1975. Mosquito and chironomid midge control by planaria. California Agr. 29(11):3-6.
- Levy, R., Murphy, L. J., Jr. and Miller, T. W., Jr. 1976. Effects of a simulated aerial spray system on a mermithid parasite of mosquitoes. Mosquito News 36(4):498-501.
- Mitchell, C. J. 1976. *Coelomomyces psorophorae*, an aquatic fungus parasitizing *Aedes vexans* mosquito larvae in Knox County, Nebraska. Mosquito News 36(4):501-505.
- Petersen, J. J. 1975. Recycling of the nematode *Reesimermis nielsenii* during 1975 in *Anopheles crucians* in Louisiana. Utah Mosquito Abat. Assoc. Proc. 28:17-18.
- Undeen A. H. and Alger, N. E. 1976. *Nosema algerae*: infection of the white mouse by a mosquito parasite. Expt. Parasitol. 40(1):86-88. [*Anopheles*.]
- Watkins, J. and Yarbrough, J. D. 1975. Aldrin and dieldrin uptake in insecticide-resistant and susceptible mosquitofish (*Gambusia affinis*). Bul. Environmtl. Contam. and Toxicol. 14(6):731-737.

VARIOUS TYPES OF CONTROL

- Brooke, J.P. 1976. Trends in insect vector control outside the U.S.A. *Mosquito News* 36(4):402-411. [Includes mosquitoes.]
- Collert, G. C. 1976. Wetlands. *Mosquito News* 36(4):415. [Part of panel discussion on water resources projects in relation to mosquito production and control.]
- Cooney, J. C. 1976. Impoundments. *Mosquito News* 36(4):413-414. [Part of panel discussion on water resources projects in relation to mosquito production and control.]
- Ezell, W. B., Jr. 1976. Dredged spoils. *Mosquito News* 36(4):412-413. [Part of panel discussion on water resources projects in relation to mosquito production and control.]
- Hayes, R. O. 1976. Water resources projects in relation to mosquito production and control. *Mosquito News* 36(4):412. [Moderator on panel discussion.]
- Helm, R. W. 1975. Mosquito control techniques in a suburban area of New Jersey. *Utah Mosquito Abat. Assoc. Proc.* 28:19-20.
- Kramer, M. C. 1976. Irrigation developments. *Mosquito News* 36(4):414-415. [Part of panel discussion on water resources projects in relation to mosquito production and control.]
- Mitchell, C. J. 1976. Planning. *Mosquito News* 36(4):416-417. [Part of panel discussion on water resources projects in relation to mosquito production and control.]
- Schliessmann, D. J. 1976. Construction principles. *Mosquito News* 36(4):416. [Part of panel discussion on water resources projects in relation to mosquito production and control.]
- Sjogren, R. D. 1976. Mosquito control in Minnesota: techniques used in metropolitan and rural programs. *Mosquito News* 36(4):432-436.

ATTRACTANTS AND REPELLENTS

- Thorsell, W. 1974. Reaction of mosquitoes on different plant extracts. *Internatl. Congress Parasitol. (Munich) Proc.* 3(2):909.

RESISTANCE AND SUSCEPTIBILITY

- Ariaratnam, V. and Georghiou, C. P. 1973. Carbamate-resistance in *Anopheles albimanus*: cross-resistance characteristics, inheritance pattern and carbaryl metabolism. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(2):208.
- El-Said, S., El-Sayed, S. A., Kaschef, A. H. and Soliman, A. A. 1973. Susceptibility of *A. pharoensis* Theo. to insecticides and a comparative analysis for its resting behaviour on both unsprayed and sprayed wall surfaces. *Internatl.*

- Cong. Trop. Med. and Malaria (Athens)* 9(2):210-211.
- Georghiou, G. P. 1973. Character, ecology and evolution of organophosphorus and carbamate resistance in *Anopheles albimanus*. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(1):258-259.
- Ghosh, R. N. and Ray, B. G. 1974. An observation on the study of resistance of *Culex pipiens fatigans* (Wied.) collected from Calcutta against DDT. *Indian J. Pub. Health* 18(4):189-191.
- Hamed, M. S., Guneidy, A. M., Riad, Z. M. and Soliman, A. A. 1973. Inheritance of DDT-resistance in *Anopheles pharoensis* larvae. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(2):191.
- Haridi, A. M. 1973. Insecticide resistance in the *Anopheles gambiae* complex. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(1):259-260.
- Loekman, A. 1973. Insecticide resistance in Indonesia. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(2):208-209. [*Anopheles aconitus*, *A. sundaicus*.]
- Manouchehri, A. V., Zaini, A. and Eshghi, N. 1974. Present status of the susceptibility level of anopheline mosquitoes to insecticides in Iran. *Ent. Soc. Iran J.* 2(1):41-42.
- Mouchet, J. and Quiroga, M. 1976. La résistance aux insecticides chez les Culicines. *Ent. Méd. Parasitol. Cah.* 14(2):111-123. *Engl. Sum.*
- Pal, R. 1973. The present status of insecticide resistance in anopheline mosquitoes. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(1):260.
- Palmisano, C. T., Steelman, C. D. and Schilling, P. E. 1976. Relative effects of insecticide usage in Louisiana mosquito control programs on the susceptibility of adult female *Culex pipiens quinquefasciatus* populations. *Mosquito News* 36(4):521-527.
- Quiroga, M. and Coauthors. 1976. Action d'un analogue du DDT (OMS 1476) sur des souches de moustiques sensibles et résistantes au DDT. *Ent. Méd. Parasitol. Cah.* 14(2):89-92. *Engl. Sum.*
- Ramsdale, C. D. 1973. Insecticide resistance in the anophelines of Turkey. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(1):260-261.
- Sinegre, G., Julien, J. L. and Gaven, B. 1976. Acquisition progressive de la résistance au chlorpyrifos chez les larves de *Culex pipiens* (L.) dans le midi de la France. *Entente Interdepart. Pour Demoustication du Littoral Mediter.* Doc. No. 31, 14 pp.
- Teodorescu, C. 1974. Recherches sur le potentiel épidémiologique d'une population d'*Anopheles* du nord de la Roumaine, résistance aux insecticides organochlores. *Internatl. Congress Parasitol. (Munich) Proc.* 3(2):908-909.

- Teodorescu, C. and Ungureanu, E. 1974. Sur les changements de la sensibilité des vecteurs du paludisme de Moldavie apparus sous la pression des insecticides appliqués dans le secteur agrozootechnique. Internat. Congress Parasitol. (Munich) Proc. 3(2):987-988.
- World Health Organization. 1976. Information circular on insecticide resistance, insect behaviour and vector genetics. VBC/IRG/76.36, 20 pp.
- Zahar, A. R. and Davidson, G. 1973. The practical implication of resistance of malaria vectors to insecticides. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):261-262.

PESTICIDES AND CHEMICALS

- Allen, S. D. 1975. Pesticide residue dynamics. Utah Mosquito Abat. Assoc. Proc. 28:15-16.
- Boize, L. M., Matthews, G. A. and Kuntha, C. 1975. Controlled droplet size application for residual spraying inside dwellings. Brit. Insecticide and Fungicide Conf. 8 Proc. vol. 1:183-187. [*Aedes aegypti*.]
- Downs, R. J. 1975. The status of pesticide legislation. Utah Mosquito Abat. Assoc. Proc. 28:13-14.
- Fitzpatrick, G. and Sutherland, D. J. 1976. Residues in fish, wildlife, and estuaries. Uptake of the mosquito larvicide temephos by the salt marsh snail, New Jersey—1973-74. Pesticides Monitoring J. 10(1):4-6. [Abate.]
- Forsyth, D. J., Peterle, T. J. and White, G. C. 1975. A preliminary model of DDT kinetics in a one-field ecosystem. Environmtl. Quality and Safety (Suppl.) 3:754-759.
- Freed, V. H. and Snelson, J. T. 1975. Need for international standardization of basic pesticide registration: requirements, testing and environmental rules and procedures. FAO Plant Protection Bul. 23(3-4):130-136.
- Peterson, R. V., Koehler, P. G., Hayden, D. L. and Ulmer, F. M. 1976. Analysis of controlled variables as they affect ULV droplet distribution. Mosquito News 36(4):446-449.
- Ruber, E. and Kocor, R. 1976. The measurement of upstream migration in a laboratory stream as an index of potential side-effects of temephos and chlorpyrifos on *Gammarus fasciatus* (Amphipoda, Crustacea). Mosquito News 36(4):424-429.
- Thayer, A. and Ruber, E. 1976. Previous feeding history as a factor in the effects of temephos and chlorpyrifos on migration of *Gammarus fasciatus* (Amphipoda, Crustacea). Mosquito News 36(4):429-432.

BEHAVIOR, BIOLOGY AND ECOLOGY

- Basio, R. G. and Magluyan, L. J. 1975. On Philip-

- pine mosquitoes. XVII. Swarming and landing/biting habits of some species. Kalikasan Philippine J. Biol. 4(3):198-204.
- Blatger, J. and Larrouy, G. 1975. Obtention de morphogrammes aberrants dans une souche de *Culex pipiens autogenicus*. Soc. Hist. Naturelle Toulouse Bul. 111(1-2):39-43.
- Chandler, J. A. and Highton, R. B. 1976. The breeding of *Anopheles gambiae* Giles (Diptera: Culicidae) in rice fields in the Kisumu area of Kenya. J. Med. Ent. 13(2):211-215.
- Crans, W. J., Downing, J. D. and Slaff, M. E. 1976. Behavioral changes in the salt marsh mosquito, *Aedes sollicitans*, as a result of increased physiological age. Mosquito News 36(4):437-445.
- Crosan, S. and Witter, J. A. 1975. Distribution and abundance of mosquitoes in a wetland ecosystem. N. Central Branch Ent. Soc. Amer. Proc. 30:115-122.
- Dalibon, L. and Mas, J. P. 1976. Geomorphologie et hydrologie des aires culicidogenes de l'île de Re. Soc. Sci. Nat. Charente-Maritime Ann. 6(3):203-217.
- Daschaudhuri, P. C. 1973. Indoor swarming of the mosquito, *Culex pipiens fatigans* Wiedemann, in a suburb of Calcutta. Zool. Soc. Calcutta Proc. 26(2):121-130.
- Eads, R. B. 1976. An unusual larval habitat for *Culiseta melanura*. Mosquito News 36(4):544.
- Eldridge, B. F., Johnson, M. D. and Bailey, C. L. 1976. Comparative studies of two North American mosquito species, *Culex restuans* and *Culex salinarius*: response to temperature and photoperiod in the laboratory. Mosquito News 36(4):506-513.
- Elliott, R. 1973. Physiology and bionomics of malaria vectors in the Americas. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):252-253.
- Fedorova, V. G. 1976. Changes in the fauna and intensity of mosquito attacks under the influence of territory drainage in the Novgorod region. Med. Parazit. i Parazit. Bolezni 45(5):568-573. In Rus., Engl. Sum.
- Gardos, J. and Simek, I. 1976. Influence of the blood meal source on egg production in mosquitoes *Aedes cantans* (Mg.). Biológia (Bratislava) 31(8):631-639. In Czech., Engl. Sum.
- Gerold, J. L. 1973. Evaluation of some parameters for the study of evasive behaviour of *Anopheles gambiae* s.l. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):187.
- Gorham, J. R. 1976. Orchid pollination by *Aedes* mosquitoes in Alaska. Amer. Midland Nat. 95(1):208-210.
- Harada, F., Moriya, K. and Yabe, T. 1976. Observations on the survival and longevity of *Culex* and *Aedes* mosquitoes fed on the flowers of nectar plants (IV supplement). Jap. J. Sanit. Zool. 27(3):307-309. In Jap., Engl. Sum.

- Hervy, J. P. 1976. Rythme nyctéméral d'activité d'*Aedes aegypti* L., dans une localité à haute densité stégomyienne de savane soudanienne ouest-africaine. Ent. Méd. Parasitol. Cah. 14(2):155-172. Engl. Sum. [Name apparently should be Hervé.]
- Hoyer, L. C. and Rozeboom, L. E. 1976. Inheritance of autogeny in the *Aedes scutellaris* subgroup of mosquitoes. J. Med. Ent. 13(2):193-197.
- Ikeuchi, M. 1976. Studies on mosquitoes in the rural environment. Relation of the population of mosquitoes to the feeding of domestic animals. Nad. Inst. Agr. Sci. Bul. Ser. H Farm Mgt. Land Util. No. 48:171-192. In Jap., Engl. Sum. [*Aedes*, *Anopheles* and *Culex*.]
- Istock, C. A., Vavra, K. J. and Zimmer, H. 1976. Ecology and evolution of the pitcher-plant mosquito. 3. Resource tracking by a natural population. Evolution 30(3):548-557.
- Manouchehri, A. V., Djanbakhsh, B. and Eshghi, N. 1976. The biting cycle of *Anopheles atbali*, *A. fluviatilis* and *A. stephensi* in southern Iran. Trop. and Geog. Med. 28(3):224-227.
- Manouchehri, A. V., Javadian, E., Eshghi, N. and Motabar, M. 1976. Ecology of *Anopheles stephensi* Liston in southern Iran. Trop. and Geog. Med. 28(3):228-232.
- McDonald, J. L. 1975. Mosquito control in unusual breeding sites in southern Italy (Diptera: Culicidae). N. Y. Ent. Soc. J. 83(4):267.
- Oda, T., Wada, Y. and Kublow, F. 1974. The follicular development and overwintering of *Culex pipiens*. Internat. Congress Parasitol. (Munich) Proc. 3(2):905.
- Patterson, B. D., Wahba Khalil, S. K., Schermeister, L. J. and Quraishi, M. S. 1975. Plant-insect interactions. I. Biological and phytochemical evaluation of selected plants. Lloydia 38(5):391-403. [*Aedes* included.]
- Paulov, S. and Paulovová, J. 1976. Influence of diet on postembryonal development of mosquitoes (*Culex pipiens molestus*). Biológia (Bratislava) 31(8):625-630. In Czech., Engl. Sum.
- Petrescu, S., Dancescu, P., Colea, A. and Calinescu, A. 1974. Recherches concernant l'espece *Culex pipiens* en Roumanie. Internat. Congress Parasitol. (Munich) Proc. 3(2):907.
- Ree, H. I. and Coauthors. 1976. Studies on over-wintering of *Culex tritaeniorhynchus* Giles in the Republic of Korea. Ent. Méd. Parasitol. Cah. 14(2):105-109. Engl. Sum.
- Rosen, L. and Coauthors. 1976. A field trial of competitive displacement of *Aedes polynesiensis* by *Aedes albopictus* on a Pacific atoll. Amer. J. Trop. Med. and Hyg. 25(6):906-913.
- Russev, B. K. and Kaneva-Abadjieva, V. 1973. Sur la faune du benthos des marais de quelques îles Bulgares du Danube. Hidrobiologia (Bucurest.) 14:255-268. [Culicidae included.]
- Sato, R. and Kamimura, K. 1976. The influence of larval food substances on the egg maturation of *Culex pipiens molestus* and hybrids of *C. p. molestus* and *C. p. pallens*. Jap. J. Sanit. Zool. 27(3):227-230. In Jap., Engl. Sum.
- Scorza, J. V., Rubiano, H. R. and Tallafiero, E. 1973. Ecological observations on *Anopheles nunez-tovari* Gabaldon, 1940 in Venezuela. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):186-187.
- Service, M. W. 1973. Bionomics of the immature stages of *Anopheles gambiae* and the need for improved sampling methods. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):252.
- Soliman, A. A., Rifaat, M. A. and Fahmy, M. T. I. 1973. Ecology and biology of *Anopheles pharaensis* Theobald. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):190.
- Spencer, M. 1973. Bionomics of the *Anopheles punctulatus* Dönitz complex in Papua-New Guinea. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):253. [Dönitz in original.]
- Spencer, T. E. T. 1973. The epidemiological consequences of the bionomics of *Anopheles farauti* Laveran in the Territory of Papua and New Guinea. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):202.
- Subra, R., Mouchet, J. and Brengues, J. 1976 (?). Habitat rural et vecteurs de maladies. Environnement Africain 1(4):78-88. [Mosquitoes included.]
- Wagstaff, K. H. and Minson, K. L. 1975. Some effects of weather on mosquito larval populations in South Salt Lake County. Utah Mosquito Abat. Assoc. Proc. 28:4-8.
- Washino, R. K. 1973. The physiological ecology of overwintering anophelines. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):251. See also Taylor in Adulticides, Larvicides and Ovicides Section.

GENETICS AND GENETIC CONTROL

- Amirkhanian, J. D. 1973. Production of semi-sterility in the mosquito by chemosterilants and chemical mutagens. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):185. [*Culex pipiens molestus*.]
- Amirkhanian, J. D. 1973. The salivary gland chromosomes of *Anopheles stephensi mysorensis* of Iran. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):186.
- Bryan, J. H. 1973. Recent studies on the *Anopheles punctulatus* complex. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):247.
- Coluzzi, M. 1973. Laboratory and field observations on inversion polymorphism in anopheline mosquitoes. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):250-251.

- Cuellar, C. B. 1973. Dynamic considerations in the genetic control of mosquitoes. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):187-188. [Guellar in original.]
- Curtis, C. F., Akiyama, J. and Davidson, G. 1976. A genetic sexing system in *Anopheles gambiae* species A. Mosquito News 36(4):492-498.
- Davidson, G. 1973. Hybrid sterility and *Anopheles gambiae* control: a field experiment and the aftermath. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):262-263.
- Davidson, G. 1973. Recent advances in studies of the *Anopheles gambiae* complex. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):247-248.
- Hamed, M. S., Guneidy, A. M., Riad, Z. M. and Soliman, A. A. 1973. The salivary gland chromosome complement of *Anopheles pharoensis* larvae. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):188.
- Hausermann, W. 1973. Population dynamics of *Aedes aegypti* in East Africa in view of genetic control. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):9.
- Kitzmiller, J. B. 1973. Chromosomal identification of species within the subgenus *Nyssorhynchus*, genus *Anopheles*. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):248-249.
- Kitzmiller, J. B. 1976. Genetics, cytogenetics, and evolution of mosquitoes. Advances in Genetics 18:315-433.
- Kitzmiller, J. B., Kruezer, R. D. and Rabbani, M. G. 1976. Cytotaxonomy and salivary gland chromosomes of *Anopheles (Stethomyia) kompi*. Mosquito News 36(4):483-487.
- Krafsur, E. S. and Davidson, G. 1973. The translocation method as applied to the control of *Anopheles gambiae* species. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):264-265.
- Lecis, A. R. and Marini, G. 1974. Prime ricerche sulla radioprotezione del DMSO su larve di *Anopheles atroparvus* (Diptera: Nematocera). [Comunicazioni]. Bol. di Zoologica (Torino) 41(4):499.
- Macdonald, W. W., Obiamiwe, B. and Wade, J. O. 1973. The genetics of *Culex pipiens fatigans* and of the *Aedes scutellaris* group in relation to their susceptibility to *Brugia* and *Wuchereria*. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):106.
- Preto, G., Scirocchi, A., Coluzzi, M. and Bullini, L. 1974. Polimorfismo per la fosfoglucomutasi in popolazioni italiane di *Culex pipiens* L. [Comunicazioni]. Bol. di Zoologica (Torino) 41(4):514-515.
- Rabbani, M. G., Seawright, J. A. and Kitzmiller, J. B. 1976. The genetics of black larva, an autosomal recessive lethal mutation located on chromosome 3 in the mosquito *Anopheles albimanus*. Canad. J. Genet. and Cytol. 18(1):51-56.
- Sakai, R. K. and Coauthors. 1976. Amylase isozymes in the mosquito, *Culex tritaeniorhynchus*. Canad. J. Genet. and Cytol. 18(1):17-21.
- Seawright, J. A., Grover, K. K., Carlson, D. A. and Agarwal, H. V. 1976. Studies on chemosterilization of *Aedes aegypti*: uptake and persistence of thioepa in pupae and adults, and the competitiveness of sterilized males. Environmt. Ent. 5(5):849-852.
- Seawright, J. A., Kaiser, P. E., Willis, N. L. and Dame, D. A. 1976. Field competitiveness of double translocation heterozygote males of *Aedes aegypti* (L.). J. Med. Ent. 13(2):208-211.
- Shetty, N. J. and Chowdaiah, B. N. 1976. Tests for allelism among certain larval color mutants of *Culex quinquefasciatus*. Mosquito News 36(4):477-482.
- Singh, K. R. P., Curtis, C. F. and Krishnamurthy, B. S. 1976. Partial loss of cytoplasmic incompatibility with age in males of *Culex fatigans*. Ann. Trop. Med. and Parasitol. 70(4):463-466.
- Tadano, T. 1976. A new sex-linked mutant, reddish eye, of the mosquito *Aedes togoi*. Jap. J. Sanit. Zool. 27(3):247-249. In Engl., Jap. Sum.
- Tewfik, H. R. and Barr, A. R. 1976. Paracentric inversion in *Culex pipiens*. J. Med. Ent. 13(2):147-150.
- Uppal, D. K. and Curtis, C. F. 1975. Interference by recessive lethals in the re-isolation of a translocation homozygote in *Aedes aegypti*. J. Genet. 62(2):53-60.
- Wakid, A. M., Tantawy, A. O., Abdel-Malek, A. A. and El-Gazzar, L. M. 1976. Irradiation of the immature stages of the mosquito, *Anopheles pharoensis* Theob., with ⁶⁰Co. Z. Angew. Ent. 80(3):311-316.
- White, G. B. 1973. Cytogenetics, systematics and importance of *Anopheles gambiae* species D. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):249-250.

ANATOMY, MORPHOLOGY AND PHYSIOLOGY

- Adlakha, V. and Pillai, M. K. K. 1976. Role of male accessory gland substance in the regulation of blood intake by mosquitoes. J. Insect Physiol. 22(11):1441-1442.
- Boo, K. S. and Richards, A. G. 1975. Fine structure of the scolopidia in the Johnston's organ of male *Aedes aegypti* (L.) (Diptera: Culicidae). Internat. J. Insect Morphol. and Embryol. 4(6):549-566.
- Chevone, B. I. and Richards, A. G. 1976. Ultrastructure of the atypic muscles associated with

- terminalial inversion in male *Aedes aegypti* (L). Biol. Bul. 151(2):283-296.
- Cohen, E., Lanir, N. and Englander, E. 1976. Morphological effects and metabolism of the molting hormone in *Aedes aegypti* cultured cells. Insect Biochem. 6(4):433-439.
- Davis, E. E. 1976. A receptor sensitive to oviposition site attractants of the antennae of the mosquito, *Aedes aegypti*. J. Insect Physiol. 22(10):1371-1376.
- Edman, J. D. and Lynn, H. C. 1975. Relationship between blood meal volume and ovarian development in *Culex nigripalpus* (Diptera: Culicidae). Ent. Expt. and Applicata 18(4):492-496.
- Eldridge, B. F., Pinger, R. R., Jr., Burger, J. F. and Hayes, D. E. 1975. Environmental control of diapause in three species of North American aedine mosquitoes (Diptera: Culicidae). N. Y. Ent. Soc. J. 83(4):249.
- Fong, W. F. and Fuchs, M. S. 1976. The differential effect of RNA synthesis inhibitors on ecdysterone induced ovarian development in mosquitoes. J. Insect Physiol. 22(11):1493-1499. [*Aedes aegypti*]
- Kao, P. C., Beyer, C. F. and Lang, C. A. 1976. A deoxyribonucleic acid-replication intermediate in the growing mosquito. Biochem. J. 154(2):471-480. [*Aedes*.]
- Lang, J. T. and Foster, W. A. 1976. Is there a female sex pheromone in the mosquito *Culiseta inornata*? Environmtl. Ent. 5(6):1109-1115.
- Langley, P. A. 1976. Initiation and regulation of ingestion by hematophagous arthropods. J. Med. Ent. 13(2):121-130. [Mosquitoes included.]
- Mills, B. J. and Lang, C. A. 1976. The biosynthesis of deoxyribonucleic acid during the life-span of the mosquito. Biochem. J. 154(2):481-490. [*Aedes*.]
- Pappas, L. G. and Larsen, J. R. 1976. Labellar chordontal organs of the mosquito, *Culiseta inornata* (Williston) (Diptera: Culicidae). Internat. J. Insect Morphol. and Embryol. 5(2):145-150.
- Puchkova, L. V. 1975. Staining chemosensillae in Hydrocorisae (Heteroptera) and Culicidae (Diptera). Insect Chemoreception No. 2:245-248. In Rus. [Proc. 2nd All Union Symp. on Insect Chemoreception.]
- El-Said, S. 1973. Laboratory colonization of *A. multicolor* Camb. under controlled conditions of temperature and humidity. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):189.
- Holzappel, C. M. and Bradshaw, W. E. 1976. Rearing of *Toxorhynchites rutilus septentrionalis* (Diptera: Culicidae) from Florida and Pennsylvania with notes on their pre-diapause and pupal development. Ent. Soc. Amer. Ann. 69(6):1062-1064.
- Ikeshoji, T. 1976. Chemical interference of mosquito larvae in successive cultures. Jap. J. Sanit. Zool. 27(3):283-288. In Engl., Jap. Sum. [*Culex pipiens molestus*.]
- Kardatzke, J. T. 1976. Maintenance and transportation of female mosquitoes collected in the field. Mosquito News 36(4):527-529.
- Lin, C. S. and Georghiou, G. P. 1976. Tolerance of mosquito larvae and pupae to carbon dioxide anesthesia. Mosquito News 36(4):460-461.
- McCrae, A. W. R. and Boreham, P. F. L. 1976. A simple and rapid procedure for preparing insect blood meals prior to host identification. Roy. Soc. Trop. Med. and Hyg. Trans. 70(4):356-357. [*Anopheles*.]
- Redington, B. C. and Hockmeyer, W. T. 1976. A method for estimating blood meal volume in *Aedes aegypti* using a radiotope. J. Insect Physiol. 22(7):961-966.
- Rutledge, L. C., Sofield, R. K. and Piper, G. N. 1976. Rapid counting methods for mosquito larvae. Mosquito News 36(4):537-540.
- Sollers-Riedel, H. 1976. The challenge of coping with mosquito literature. Mosquito News 36(4):540-543.

Techniques—Tissue Culture

- Johnson, B. K. and Varma, M. G. R. 1976. Infection of an *Aedes aegypti* cell line with infectious arbovirus-antibody complexes. Roy. Soc. Trop. Med. and Hyg. Trans. 70(3):230-234.
- Krywienczyk, J. and Sohi, S. S. 1973. Serologic characterization of a *Malacosoma disstria* Hubner (Lepidoptera: Lasiocampidae) cell line. In Vitro 8(6):459-465. [*Aedes aegypti* cell lines noted.]

TAXONOMY

- Arnell, J. H. 1976. Mosquito studies (Diptera, Culicidae). XXXIII. A revision of the *scapularis* group of *Aedes* (*Ochlerotatus*). Amer. Ent. Inst. Contrib. 13(3):1-144. [*atacaevittatus*, *bogotanus*, *comitatus*, *deficiens*, *incomptus*, *pectinatus*, *phaeonotus* and *synchronus* n. spp.]
- Belkin, J. N. 1977. *Quinquefasciatus* or *fatigans* for the tropical (southern) house mosquito (Diptera: Culicidae). Ent. Soc. Wash. Proc. 79(1):45-52.
- TECHNIQUES
- Boreham, P. F. L. 1976. Sterilization of arthropod bloodmeals prior to bloodmeal identification. Mosquito News 36(4):454-457.
- Croset, H. and Coauthors. 1976. Absolute estimates of larval populations of culicid mosquitoes: comparison of 'capture-recapture', 'removal' and 'dipping' methods. Ecol. Ent. 1:251-256.

- Blatger, J. and Larrouy, G. 1975. Obtention de morphogrammes aberrants dans une souche de *Culex pipiens autogenicus*. Soc. Hist. Naturelle Toulouse Bul. 111(1-2):39-43.
- Bryan, J. H. and Gebert, F. 1976. Identifications of members of the *Anopheles gambiae* complex from Mauritius. Roy. Soc. Trop. Med. and Hyg. Trans. 70(4):339.
- Coz, J. 1973. Contribution to the study of the *A. gambiae* complex in West Africa. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):251-252. In Fr.
- De Meillon, B. and van Eeden, G. 1976. *Anopheles (Cellia) deaconi* n. sp., from South Africa (Diptera: Culicidae). Mosquito Systematics 8(4):335-342. [n. sp.]
- Geoffroy, B. and Hervé, J. P. 1976. Description d'un nouveau moustique de République Centrafricaine, *Culex (Eumelanomyia) tauffliebi* n. sp. Ent. Méd. Parasitol Cah. 14(2):151-154. [n. sp.]
- Gerberg, E. J. and Arnett, R. H., Jr. 1976. A pictorial key to the mosquito larvae of the Seychelles. Mosquito Systematics 8(4):343-346.
- Guy, Y., Salières and Boesiger, E. 1976. Contribution à l'étude du "complexe maculipennis" (Diptera-Culicidae-Anophelinae). Mise au point en 1975. Ann. Biol. 25(5-6):227-282.
- Marks, E. N. 1977. *Aedes (Macleaya) stoneorum*, a new species from Queensland (Diptera: Culicidae). Ent. Soc. Wash. Proc. 79(1):33-37. [n. sp.]
- McIntosh, B. M. 1975. A taxonomic revision of certain *Aedes* species (Diptera: Culicidae) of the subgenus *Aedimorphus* in southern Africa. J. Ent. Soc. Southern Africa 38(2):251-287.
- Oldroyd, H. 1977. The suborders of Diptera. Ent. Soc. Wash. Proc. 79(1):3-10.
- Otsuru, M., Nagashima, Y., Nakamura, Y. and Kishimoto, T. 1976. Survey of eggs of the *Anopheles sinensis* sibling species group in Okinawa Is., Japan. Jap. J. Sanit. Zool. 27(3):301-303. In Jap., Engl. Sum.
- Utrio, P. 1976. Identification key to Finnish mosquito larvae (Diptera, Culicidae). Ann. Agr. Fenniae 15:128-136. [Ser. Animalia Nocentia No. 88.]
- Costa Pinhao, R. 1974. The Culicidae of Timor and its zoogeography. Internat. Congress Parasitol. (Munich) Proc. 3(2):910.
- Daniilov, V. N. 1976. *Aedes (Stegomyia) patriciae* Mattingly, a species new for the fauna of China, with a note on the morphology of its larva (Diptera: Culicidae). Mosquito Systematics 8(4):353-354.
- Darsie, R. F., Jr. and Williams, R. M. 1976. First report of *Wyeomyia baynei* in Georgia, with comments on identification of larvae (Diptera, Culicidae). Mosquito Systematics 8(4):441-444.
- Kouznetsov, R. L. 1976. Distribution of anophelines in the Yemen Arab Republic and its relation to malaria. WHO/MAL/76.879, 9 pp.
- Mogi, M. 1976. Notes on the northern records of *Aedes (Stegomyia) riversi* Bohart and Ingram. Mosquito Systematics 8(4):347-352.
- Rickenbach, A., Eouzan, J. P., Ferrara, L. and Bailly-Choumara, H. 1976. Données nouvelles sur la présence, la fréquence, la répartition des Toxorhynchitinae et Culicinae (Diptera, Culicidae) au Cameroun. 2. Genres *Eretmapodites* et *Culex*. Ent. Méd. Parasitol Cah. 14(2):93-100.
- Wolff, T. A. and Nielsen, L. T. 1976. The distribution of snowpool *Aedes* mosquitoes in the Southwestern States of Arizona and New Mexico with notes on biology and past dispersal patterns. Mosquito Systematics 8(4):413-439.
- Xavier, S. H. and da Silva Mattos, S. 1976. Geographical distribution of Culicinae in Brazil—IV. State of Amazonas (Diptera, Culicidae). Mosquito Systematics 8(4):386-412.
- See also Brust, Ellis and Plews in Adulcicides, Larvicides and Ovicides Section.

SEVERAL DISEASES

- Cuellar, C. B. 1973. Spatial units of transmission and the theory of control of vector transmitted diseases at the primary level. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):300-301. [*Anopheles gambiae* and *falciparum* malaria in West Af.]

ARBOVIRUSES AND OTHER VERTEBRATE VIRUSES

- Bianchi, U., Laudani, U. and Rinaldi, A. 1974. Presenza di *Anopheles atroparvus* in Sardegna. [Comunicazioni]. Bol. di Zoologica (Torino) 41(4):459.
- Chandler, J. A., Highton, R. B. and Hill, M. N. 1976. Mosquitoes of the Kano Plain, Kenya. II. Results of outdoor collections in irrigated and nonirrigated areas using human and animal bait and light traps. J. Med. Ent. 13(2):202-207.
- In order to further clarify this section, encephalitis and yellow fever references are being added. Articles including several viruses are followed by sections on dengue, encephalitis, Semliki Forest, Sindbis, West Nile and yellow fever.
- Baltimore, D. and Coauthors. 1976. Proposed nomenclature for alphavirus polypeptides. J. Gen. Virol. 30(2):273.

DISTRIBUTION

- Bensabath, G., Pinheiro, F. P. and Andrade, A. H. P. 1976. Hepatitis B antigen (HB_s Ag) in sera from yellow fever patients. *Inst. Med. Trop. S. Paulo Rev.* 18(2):77-80. In Por., Engl. Sum.
- Bread, T. P., Steelman, C. D., Roth, E. E. and Adams, M. V., Jr. 1976. Apparent propagation of the equine infectious anemia virus in a mosquito (*Culex pipiens quinquefasciatus* Say) ovarian cell line. *Amer. J. Vet. Res.* 37(9):1069-1070.
- Brouman, B., Prince, A. M. and Godfrey, H. R. 1973. Role of arthropods in transmission of hepatitis B virus in the tropics. *Internat. Cong. Trop. Med. and Malaria (Athens)* 9(2):162.
- Brown, A. W. A. and Macdonald, W. W. 1973. Vector surveillance, with particular reference to *Aedes aegypti* and other mosquito vectors of arboviruses. *Internat. Cong. Trop. Med. and Malaria (Athens)* 9(1):165-166.
- Compagnucci, M. 1974. Arbovirus: virological, epidemiological and diagnostic aspects. *Soc. Ital. Sci. Vet. Atti* 28:7-186. In Ital. [Published 1975. Includes mosquito-borne.]
- Coz, J., Valade, M., Corner, M. and Robin, Y. 1976. Transmission transovarienne d'un flavivirus, le virus Koutango chez *Aedes aegypti* L. *Compt. Rend. Acad. Sci. Paris Ser. D.* 283(1):109-110.
- Crane, G. T., Elbel, R. E. and Smart, K. L. 1975. Arbovirus isolations from Blue Lake, Callao and Fish Springs, Utah, 1974. *Utah Mosquito Abat. Assoc. Proc.* 28:10.
- Eaton, B. T. and Hapel, A. J. 1976. Persistent noncytolytic togavirus infection of primary mouse muscle cells. *Virology* 72(1):266-271.
- Eke, R. A. 1976. Hepatitis B antigen (HB_sAg) in the tropics: review of epidemiology and recommendations for control. *East Afr. Med. J.* 53(9):534-539.
- Elbel, R. E., Crane, G. T. and Smart, K. L. 1975. Arbovirus isolations from Beaver Dam Wash, Arizona, 1974. *Utah Mosquito Abat. Assoc. Proc.* 28:11.
- Gillert, J. D. and Connor, J. 1976. Host temperature and the transmission of arboviruses by mosquitoes. *Mosquito News* 36(4):472-476.
- Main, A. J., Downs, W. G., Shope, R. E. and Wallis, R. C. 1967. Avian arboviruses of the Witless Bay Seabird Sanctuary, Newfoundland, Canada. *J. Wildlife Dis.* 12(2):182-194. [Mosquitoes included.]
- Mathew, T. and Coauthors. 1976. Serological investigations of an epidemic of fever by group B arboviruses in Jaipur (1973). *Indian J. Med. Res.* 64(8):1136-1142.
- McIntosh, B. M. 1973. *Culex (Culex) univittatus* Theobald and *Culex (Neoculex) rubinotus* Theobald as maintenance vectors in southern Africa. *Internat. Cong. Trop. Med. and Malaria (Athens)* 9(2):41. [Arboviruses.]
- Metselaer, D. and Robin, Y. 1976. Akabane virus isolated in Kenya. *Vet. Record* 99(5):86.
- Moore, N. F., Barenholz, Y. and Wagner, R. R. 1976. Microviscosity of togavirus membranes studied by fluorescence depolarization: influence of envelope proteins and the host cell. *J. Virology* 19(1):126-135. [Semliki and Sindbis.]
- Ogunba, E. O. and Smith, J. A. 1974. Transmission of Australia Au (1) antigen by *Culex* mosquitoes. *Internat. Congress Parasitol. (Munich) Proc.* 3 (2):906.
- Ota, W. K. and Coauthors. 1976. Arbovirus recoveries from mosquitoes collected in Gambela, Illubabor Province, Ethiopia, 1970. *J. Med. Ent.* 13(2):173-178.
- Szemenyei, K. and Megyeri, V. 1975. To protect rabbits against myxomatosis infection. *Baromfitenyesztes* 19(11):26-27. In Hun.
- Tomori, O. and Fabiyi, A. 1976. Antibodies against arboviruses in Sierra Leone. *Trop. and Geog. Med.* 28(3):239-243.
- Tomori, O. and Fabiyi, A. 1976. Neutralizing antibodies to Orungu virus in man and animals in Nigeria. *Trop. and Geog. Med.* 28(3):233-238. [*Aedes* spp.]
- Tomori, O., Fabiyi, A. and Murphy, F. 1976. Characterization of Orungu virus, an orbivirus from Uganda and Nigeria. *Arch. Virology* 51(4):285-298. [*Anopheles funestus* and *Aedes dentatus*.]
- Tozzini, P. 1974. Ultrasonic treatment of cells infected with myxomatosis virus. *Facolta di Med. Vet. Ann. (Pisa)* 27:41-47. In Ital.
- Tozzini, F. 1975. Activity of alpha 1-4 glucosidase in serum of rabbits affected by myxomatosis. *Arch. Vet. Ital.* 26(5-6):199-203. In Engl.
- Webb, H. E. 1975. The arbovirus encephalitides. In *Viral Diseases of the Central Nervous System* (Illis, L. S. editor) pp. 3-18.
- Zlornik, I. 1975. Virus infection and degenerative conditions of the central nervous system. In *Viral Diseases of the Central Nervous System* (Illis, L. S. editor) pp. 122-144.
- Arboviruses-Dengue*
- Cline, B. L. and Coauthors. 1973. Endemic dengue in Puerto Rico. *Internat. Cong. Trop. Med. and Malaria (Athens)* 9(2):38.
- Ko, K. K. 1976. Development of dengue virus type 4 in BHK21 cells. *Biken J.* 19(2):43-51.
- Macdonald, W. W. and Pant, C. P. 1973. Control of *Aedes aegypti*, the principal vector of dengue haemorrhagic fever. *Internat. Cong. Trop. Med. and Malaria (Athens)* 9(1):9-10.

- Scott, R. M., Nimmannitya, S., Bancroft, W. H. and Mansuwan, P. 1976. Shock syndrome in primary dengue infections. *Amer. J. Trop. Med. and Hyg.* 25(6):866-874.
- Ventura, A. K. and Ehrenkranz, N. J. 1976. Endemic dengue virus infection in Hispaniola. I. Haiti. *J. Infect. Dis.* 134(5):436-441.
- Arboviruses—Encephalitis*
- Bennett, N. M. 1974. Murray Valley encephalitis, 1974. *Med. J. Australia* 2(12):446, 448-449.
- Ellis, H. R. 1976. Viral encephalitis (sleeping sickness). *Arkansas Med. Soc. J.* 72(12):499-500. [SLE, WEE and EEE.]
- Lehmann, N. I., Gust, I. D. and Doherty, R. 1976. Isolation of Murray Valley encephalitis virus from the brains of three patients with encephalitis. *Med. J. Australia* 2(12):450-454.
- Marrott, L. 1975. Encephalitis surveillance in Utah, 1975. *Utah Mosquito Abat. Assoc. Proc.* 28:9.
- Objieski, J. F., Bishop, D. H. L., Murphy, F. A. and Palmer, E. L. 1976. Structural proteins of La Crosse virus. *J. Virology* 19(3):985-997.
- Objieski, J. F., Bishop, D. H. L., Palmer, E. L. and Murphy, F. A. 1976. Segmented genome and nucleocapsid of La Crosse virus. *J. Virology* 20(3):664-675.
- Arboviruses—Encephalitis—CE, SLE*
- Dandoy, S. 1976. Vector borne disease control in Arizona. *Ariz. Med.* 33(4):306. [Includes St. Louis encephalitis.]
- McLean, D. M., Grass, P. N., Judd, B. D. and Wong, K. S. K. 1976. California encephalitis virus proliferation in Yukon mosquitoes incubated at low temperatures. *Canad. J. Microbiol.* 22(8):1128-1136.
- Arboviruses—Encephalitis—EEE, WEE*
- Bigler, W. J. and Coauthors, 1976. Endemic eastern equine encephalomyelitis in Florida: a twenty-year analysis, 1955-1974. *Amer. J. Trop. Med. and Hyg.* 25(6):884-890.
- Bowen, W. G., Gavin, H. C. R. and Brust, R. A. 1976. Environmental monitoring of insecticide applications during the emergency mosquito control operation in Manitoba, 1975. *Canad. J. Pub. Health* 67(Suppl. 1):63-68.
- Brust, R. A. and Ellis, R. A. 1976. Mosquito surveys in Manitoba during 1975. *Canad. J. Pub. Health* 67(Suppl. 1):47-53.
- Donogh, N. R. 1976. Public information on western encephalomyelitis and emergency mosquito control in Manitoba, 1975. *Canad. J. Pub. Health* 67(Suppl. 1):61-62.
- Ellis, R. A. 1976. Emergency measures and mosquito control operations during the 1975 western encephalomyelitis outbreak in Manitoba. *Canad. J. Pub. Health* 67(Suppl. 1):59-60.
- Francy, D. B. and Coauthors. 1975. Potential role of cliff swallow bugs (*Oeciacus vicarius*) in the ecology of western encephalitis virus. *Utah Mosquito Abat. Assoc. Proc.* 28:12.
- Fraser, H. M. and Brust, R. A. 1976. Weather conditions affecting mosquito populations in southern Manitoba during 1975. *Canad. J. Pub. Health* 67 (Suppl. 1):40-46.
- Jahrhling, P. B. 1976. Virulence heterogeneity of a predominantly avirulent western equine encephalitis virus population. *J. General Virol.* 32(1):121-128.
- Leung, M. K., Iversen, J., McLintock, J. and Saunders, J. R. 1976. Subcutaneous exposure of the Richardson's ground squirrel (*Spermophilus richardsonii* Sabine) to western equine encephalomyelitis virus. *J. Wildlife Dis.* 12(2):237-246.
- Lillie, L. E., Wong, F. C. and Drysdale, R. A. 1976. Equine epizootic of western encephalomyelitis in Manitoba—1975. *Canad. J. Pub. Health* 67(Suppl. 1):21-27.
- Medovy, H. 1976. The history of western encephalomyelitis in Manitoba. *Canad. J. Pub. Health* 67(Suppl. 1):13-14.
- McLintock, J. 1976. The arbovirus problem in Canada. *Canad. J. Pub. Health* 67(Suppl. 1):8-12.
- Sekla, L. H. 1976. Analysis of western encephalomyelitis surveillance and control programs in Manitoba, 1975. *Canad. J. Pub. Health* 67(Suppl. 1):72-73.
- Sekla, L. H. 1976. Western encephalomyelitis in Manitoba during 1975: summary and recommendations. *Canad. J. Pub. Health* 67(Suppl. 1):74.
- Sekla, L. H. and Stackiw, W. 1976. Laboratory diagnosis of western encephalomyelitis. *Canad. J. Pub. Health* 67(Suppl. 1):33-39.
- Simizu, B. and Coauthors. 1976. Inhibition of cellular DNA synthesis in hamster kidney cells infected with western equine encephalitis virus. *Arch. Virology* 51(4):251-261.
- Tulchinsky, T. H. 1976. Western encephalomyelitis in Manitoba, 1975: the decision-making process. *Canad. J. Pub. Health* 67(Suppl. 1):54-58.
- Waters, J. R. 1976. An epidemic of western encephalomyelitis in humans—Manitoba, 1975. *Canad. J. Pub. Health* 67 (Suppl. 1):28-32.
- Wong, F. C., Lillie, L. E. and Drysdale, R. A. 1976. Sentinel flock monitoring procedures for western encephalomyelitis in Manitoba—1975. *Canad. J. Pub. Health* 67(Suppl. 1):15-20.

Arboviruses—Encephalitis—JE

- Mukherji, A. K. and Biswas, S. K. 1976. Histopathological studies of brains (and other viscera) from cases of JE virus encephalitis during 1973 epidemic at Bankura. *Indian J. Med. Res.* 64(8):1143-1149.
- Rai, J. and Ghosh, S. N. 1976. Studies on soluble complement fixing antigen of Japanese encephalitis virus. *Indian J. Med. Res.* 64(7):981-991.
- Rodrigues, F. M. and Coauthors. 1976. The 1973 epidemic of Japanese encephalitis in West Bengal: a serological survey of domestic animals. *Indian J. Med. Res.* 64(7):973-980.

Arboviruses—Encephalitis—VEE

- Bowen, G. S. 1976. Experimental infection of North American mammals with epidemic Venezuelan encephalitis virus. *Amer. J. Trop. Med. and Hyg.* 25(6):891-899.
- Bowen, G. S. and Calisher, C. H. 1976. Virological and serological studies of Venezuelan equine encephalomyelitis in humans. *J. Clin. Microbiol.* 4(1):22-27.
- Houston, W. E., Crabbs, C. L., Stephen, E. L. and Levy, H. B. 1976. Modified polyribonucleoside polyribocytidylic acid, an immunological adjuvant. *Infect. and Immunity* 14(1):318-319. [VEE.]
- Johnson, K. M. 1975. Live vaccines for Venezuelan encephalitis control. *Rev. Vet. Venezolana* 38(227):339-347. In Sp.
- Kokernot, R. H. 1973. VEE virus-field observations in Texas and bordering states of Mexico. *Internat. Cong. Trop. Med. and Malaria (Athens)* 9(2):42.
- Noe Martinez, L. P. and Velazquez Echegaray, A. 1975. Hemagglutination inhibition antibody test for the diagnosis of Venezuelan equine encephalitis in some domestic animals. *Veterinaria (Villa Obregon)* 6(1):17-21. In Sp., Engl. Sum.
- Rayfield, E. J., Gorelkin, L., Curnow, R. T. and Jahrling, P. B. 1976. Virus-induced pancreatic disease by Venezuelan encephalitis virus. Alterations in glucose tolerance and insulin release. *Diabetes* 25(7):623-631.
- Scherer, W. F. and Coauthors. 1976. Search for epizootic-like Venezuelan encephalitis virus at enzootic habitats in Guatemala during 1969-1971. *Amer. J. Epidemiol.* 103(6):576-588.
- Scherer, W. F., Ordonez, J. V., Dickerman, R. W. and Navarro, J. E. 1976. Search for persistent epizootic Venezuelan encephalitis virus in Guatemala, El Salvador and Nicaragua during 1970-1975. *Amer. J. Epidemiol.* 104(1):60-73.
- Tamoglia, T. W. 1975. Requirements of the

- United States Department of Agriculture for testing the Venezuelan equine encephalomyelitis vaccine. *Rev. Vet. Venezolana* 38(227):347-363. In Sp.
- Walder, R. and Liprandi, F. 1976. Kinetics of heat inactivation of Venezuelan equine encephalomyelitis virus. *Arch. Virology* 51(4):307-317.
- Yershov, F. I., Tazulakhova, E. B. and Novokhatsky, A. S. 1976. The effect of combination of different inducers on the refractory state in interferon production. *Acta Virologica* 20(1):15-22. [VEE.]

Arboviruses—Semliki Forest

- Chew-Lim, M. 1975. Mouse encephalitis induced by avirulent Semliki Forest virus. *Vet. Path.* 12(5-6):387-393.
- Clegg, J. C. S., Brezeski, H. and Kennedy, S. I. T. 1976. RNA polymerase components in Semliki Forest virus-infected cells: synthesis from large precursors. *J. General Virol.* 32(3):413-430.
- Clewley, J. P. and Kennedy, S. I. T. 1976. Purification and polypeptide composition of Semliki Forest virus RNA polymerase. *J. General Virol.* 32(3):395-411.
- Cox, C. S. 1976. Inactivation kinetics of some microorganisms subjected to a variety of stresses. *Appl. Environmtl. Microbiol.* 31(6):836-846. [Semliki Forest virus.]
- Glanville, N., Morser, J., Uomala, P. and Kääräinen, L. 1976. Simultaneous translation of structural and nonstructural proteins from Semliki-Forest-virus RNA in two eukaryotic systems *in vitro*. *Eur. J. Biochem.* 64(1):167-175.
- Helenius, A., Fries, F., Garoff, H. and Simons, K. 1976. Solubilization of the Semliki Forest virus membrane with sodium deoxycholate. *Biochimica et Biophysica Acta* 436(2):319-334.
- Kääräinen, L., Lachmi, B. E. and Glanville, N. 1976. Translational control in Semliki Forest virus infected cells. *Ann. de Microbiol. (Inst. Pasteur)* 127A(1):197-203.
- Kuluza, G. 1976. Early synthesis of Semliki Forest virus-specific proteins in infected chicken cells. *J. Virology* 19(1):1-12.
- Lachmi, B. E. and Kääräinen, L. 1976. Sequential translation of nonstructural proteins in cells infected with a Semliki Forest virus mutant. *Natl. Acad. Sci. USA Proc.* 73(6):1936-1940.
- Mussgay, M., Weiland, E., Weiland, F. and Härtnner, D. 1976. Some properties of the surface of formalin-inactivated Semliki Forest virus after treatment with Tween 80-tri (*n-butyl*) phosphate or saponin. *Zentbl. f. Vet. Med. Reihe B* 23(5-6):447-457. In Engl.

- Schwarz, R. T., Rohrschneider, J. M. and Schmidt, M. F. G. 1976. Suppression of glycoprotein formation of Semliki Forest, influenza, and avian sarcoma virus by tunicamycin. *J. Virology* 19(3):782-791.
- Stebbing, N. and Grantham, C. A. 1976. Antiviral activity against encephalomyocarditis virus and Semliki Forest virus and acute toxicity of poly I and poly C administered sequentially to mice. *Arch. Virology* 51(3):199-215.
- Suckling, A. J., Webb, H. E., Chew-Lim, M. and Oaten, S. W. 1976. Effect of an inapparent viral encephalitis on the levels of lysosomal glycosidases in mouse brain. *J. Neurol. Sci.* 29(1):109-116.
- Ulmaman, I., Söderlund, H. and Kääriäinen, L. 1976. Semliki Forest virus capsid protein associates with the 60S ribosomal sub-unit in infected cells. *J. Virology* 20(1):203-210.
- Arboviruses—Sindbis*
- Brachura, M., Leone, A. and Schlesinger, M. J. 1976. Formation of a Sindbis virus nonstructural protein and its relation to 42S mRNA function. *J. Virology* 20(3):612-620.
- Bracha, M. and Schlesinger, M. J. 1976. Inhibition of Sindbis virus replication by zinc ions. *Virology* 72(1):272-277.
- Burke, D. J. and Keegstra, K. 1976. Purification and composition of the proteins from Sindbis virus grown in chick and BHK cells. *J. Virology* 20(3):676-686.
- Deborde, D. C. and Leibowitz, R. D. 1976. Polyadenylic acid size and position found in Sindbis virus genome and mRNA species. *Virology* 72(1):80-88.
- Igarashi, A. and Stollar, V. 1976. Failure of defective interfering particles of Sindbis virus produced in BHK or chicken cells to affect viral replication in *Aedes albopictus* cells. *J. Virology* 19(2):398-408.
- Kennedy, S. I. T., Bruton, C. J., Weiss, B. and Schlesinger, S. 1976. Defective interfering passages of Sindbis virus: nature of the defective virion RNA. *J. Virology* 19(3):1034-1043.
- Pogodina, V. V. and Coauthors. 1976. Study on the mechanism of interference between Friend leukemia and Sindbis viruses in tissue culture. *Neoplasma* 23(1):61-70.
- Renz, D. and Brown, D. T. 1976. Characteristics of Sindbis virus temperature-sensitive mutants in cultured BHK-21 and *Aedes albopictus* (mosquito) cells. *J. Virology* 19(3):775-781.
- Sly, W. S., Lagwinska, E. and Schlesinger, S. 1976. Enveloped virus acquires membrane defect when passaged in fibroblasts from I-cell disease patients. *Natl. Acad. Sci. USA Proc.* 73(7):2443-2447.
- See also Frisch-Niggemeyer in *Arboviruses—West Nile Section*.
- Arboviruses—West Nile*
- Frisch-Niggemeyer, W. 1975. Purification of togavirus haemagglutinins by chromatography on controlled pore glass. *Acta Virologica* 19(5):381-386. [West Nile and Sindbis.]
- Arboviruses—Yellow Fever*
- Cates, G. L. 1976. The St. Marys yellow fever epidemic of 1808: Georgia's first confrontation. *Med. Assoc. Ga. J.* 65(7):287-290.
- Germain, M. and Coauthors. 1976. Isolements du virus de la fièvre jaune à partir d'*Aedes* du groupe *A. africanus* (Theobald) en République Centrafricaine. Importance des savanes humides et semi-humides en tant que zone d'émergence du virus amaril. *Ent. Méd. Parasitol. Cah.* 14(2):125-139. Engl. Sum.
- Germain, M. and Coauthors. 1976. Une souche de virus amaril isolée d'*Aedes (Stegomyia) opok* Corbet et Van someren en République Centrafricaine. *Ent. Méd. Parasitol. Cah.* 14(2):101-104. Engl. Sum.
- Scott, S. K., Kosch, P. C. and Hilmas, D. E. 1976. Serum lactate dehydrogenase of normal, stressed, and yellow fever virus-infected rhesus monkeys. *Lab. Animal Sci.* 26(3):436-442.
- FILARIASIS
- Abaru, D. E. and Denham, D. A. 1976. Laboratory evaluation of a new technique for counting microfilariae in blood. *Roy. Soc. Trop. Med. and Hyg. Trans.* 70(4):333-334. [*Brugia* and *Dirofilaria* included.]
- Atomosoedjono, S., Van Peenen, P. F. D. and Putrali, J. 1976. *Anopheles barbirostris* (Van der Wulp) still an efficient vector of *Brugia malayi* in central Sulawesi (Celebes), Indonesia. *Roy. Soc. Trop. Med. and Hyg. Trans.* 70(3):259.
- Barbier, D., Moreau, J. P. and Radanielina, R. 1975. Enquête épidémiologique auprès de compagnies des forces armées du sud-est de Madagascar. III. Enquête entomologique préliminaire. *Inst. Pasteur Madagascar Arch.* 44(1):127-130. [W. bancrofti.]
- Bosworth, W. and Chernin, E. 1976. Oral transmission of *Brugia malayi* to jirds. *J. Parasitol.* 62(6):1013-1014.
- Bregues, J. 1973. Bancroftian filariasis in West Africa. *Internatl. Cong. Trop. Med. and Malaria (Athens)* 9(1):108. In Fr. [Includes mosquito vectors.]
- Bregues, J. 1975. La filariose de Bancroft en Afrique de l'Ouest. *Off. Recherche Scientif. et Tech. Outre-Mer Mem. No. 79*, 299 pp. Engl. Sum.
- Bushrod, F. M. 1973. Comparative vectorial ac-

- tivity of two members of the *Anopheles gambiae* complex, *anopheles funestus* and *Culex pipiens fatigans* in the transmission of filariasis at Segera, Tanzania. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):116.
- Dennis, D. T. and Coauthors. 1976. Timor filariasis: epidemiologic and clinical features in a defined community. Amer. J. Trop. Med. and Hyg. 25(6):797-802.
- Friedheim, E. A. H. 1976. Structural and functional studies on the lymphatics of cats infected with *Brugia pabangi*: remarks on the paper by D. A. Denham and R. Rogers. Transactions of the Royal Society of Tropical Medicine and Hygiene 1975, 69, 173. Roy. Soc. Trop. Med. and Hyg. Trans. 70(3):260.
- Gaoubou, I. A. 1976. Observations on the basal follicle numbers developed per female of two strains of *Aedes aegypti* after being fed on hosts with different levels of microfilariae of *Brugia pabangi*. J. Invert. Path. 28(2):
- Gratz, N. C. 1973. The control of urban Bancroftian filariasis by the control of *Culex pipiens fatigans*. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):10-11.
- Hawking, F. 1973. The world distribution of *Wuchereria bancrofti* and of *Brugia malayi*. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):104.
- Joesoef, A. and Coauthors. 1973. Filariasis in transmigrant settlements of Indonesia. Internat. Cong. Trop. Med. and Malaria (Athens) 9(1):103.
- Lambrecht, F. L. 1973. Bancroftian filariasis in Sri Lanka (Ceylon): entomological considerations. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):120-121. [*Wuchereria bancrofti*.]
- McGreevy, P. B., Ismail, M. M., Denham, D. A. and Phillips, T. M. 1974. The association of vertebrate and vector antigens with the filarial nematode, *Brugia pabangi*. Internat. Congress Parasitol. (Munich) Proc. 3(2):1182-1183.
- Miller, M. J., Ratard, R. C. and McNeeley, D. F. 1976. Filariasis in Haiti. J. Parasitol. 62(5):845-847. [*W. bancrofti*.]
- Nagaratnam, N. and Coauthors. 1976. Benign obstruction of subclavian and axillary veins possibly due to filariasis. Brit. J. Surgery 63(5):379-380. [*Wuchereria bancrofti*.]
- Partono, F. and Coauthors. 1976. The Timor filaria on Flores and experimental transmission of the parasite. Roy. Soc. Trop. Med. and Hyg. Trans. 70(4):354-355. [*Aedes togoi* and *Anopheles barbivirostris*.]
- Partono, F., Dennis, D. T. and Atmosoedjono, S. 1976. Development of the Timor filaria in *Aedes togoi*: preliminary observations. J. Parasitol. 62(6):881-885.
- Pinon, J. M., Danis, M. and Gentilini, M. 1974. Trials of immunostimulants in human filariasis. Internat. Congress Parasitol. (Munich) Proc. 3(2):1049. [Includes *Wuchereria*.]
- Portaro, J. K., Britton, S. and Ash, L. R. 1976. *Brugia pabangi*: depressed mitogen reactivity in filarial infections in the jird, *Meriones unguiculatus*. Expt. Parasitol. 40(3):438-446.
- Seo, B. S. 1976. Morphology of the microfilaria of *Brugia malayi* in Cheju-Do, Korea. Korean J. Parasitol. 14(1):41-49. In Engl., Kor. Sum.
- Singh, M. and Coauthors. 1976. Studies on the Malayan forest rat filaria, *Breinlia booliati* (Filarioidea: Onchocercidae): course of development in rat host. J. Helminthol. 50(2):103-110. [*Aedes togoi* and *Armigeres subalbatus*.]
- Southgate, B. A. and Bryan, J. H. 1973. An investigation of the transmission potential of ultra low level *Wuchereria bancrofti* microfilariae carriers after diethylcarbamazine treatment. Internat. Cong. Trop. Med. and Malaria (Athens) 9(2):119. [*Aedes polynesiensis*.]
- Vincent, A. L., Frommes, S. P. and Ash, L. R. 1976. *Brugia malayi*, *Brugia pabangi*, and *Brugia pateri*: pulmonary pathology in jirds, *Meriones unguiculatus*. Expt. Parasitol. 40(3):330-354.
- Yoshikawa, T., Oyamada, T. and Yoshikawa, M. 1976. Eosinophilic granulomas caused by adult setarial worms in the bovine urinary bladder. Jap. J. Vet. Sci. 38(2):105-115. [*Setaria digitata* included.]

Filariasis—*Dirofilaria*

- Bradley, R. E. 1976. Levamisole resinate as a *Dirofilaria immitis* microfilaricide in dogs. Amer. Vet. Med. Assoc. J. 169(3):311-316.
- Franson, J. C., Jorgenson, R. D. and Boggess, E. K. 1976. *Dirofilariasis* in Iowa coyotes. J. Wildlife Dis. 12(2):165-166. [*Dirofilaria* spp. included.]
- Garlick, N. L. 1976. Ratio between numbers of microfilariae and adult heartworms. Amer. Vet. Med. Assoc. J. 169(2):173. [*Dirofilaria immitis*.]
- Kotani, T., Tomimura, T. and Mochizuki, H. 1976. Pathological studies on pulmonary circulatory disturbance in canine dirofilariasis: postmortem pulmonary angiography. Jap. J. Vet. Sci. 38(5):495-511.
- McCall, J. W. and Crouthamel, H. H. 1976. Prophylactic activity of mebendazole against *Dirofilaria immitis* in dogs. J. Parasitol. 62(5):844-845.
- Otto, G. F. 1976. Ratio between numbers of microfilariae and adult heartworms. Amer. Vet.

- Med. Assoc. J. 169(2):173-174. [*Dirofilaria immitis*.]
- Pollavini, G. and De Lalla, F. 1975. Case of autochthonous subcutaneous dirofilariasis in man. Ann. Sclavo. (Siena) 17(5):678-683. In It., Engl. Sum.
- Romano, A., Sachs, R. and Lengy, J. 1976. Human ocular dirofilariasis in Israel. Israel J. Med. Sci. 12(3):208-214. [*Dirofilaria* spp.]
- Takahashi, J. and Saro, K. 1976. Studies on hemagglutination test on filariasis. I. The fractionation and purification of antigens by column chromatography and disc electrophoresis. Jap. J. Expt. Med. 46(1):7-13. [Includes *Dirofilaria immitis* and *Wuchereria bancrofti*.]
- See also Garrett-Jones in *Malaria—Parasites* Section.
- ### MALARIA
- Asch, A. J. 1976. Malaria at the hospital for sick children, Toronto. Canad. Med. Assoc. J. 115(5):405-406.
- Baerg, D. C., Rossan, R. N. and Young, M. D. 1973. Infectivity to mosquitoes of trophozoite and sporozoite induced *Plasmodium vivax* (Achiote strain) in monkeys. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):182-183.
- Butler, T., Warren, K. S. and Mahmood, A. A. F. 1976. Algorithms in the diagnosis and management of exotic diseases. XIII. Malaria. J. Infect. Dis. 133(6):721-726.
- Conradie, M. and Jacobs, P. 1976. Detection of scanty blood parasites. Brit. Med. J. 6028:181.
- Dietz, K. and Molineaux, L. 1973. A malaria model tested in the African savannah. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):297.
- Edrissian, G. H., Sanati, A. and Afsha, A. 1973. Sero-epidemiological studies of malaria in southern Iran. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):191-410.
- Flegel, M. 1976. Symptoms and signs of malaria. Canad. Med. Assoc. J. 155(5):409-410.
- Fourrier, A. and Coauthors. 1976. I. Malaria in northern France. Lille Med. 21(5):447-451. In Fr.
- Hechter-Schulz, K. 1973. Recrudescence of malaria on the African subcontinent related to meteorological conditions. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):201.
- Kean, B. H. and Reilly, P. C., Jr. 1976. Malaria—the mime. Recent lessons from a group of civilian travellers. Amer. J. Med. 61(2):159-164. [*Plasmodium falciparum*.]
- Kingston, H. 1976. New look at malaria. Brit. Med. J. 6025:1593.
- Kiselev, V. B. 1975. Secondary lesions of the nervous system in some infectious and toxic-allergic conditions in Zambia. Med. J. Zambia 9(5):125-127. [In connection with malaria.]
- Krishnan, S. and Coauthors. 1975. Role of vitamin A and protein-calorie undernutrition in immunity and infection. 1. Regulation of Growth and Differentiated Function in Eukaryote Cells. (Edited by Talwayr, G. P.) pp. 283-286. [Malaria.]
- Kruatrachue, M. and Na-Nakorn, S. 1976. A marked reduction in the incidence of cold haemagglutinin in *Plasmodium falciparum* malaria. Ann. Trop. Med. and Parasitol. 70(4):375-380.
- Luzzatto, L., Okoye, V. C. N. and Williams, A. I. O. 1976. Fetal haemoglobin and malaria. Lancet 7984:523-524.
- Mansueto, S. 1976. Comments on the report of Prof. Giuseppe Dal Fabbro: "Prevention of diseases transmissible by airlines." Minerva Med. 67(37):2429-2430. In It. [Malaria.]
- Marsden, P. D. and Crane, G. G. 1976. The tropical splenomegaly syndrome. A current appraisal. Inst. Med. Trop. S. Paulo Rev. 18(1):54-70.
- McAlister, R. O. and Gordon, D. M. 1976. Schizont-infected cell enrichment in rodent malaria. J. Parasitol. 62(5):664-669.
- Nagaratnam, N., Fernando, D. C. R., Thambipillai, A. J. and Alagaratnam, K. 1975. Jaundice and hepatomegaly in malaria. Ceylon Med. J. 20(3):183-185.
- Onabanjo, A. O. 1974. Pathophysiological role of plasma kinins in malaria. West Afr. J. Pharmacol. and Drug Res. 1(1):24-31.
- Peters, W. and Coauthors. 1976. Malaria of the orang-utan (*Pongo pygmaeus*) in Borneo. Philos. Trans. Roy. Soc. London Ser. B. Biol. Sci. 275(941):439-482.
- Phillips, R. S. 1974. Protective antibodies in immunity to rodent malarials. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1063-1064.
- Rec, G. H. 1976. Tropical splenomegaly. Roy. Soc. Trop. Med. and Hyg. Trans. 70(3):259. [In connection with malaria.]
- Richard-Lenoble, D., Montjour, L. and Gentilini, M. 1974. Trials of immunostimulants in malaria with *Plasmodium berghei*. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1064.
- Schmitz, B. and Gelfand, M. 1976. A study of the clinical features of malaria in Rhodesia. Part IV. Cent. Afr. J. Med. 22(8):155-157.
- Schultz, M. G. 1973. Malaria in the United States. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):201.

- Srichaikul, T., Siriasawakul, T. and Poshyachinda, M. 1976. Ferrokinesins in patients with malaria: haemoglobin synthesis and normoblasts *in vitro*. Roy. Soc. Trop. Med. and Hyg. Trans. 70(3):244-246.
- Tapper, M. L. and Armstrong, D. 1976. Malaria complicating neoplastic disease. Arch. Internal. Med. 136(7):807-810.
- Toso, V. and Russo Perez, G. 1975. Malarial encephalopathy and disseminated intravascular coagulation. Riv. di Patol. Nervosa e Mentale 96(2):119-126. In Ital., Engl. Sum.
- Vargas, D. L. 1975. Subclincic infections and low parasitemia by *Plasmodium malariae*. Salud Pub. México 17(3):399-401. In Sp., Engl. Sum.
- Weiss, M. L. 1974. Spleen and thymus of rodents during immunization and challenge with *Plasmodium berghei*. Internatl. Congress Parasitol. (Munich) Proc. 3 (2):1112-1113.
- Wilkinson, R. N., Segal, H. E., Gould, D. J. and Broonyakanist, P. 1973. Entomologic studies of malaria transmission in northeast Thai vilages. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):188-189. [*Anopheles balabacensis*, *A. minimus* and *A. acontus*.]
- Malaria—Cerebral*
- Verma, K. C. and Magotra, M. L. 1976. Vivax cerebral malaria in Jammu. Indian Pediatrics 13(3):229-231. [*Plasmodium vivax*.]

Malaria Control and Eradication

- Bruce-Chwatt, L. J. 1973. Resurgence of malaria and its control. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):319-320.
- Bruce-Chwatt, L. J. 1976. Swellengrebel oration: mathematical models in the epidemiology and control of malaria. Trop. and Geog. Med. 28(1):1-8.
- Colbourne, M. J. 1973. Malaria eradication techniques in control programmes. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):310.
- de Zulueta, J. 1973. Malaria eradication in Europe. The achievements and the difficulties ahead. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):319.
- Dukhanina, N. N. and Coauthors. 1973. Epidemiological justification for supplementary antimalarial measures in the malaria eradication programme of northeastern Afghanistan. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):209-210. [*Anopheles byrcanus*, *A. pulcherrimus*.]
- Gueye, I. and Michel, R. 1973. Antimalarial service of Senegal. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):315-316. In Fr.
- Haworth, J. 1973. Malaria eradication and control in Africa. Research and its prospectives. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):313-314.
- Howard, L. M. 1973. The future of malaria eradication in relation to the outlook for financial support. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):310-311.
- Kouznetsov, R. L. 1976. Malaria control by application of indoor spraying of residual insecticides in tropical Africa and its impact on population health. WHO/MAL/76.881, 16pp.
- Lepes, T. 1973. Status of the global malaria eradication programme—progress so far made and problems encountered. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):308-310.
- Martin, G. G. 1973. Progress and problems of malaria eradication in the Americas. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):312. In Sp.
- Nájera-Morrondo, J. A. 1976. El programa de investigaciones sobre malaria de la OPS. Bol. Ofic. Sanit. Panamer. 81(4):331-337. In Sp., Engl. Sum.
- Ray, A. P. 1973. Problems of malaria control/eradication in the Western Pacific Region. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):321-322.
- Stevenson, K. A. P. 1973. Malaria eradication—its effects on economic development. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):306-307.
- Malaria—Immunology*
- Bray, R. S. 1976. Vaccination against *Plasmodium falciparum*: a negative result. Roy. Soc. Trop. Med. and Hyg. Trans. 70(3):258.
- Brown, K. N., Jarra, W. and Hills, L. A. 1976. T cells and protective immunity to *Plasmodium berghei* in the rat. WHO/MAL/76.878, 21 pp.
- Brown, P., Collins, W. E., Gajdusek, D. C. and Miller, L. H. 1976. An evaluation of malaria fluorescent antibody patterns in several remote island populations of the New Hebrides, Solomons, Western Carolines, and New Guinea. Amer. J. Trop. Med. and Hyg. 25(6):775-783.
- Butcher, G. A., Cohen, S. and Mitchell, G. H. 1974. The role of circulating antibodies in immunity to malaria. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1062.
- Cabrera, E. J., Speer, C. A., Schenkel, R. H. and Silverman, P. H. 1974. Immunological assays as indicators of protection in rhesus monkeys (*Macaca mulatta*) vaccinated with non-viable *Plasmodium knowlesi* antigen. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1126.
- Carter, R. and Chen, D. H. 1976. Malaria transmission blocked by immunisation with gametes of the malaria parasite. Nature (London) 263 (5572):57-60.
- Dranga, A., Marinov, R., Mihai, M. and Un-

- gureauu, E. 1974. L'immunodiagnostic du paludisme et sa valeur dans la phase d'entretien de l'éradication. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1130-1131.
- Gentilini, M. and Richard-Lenoble, D. 1974. Comparative study of homologous and heterologous antigens in the diagnosis of malaria by the indirect immunofluorescent test. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1128.
- Gwadz, R. W. 1976. Malaria: successful immunization against the sexual stages of *Plasmodium gallinaceum*. Science 193(4258):1150-1151.
- Hamburger, J. and Kreier, J. P. 1976. Interaction between protective antibodies and malaria parasites (*Plasmodium berghei*): involvement of low avidity antibodies. Tropenmed. u. Parasitol. 27(3):385-390.
- Houba, V., Lambert, P. H., Voller, A. and Soyawo, M. A. O. 1976. Clinical and experimental investigation of immune complexes in malaria. Clin. Immunol. and Immunopath. 6(1):1-12.
- Jerusalem, C. and De Wit, J. 1974. Correlation between thymic changes, disturbed T cell response and establishment of clinical immunity in malaria infection (*P. berghei*). Internatl. Congress Parasitol. (Munich) Proc. 3(2):115-116.
- Leeflang, P., Oomen, J. M. V., Zwart, D. and Meuwissen, J. H. E. T. 1974. Studies on the prevalence in West Africans of antibodies reacting with plasmodial and *Babesia* antigens. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1107.
- Mackenzie, C. J. G. and Wyart, G. 1976. Malaria prophylaxis. Amer. Med. Assoc. J. 236(10):1114-1115.
- Mathews, H. M., Fried, J. A. and Kagan, I. G. 1974. The value of the indirect hemagglutination test in the diagnosis of malaria. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1127.
- Petchclai, B., Benjapone, W. and Suntharasamai, P. 1974. IgE malarial antibody. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1043.
- Seitz, H. M. 1976. The *Plasmodium berghei* infection in isogenic Fl(C57B1 x DBA)-mice. III. Neonatal thymectomy and cell transfer experiments. Tropenmed. u. Parasitol. 27(2):197-201. In Engl.
- Soni, J. L. and Cox, H. W. 1976. Immune complex extracted from acutely infected malarious chicken kidneys: physico-chemical properties of antigen part. Indian J. Med. Res. 64(8):1177-1184.
- Spira, D. T., Golenser, J. and Gery, I. 1976. The reactivity of spleen cells from malarious rats to non-specific mitogens. Clin. and Expt. Immunol. 24(1):139-145.
- van der Kaay, H. J., Leeuwenberg, A. D. E. M. and Meuwissen, J. H. E. T. 1974. The application in the field of the indirect haemagglutination test during an evaluation of anti-malaria activities in different areas of Surinam. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1129.
- Verhave, J. P. and Meuwissen, J. H. E. T. 1974. Studies on cellular immunity in sporozoite induced malaria. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1116-1117.
- Wilson, R. J. M. and Coauthors. 1976. Precipitating antibody response to malarial S-antigens. Roy. Soc. Trop. Med. and Hyg. Trans. 70(4):308-312.
- Wilson, R. J. M. and Phillips, R. S. 1976. Method to test inhibitory antibodies in human sera to wild populations of *Plasmodium falciparum*. Nature (London):263(5573):132-134.
- Weinbaum, F. I., Evans, C. B. and Tigelaar, R. E. 1976. An in vitro assay for T cell immunity to malaria in mice. J. Immunol. 116(5):1280-1283.

Malaria—Parasites

- Bekessy, A., Molineaux, L. and Storey, J. 1976. The estimation of incidence and recovery rates of *Plasmodium falciparum* parasitaemia, from longitudinal data. WHO/MAL/76.882, 13 pp.
- Desowitz, R. S. and Barnwell, J. W. 1976. *Plasmodium berghei*: deep vascular sequestration of young forms in the heart and kidney of the white rat. Ann. Trop. Med. and Parasitol. 70(4):475-476.
- Dimopoulos, G. T. and Finerty, J. F. 1976. Cross reactivity between *Anaplasma marginale* and two *Plasmodium* species as demonstrated by passive hemagglutination. Amer. J. Vet. Res. 37(6):693-695.
- Doby, J. M. and Barker, R. 1976. Essais d'obtention *in vitro* des formes pré-érythrocytaires de *Plasmodium vivax* en cultures de cellules hépatiques humaines inoculées par sporozoïtes. Compt. Rend. Soc. de Biol. (Paris) 170(3):661-665. Engl. Sum.
- Druilhe, P., Monjour, L. and Gentilini, M. 1976. Transplacental passage of soluble plasmodial antigens. Induction of a specific immune tolerance? Nouv. Presse Méd. 5(22):1430-1431. In Fr.
- Eling, W. 1974. The possible role of cell-mediated immunity in the malaria (*P. berghei*) mouse model. Internatl. Congress Parasitol. (Munich) Proc. 3(2):1114-1115.
- El-Said, S. 1973. The infection of *A. pharoensis* and *A. multicolor* with *P. vivax* under laboratory conditions. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(2):184.
- Garrett-Jones, C. 1973. Prevalence of *Plasmodium falciparum* and *Wuchereria bancrofti* in *Anopheles* in relation to short term female population dynamics. Internatl. Cong. Trop. Med.

- and Malaria (Athens) 9(1):298-300.
- Holbrook, T. W., Spitalny, G. L. and Palczuk, N. C. 1976. Stimulation of resistance in mice to sporozoite-induced *Plasmodium berghei* malaria by injections of avian exoerythrocytic forms. *J. Parasitol.* 62(5):670-675.
- Jadin, J., Timperman, G. and De Ruysser, F. 1975. Behavior of a strain of *P. berghei berghei* after 11 years preservation at low temperature. *Soc. Beige de Med. Trop. Ann.* 55(6):603-608. *In Fr.*, Engl. Sum.
- Killick-Kendrick, R. 1976. Designations of strains of parasitic Protozoa. *Roy. Soc. Trop. Med. and Hyg. Trans.* 70(4):352. [Includes *Plasmodium* spp.]
- Krishnan, S. and Coauthors. 1976. Effect of vitamin A and undernutrition on the susceptibility of rodents to a malarial parasite *Plasmodium berghei*. *J. Nutrition* 106(6):784-791.
- Lumsden, W. H. R. 1976. Designations of strains of parasitic Protozoa. *Roy. Soc. Trop. Med. and Hyg. Trans.* 70(4):352. [*Plasmodium* spp.]
- Miller, L. H., Mason, S. J., Clyde, D. F. and McGinniss, M. H. 1976. The resistance factor to *Plasmodium vivax* in blacks. The Duffy-blood-group genotype, *FyFy*. *New England J. Med.* 295(6):302-304.
- Phillips, R. S. 1974. Antigenic character of the plasmodia. *Internat. Congress Parasitol. (Munich) Proc.* 3(2):1106-1107. [*Plasmodium knowlesi*]
- Seed, T. M., Brindley, D., Aikawa, M. and Rabbege, J. 1976. *Plasmodium berghei*: osmotic fragility of malaria parasites and mouse host erythrocytes. *Expt. Parasitol.* 40(3):380-390.
- Sindhen, R. E. and Smalley, M. E. 1976. Gametocytes of *Plasmodium falciparum*: phagocytosis by leucocytes *in vivo* and *in vitro*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 70(4):344-345.
- Smith, C. C., McCormick, G. J. and Canfield, C. J. 1976. *Plasmodium knowlesi*: *in vitro* biosynthesis of methionine. *Expt. Parasitol.* 40(3):432-437.
- Speer, C. A., Silverman, P. H. and Schiewe, S. G. 1976. Cultivation of the erythrocytic stages of *Plasmodium berghei* in primary bone marrow cells. *J. Parasitol.* 62(5):657-663.
- analogues as potential antimalarial agents. *J. Medicinal Chem.* 19(9):1111-1119.
- Center for Disease Control. 1976. Malaria guidelines: Center for Disease Control recommended treatment schedules, 1974. *Clin. Toxicol.* 9(1):137-140.
- Geddes, A. M. 1976. Chloroquine in malaria chemotherapy. *J. Antimicrob. Chemother.* 2(1):106.
- Grindel, J. M. and Coauthors. 1976. The absorption, distribution, and excretion in mice of a quinolinemethanol antimalarial, 2,8-bis(trifluoromethyl)-4-[1-hydroxy-3-(N- τ -butylamino) (propyl) quinoline] phosphate (WR 184, 806). *Drug Metabolism and Disposition* 4(2):133-139.
- Hissung, A. and Weibezahm, K. F. 1976. The action of ionizing radiation on DNA in the presence of quinacrine. III. E.S.R. study: spin transfer in gamma-irradiated lycopophilized DNA-quinacrine complexes. *Radiation and Environmt. Biophysics* 13(2):137-143.
- Okpala, I. 1975. The chemotherapeutic action of PAM-780 against *Plasmodium berghei* malaria in mice. *West. Afr. J. Pharmacol. Drug Res.* 2(1):78P-79P.
- Rinehart, J., Arnold, J. and Canfield, C. J. 1976. Evaluation of two phenanthrenemethanols for antimalarial activity in man: WR 122,455 and WR 171,669. *Amer. J. Trop. Med. and Hyg.* 25(6):769-774.
- Rothe, W. E. 1976. Quinioterapia de la malaria en monos Sudamericanos. *Bol. Ofic. Sanit. Panamer.* 81(4):338-344. *Engl. Sum.*
- Shanmugam, C. A. K. and Coauthors. 1976. Treatment of *P. falciparum* infection with chloroquine and primaquine in Salem and Sathyamagalams towns of Tamil Nadu. *Indian J. Med. Res.* 64(9):1314-1317.
- Sitprijia, V. 1976. Fluid therapy in malaria. *Brit. Med. J.* 6024:1532.
- Trenholme, G. M. and Coauthors. 1976. Quinine disposition during malaria and during induced fever. *Clin. Pharmacol. and Therapeut.* 19(4):459-467.
- Trigg, P. I. 1976. Parasite cultivation in relation to research on the chemotherapy of malaria. *WHO Bul.* 53(4):399-406.
- Valera, C. V. and Shute, G. T. 1976. Preliminary studies on the response of *Plasmodium falciparum* to chloroquine in the Philippines, with the *in vitro* technique. *WHO Bul.* 53(4):391-398.
- Warner, A. M. and Neumeyer, J. L. 1976. Synthesis and antimalarial activity of dibenz[c,e]azepine derivatives. *J. Pharmaceut. Sci.* 65(6):928-929.
- Wilkinson, R. N., Noeypatimanondh, S. and Gould, D. J. 1976. Infectivity of falciparum malaria patients for anopheline mosquitoes

Malaria—Therapeutics and Antimalarials

- Agharkar, S., Lindenbaum, S. and Higuchi, T. 1976. Enhancement of solubility of drug salts by hydrophilic counterions: properties of organic salts of an antimalarial drug. *J. Pharmaceut. Sci.* 65(5):747-749.
- Carroll, F. I., Blackwell, J. T., Philip, A. and Twine, C. E. 1976. Reduced 8-aminoquinoline

Malaria—Antimalarials—Resistance

- Jadin, J., Timperman, G. and De Ruysser, F. 1976. Physiological and morphological characters in two pyrimethamine-resistant lines of *Plasmodium berghei* SP 11 after cryopreservation. Roy. Soc. Trop. Med. and Hyg. Trans. 70(3):235–237.
- Merkli, B. and Peters, W. 1976. A comparison of two different methods for the selection of primaquine resistance in *Plasmodium berghei berghei*. Ann. Trop. Med. and Parasitol. 70(4):473–474.
- Yung, A. P. and Bennett, N. M. 1976. Chloroquine-resistant falciparum malaria in Papua New Guinea. Med. J. Australia 2(8):320.

Malaria—Transfusion

- Costin, C., Cohen, A., Barak, S. and Vardi, A. 1976. A case of transfusion-induced malaria. Israel J. Med. Sci. 12(7):687–688.
- Miller, L. H. 1976. Transfusion malaria and immigrant blood donors. J. Infect. Dis. 133(6):727.

Malaria—Vectors

- Crewe, S. M. 1976. *Aedomyia*, a possible new vector of avian malaria. Ann. Trop. Med. and Parasitol. 70(4):477–478.

EXPERIMENTAL HOSTS OR VECTORS

- Lainson, R., Shaw, J. J. and Ward, R. D. 1976. *Scabellackia landaue* sp. nov. (Eimeriorina: Lankesterellidae) in the Brazilian lizard *Polydoras marmoratus* (Iguanidae): experimental transmission by *Culex pipiens fatigans*. Parasitology 73(3):225–243.
- Mazzola, V., Amerault, T. E. and Roby, T. O. 1976. Survival of *Anaplasma marginale* in *Aedes albopictus* cells. Amer. J. Vet. Res. 37(8):987–989.
- Mellor, P. S. 1976. Infection of *Culicoides varipennis*, *Culicoides nebulosus*, *Culicoides rielhi* and *Aedes aegypti* with *Mansonella ozzardi*. Roy. Soc. Trop. Med. and Hyg. Trans. 70(4):353.
- Singh, S. N., Rao, V. G. and Rao, B. K. 1976. *Anopheles flavitarsis* recorded as an experimental vector host of *Wuchereria bancrofti*. J. Helminthol. 50(2):96–97.

LIGHT AND OTHER TRAP STUDIES

- Blomberg, O., Itamies, J. and Kuusela, K. 1976. Insect catches in a blended and a black light

- trap in northern Finland. Oikos 27(1):57–63. [Culicidae included.]
- Chandler, J. A., Hill, M. N. and Highton, R. B. 1976. The use of light traps for long-term surveillance of mosquitoes of epidemiological importance on the Kano Plain, Kenya. East Afr. Med. J. 53(10):596–600.
- Lloyd, J. E. and Pennington, R. G. 1976. Mosquitoes collected in a CO₂-baited CDC miniature light trap and a bovine-baited trap in Wyoming. Mosquito News 36(4):457–459. See also Chandler et al. in Distribution Section.

LITERATURE REFERENCES AND REVIEWS

- Nowell, W. R. 1976. An annotated bibliography of the mosquitoes and mosquito-borne diseases of Guam (Diptera: Culicidae). Mosquito Systematics 8(4):355–385.
- Sollers-Riedel, H. 1976. Literature references to mosquitoes and mosquito-borne diseases. 1976—Part IV. Mosquito News 36(4):586–604.
- See also Sollers-Riedel in Techniques Section.

BIOGRAPHY AND HISTORY

- Berry, R. L. 1976. Richard J. Schroeder. Mosquito News 36(4):535. [1922–1975.]
- Kansas Medical Society. 1976. 200 years of American medicine: American medicine in 1776. Kans. Med. Soc. J. 77(7):347–351. [Yellow fever.]
- Knutson, L. 1977. Dedication of this issue to Alan Stone. Ent. Soc. Wash. Proc. 79(1):1–2. [Issue of Proceedings in honor of Alan Stone.]
- Thompson, F. C. and Sabrosky, C. W. 1976. Aleksandr Aleksandrovitch Stackelberg 1897–1975. Ent. Soc. Wash. Proc. 78(4):499–500.
- Zaevisev, V. F. 1976. Aleksandr Aleksandrovitch Stackelberg (1897–1975). Zool. Zhur. 55(9):1419–1420. In Rus.

SUBJECTS NOT COVERED BY OTHER HEADINGS

- Peters, R. F. 1976. Which way AMCA? Mosquito News 36(4):397–401.
- Chapman, H. C. 1975. Activities of the American Mosquito Control Association. Utah Mosquito Abat. Assoc. Proc. 28:1.

BOOKLETS AND REPORTS

- Desplaines Valley Mosquito Abatement District, Lyons, Illinois. 1976. 11 pp. Pub. 1977.

BOOKS

Hayes, W. J., Jr. 1975. Toxicology of pesticides. 580 pp., Baltimore. Williams and Wilkins.

Ninth International Congress on Tropical Medicine and Malaria. 1973. Abstracts of invited papers. Internatl. Cong. Trop. Med. and Malaria (Athens) 9(1):329 pp.

WHO FELLOWSHIPS

The World Health Organization will make available in 1978 a limited number of short-term fellowships for travel abroad related to the "improvement and expansion of health services" in the United States. This support is limited to United States citizens engaged in operational or educational aspects of public health employed by state or local agencies or employees of educational institutions. Employees of the Federal Government are not eligible to apply.

A selection committee will recommend the awarding of fellowships based upon the following criteria—professional background of the applicant, the field and locale of the proposed study, and the utilization of the experience by the applicant upon his return. Applications will not be considered for the pursuit of pure research projects, for attendance at international meetings, nor from students in the midst of training at either the undergraduate or graduate level.

The fellowship award will cover per diem and transportation. Employers of successful applicants are expected to endorse the applications and to continue the applicants salary during the fellowship period. Except in unusual circumstances, the fellowship will be limited to short term programs averaging about two months. Fellowships will be awarded up to the total amount of available funds. Deadline for receipt of applications is September 30, 1977.

Additional information may be obtained from Dr. Carl D. Olsen, Chief, International Education Section, Fogarty International Center, NIH, Building 31, Room 2B55, Bethesda, MD 20014.