

REFERENCES TO LITERATURE OF INTEREST TO MOSQUITO WORKERS AND MALARIOLOGISTS

HELEN SOLLERS

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AEROSOLS

AKESON, N. B. 1961. Mosquito abatement project mist blower studies. Calif. Mosquito Cont. Assoc. Proc. 29:148-151.

LAFFERTY, B. 1961. Observations of the use of fogging. Calif. Mosquito Cont. Assoc. Proc. 29:96-98.

PETERS, R. H., CAMPBELL, E. and BRUMBAUGH, L. R. 1961. Origin and history of the "California mist machine." Calif. Mosquito Cont. Assoc. Proc. 29:146.

See also Mulhern et al. under Equipment.

ADULTICIDES AND LARVICIDES

DAVIS, A. N. and GAHAN, J. B. 1961. New insecticides for the control of saltmarsh mosquitoes. Fla. Ent. 44(1):11-14.

GEIB, A. F. 1961. Use and development of granular insecticides in the Kern Mosquito Abatement District. Calif. Mosquito Cont. Assoc. Proc. 29:144-145.

GÖKBERK, C. 1961. The results of three years of dieltrin application in a malarious area Adana-Turkey. Riv. di Malariol. 40(1/3):1-8. In Engl.

HEDEEN, R. A. 1961. The use of DDVP for the control of mosquitoes breeding in catch basins. Mosquito News 21(3):255-256.

LEWALLEN, L. L. 1961. Granular, emulsifiable concentrate, and oil formulations as mosquito larvicides. Calif. Vector Views 8(6):29, 33.

METCALF, R. L., FUKUTO, T. R. and WINTON, M. Y. 1960. Alkoxyphenyl N-methylcarbamates as insecticides. J. Econ. Ent. 53(5):828-832. [Effective against *Culex p. quinquefasciatus*.]

MULLA, M. S., AXELROD, H. and ISAAK, L. W. 1961. Effectiveness of new insecticides against mosquito larvae. Mosquito News 21(1):216-224.

RATHBURN, C. B., JR. and ROGERS, A. J. 1961. Tests of insecticides for the control of adult mosquitoes, 1959-1960. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:36-40.

WEBBE, G. 1961. Field trials of phosphoric acid esters as larvicides, and their toxicity to fish. Ann. Trop. Med. and Parasitol. 55(2):187-191.

VARIOUS TYPES OF CONTROL

AMERICAN MOSQUITO CONTROL ASSOCIATION. 1961. Organization for mosquito control. Amer. Mosquito Cont. Assoc. Bul. 4, 55 pp.

FLORIDA ANTI-MOSQUITO ASSOCIATION. 1961. Annual reports of districts and counties as follows: Bay—Messer, A. L.; (Bay) Gulf—Spader, D;

Brevard—Salmela, J.; (Collier) Naples—Watson, B. G.; Citrus—Patterson, P.; Charlotte—Thomas, W. G.; Broward—Souder, C. D., Jr.; Dade—Stutz, F. H.; East Duval—Whittlesay, J. P., Jr.; Franklin—Lastinger, B. G.; East Flagler—Gage, L. L.; Gulf—Daniell, C. E.; Hernando—Colson, S. H.; Hillsborough—Gorman, J. D.; Lake—Tanner, F. F.; Lee—Miller, T. W., Jr.; (Lee) Fort Myers Beach—Karr, G. A.; Madison—Eads, D.; Leon—Boyd, G. M.; Levy—May, B. E., Jr.; Manatee—Kemp, R. L.; Martin—Witham, M. A.; Monroe—Warner, W. W.; Okaloosa—Callaway, W. J.; Orange—Whittaker, W. B.; Pinellas—Fernald, L. L.; Polk—Fultz, T. O., Jr.; Putnam—Hickey, G. B.; St. Lucie—Harden, F. W.; (St. Johns) Anastasia—Bartnett, R. E.; Santa Rosa—Callaway, W. J.; Taylor—Taylor, D.; Sarasota—Williams, J. M.; Suwannee—Bronson, A. L.; Walton—Glass, A. D.; Washington—Gilmore, K. P.; Volusia—Hunt, P. J. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:53-161.

HAEGER, J. S. 1961. Just how far have we advanced in mosquito "know-how" during the past 60 years in the United States. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:9-13.

MADDOCK, D. R. and SEDLAK, V. A. 1961. Dosage-mortality response of *Anopheles quadrimaculatus* exposed to DDVP vapour. WHO Bul. 24(4/5):644-646.

MATHIS, W., MILES, J. W. and SCHOOF, H. F. 1961. Relationship of ventilation and dosage to the effectiveness of DDVP as a residual fumigant. WHO Bul. 24(4/5):646-649.

PEARCE, G. W., SCHOOF, H. F. and QUARTERMAN, K. D. 1961. Insecticidal vapours for aircraft disinsection. WHO Bul. 24(4/5):611-616.

RAPLEY, R. E. 1961. Notes on the construction of experimental huts. WHO Bul. 24(4/5):659-663.

WALLIS, R. C. 1961. The effect of phenylthiourea and 4-chlororesorcinol on *Aedes aegypti* larvae. Mosquito News 21(3):187-189.

CONTROL PAPERS FROM CALIF. MOSQUITO CONT. ASSOC. PROC. 29:

BICKLEY, W. E. and MALLACK, J. 1961. Lagoons for sewage, other wastes—and mosquitoes. pp. 152-153.

BUZICKY, A. W. 1961. Organized mosquito control in Minnesota. pp. 87-89.

CHRISMAN, J. 1961. Mosquito control and urban interests. pp. 82-83.

MERRILL, M. H. 1961. The challenge of mosquito and other vector control. pp. 17-20.

MULLER, L. S. 1961. Vector control in the Northwest. pp. 92-93. [Includes mosquitoes.]

MULLA, M. S. 1961. Mosquito control investigations with emphasis on the integration of chemical and biological control in mosquito abatement. pp. 101-105.

MULRENNAN, J. A. 1961. Relationship of mosquito control to recreation. pp. 85-86.

PANGBURN, H. C., DUNPHY, H. and MEZGER, E. G. 1961. Application of the diffusion process in motivating farmers to undertake mosquito source reduction. pp. 90-92.

PORTMAN, R. F. and HALL, L. L. 1961. Biology and control of *Aedes sierrensis* in California. pp. 141-144.

ROMANOWITZ, C. M. 1961. Mosquito control around the world by dredging. pp. 153-154.

SPRINGER, P. F. 1961. Relationship of mosquito control to conservation. pp. 83-85.

VIESER, C. A. 1961. Organization of new districts in new territory. pp. 125-127. [General discussion of this subject follows on pp. 127-140. Discussion leaders included A. R. Girkins on public relations, O. McFeely on management of the field force and G. F. MacLeod on tax money obligations of directors.]

WHITTEN, G. R. 1961. The economic aspects of source reduction on liquid agricultural wastes. p. 99.

PARASITES AND PREDATORS

HEIDT, J. H. 1961. *Belonesox belizanus*, the enemy of mosquito control workers. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:47-49. [Kills *Gambusia*.]

KELLEN, W. R. 1961. Biological control. Calif. Mosquito Cont. Assoc. Proc. 29:109.

WELCH, H. E. 1960. Effects of protozoan parasites and commensals on larvae of the mosquito *Aedes communis* (DeGeer) (Diptera: Culicidae) at Churchill, Manitoba. J. Insect. Path. 2(4):386-395.

EQUIPMENT

BUZICKY, A. W. 1961. Radio communications. Calif. Mosquito Cont. Assoc. Proc. 29:95-96.

HULME, C. E. 1961. Effects of lubricants on modern-day equipment. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:41-46.

JONES, G. P. 1961. Marsh control equipment in Marin. Calif. Mosquito Cont. Assoc. Proc. 29:98-99.

MULHERN, T. D., LOPP, O. V. and PETERS, R. H. 1961. A utility mist blower for use on a jeep or pick-up truck. Calif. Mosquito Cont. Assoc. Proc. 29:146-148.

ATTRACTANTS AND REPELLENTS

ALMAZOVA, V. V. and COWORKERS. 1961. Field tests of new repellents. Med. Parazit. i Parazit.

Bolezni 30(4):457-464. In Rus., Engl. Sum. p. 507.

WILLIAMS, R. E. and DELONG, D. M. 1961. Selection of oviposition site with regard to color in the mosquito, *Aedes triseriatus* (Say). N. Cent. Br., Ent. Soc. Amer. Proc. 16:107-108.

RESISTANCE AND SUSCEPTIBILITY

AIAPPA, M. T. 1961. A note on the residual foci of malaria transmission encountered in the course of experimental surveillance operations in Coorg District of Mysore State. Indian J. Malariol. 15(1):11-10.

BELIOS, G. D. 1961. Resistance of malaria vectors in Greece. The situation in 1960. WHO/Mal/307, 16 pp.

BRANSBY-WILLIAMS, W. R. 1961. Influence of temperature during the treatment period on the susceptibility to dieldrin of adult *Aedes aegypti*. WHO Bul. 24(4/5):541-545.

BROWN, A. W. A. 1961. Anophelines and resistance: practical problems. Industry and Tropical Health 4:197-206.

_____. 1961. Negatively-correlated insecticides: A possible countermeasure for insecticide resistance. Pest Control 29(9):24, 26, 40, 42, 44.

BURNETT, G. F. and ASH, L. H. 1961. The susceptibility to insecticides of disease-carrying mosquitoes in Fiji. WHO Bul. 24(4/5):547-555.

COLUZZI, A. and COLUZZI, M. 1961. Sull'irritabilità degli *Anopheles* al DDT in rapporto all'eradicazione della malaria. Riv. di Malariol. 40(1/3):35-40.

DAS, M. and NEEDHAM, P. H. 1961. Effect of time and temperature on toxicity of insecticides to insects. I. Tests of DDT on larvae of *Aedes aegypti* L. Ann. Applied Biol. 49(1):32-38.

FONTAN, R. and FAURAN, P. 1960. Sur l'élimination de Guyane Française d'une population d'*Aedes aegypti* résistant au D.D.T. Inst. Guyane Franç. et de l'Inini Arch. Pub. No. 458, 14 pp.

FOX, I. 1961. Resistance of *Aedes aegypti* to certain chlorinated hydrocarbon and organophosphorus insecticides in Puerto Rico. WHO Bul. 24(4/5):489-494.

ISAAK, L. W. 1961. Review of insecticide resistance in Kern Mosquito Abatement District. Calif. Mosquito Cont. Assoc. Proc. 29:105-106.

KAHN, N. H. and BROWN, A. W. A. 1961. Genetical studies on dieldrin-resistance in *Aedes aegypti* and its cross-resistance to DDT. WHO Bul. 24(4/5):519-526.

LUEN, S. C. and SHALABY, A. M. 1961. Preliminary note on the development of DDT resistance in *A. culicifacies* Giles in Panchmahals District of Gujerat State (formerly part of Bombay State) India. WHO/Mal/302, WHO/Insect./123, 14 pp.

MARTINEZ, PALACIOS, A. 1961. Experiencias sobre la persistencia de la accion del DDT en las casas reciadas por la CNEP en Mexico. CNEP Bol. 5(1):12-18. Engl. Sum.

MATSUMURA, F. and BROWN, A. W. A. 1961. Biochemical study of a malathion-tolerant strain of *Aedes aegypti*. Mosquito News 21(3):192-194.

MICKS, D. W., COX, W. M. and MCNEILL, J. C., IV. 1961. The status of insecticide resistance in some mosquito species of Texas. Mosquito News 21(3):229-232.

OMARDEEN, T. A. 1961. Susceptibility tests in Trinidad with *Anopheles aquasalis* Curry, *Aedes aegypti* (L.) and *Culex pipiens fatigans* Wiedemann, using the standard WHO mosquito adult test kit. WHO Bul. 24(4/5):495-507.

PATEL, T. B., RAMACHANDRA RAO, T. and BHATTIA, S. C. 1961. Results of a rapid susceptibility survey of *Anopheles culicifacies* in Bombay State, India, during 1959, revealing continued susceptibility to DDT except in a few scattered pockets. Indian J. Malariol. 15(1):57-70.

ROZEBOOM, L. E. and JOHNSON, R. 1961. Inheritance of resistance to dieldrin in *Anopheles albimanus* Wiedemann. Amer. J. Trop. Med. and Hyg. 10(5):775-781.

SACCÀ, G. 1961. Resistenza al dieldrin di *A. labranchiae* Fall. in Marocco. Ist. Super. di Sanità (Rome) 24(1):13-17.

SCHOOF, H. F., MATHIS, W. and AUSTIN, J. R. 1961. Field tests on the residual effectiveness of deposits of malathion and Bayer 29493 against resistant *Anopheles albimanus* in El Salvador. WHO Bul. 24(4/5):475-487.

TAHORI, A. S. 1961. A survey of *Culex molestus* larvae in Israel for DDT-resistance. WHO Bul. 24(4/5):674-675.

UNGUREANU, E., CRISMARU, V. and BURGELE, E. 1961. Investigations on the contact of the legs of anophelines with resting surfaces and its effect on susceptibility to insecticides. WHO Bul. 24(4/5):445-450.

WORLD HEALTH ORGANIZATION. 1961. Supplement to WHO/Mal/307, 14 pp. [Includes problems of resistance of malaria parasites to drugs, southern advance of dieldrin resistant *A. gambiae* in Africa, et al.]

INSECTICIDES AND CHEMICALS

BAMI, H. L. 1961. Sorption of 75% DDT water-dispersible powder on different mud surfaces. WHO Bul. 24(4/5):567-575.

TOXICOLOGY

UPHOLT, W. M. 1961. Evaluation of health hazards of pesticides. Calif. Mosquito Cont. Assoc. Proc. 29:111-114.

WORLD HEALTH ORGANIZATION. 1961. Bibliography on pesticides toxicity and accidental poisoning. WHO/Insect./124, 3 pp.

———. 1961. Information circular on the toxicity of pesticides to man. No. 7, 17 pp.

ZAVON, M. R. and HAMMAN, R. E. 1961. Human experience with dieldrin in malaria control programs. Amer. J. Pub. Health 51(6):1026-1034.

BEHAVIOR, BIOLOGY AND ECOLOGY

CHEBOTAREV, B. G. and RYABIKH, L. V. 1961. On the fauna of bloodsucking mosquitoes in the Yakutsk ACCP. Med. Parazit. i Parazit. Bolezni 30(4):475-476. In Rus., Engl. Sum. p. 508.

COLLETT, C. G. and REES, D. M. 1961. Recent changes in *Aedes nigromaculis* (Ludlow) populations in the Salt Lake City Mosquito Abatement District. Calif. Mosquito Cont. Assoc. Proc. 29:155.

DABROWSKA-PROT, E. 1960. Notes on the space distribution of mosquitoes in an environment cultivated by man. Ekol. Polska, Ser. A. 8(11), 19 pp. In Pol., Engl. Sum.

DÉDUIT, Y. 1960. Études sur la ponte par autogénèse des culicidés. IV. Données numériques sur l'acte de ponte chez un groupe de femelles fécondées de *Culex pipiens autogenicus* Roubaud; recherche d'effet de groupe. Soc. de Biol. (Paris) Compt. Rend. 154(8/9):1617-1619.

EADS, R. B., TREVINO, H. A. and CAMPOS, E. G. 1961. Unusual larval mosquito recoveries from fire barrels. Mosquito News 21(3):251-252.

GILLET, J. D. 1961. Cyclical feeding-activity in colonized mosquitoes. Nature (London) 190(4779):881-883.

GRAHAM, J. E. and REES, D. M. 1961. Fluctuations in abundance of common species of mosquitoes in Salt Lake County, Utah. Calif. Mosquito Cont. Assoc. Proc. 29:25-30.

HADDOW, A. J. 1961. Studies on the biting habits and medical importance of East African mosquitoes in the genus *Aedes*. II.—Subgenera *Mucidus*, *Dieromyia*, *Finlaya* and *Stegomyia*. Bul. Ent. Res. 52(2):317-351.

HAEGER, J. S. 1961. Rearing *Mansonia (Coquillettidia) perturbans* (Walk.) in the laboratory. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:20-22.

HARDEN, F. W. and CHUBB, H. S. 1961. Observations of *Aedes taeniorhynchus* dispersal in extreme south Florida and The Everglades National Park. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:162-165.

HAYES, R. O. 1961. Host preferences of *Culiseta melanura* and allied mosquitoes. Mosquito News 21(3):179-187.

HORSFALL, W. R. 1961. Daily rate of oviposition of a brood of the mosquito, *Aedes vexans*. J. Econ. Ent. 54(4):807-808.

——— and FOWLER, H. W., Jr. 1961. Eggs of floodwater mosquitoes. VIII. Effect of serial temperatures on conditioning of eggs of *Aedes stimulans* Walker (Diptera: Culicidae). Ent. Soc. Amer. Ann. 54(5):664-666.

KUHLLOW, F. 1961. Field experiments on the behaviour of malaria vectors in an unsprayed hut and in a hut sprayed with DDT in Northern Nigeria. WHO/Mal/310, 20 pp.

LAVRENKO, E. M. 1961. On the pattern of the prey of the mosquitoes *Aedes (Aedimorphus) vexans* Meig. Med. Parazit. i Parazit. Bolezni 30(4):474-475. In Rus.

LOVE, G. J. and GOODWIN, M. H., JR. 1961. Notes on the bionomics and seasonal occurrence of mosquitoes in southwestern Georgia. Mosquito News 21(3):195-215.

MAIL, G. A. and MCHUGH, R. A. Relation of temperature and humidity to winter survival of *Culex pipiens* and *Culex tarsalis*. Mosquito News 21(3):252-254.

MASLOV, A. V. 1961. Contribution to the ecology of development of bloodsucking mosquitoes. 3. Survival in the development of mosquitoes belonging to the *Culiseta* group. Zool. Zhurnal 40(4):616-619. In Rus., Engl. Sum.

MCHUGH, R. A. 1961. Current log pond mosquito research in Oregon. Calif. Mosquito Cont. Assoc. Proc. 29:109-111.

NOERHADI, E. 1960. Sumbangan perihal sifat biologik Njamuk anophelini dibeberapa daerah pedalaman Djawa-barat. 106 pp. Engl. Sum. [Thesis Lab. Botani Dept. Kimia-Biologi Inst. Teknol. Bandung dan Dinas Pembasmian Malaria Bandung.]

ONO, T. 1960. Observations on *Culex pipiens* reared through successive generations. First report. On the longevity, the blood-sucking and the oviposition of females after overwintering. Sanit. Injurious Insects 5(3):19-30. In Jap., Engl. Sum.

———. 1961. Observations on *Culex pipiens* reared through successive generations. Second report. Results obtained in 1960. Third report. Sanit. Injurious Insects 5(11):103-110; 5(12):111-122. In Jap., Engl. Sum. pp. 107 and 115.

———. 1960. On the seasonal prevalence of the numbers of egg-rafts deposited in several indoor basins by wild females of *Culex pipiens pallens* and *Culex vorax*. Sanit. Injurious Insects 5(9):85-92. In Jap., Engl. Sum.

PORTER, J. E., EVANS, B. R. and HUGHES, J. H. 1961. The significance of water-holding cavities of trees as mosquito foci with special reference to *Aedes aegypti* control programs. Mosquito News 21(3):234-237.

QURAIISHI, M. S. 1960. Resting habits of *Anopheles* species in Mymensingh District, East Pakistan. Pakistan J. Sci. and Indus. Res. 3(3):178-180.

RAPP, W. F., JR. 1961. Mosquito production in sewage lagoons. N. Cent. Br., Ent. Soc. Amer. Proc. 16:105-107.

ROMAN, E. 1960. Eleavage en série du moustique citadin *Culex pipiens autogenicus* (Dipt. Culicidae). Soc. Ent. de France Bul. 65(9/10):281-287.

SMITH, A. 1961. Resting habits of *Anopheles gambiae* and *Anopheles pharoensis* in salt bush and in crevices in the ground. Nature (London) 190(4782):1220-1221.

WEBBE, G. 1961. Breeding sites of malaria vectors in relation to water management and agricultural practice in the Sukumaland area of Tanganyika. East Afr. Med. J. 38(5):239-245.

WORTH, C. B., DE SOUSA, J. and WEINBREN, M. P. 1961. Studies on the life-history of *Aedes*

(*Skusea*) *pembaensis* (Theobald) (Diptera, Culicidae). Bul. Ent. Res. 52(2):257-261.

See also Portman and Hall under Various Types of Control (Calif. Proc.).

GENETICS

CRAIG, G. B., JR., VANDEHEY, R. C. and HICKEY, W. A. 1961. Genetic variability in populations of *Aedes aegypti*. WHO Bul. 24(4/5):527-539.

FRENCH, W. L. and KITZMILLER, J. B. 1961. Cytological evidence for crossing over in males of *Anopheles quadrimaculatus*. Amer. Zoologist 1(3):356.

KITZMILLER, J. B. and FRENCH, W. L. 1961. Chromosomes of *Anopheles quadrimaculatus*. Amer. Zoologist 1(3):366.

KRISHNAMURTHY, B. S. and LAVEN, H. 1961. A note on inheritance of autogeny in *Culex* mosquitos. WHO Bul. 24(4/5):675-677.

LONG, J. D. 1961. Chromosome studies with first instar mosquito larvae. Part I. Technique. Calif. Mosquito Cont. Assoc. Proc. 29:24-25.

ANATOMY, MORPHOLOGY AND PHYSIOLOGY

BÄSSLER, U. 1961. Zum schweresinn von mehlkäfern (*Tenebrio molitor*) und stechmücken (*Aedes aegypti*). Z. f. Naturfor. 16b(4):264-267.

BRELAND, O. P. and RIEMANN, J. G. 1961. Preliminary studies of spermatogenesis in the mosquito *Culiseta inornata*. Amer. Zoologist 1(3):345-346.

JONES, J. C. 1961. Notes on a male *Aedes aegypti* whose terminalium failed to rotate. Mosquito News 21(3):248-250.

———. 1961. Observations on sexually depleted male *Aedes aegypti*. Amer. Zoologist 1(3):362.

ORR, C. W. M., HUDSON, A. and WEST, A. S. 1961. The salivary glands of *Aedes aegypti*; histological-histochemical studies. Canad. J. Zool. 39(3):265-272.

TECHNIQUES

ARMSTRONG, J. A. and BRANSBY-WILLIAMS, W. R. 1961. The maintenance of a colony of *Anopheles gambiae*, with observations on the effects of changes in temperature. WHO Bul. 24(4/5):427-435.

BARLOW, C. A. and NICHOLS, C. F. 1961. A humidity gradient apparatus for insects. Canad. Ent. 93(10):860-864.

BAR-ZELV, M. and GALUN, R. 1961. A magnetic method of separating mosquito pupae from larvae. Mosquito News 21(3):225-228.

BRADY, J. 1961. Results of age-grouping work on some anopheline mosquitoes in southern Ghana. WHO/Mal/303, 12 pp.

HAMON, J., CHAUVET, G. and THÉLIN, L. 1961. Observations sur les méthodes d'évaluation de l'âge physiologique des femelles d'*Anopheles*. WHO Bul. 24(4/5):437-443.

HORSFALL, W. R. and ANDERSON, J. F. 1961. Suppression of male characteristics of mosquitoes by thermal means. Science 133(3467):1830.

NICHOLLS, C. F. 1961. A low speed wind tunnel for determining the effect of wind on flight activity of insects. Canad. Ent. 93(10): 865-866.

PORTER, J. E. and KOZUCHI, G. 1961. Improved techniques for the laboratory rearing of *Aedes aegypti*. Calif. Mosquito Cont. Assoc. Proc. 29:30.

TAXONOMY

COLLESS, D. H. 1959. Some species of *Culex* (*Lophoceraomyia*) from New Guinea and adjacent islands, with descriptions of four new species and notes on the male of *Culex fraudatrix* Theobald (Diptera: Culicidae). Linn. Soc. N. S. Wales Proc. 84(3):382-390. [See erratum concerning this article in Linn. Soc. N. S. Wales Proc. 82(2): 256, 1960.]

DOBROTOWSKY, N. V. 1960. The genus *Theobaldia* (Diptera, Culicidae) in Victoria. II. Linn. Soc. N. S. Wales 85(2):240-247. [*Culiseta drummondii*, *C. sylvanensis*, *C. otwayensis* n. sp.]

———. 1960. The subgenus *Ochlerotatus* in the Australian Region (Dipt.: Culicidae). IV. Review of species of the *flavifrons* section. Linn. Soc. N. S. Wales Proc. 85(2):180-188.

GRJEBINE, A. and CHAUVET, G. 1961. Position systématique d'*Anopheles mascarensis* de Meillon, 1947 et description de la larve et de la nymphe. Soc. de Path. Exot. Bul. 54(1):119-128. Engl. Sum.

HAMON, J., TAUFFLIEB, R. and DYEMKOUMA, A. 1961. Observations sur la variabilité d'*Anopheles rufipes*, Gough, 1910, avec description d'une nouvelle variété. Soc. de Path. Exot. Bul. 54(1): 24-28. Engl. Sum. [*A. rufipes brucechwattii*.]

MARTINEZ, A., CARCAVALLO, R. U. and PROSEN, A. F. 1960. Una nueva especie de Culicidae de Bolivia (Diptera). Buenos Aires. U. Facul. de Cien. Med. Catedra de Microbiol. y Parasitol. Rev. 28(89):25-29. [*Aedes bejaranoi* n. sp.]

MIHÁLYI, F. 1961. Description of the larva of *Aedes* (*Ochlerotatus*) *hungaricus* Mihályi (Diptera: Culicidae). Acta Zool. 7(1):231-233.

NAKATA, G. and MATUO, K. 1960. Taxonomic re-examination of the *Aedes* (*Finlaya*) *niveus* subgroup found in Japan. I. On the variations of discriminative characters of larvae collected from a stone basin being accompanied by those of adults derived from them. Sanit. Injurious Insects 5(1):1-8. In Jap., Engl. Sum.

NIELSEN, L. T. 1961. *Aedes schizopinax* Dyar in the western United States. Calif. Mosquito Cont. Assoc. Proc. 29:21-24.

SCHREIBER, G. and GUEDES, A. S. 1961. Cytological aspects of the taxonomy of anophelines

(subgenus *Nyssorhynchus*). WHO Bul. 24(4/5): 657-658.

SHAHGUDIAN, E. R. 1960. A key to the anophelines of Iran. Acta Med. Iranica 3(3): 38-48.

DISTRIBUTION

ASSEM, J. VAN DEN. 1961. Mosquitoes collected in the Hollandia area, Netherlands New Guinea, with notes on the ecology of larvae. Tijdschrift. v. Ent. 104(2):17-30.

EVANS, B. R. and FINK, E. J. 1961. Mosquito larvae recovered from cistern and cemetery urns in seaport cities in Louisiana, Mississippi and Alabama. Calif. Mosquito Cont. Assoc. Proc. 29:30-32.

JOSEPH, S. R. 1961. *Aedes thibaulti* in Maryland. Mosquito News 21(3):251.

LAIRD, M. 1961. Members of the *Culex pipiens* series in New Caledonia and the New Hebrides. Nature (London) 190(4782):1221-1222.

LEPES, T. and VITANOVIC, R. 1961. The appearance of *Anopheles sacharovi* in the Republic of Macedonia (Yugoslavia). WHO/Mal/306, 6 pp. [With technical assistance of Djula Nadj.]

MOUCHET, J. and GARIOU, J. 1961. Répartition géographique et écologique des *Anopheles* au Cameroun. Soc. de Path. Exot. Bul. 54(1):102-118. Engl. Sum.

WORTH, C. B. and DE MEILLON, B. 1960. Culicine mosquitoes (Diptera: Culicidae) recorded from the Province of Moçambique (Portuguese East Africa) and their relationship to arthropod-borne viruses. Inst. Med. Trop. An. (Lisbon) 17(1/2):231-256.

ENCEPHALITIS

ANDERSON, J. R. and COWORKERS. 1961. Isolation of eastern encephalitis virus from Diptera in Wisconsin. Mosquito News 21(3):244-248. [Includes mosquitoes.]

BOND, J. O. 1961. The status of arthropod-borne encephalitis viruses in Florida. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:14-19.

BURGDORFER, W., NEWHOUSE, V. F. and THOMAS, L. A. 1961. Isolation of California encephalitis virus from the blood of a snowshoe hare (*Lepus americanus*) in western Montana. Amer. J. Hyg. 37(3):344-349. [Includes species of mosquitoes involved or likely to be involved in transmission.]

BURTON, A. N., CONNELL, R., REMPEL, J. G. and GOLLOP, J. B. 1961. Studies on western equine encephalitis associated with wild ducks in Saskatchewan. Canad. J. Microbiol. 7(3):295-302.

HAMMON, W. M. 1961. Arthropod-borne viral encephalitis. U. S. Pub. Health Rpts. 76(9): 806-810.

REEVES, W. C., BELLAMY, R. E. and SCRIVANI, R. P. 1961. Differentiation of encephalitis virus infection rates from transmission rates in mos-

quito vector populations. Amer. J. Hyg. 73(3): 303-315.

FILARIASIS

ABDULCADER, M. H. M. and PADLEY, R. 1960. Filariasis records in Ceylon. Indian J. Malariol. 14(4):521-543.

BEREZANTSEV, YU. A. 1961. A case of *Dirofilaria* in man. Med. Parazit. i Parazit. Bolezni 30(4):471. In Rus.

BEYE, H. K. 1960. International organizations and filariasis control. (*Wuchereria bancrofti* and *Brugia malayi*). Indian J. Malariol. 14(4):503-508.

— and GURIAN, J. 1960. The epidemiology and dynamics of transmission of *Wuchereria bancrofti* and *Brugia malayi*. Indian J. Malariol. 14(4):415-440.

BURNETT, G. F. and MATAIKA, J. U. 1961. Mass-administration of diethylcarbamazine citrate in preventing transmission of aperiodic human filariasis. Roy. Soc. Trop. Med. and Hyg. Trans. 55(2):178-187.

CHABAUD, A. G. and FRANK, W. 1961. Nouvelle filaire parasite des artères de l'*Heloderma suspectum* Cope: *Macdonaldius andersoni* n. sp. (Nematodes, Onchocercidae). Ann. de Parasitol. Humaine et Compar. 36(1/2):127-133. Additional note by same authors "Description de la microfilarie de *Macdonaldius oschei*." ibid. pp. 133-134.

—, PETTER, A. J. and GOLVAN, Y. 1961. Les nematodes parasites de lémuriers malgaches. III. Collection récoltée par M. et Mme. Francis Petter. Ann. de Parasitol. Humaine et Compar. 36(1/2):113-126. [Includes *Paulianfilaria pauliani* n. g. and n. comb.]

CHAND, D., SINGH, M. V., GUPTA, B. B. and SRIVASTAVA, R. N. 1961. A note on filariasis in Gonda Town (Uttar Pradesh). Indian J. Malariol. 15(1):39-47.

CHAND, D., SINGH, M. V. and PATHAK, V. K. 1961. Filariasis in the district of Ghazipur (Uttar Pradesh). Indian J. Malariol. 15(1):21-29.

COORAY, G. H. 1960. Some observations on filarial infection in Ceylon with special reference to its histopathology. Indian J. Malariol. 14(4): 617-632.

GIGLIOLI, G. and BEADNELL, H. M. S. G. 1960. Filariasis in British Guiana. Some industrial medical problems. Indian J. Malariol. 14(4): 651-658.

GONSALVES, E. P. 1960. Mass therapy with diethylcarbamazine carried out in Mangalore town under the National Filaria Control Programme, India. Indian J. Malariol. 14(4):495-501.

HAWKING, F. 1960. Periodicity of microfilariae. Indian J. Malariol. 14(4):567-573.

HERTWIG, F. and OBERDOERSTER, F. 1961. Beitrag zu einigen problemen der parasitären krankheiten in China. 3. Mitteilung: Filariasis. Z. f. Tropenmed. u. Parasit. 12(1):41-48. Engl. Sum.

ISHIZAKI, T. and COWORKERS. 1960. The epidemiological studies on the endemic filariasis

due to *Wuchereria bancrofti*. 1. The backward investigation in Kawajiri village, Yoshiwara City, Shizuoka Prefecture. Jap. J. Parasitol. 9(6): 692-700. In Jap., Engl. Sum.

JORDAN, P. 1960. Epidemiology of *Wuchereria bancrofti* in Africa. Indian J. Malariol. 14(4): 353-362.

JOSEPH, C., MENON, M. A. U. and NAIR, G. K. 1960. Pilot studies on the control of filariasis due to *Brugia malayi* (Brug, 1927) in Kerala. Indian J. Malariol. 14(4):663-686.

KESSEL, J. F. 1960. Non-periodic bancroftian filariasis. Indian J. Malariol. 14(4):509-519.

KIRK, R. 1960. A note on the distribution of *Wuchereria* infection in the Sudan and adjacent countries. Indian J. Malariol. 14(4):387-390.

LAING, A. B. G. 1960. A review of recent research on filariasis in Malaya. Indian J. Malariol. 14(4):391-408.

LAURENCE, B. R. and PESTER, F. R. N. 1961. The ability of *Anopheles gambiae* Giles to transmit *Brugia pateri* (Buckley, Nelson and Heisch). J. Trop. Med. and Hyg. (London) 64(7):169-171.

LIE KIAN JOE, HUDOJO, WIJONO, R. M. P. and AMALIAH, S. 1960. *Wuchereria bancrofti* infection in Diakarta, Indonesia. A study of some factors influencing its transmission. Indian J. Malariol. 14(4):339-352.

MENON, M. A. U. 1960. A rapid method of preparing dry mounts of filarial larvae. (A preliminary note). Indian J. Malariol. 14(4):659-662.

MORISHITA, K. 1960. An epidemiological aspect of filariasis in central Japan. Indian J. Malariol. 14(4):363-374.

MUIRHEAD-THOMSON, R. C. 1960. Experimental studies on the infective reservoir of *W. bancrofti* in the human population. Indian J. Malariol. 14(4):409-414.

NAIR, C. P., ROY, R. and RAGHAVAN, N. G. S. 1961. Susceptibility of *Aedes albopictus* to *Dirofilaria repens* infection in cats. Indian J. Malariol. 15(1):49-52.

NELSON, G. S. 1960. The identification of filarial larvae in their vectors. Indian J. Malariol. 14(4):585-592.

PAL, R. and COWORKERS. 1960. On the bionomics of vectors of human filariasis in Ernakulam (Kerala), India. Indian J. Malariol. 14(4):595-604.

RAMAKRISHNAN, S. P. 1960. Special number of Indian Journal of Malariology on *W. bancrofti* and *B. malayi*. Indian J. Malariol. 14(4):333-338.

— and COWORKERS. 1960. National Filaria Control Programme in India: a review (1955-59). Indian J. Malariol. 14(4):457-494.

RAMAKRISHNAN, S. P., SHARMA, M. I. D. and KALRA, R. L. 1960. Laboratory and field studies on the effectiveness of organophosphorus insecticides in the control of *C. fatigans*. Indian J. Malariol. 14(4):545-566.

SASA, M., HAYASHI, S. and TANAKA, H. 1960. Experimental studies on filariasis control in Japan. Indian J. Malariol. 14(4):441-456.

SCOTT, J. A. 1960. Immunity to infection with

Wuchereria. Indian J. Malariol. 14(4):575-583.
SINGH, M. V. 1960. Geographical distribution of filariasis in Uttar Pradesh. Indian J. Malariol. 14(4):379-386.

SWELLENGREBEL, N. H. and STERMAN, M. M. 1961. Animal parasites in man. 652 pp., Princeton, N. J. [Includes malaria and filariasis.]

WATTAL, B. L. and KALRA, N. L. 1960. Studies on culicine mosquitoes. I. Preferential indoor resting habits of *Culex fatigans* Wiedemann, 1828, near Ghaziabad, Uttar Pradesh. Indian J. Malariol. 14(4):605-616.

WHARTON, R. H. 1960. The names of the mosquito hosts and parasites of Malayan filariasis. Indian J. Malariol. 14(4):375-378.

WILSON, T. 1961. Filariasis in Malaya—a general review. Roy. Soc. Trop. Med. and Hyg. Trans. 55(2):107-129. [Discussion pp. 130-134 by Symes, C. B.; Hawking, F.; Manson-Bahr, P.; Selwyn-Clarke, S.; Mattingly, P. F.; MacArthur, W.; Wilson, T. (in reply).]

MALARIA

BAER, H. W. 1960. *Anopheles* und malaria in Thüringen. Parasit. Schriftenreihe No. 12, 154 pp.

CHOUAMARA, R. 1961. Notes sur le paludisme au Somaliland. Riv. di Malariol. 40(1/3):9-34. Engl. Sum.

DAVID, J. H. S. 1960. Subsídios para o estudo da endemia palúdica no concelho do Chitato (Lunda-Angola). Inst. Med. Trop. An. (Lisbon) 17(1/2):257-281. Engl. Sum.

PATEL, T. B., RAMACHANDRA RAO, T. and AMB-WANI, G. J. 1961. An outbreak of malaria in parts of Thana District, Bombay State, India, after several years of successful control. Indian J. Malariol. 15(1):71-90.

PEÑA CHAVARRIA, A. and VAZQUEZ VIGO, M. 1961. Paludismo inducido. Bol. Ofic. Sanit. Panamer. 50(2):131-134. Engl. Sum.

RACHOU, R. G. 1961. Problemas relativos a la persistencia de la transmision de la malaria. Bol. Ofic. Sanit. Panamer. 51(1):1-25.

ROMÁN Y CARILLO, G., SUÁREZ TORRES, G. and CABRERA PALMA, N. DE J. 1961. Cincuenta años de lucha antipalúdica en Mexico. CNEP Bol. 5(1):119-48.

SHUTE, P. G. and MARYON, M. 1961. A note on the infectivity to mosquitoes of patients in the asymptomatic, symptomatic and post-symptomatic phases of parasitic relapses of induced infections with *Plasmodium vivax* (Madagascar strain). WHO Bul. 24(4/5):654-657.

UTTLEY, K. H. 1961. Epidemiology and mortality of malaria in Antigua, B. W. I., 1857-1956. Amer. J. Pub. Health 51(4):577-585.

VISWANATHAN, D. K. 1958. The conquest of malaria in India. 93 pp., Madras.

WORLD HEALTH ORGANIZATION. 1960. Malaria information. WHO Mal/Inform/63, 15 pp. [Includes registration of areas where malaria was eradicated, need for global reporting system on

status of malaria eradication, national malaria budget, small transport unit et al.]

———. 1961. Supplement to WHO/Mal/300, 16 pp. [Includes progress in Nat. Malaria Erad. Prog. in India, o'nyong-nyong fever, drugs for medicated salt projects, engineering staff in malaria eradication programs.]

See Swellengrebel and Sterman under Filariasis.

Malaria—Clinical Aspects

ALLISON, A. C. and CLYDE, D. F. 1961. Malaria in African children with deficient erythrocyte glucose-6-phosphate dehydrogenase. Brit. Med. J. 5236:1346-1349.

NEGHME, A. 1961. Transmisión accidental de la malaria por transfusión sanguínea. Bol. Chileno de Parasit. 16(2):44-48.

Malaria—Eradication

AMÉZQUITA, J. A. 1961. El programa de erradicación del paludismo en Mexico. CNEP Bol. 5(1):3-5.

COATNEY, G. R. 1961. Chemotherapy in malaria eradication. Calif. Mosquito Cont. Assoc. Proc. 29:51-53.

COUTINHO, J. DE O. 1960. Erradicação da malaria. Arq. de Hig. e Saúde Púb. 25(85):171-180.

FRITZ, R. F. 1961. Administrative problems in malaria eradication. Calif. Mosquito Cont. Assoc. Proc. 29:46-47.

———. 1961. Malaria eradication in Africa. Calif. Mosquito Cont. Assoc. Proc. 29:53-55.

———. 1961. The role of the United States in malaria eradication. Calif. Mosquito Cont. Assoc. Proc. 29:42-43.

GÖCKEL, C. W. 1961. Principles in reporting on surveillance operations. WHO/Mal/309, 5 pp.

KILADJIAN, Y. 1961. Malaria eradication. From the viewpoint of a practicing physician working in cooperation with the government. World Med. J. 8(2):103-105.

LYSENKO, A. 1961. Organization of case detection in some malaria eradication programmes in the Americas. WHO/Mal/301, 17 pp.

NAKATA, G. 1960. Participation in the Fourth International Training Class on the Techniques of Malaria Eradication. Sanit. Injurious Ins. 5(4):31-42. In Jap.

PROTHOR, R. M. 1961. Population movements and problems of malaria eradication in Africa. WHO Bul. 24(4/5):405-425.

RACHOU, R. 1961. Entomological research on malaria eradication. Calif. Mosquito Cont. Assoc. Proc. 29:43-46.

SALITERNIK, Z. 1960. Eradication of malaria—a global task. Harfuah (Tel-Aviv) 58(7):231-232.

TARTAGLIA, P. 1961. Die ausrötung der malaria in Dalmatien. Z. f. Tropenmed. u. Parasit. 12(1):16-27. Engl. Sum.

WILLIAMS, L. L. 1961. The global picture of

malaria eradication. Calif. Mosquito Cont. Assoc. Proc. 29:39-42.

WORLD HEALTH ORGANIZATION. 1960. Proposed regular programme and budget estimates for the financial year 1 January-31 December 1962 with proposed programmes and estimates of expenditure under other available sources of funds. WHO Off. Rec. 104, 504 pp. [Includes malaria operations pp. 345-398.]

———. 1960. The work of WHO 1960. Annual report of the Director-General to the World Health Assembly and to the United Nations. WHO Off. Rec. 105, 224 pp. [Includes data on malaria eradication.]

———. 1960. Thirteenth World Health Assembly, Geneva, 3-20 May 1960. Part II. Plenary meetings, verbatim records, committees, minutes and reports. WHO Off. Rec. 103, 428 pp. [Includes data on malaria eradication.]

———. 1961. Executive Board twenty-seventh session New Delhi, 30 January-2 February 1961. Resolutions. Annexes. WHO Off. Rec. 108, 44 pp. [Includes malaria eradication special account.]

———. 1961. Fourteenth World Health Assembly. New Delhi, 7-24 February 1961. Part I. Resolutions and decisions. Annexes. WHO Off. Rec. 110, 73 pp.

———. 1961. Malaria eradication in 1960. WHO Chron. 15(5/6):201-211.

Malaria—Plasmodia

BEER, G. 1961. The behaviour of *Plasmodium berghei* and *Plasmodium vinckei* in the spiny mouse *Acomys cahirinus*. Res. Council of Israel Bul. 9E(1):37-38.

BOWMAN, I. B. R., GRANT, P. T., KERMAK, W. O. and OGSTON, D. 1961. The metabolism of *Plasmodium berghei*, the malaria parasite of rodents. 2. An effect of mepacrine on the metabolism of glucose by the parasite separated from its host cell. Biochem. J. 78(3):472-478.

CORRADETTI, A. and VEROLINI, F. 1960. Decorso della reinfezione da *Plasmodium berghei* in ratti albi precedentemente infettati, guariti e splenectomizzati. Parasitologia (Rome) 2(1/2):99-103. Engl. Sum.

KNÜTTGEN, H. J. 1961. Die entwicklungsstadien der gametocyten des *Plasmodium falciparum* im Knochenmark nach anbehandlung mit resochin. Z. f. Tropenmed. u. Parasit. 12(1):9-15. Engl. Sum.

LAWRENCE, J. I. and BEARUP, A. J. 1961. A new host record for *Plasmodium relictum*: The silver gull (*Larus novaehollandia* Stephens). Indian J. Malariol. 15(1):11-19.

MORCOS, W. M. 1961. Observations morphologiques des divers stades de *Plasmodium vivax* et de *Plasmodium malariae* dans le sang conservé à froid pour transfusion. Riv. di Malariol. 40(1/3):41-50. Engl. Sum.

TIBURSKAYA, N. A. 1961. Features specific to the Moscow strain of *P. vivax*. Med. Parazit. i Parazit. Bolezni 30(4):446-454. In Rus., Engl. Sum. p. 507.

ZUCKERMAN, A. and SPIRA, D. 1961. Blood loss and replacement in plasmodial infections. V. Positive antiglobulin tests in rat anemias due to the rodent malarial *Plasmodium berghei* and *Plasmodium vinckei*, to cardiac bleeding, and to treatment with phenylhydrazine hydrochloride. J. Infect. Dis. 108(3):339-348.

Malaria—Simian

COATNEY, G. R. 1961. Malaria as a zoonosis. Calif. Mosquito Cont. Assoc. Proc. 29:48-51.

——— and COWORKERS. 1961. Transmission of the M strain of *Plasmodium cynomolgi* to man. Amer. J. Trop. Med. and Hyg. 10(5):673-678.

HOWARD, L. M. and CABRERA, B. D. 1961. Simian malaria in the Philippines. Science 134(3478):555-556.

REID, J. A. and WEITZ, B. 1961. Anopheline mosquitoes as vectors of animal malaria in Malaya. Ann. Trop. Med. and Parasitol. 55(2):180-186.

SCHMIDT, L. H., GREELAND, R. and GENTHER, C. S. 1961. The transmission of *Plasmodium cynomolgi* to man. Amer. J. Trop. Med. and Hyg. 10(5):679-688.

SCHNEIDER, J. 1961. *P. cynomolgi bastianelli*: hématozoïre du singe transmissible à l'homme. Essai d'impaludation thérapeutique. Soc. de Path. Exot. Bul. 54(1):7-11. Engl. Sum. [bastianelli.]

SHORTT, H. E., RAO, G., QADRI, S. S. and ABRAHAM, R. 1961. *Plasmodium osmaniae*, a malaria parasite of an Indian monkey (*Macaca radiata*). J. Trop. Med. and Hyg. (London) 64(6):140-143. [A suspected new species of *Plasmodium*.]

SINGH, N-N. and BASU, P. C. 1961. Adrenal insufficiency of the host in *P. knowlesi* malaria. Indian J. Malariol. 15(1):53-56.

WHARTON, R. H. and EYLES, D. E. 1961. *Anopheles hackeri*, a vector of *Plasmodium knowlesi* in Malaya. Science 134(3474):279-280.

Malaria-Therapeutics and Antimalarials

CHARLES, L. J. 1961. Field trials with chloroquine in the prophylaxis of malaria in Ghana. WHO Bul. 24(4/5):457-463.

FEDOROVA, S. P. 1961. On the activities of the Council for Coordination of Antimalarial Measures in countries of southeastern Asia (Burma, Cambodia, Laos, Malean Federation, Thailand and South Vietnam)—Compiled from World Health Organization information. Med. Parazit. i Parazit. Bolezni 30(4):496-497.

MONTENY, V. A. R. 1960. Comparaison de l'efficacité comme médicaments prophylactiques antimalariens de la chloroquine et de la pyriméthamine. Soc. Belge de Méd. Trop. Ann. 40(3):511-516.

PAULINI, E. and PEREIRA, J. P. 1961. Studies on medicated salt. Excretion of three chloroquine compounds. WHO/Mal/299, 9 pp.

RAFFAELE, G. and CARRESCIA, P. M. 1961. Efficacia di dosi uniche di antimalarici di sintesi azione della primachina. Riv. di Malariol. 40 (1/3):51-59. Engl. Sum.

REBELLO, D. J. A. 1961. Ocular reactions to antimalarial drugs. Arch. Dermatol. 83(5):785-789.

YOUNG, M. D. 1961. Amodiaquine and hydroxychloroquine resistance in *Plasmodium falciparum*. Amer. J. Trop. Med. and Hyg. 10(5):689-693.

Malaria—Vectors

RISHIKESH, N. 1961. *Anopheles dthali* Patton as a possible secondary vector of malaria in the northern region of the Somali Republic. WHO/Mal/308, 2 pp.

SHAMBAUGH, G. E., III. 1960. Medical and sanitary data on Taiwan. J. Formosan Med. Assoc. 59(9):775-826. [Includes vector mosquitoes.]

YELLOW FEVER

FABIYI, A. 1961. Yellow fever at Tema, Ghana, 1959: A serological survey by complement fixation. Ann. Trop. Med. and Parasitol. 55(2):235-241.

MEDVEDEVA, G. I. 1960. Comparative study of the immunological aspects of live yellow fever vaccines. Problems of Virology 5(4):476-481. [Translated from Russian]

VIRUSES

BEKLEMISHEV, V. N. 1961. On the epidemiology of arthropod-borne diseases of wild animals affecting man. Med. Parazit. i Parazit. Bolezni 30(4):387-393. In Rus., Engl. Sum., p. 504.

CASALS, J. 1961. Procedures for identification of arthropod-borne viruses. WHO Bul. 24(6):723-734. [Includes viruses carried by mosquitoes.]

CHENG, P.-Y. 1961. Purification, size, and morphology of a mosquito-borne animal virus, Semliki Forest virus. Virology 14(1):124-131.

———. 1961. Some physical properties of hemagglutinating and complement-fixing particles of Semliki Forest virus. Virology 14(1):132-140.

HEIDT, J. H. 1961. Notes and observations on *Culex nigripalpus*. Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:50-52. [Isolation of an unknown virus strain from a pool of *nigripalpus*.] Fla. Anti-Mosquito Assoc. Ann. Rpt. 32:50-52.

HITCHCOCK, G. and PORTERFIELD, J. S. 1961. The production of interferon in brains of mice infected with an arthropod-borne virus. Virology 13(3):363-365. [O'nyong-nyong virus.]

HURLBUT, H. S. and THOMAS, J. I. 1960. The experimental host range of the arthropod-

borne animal viruses in arthropods. Virology 12 (3):391-407. [Includes mosquitoes.]

KOKERNOT, R. H. and COWORKERS. 1960. Provas de neutralização com soros de indivíduos residentes em Moçambique contra determinados vírus isolados em África transmitidos por artrópodos. Ins. Med. Trop. An. (Lisbon) 17(1/2):201-230.

KOKERNOT, R. H., SMITHBURN, K. C., PATERSON, H. E. and DE MEILLON, B. 1960. Further isolations of Wesselsbron virus from mosquitoes. South Afr. Med. J. 34(41):871-874. [*Aedes caballus*, *Aedes* spp., *Mansonia uniformis* and *Culex univittatus*.]

MCINTOSH, B. M., WORTH, C. B. and KOKERNOT, R. H. 1961. Isolation of Semliki Forest virus from *Aedes (Aedimorphus) argenteopunctatus* (Theobald) collected in Portuguese East Africa. Roy. Soc. Trop. Med. and Hyg. Trans. 55(2):192-198.

PORTERFIELD, J. S. 1961. Cross-neutralization on studies with Group A arthropod-borne viruses. WHO Bul. 24(6):735-741. [Includes viruses carried by mosquitoes.]

SIMKOVÁ, A., DANIELOVÁ, V. and BÁRDOS, V. 1960. Experimental transmission of the Tahyna virus by *Aedes vexans* mosquitoes. Acta Virologica (Engl. Ed.) 4(6):341-347.

WILLIAMS, M. C. and WOODALL, J. P. 1961. O'nyong-nyong fever: An epidemic virus disease in East Africa. II. Isolation and some properties of the virus. Roy. Soc. Trop. Med. and Hyg. Trans. 55(2):135-141.

WORLD HEALTH ORGANIZATION. 1961. Arthropod-borne viruses. Report of a study group. WHO Tech. Rpt. Ser. 219, 68 pp.

ZULUETA, J. DE and COWORKERS. 1961. An observation on the possible effect of o'nyong-nyong fever on malaria. WHO/Mal/305, 12 pp. See also Encephalitis and Yellow Fever.

LITERATURE REFERENCES AND REVIEWS

DUKHANINA, N. N. 1961. Soviet literature on problems of medical parasitology and parasitic diseases published in 1961. Med. Parazit. i Parazit. Bolezni 30(4):480-492. In Rus. [Includes malaria, mosquito, insecticide and repellent refs.]

MICKS, D. W. 1961. Summary of significant research developments during 1960 which have contributed to the ecology and control of mosquitoes and related forms. Calif. Mosquito Assoc. Proc. 29:114-123.

SOLLERS, H. 1961. References to literature of interest to mosquito workers and malariologists. Mosquito News 21(3):280-287.

BIOGRAPHY AND HISTORY

ASCHER, K. R. S. and LEVINSON, Z. H. 1961. Prof. G. G. Mer, O. B. E., M. D., D. T. M. and H. Indian J. Malariol. 15(1):91-92.

MANSON-BAHR, P. 1961. Patrick Manson as a parasitologist. "A critical review." Internat. Rev. Trop. Med. 1:77-129.

SIVALINGAM, V. 1960. The natural history of malaria in Ceylon. Ceylon Med. J. n. s. 5(3):83-105.

SUBJECTS NOT COVERED BY OTHER HEADINGS

CALIFORNIA MOSQUITO CONTROL ASSOCIATION. 1961. Year book. 42 pp.

CAMPOS, E. G., TREVINO, H. A. and STROM, L. G. 1961. The dispersal of mosquitoes by railroad trains involved in international traffic. Mosquito News 21(3):190-192.

CHAO, J. and WISTREICH, G. A. 1960. Microorganisms from the mid-gut of larval and adult *Culex quinquefasciatus* Say. J. Insect Path. 2(3):220-224.

FERGUSON, M. J. and MICKS, D. W. 1961. Microorganisms associated with mosquitoes: 1. Bacteria isolated from the mid-gut of adult *Culex fatigans* Wiedemann. J. Insect Path. 3(2):112-119.

HIRST, J. M. 1961. Symposium—relationship of mosquito control to public well-being. Calif. Mosquito Cont. Assoc. Proc. 29:75-79.

INSTITUT PASTEUR DU VIÊT-NAM. 1961. Rapport annuel sur le fonctionnement technique. Année 1960. 222 pp., Saigon. [Includes malaria and insecticides.]

LAIRD, M. 1960. Malayan Protozoa. 4. *Epistylis caldwelli* n. sp. (Ciliata: Peritricha), from freshwater neuston. J. Protozool. 7(4):303-306. [Recorded from mosquito larvae.]

———. 1961. A lack of avian and mammalian *Haematozoa* in the Antarctic and Canadian Arctic. Canad. J. Zool. 39(2):209-213. [Includes mosquitoes.]

MACDONALD, G. 1961. Epidemiologic models in studies of vector-borne diseases. U. S. Pub. Health Rpts. 76(9):753-764.

MCLAIN, R. R. 1961. Mosquito control and agriculture. Calif. Mosquito Cont. Assoc. Proc. 29:79-82.

MICKS, D. W., JULIAN, S. R., JR., FERGUSON, M. J. and DUNCAN, D. 1961. Microorganisms associated with mosquitoes: 2. Location and morphology of microorganisms in the mid-gut of *Culex fatigans* Wiedemann and certain other species. J. Insect Path. 3(2):120-128.

PLAPP, F. W., JR., and BIGLEY, W. S. 1961. Carbamate insecticides and ali-esterase activity in insects. J. Econ. Ent. 54(4):793-796. [Includes *Culex tarsalis*.]

U. S. PUBLIC HEALTH SERVICE. CDC. 1960. Report of activities, 1960. 62 pp. [Includes mosquitoes and mosquito-borne diseases.]

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