

## LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES

HELEN SOLLERS-RIEDEL<sup>1</sup>

Plant Pest Control Division, Agricultural Research Service, United States Department of Agriculture

### ADULTICIDES AND LARVICIDES

AKESSON, N. B., BURGOYNE, W. E., MULHERN, T. D. and PHILLIPS, K. L. 1966. A low volume spray system for small aircraft used in mosquito control. Calif. Vector Views 13(8):63-66.

BROOKS, G. D., SMITH, E. A. and SCHOOF, H. F. 1967. Residual effectiveness of eleven insecticides under weathering conditions against *Aedes aegypti*. Mosquito News 27(1):93-100.

GARNHAM, P. C. C. 1967. Importance of pesticides in preventive medicine. Roy. Soc. Proc. Ser. B. (London) 167(1007):134-140. [Mosquitoes included.]

GRAS, G. and RIoux, J. A. 1965. Relation entre la structure chimique et l'activité insecticide des composés organiques de l'étain (essai sur les larves de *Culex pipiens pipiens* L.). Inst. Pasteur Tunis Arch. 42(1):9-22.

HADAWAY, A. B. and BARLOW, F. 1966. The toxicity to adult mosquitoes and the residual properties of some N-acyl-N-methyl-carbamates. WHO Bul. 35(3):454-458.

HAGMANN, L. E. 1966. Limited field tests on the use of Abate for the control of *Culex pipiens* L. N. J. Mosquito Extermin. Assoc. Proc. 53:173-175.

JAKOB, W. L. and SCHOOF, H. F. 1966. Evaluation of insecticides as residues on five surfaces against *Anopheles quadrimaculatus*. Amer. J. Trop. Med. and Hyg. 15(6):994-996.

LOFGREN, C. S., SCANLON, J. E. and ISRANGURA, V. 1967. Evaluation of insecticides against *Aedes aegypti* (L.) and *Culex pipiens quinquefasciatus* Say (Diptera:Culicidae) in Bangkok, Thailand. Mosquito News 27(1):16-21.

MOORE, J. B. and BREELAND, S. G. 1967. Field evaluation of two mosquito larvicides, Abate and Dursban, against *Anopheles quadrimaculatus* and associated *Culex* species. Mosquito News 27(1):105-111.

MOUNT, G. A., LOFGREN, C. S. and GAHAN, J. B. 1966. Nonthermal aerosols of new insecticides for the control of *Aedes taeniorhynchus* (Wiedemann). N. J. Mosquito Extermin. Assoc. Proc. 53:131-134.

NATIONAL COMMUNICABLE DISEASE CENTER. 1967. 1967 report on public health pesticides. Pest Control 35(3):13-40. Passim. [Includes mosquitoes.]

SCHOBER, H. 1967. A study of the use of Abate in mosquito control in Suffolk County,

Long Island, N. Y., in 1965. Mosquito News 27(1):100-105.

STEELMAN, C. D., GASSIE, J. M. and CRAVEN, B. R. 1967. Laboratory and field studies on mosquito control in waste disposal lagoons in Louisiana. Mosquito News 27(1):57-59.

STEVENS, L. 1966. Ultra-low-volume spraying for spot treatment of mosquito larvae breeding areas. Ent. Soc. Amer. No. Cent. Br. Proc. 21:77-78.

TAYLOR, R. T., SCHOOF, H. F. and MATHIS, W. 1967. Residual-insecticide field trials in Haiti. Amer. J. Trop. Med. and Hyg. 16(2):216-221.

VINOGRADSKAYA, O. N. 1967. Trials of insecticides in preimaginal stages and imago mosquitoes of the genus *Aedes*. Med. Parazit. i Parazit. Bolezni 36(1):54-60. In Rus., Engl. Sum. [Pupal stages included.]

### VARIOUS TYPES OF CONTROL

CONANT, V. 1966. The conversion of the North Arlington meadow salt marsh from a dike-enclosed meadow to an open meadow. N. J. Mosquito Extermin. Assoc. Proc. 53:114-117.

DORER, R. E. 1966. Are small mosquito control operations effective? N. J. Mosquito Extermin. Assoc. Proc. 53:90-91.

FERRIGNO, F. and JOBBINS, D. M. 1966. A summary of nine years of applied mosquito-wildlife research on Cumberland County, N. J., salt marshes. N. J. Mosquito Extermin. Assoc. Proc. 53:97-112.

KINSEY, L. 1966. The elimination of 10,000 mosquito breeding places in Nassau County. N. J. Mosquito Extermin. Assoc. Proc. 53:112-113.

KULANIN, V. L. 1967. Spread of *Salvinia natans* L. All. in water reservoirs for control of mosquito larvae in the Kara-Kalpak ASSR. Med. Parazit. i Parazit. Bolezni 36(1):112-113. In Rus., Engl. Sum.

MACNAMARA, L. G. 1966. The Department's views on Green Acres and other state-owned lands in relation to mosquito control. N. J. Mosquito Extermin. Assoc. Proc. 53:55-58.

MASON, J. S. 1966. The effects of progress on the marshlands of Atlantic County. N. J. Mosquito Extermin. Assoc. Proc. 53:76-83.

QURAISHI, M. S. and THORSTEINSON, A. J. 1967. Toxicity of alkanes and alkenes to preimaginal stages of the yellow-fever mosquito. J. Econ. Ent. 60(1):84-88.

<sup>1</sup> Complete mailing address: P.O. Box 19009, Washington, D.C. 20036, U.S.A.

## STERILIZATION METHODS

ABDEL-MALEK, A. A., TANTAWY, A. O. and WAKID, A. M. 1967. Studies on the eradication of *Anopheles pharoensis* by the sterile-male technique using Cobalt-60. III. Determination of the sterile dose and its biological effects on different characters related to "fitness" components. *J. Econ. Ent.* 60(1):20-23.

AKOV, S. 1966. Retention of the blood-meal in *Aedes aegypti* following sterilization by chemicals and irradiation. *Ann. Trop. Med. and Parasitol.* 60(4):482-494.

GEORGE, J. A. 1967. Effect of mating sequence on egg-hatch from female *Aedes aegypti* (L.) mated with irradiated and normal males. *Mosquito News* 27(1):82-86.

MCCRAY, E. M., JR. and SCHOOF, H. F. 1967. Mist application of chemosterilants to adult male *Culex pipiens quinquefasciatus*. *J. Econ. Ent.* 60(1):60-63.

TANTAWY, A. O., ABDEL-MALEK, A. A. and WAKID, A. M. 1967. Studies on the eradication of *Anopheles pharoensis* by the sterile-male technique using Cobalt-60. IV. Mating behavior and its frequency in the sterilized mosquitoes. *J. Econ. Ent.* 60(1):23-26.

## AEDES AEGYPTI ERADICATION

TORRIS MUÑOZ, A. 1966. La fiebre amarilla en México. Erradicación del *Aedes aegypti*. *Salud Pública de México* 8(4):561-570.

## MOSQUITO CONTROL AGENCY PROBLEMS

BALLARD, G. R. 1966. A freeholder looks at county drainage problems. *N. J. Mosquito Extermin. Assoc. Proc.* 53:91-93.

BAST, T. F. and WILSON, R. J. 1966. Water quality and associated mosquito problems in Passaic County. *N. J. Mosquito Extermin. Assoc. Proc.* 53:127-130.

BEEM, D. G. 1967. How metro Detroit solved its mosquito control problem. *Pest Control* 35(2):39-40, 42, 44.

CABRAL DE MELLO, P. G. 1967. Aspects of Rio de Janeiro's new mosquito control services. *Mosquito News* 27(1):27-31.

DESPLAINES VALLEY MOSQUITO ABATEMENT DISTRICT (Lyons, Illinois). 1967. Thirty-ninth annual report. 13 pp.

GRAHAM, J. E. 1967. How S. Salt Lake County gets source reduction through water management and land improvement. *Pest Control* 35(4):36, 38, 40, 42, 44.

LAVENBERG, J. E. 1966. The new conservation movement—an opportunity for improving mosquito control public relations programs. *N. J. Mosquito Extermin. Assoc. Proc.* 53:86-89.

LESLIE, J. B. 1966. Report of the State Mosquito Control Commission. *N. J. Mosquito Extermin. Assoc. Proc.* 53:93-96.

MEADOW, R. 1966. The Camden County

mosquito extermination commission makes a start. *N. J. Mosquito Extermin. Assoc. Proc.* 53:83-86.

SPENCE, S. F. 1966. Should mosquito commissions become more safety-conscious? *N. J. Mosquito Extermin. Assoc. Proc.* 53:138-139.

TOLEDO AREA SANITARY DISTRICT. 1967. Twentieth annual report of the Toledo Area Sanitary District 1966. 7 pp., Ohio.

VANNOTE, R. L. 1966. Morris County's experience with state agencies on drainage problems. *N. J. Mosquito Extermin. Assoc. Proc.* 53:146-148.

## PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

BAILEY, D. L., BARNES, W. W. and DEWEY, R. W. 1967. *Stempellia magna* (Kudo) (Nosematidae:Microsporidia) in *Culex restuans* Theobald from Virginia. *Mosquito News* 27(1):111-114.

BEAM, F. D. 1966. Mortality of *Aedes sollicitans* Walker due to a high microfilaremia of dog heartworm, *Dirofilaria immitis* Leidy. *N. J. Mosquito Extermin. Assoc. Proc.* 53:117-126.

CLARK, T. B., KELLEN, W. R., LINDEGREN, J. E. and SANDERS, R. D. 1966. *Pythium* sp. (Phycomycetes:Pythiales) pathogenic to mosquito larvae. *J. Invertebrate Path.* 8(3):351-354. [*Aedes sierrensis*.]

FERGUSON, D. E. and BINGHAM, C. R. 1966. The effects of combinations of insecticides on susceptible and resistant mosquito fish. *Bul. Environnl. Contam. Tox.* 1(3):97-103. [*Gambusia affinis*.]

FERGUSON, D. E., LUDKE, J. L. and MURPHY, G. G. 1966. Dynamics of endrin uptake and release by resistant and susceptible strains of mosquito fish. *Amer. Fish. Soc. Trans.* 95(4):335-344.

HEIMPEL, A. M. 1967. A critical review of *Bacillus thuringiensis* var. *thuringiensis* Berliner and other crystalliferous bacteria. *Ann. Rev. Ent.* 12:287-322. [Mosquitoes included.]

KELLEN, W. R., CHAPMAN, H. C., CLARK, T. B. and LINDEGREN, J. E. 1966. Transovarian transmission of some *Thelohania* (Nosematidae: Microsporidia) in mosquitoes of California and Louisiana. *J. Invertebrate Path.* 8(3):355-359.

KELLEN, W. R., CLARK, T. B., LINDEGREN, J. E. and SANDERS, R. D. 1966. A cytoplasmic-polyhedrosis virus of *Culex tarsalis* (Diptera: Culicidae). *J. Invertebrate Path.* 8(3):390-394.

LUCZAK, J. and DABROWSKA-PROT, E. 1966. Experimental studies on the reduction of the abundance of mosquitoes by spiders. I. Intensity of spider predation on mosquitoes. *Acad. Pol. Sci. Ser. Sci. Biol. Bul.* 14(5):315-320.

RAMALINGAM, S. 1966. *Coelomomyces* infections in mosquito larvae in the South Pacific. *Med. J. Malaya* 20(4):334.

SHAIKH, M. U. and MORRISON, F. O. 1966. Susceptibility of nine insect species to infection by *Bacillus thuringiensis* var. *thuringiensis*. *J. Invertebrate Path.* 8(3):347-350. [Includes *Aedes*.]

YANAGISHI, H. and COWORKERS. 1966. Ecological studies on guppy, *Lebiasina reticulatus* Peters. I. Acclimatized guppy in the waters of hot springs in Japan. Jap. J. Sanit. Zool. 17(1): 48-58. In Jap., Engl. Sum. [Possible predator of *Culex tritaeniorhynchus*.]

#### ATTRACTANTS AND REPELLENTS

CARESTIA, R. R. and SAVAGE, L. B. 1967. Effectiveness of carbon dioxide as a mosquito attractant in the CDC miniature light trap. Mosquito News 27(1):90-92.

DREMOMA, V. P. 1967. Efficiency of some repellents for protection of oil-industry workers from attacks of blood-sucking Diptera in the Tyumen region. Med. Parazit. i Parazit. Bolezni 36(1):60-66. In Rus., Engl. Sum. [*Aedes* included.]

IKESHOJI, T. 1966. Studies on ovipositional attractants and stimulants of *Culex pipiens fatigans* and *pallens*. Jap. J. Expt. Med. 36(2):11P.

JOHNSON, H. L., SKINNER, W. A., MAIBACH, H. I. and PEARSON, T. R. 1967. Repellent activity and physical properties of ring-substituted *N, N*-diethylbenzamides. J. Econ. Ent. 60(1): 173-176.

MAIBACH, H. I., KHAN, A. A., STRAUSS, W. G. and PEARSON, T. R. 1966. Attraction of anhidrotic subjects to mosquitoes. Arch. Dermatol. 94(2):215-217.

#### RESISTANCE AND SUSCEPTIBILITY

ASHRAFI, S. H., MUZAFFAR, S. A. and QADRI, M. A. H. 1966. Conversion of DDT into DDE by the larvae of *Aedes aegypti* (L.) strain PCSIR. Diptera—Culicidae. Pakistan J. Sci. and Indus. Res. 9(3):247-250.

CHAUVET, G. and DAVIDSON, G. 1966. Présence à Madagascar de la résistance à la dieldrine chez la forme B du complexe *Anopheles gambiae* Giles. Entomologie Médicale Cah. 4(7): 3-12. Also in WHO/Mal/66.581, WHO/Vector Cont./66.224, 14 pp.

DUPORT, M. and COWORKERS. 1966. Sensibilité aux insecticides organo-phosphorés des anophèles vecteurs dans différentes localités de la Roumanie. Arch. Roum. Path. Expt. et Microbiol. 25(1):211-216.

JOHNSEN, R. E. 1967. Preliminary studies of mosquito resistance to insecticides in the Philippines. Mosquito News 27(1):22-26.

LACHMAJER, J. 1966. Susceptibility to DDT of larvae of the genus *Anopheles* originating from several points of the coastal area, (1961-1965). Inst. Marine Med. Gdańsk Bul. 17(1/2):35-42. In Pol., Engl. Sum.

MARTÍNEZ-PALACIOS, A. and DAVIDSON, G. 1967. The mode of inheritance of dieldrin-resistance in *Anopheles* (*A.*) *pseudopunctipennis* and the crossing of populations of this species—from various

parts of Mexico. Mosquito News 27(1):55-56.

SUTHERLAND, D. J. and BAST, T. F. 1966. Adult resistance studies in New Jersey, 1961-1965. N. J. Mosquito Extermin. Assoc. Proc. 53:227-230.

SUTHERLAND, D. J. and HAGMANN, L. E. 1966. Larval resistance studies in New Jersey, 1961-1965. N. J. Mosquito Extermin. Assoc. Proc. 53:222-227.

TEODORESCU, C. and GHEORGIU, T. 1966. Recherches sur la sensibilité des *Anopheles* de Moldavie au DDT, à la dieldrine, au malathion et au fenthion. WHO/Mal/66.584, WHO/Vector Cont./66.225, 8 pp. Engl. Sum.

THOMAS, V. 1966. Selection of larvae of a laboratory colony of *Culex pipiens fatigans* Wiedemann for DDT-resistance. Med. J. Malaya 20(3): 221-229.

See also Georghiou et al in Genetics Section.

#### INSECTICIDES AND CHEMICALS

BAR-ZEEV, M., BRACHA, P. and SELF, L. S. 1966. The effect of "soot" on the residual toxicity of Bayer 39007 on mud surfaces of southern Nigerian huts. Riv. di Parassitol. 27(1): 33-38.

HIRAKOSO, S. and UCHIDA, M. 1966. Inactivation of some insecticides by microorganisms isolated from mosquito larval breeding water. Jap. J. Sanit. Zool. 17(3):196-200. In Jap., Engl. Sum.

HOPKINS, L. O. and MACIVER, D. R. 1965. Tropical—a new synergist for pyrethrins. Pyrethrum Post 8(2):3-5.

METCALF, R. L. 1967. Mode of action of insecticide synergists. Ann. Rev. Ent. 12:229-256. [Includes mosquitoes.]

PEST CONTROL. 1967. Pest Control's 1967 directory of pesticides. Pest Control 35(3):84-98. Passim.

UNITED STATES DEPARTMENT OF AGRICULTURE. 1967. Safe use of agricultural and household pesticides. U. S. Dept. Agr. Handbk. 321, 65 pp.

#### TOXICOLOGY

ARNAN, A., MOHAMMADIHA, H. and MOTABAR, M. 1966. Observations of human toxicity during a field trial with fenthion (organophosphorus insecticide). WHO/Vector Cont./66.218 Corr. 1, 3 pp.

DYKSTRA, W. W. 1966. Fish—wildlife—pesticides. N. J. Mosquito Extermin. Assoc. Proc. 53:151-155.

HAYES, W. J., JR. 1967. Toxicity of pesticides to man: risks from present levels. Roy. Soc. Proc. Ser. B. (London) 167(1007):101-127.

KRINER, R. R. 1966. Mosquitoes—pesticides—people. N. J. Mosquito Extermin. Assoc. Proc. 53:134-137.

MOORE, N. W. 1967. Effects of pesticides on wildlife. Roy. Soc. Proc. Ser. B. (London) 167(1007):128-133.

- NEWSOM, L. D. 1967. Consequences of insecticide use on nontarget organisms. Ann. Rev. Ent. 12:257-286. [Includes mosquitoes.]
- SHERMAN, S. and HERRICK, R. B. 1966. Acute and subacute toxicity of apholate to the chick and Japanese quail. Toxicol. and Appl. Pharmacol. 9(2):279-292.
- WINTERINGHAM, F. P. W. 1966. Blood cholinesterase inhibition as an index of exposure to insecticidal carbamates. WHO Bul. 35(3): 452-453.
- WORLD HEALTH ORGANIZATION. 1966. Bibliography on pesticide toxicity and accidental poisoning. WHO/Vector Cont./66.226, 19 pp.
- BEHAVIOR, BIOLOGY AND ECOLOGY**
- ABDUL-HAB, J. 1967. Larvae of culicine mosquitos in north Iraq (Diptera, Culicidae). Bul. Ent. Res. 57(2):279-284.
- ANDERSEN, D. M., COLLETT, G. C. and WINGET, R. N. 1967. Preliminary host preference studies of *Culex tarsalis* Coquillett and *Culiseta inornata* (Williston) in Utah. Mosquito News 27(1):12-15.
- ANUFRIEVA, V. N. and TAGILSEV, A. A. 1967. Sources of food for blood-sucking mosquitoes in a focus of arbovirus infections in the south-eastern area of the Zaisan Lake coast and the Black Irtysh Delta (East Kazakhstan region of the Kazakh SSR.) Med. Parazit. i Parazit. Bolezni 36(1):22-32. In Rus., Engl. Sum.
- BELTON, P. 1967. The effect of illumination and pool brightness on oviposition by *Culex restuans* (Theo.) in the field. Mosquito News 27(1):66-68.
- BRUCE-CHWATT, L. J., GARRETT-JONES, C. and WEITZ, B. 1966. Ten years' study (1955-1964) of host selection by anopheline mosquitos. WHO Bul. 35(3):405-439.
- CHEONG, W. H. 1965. Laboratory observations on comparative feeding preferences by *Aedes scutellaris malayensis* from Kuantan and Singapore. Med. J. Malaya 20(1):73.
- . 1966. A note on the preferred *A. aegypti* breeding habitats in urban areas of Malaysia. Med. J. Malaya 20(4):329-331.
- DASHKINA, N. G. 1967. Some features of ecology of *Aedes geniculatus* Oliv. Med. Parazit. i Parazit. Bolezni 36(1):106-108. In Rus., Engl. Sum.
- DE MEILLON, B., SEBASTIAN, A. and KAHN, Z. H. 1966. Positive geotaxis in gravid *Culex pipiens fatigans*. WHO Bul. 35(5):808-809.
- EL-DINE, K. Z. 1966. Preliminary studies on autogeny in *Culex pipiens* complex. Egypt. Pub. Health Assoc. J. 41(2):115-126.
- GILLETT, J. D. 1967. Natural selection and feeding speed in a blood-sucking insect. Roy. Soc. Proc. Ser. B. (London) 167(1008):316-329.
- GRATZ, N. G. 1967. Review of current research on the bionomics of *Culex pipiens fatigans* in relation to its control. WHO/Fil/67.69, WHO/VBC/67.1. 13 pp.
- GUNSTREAM, S. E. and CHEW, R. M. 1967. The ecology of *Psorophora confinis* (Diptera: Culicidae) in southern California. II. Temperature and development. Ent. Soc. Amer. Ann. 60(2):434-439.
- HAJKOVA, Z. 1966. A study on gonotrophic cycles of the mosquito *Aedes vexans* Meig. in South Moravia. Folia Parasitol. (Praha) 13(4): 361-370.
- HARWOOD, R. F. 1966. The relationship between photoperiod and autogeny in *Culex tarsalis* (Diptera, Culicidae). Ent. Expt. et Applicata 9(3):327-331.
- HAUFE, W. O. 1966. Synoptic correlation of weather with mosquito activity. Biometeorology II. pp. 523-540.
- HICKEY, W. A. and CRAIG, G. B., JR. 1966. Distortion of sex ratio in populations of *Aedes aegypti*. Canad. J. Genet. and Cytol. 8(2):260-278.
- HOPLA, C. E. 1965. The feeding habits of Alaskan mosquitoes. Brooklyn Ent. Soc. Bul. (n.s.) 59(6):88-127.
- KATO, M., YOSHIDA, S. and ISHII, T. 1966. Seasonal abundance of mosquitoes collected by animal baited traps in Miyagi Prefecture, Japan. Jap. J. Sanit. Zool. 17(3):173-179. In Engl.
- LAKE, R. W. 1966. Field studies on the rate of larval development of *Aedes sollicitans* (Walker). N. J. Mosquito Extermin. Assoc. Proc. 53: 216-221.
- LARSON, L. V. 1966. The association of *Vorticella* and *Epistylis* (Protozoa:Ciliata) with mosquito larvae. Ent. Soc. Amer. No. Cent. Br. Proc. 21:73-76.
- MACDONALD, W. W., SHEPPARD, P. M. and TONN, R. L. 1967. Short-range movements of *Aedes aegypti* in Bangkok. Roy. Soc. Trop. Med. and Hyg. Trans. 61(1):21.
- MURPHEY, F. J. and BURBUTIS, P. P. 1967. Straw infusion attractiveness to gravid female *Culex salinarius*. J. Econ. Ent. 60(1):156-161.
- NAKAMURA, Y. 1966. The influence of food availability in the larval stage on the development and autogeny of *Culex pipiens molestus*. Jap. J. Sanit. Zool. 17(1):43-47. In Jap., Engl. Sum.
- NICOLI, R. M. and COWORKERS. 1966. Contribution à l'étude du peuplement de la Corse. Classification des gîtes culicidiens larvaires en Corse [Dipt.]. Soc. Ent. France Bul. 71(1/2): 14-17.
- NIELSEN, E. T. and NIELSEN, H. T. 1966. Observations on mosquitoes in Greenland. Meddelelser Grønland 170(3):1-26.
- PILLAI, J. S. 1965. Notes on mosquitoes of New Zealand. I. *Maorigoeldia argyropus* Walker (Diptera, Culicidae, Sabethini). New Zeal. Ent. 3(4):25-35.
- PLOTNIKOVA, A. S., KUPRIYANOVA, E. S., POTAPOV, A. A. and VLADIMIROVA, V. V. 1967. Study of gnats and measures for protection from them in the area of diamond fields and construction of Vilyui Hydropower Station in the Yakut ASSR. Med. Parazit. i Parazit. Bolezni 36(1):

- 3-10. In Rus., Engl. Sum. [Mosquitoes included.]
- RAMSDALE, C. D. and LEPORT, G. H. 1966. Studies of the *Anopheles gambiae* complex in West Africa. I. Assortative mating in a mixed population of the *Anopheles gambiae* complex. WHO/Mal/66.585, WHO/Vector Cont./66.227. 19 pp.
- RIOUX, J. A., JUMINER, B., KCHOUK, M. and CROSET, H. 1965. Présence du caractère autogène chez *Culex pipiens pipiens* L. dans un biotope épigé de l'île de Djerba. Inst. Pasteur Tunis Arch. 42(1):1-8.
- SAITO, K. and HAYASHI, S. 1966. Studies on the age of mosquitos. VII. A survey on the composition of a population of *Culex pipiens molestus* in a well closed habitat. Jap. J. Sanit. Zool. 17(3):180-183. In Jap., Engl. Sum.
- SCHOBER, H. and COLLINS, D. L. 1966. Mosquito research in Suffolk County, Long Island, N. Y. N. J. Mosquito Extermin. Assoc. Proc. 53:203-215.
- TAKENOKUMA, K. 1966. Ecological study on *Aedes albopictus* in Amami-Oshima. Jap. J. Sanit. Zool. 17(2):108-112. In Jap., Engl. Sum.
- TEMPELIS, C. H., FRANCY, D. B., HAYES, R. O. and LOFY, M. F. 1967. Variations in feeding patterns of seven culicine mosquitoes on vertebrate hosts in Weld and Larimer Counties, Colorado. Amer. J. Trop. Med. and Hyg. 16(1):111-119.
- UMINO, T. 1966. Some genetical studies on *Culex pipiens* complex, part IV. Observations on the mating habit of autogenous and anautogenous colonies by application of genetic markers. Jap. J. Sanit. Zool. 17(1):37-42. In Jap., Engl. Sum.
- VICTOROV, V. F. 1967. The influence of hydrologic conditions of Volograd water reservoir upon breeding of blood-sucking mosquitoes in the floodlands of the Volga. Med. Parazit. i Parazit. Bolezni 36(1):17-22. In Rus., Engl. Sum.
- WALLIS, R. C. and FREMPONG-BOADU, J. 1967. Colonization of *Wyeomyia smithii* (Coquillett) from Connecticut. Mosquito News 27(1):9-11.
- YAMAGUTI, N. 1966. Comparative studies on *Culex pipiens* group of Japan. 3. Some observations on follicular development, oviposition and mating activities in autogenous form of *Culex pipiens* in Japan. Jap. J. Sanit. Zool. 17(2):98-107. In Jap., Engl. Sum.
- YOELI, M. and BONÉ, G. 1967. Studies on *Anopheles dureni* Edwards. WHO/Mal/67.592, 12 pp. Fr. Sum.
- See also Dobrotworsky in Taxonomy Section.
- GENETICS**
- BAKER, R. H., KITZMILLER, J. B. and CHOWDAIAH, B. N. 1966. The salivary gland chromosomes of *Anopheles hercules*. Chromosoma (Berlin) 19(1):126-136.
- COKER, W. J. and COWORKERS. 1966. Standardized strains of insects of public health importance. WHO Bul. 34(3):437-460. [Includes *Aedes aegypti*, *Culex pipiens*, *Anopheles* spp.]
- GEORGIU, G. P., GIDDEN, F. E. and CAMERON, J. W. 1967. A stripe character in *Anopheles albimanus* (Diptera:Culicidae) and its linkage relationships to sex and dieldrin resistance. Ent. Soc. Amer. Ann. 60(2):323-328.
- UMINO, T. and SUZUKI, T. 1966. Some genetical studies on *Culex pipiens* complex (V). Studies on the mode of inheritance of malathion-resistance in larvae of *Culex pipiens fatigans*. Jap. J. Sanit. Zool. 17(3):191-195. In Jap., Engl. Sum.
- VANDEHEY, R. C. 1967. Inheritance of pigmented larval head capsules in *Culex pipiens*. Mosquito News 27(1):69-73.
- ANATOMY, MORPHOLOGY AND PHYSIOLOGY**
- BRUST, R. A. 1966. Gynandromorphs and intersexes in mosquitoes (Diptera:Culicidae). Canad. J. Zool. 44(5):911-921.
- CHELLAPPAH, W. T. 1965. A gynandromorph of *Aedes* (F.) *togo* (Theobald). West Indian Med. J. 20(2):170.
- DAYKIN, P. N. 1967. Orientation of *Aedes aegypti* in vertical air currents. Canad. Ent. 99(3):303-308.
- GOODING, R. H. 1966. *In vitro* properties of proteinases in the midgut of adult *Aedes aegypti* L. and *Culex fatigans* (Wiedemann). Compar. Biochem. and Physiol. 17(1):115-127.
- LANG, C. A. and MEINS, F., JR. 1966. A soluble deoxyribonucleic acid in the mosquito *Aedes aegypti*. Nat. Acad. Sci. Proc. 55(6):1525-1531.
- LEA, A. O. 1967. The medial neurosecretory cells and egg maturation in mosquitoes. J. Insect Physiol. 13(3):419-429.
- O'BRIEN, J. F. 1966. Origin and structural functions of the basal cells of the larval midgut in the mosquito, *Aedes aegypti* Linnaeus. N. Y. Ent. Soc. J. 74(1):59-63.
- SALAMA, H. S. 1967. Nutritive values and taste sensitivity to carbohydrates for mosquitoes. Mosquito News 27(1):32-35.
- TREHERNE, J. E. 1967. Gut absorption. Ann. Rev. Ent. 12:43-58. [Includes mosquitoes.]
- VAN HANDEL, E. 1966. The thermal dependence of the rates of glycogen and triglyceride synthesis in the mosquito. J. Expt. Biol. 44(3):523-528. [*Aedes sollicitans*.]
- VON GERNET, G. and BUERGER, G. 1966. Labral and cibarial sense organs of some mosquitoes. Quaestiones Ent. 2(4):259-270.
- TECHNIQUES**
- BEHIN, R. 1967. Artificial feeding apparatus for mosquitoes. Mosquito News 27(1):87-90.
- BREELAND, S. G. and GLASGOW, J. W. 1967. An improved portable resting station for *Anopheles quadrimaculatus* Say. Mosquito News 27(1):5-9.

- BRUST, R. A. and KALPAGE, K. S. 1967. A rearing method for *Aedes abserratus* (F. and Y.). *Mosquito News* 27(1):117.
- CLARK, T. B. 1966. A method for the inoculation of mosquito larvae. *J. Invertebrate Path.* 8(3):425-426.
- CRANS, W. J. and LOMAX, J. L. 1966. A résumé of some useful avian collecting and breeding techniques. *N. J. Mosquito Extermin. Assoc. Proc.* 53:182-190.
- HAZARD, E. I. 1967. Modification of the ice water method for harvesting *Anopheles* and *Culex* pupae. *Mosquito News* 27(1):115-116.
- JONES, J. C. 1967. Methods for dissecting mosquitoes. *Mosquito News* 27(1):76-82.
- KATO, M., ISHII, T., WATANABE, T. and YOSHIDA, S. 1966. A new dry ice baited trap for collecting mosquitoes. *Jap. J. Sanit. Zool.* 17(2):83-88. In Engl.
- OGUNBA, E. O. 1967. Artificial feeding of mosquitoes. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):20.
- POLESHCHUK, V. D. 1967. A rearing cage for a large number of flies. *Med. Parazit.* i *Parazit. Bolezni* 36(1):113-114. Illus. In Rus.
- Powell, J. A., Esch, H. and CRAIG, G. B. 1966. Electronic recording of mosquito activity. *Ent. et Applicata* 9(3):385-394.
- TRIGG, P. I. 1967. *In vitro* cultivation of malaria parasites. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):1.
- VOLLER, A., BIRD, R. G. and BAKER, J. R. 1967. Electron microscopy of *P. falciparum* gametocytes: preliminary observations. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):1-2.
- WOOD, D. E. and SUITOR, E. C., Jr. 1966. *In vitro* development of microfilariae of *Macacanema formosana* in mosquito cell cultures. *Nature* (London) 211(5051):868-870.
- See also Wallis et al. in Behavior, Biology and Ecology Section.
- ### TAXONOMY
- BAILLY-CHOUWARA, H. 1966. *Culex* (*Culex*) *garneti* (Diptera, Culicidae) moustique nouveau du Cameroun. Description du male. *Soc. de Path. Exot. Bul.* 59(1):148-150. [n. sp.]
- and RICKENBACH, A. 1966. Contribution à l'étude des *Culex* (Diptera, Culicidae) de la région éthiopienne. Description de *Culex* (*Neoculex*) *garioni* sp. n., moustique nouveau du Cameroun. *Soc. de Path. Exot. Bul.* 59(1):144-148. [n. sp.]
- BRAM, R. A. 1967. Classification of *Culex* subgenus *Culex* in the New World (Diptera: Culicidae). *U. S. Nat. Mus. Proc.* 120(3557):1-122. [*C. alani*, *C. bickleyi*, *C. covagarciai* and *C. oswaldoi* n. spp. should be credited to Forattini as latter published these names in 1965.]
- and RATTANARITHIKUL, M. 1967. Six new species of the *Culex* (*Lophoceraomyia*) *mammifilis* group from Thailand (Diptera: Culicidae). *Ent. Soc. Wash. Proc.* 69(1):1-17. [*C. eukrines*, *fuscospiphonis*, *incomptus*, *peytoni*, *pheoleti*, *spiculosus* n. spp.]
- BRUNHES, J. and VENARD, P. 1966. Contribution à l'étude des culicidés de la région éthiopienne; description de *Culex* (*Barraudius*) *richetti* n. sp. Notes complémentaires sur *Culex* (*B.*) *pusillus* Macquart et *Culex* (*B.*) *modestus* Ficalbi. *Entomologie Médicale Cah.* 4(7):75-84. [n. sp.]
- DOBROTWORSKY, N. V. 1966. Mosquitoes of Tasmania and Bass Strait Islands. *Linn. Soc. N. S. Wales* 91(2):121-146. [*Anopheles tasmaniensis* n. sp.; life history of *Culiseta weindorferi* (Edw.) described.]
- FORATTINI, O. P. 1965. Entomologia médica. Vol. 2 Culicini: *Culex*, *Aedes* e *Psorophora*. 506 pp. Vol. 3. Culicini: *Haemagogus*, *Mansonia*, *Culiseta*, *Sabethini*. Toxorhynchitini. Arboviroses. Filariose bancroftiana. Genética. 416 pp., São Paulo.
- and TODA, A. 1966. Notes sobre Culicidae (Diptera). II. Algumas espécies amazônicas de *Microculex*. *Studia Ent.* 9(1/4):501-514. [*Culex shopei* n. sp.]
- REID, J. A. 1966. A note on *Anopheles subpictus* Grassi and *A. indefinitus* Ludlow (Diptera:Culicidae). *J. Med. Ent.* 3(3/4):327-331.
- RICKENBACH, A. and HAMON, J. 1965. Description d'une nouvelle espèce d'*Orthopodomyia* (Diptera, Culicidae) capturée au Cameroun: *O. nkobissonensis* n. sp. *Soc. de Path. Exot. Bul.* 58(6):1112-1117. [n. sp.]
- RONDEROS, R. A. 1965. Notas sobre Culicidae venezolanos (Diptera). *Physis* 25(70):249-253. Engl. Sum. [*Culex xenophobus* n. sp.]
- SCANLON, J. E. and PEYTON, E. L. 1967. *Anopheles* (*Anopheles*) *tigertti*, a new species of the *aikenii* group from Thailand. *Ent. Soc. Wash. Proc.* 69(1):18-23. [n. sp.]
- STOJANOVICH, C. J., GORHAM, J. R. and SCOTT, H. G. 1966. Clave ilustrada para los mosquitos anofelinos de America Central y Panama. 37 pp., U. S. Comm. Dis. Center, Atlanta, Ga.
- , — and —. 1966. Clave ilustrada para los mosquitos anofelinos de Venezuela. 44 pp., U. S. Comm. Dis. Center, Atlanta, Ga.
- STOJANOVICH, C. J. and SCOTT, H. G. 1966. Illustrated key to *Anopheles* mosquitoes of Thailand. 44 p., U. S. Comm. Dis. Center, Atlanta, Ga.
- and —. 1966. Illustrated key to anopheline mosquitoes of Liberia. 19 pp., U. S. Comm. Dis. Center, Atlanta, Ga.
- TARTARINI, S. 1966. Descrizione delle ninfe di alcune specie anofeliche del Peru. *Parassitologia* 8(1):47-75. Engl. Sum. [Descriptions of pupae.]
- VAN SOMEREN, E. C. C. 1967. The female and early stages of *Culex* (*Culex*) *nakuruensis* Mattingly, with a description of a new subspecies of *Culex* (*Culex*) *shoae* Hamon and Ovazza. *Roy. Ent. Soc. London Proc. Ser. B.* 36(1/2):11-16. [*Culex shoae ugandae* n. subsp.]

## DISTRIBUTION

BRUST, R. A. and KALPAGE, K. S. 1967. New records for *Aedes* species in Manitoba. Mosquito News 27(1):117-118.

CHAPMAN, H. C. 1966. The mosquitoes of Nevada. 43 pp. (Ent. Res. Div., U. S. Dept. Agr. and Max C. Fleischmann Coll. of Agr., Univ. Nev.).

DÍAZ NÁJERA, A. 1966. Mosquitos tropicales de México. Rev. Invest. Salud. Púb. (Mexico) 26(1):57-64. Engl. Sum.

HAMON, J. and COWORKERS. 1966. Notes sur les moustiques de la République Islamique de Mauritanie [Dipt. Culicidae] (1<sup>re</sup> partie). Soc. Ent. France Ann. (n.s.) 11(2):371-383. Engl. Sum.

O'CONNOR, C. T., JR. 1967. The distribution of anopheline mosquitoes in Ethiopia. Mosquito News 27(1):42-54.

PORTER, J. E. 1967. A check list of the mosquitoes of the Greater Antilles and the Bahama and Virgin Islands. Mosquito News 27(1):35-41.

SIVERLY, R. E. 1967. Occurrence of *Aedes abserratus* (Felt and Young) and *Culiseta morsitans* (Theobald) in Indiana. Mosquito News 27(1):116.

SWALES, D. E. 1966. Species of insects and mites collected at Frobisher Bay, Baffin Island, 1964 and Inuvik, N. W. T., 1965; with brief ecological and geographical notes. Soc. Ent. Que. Ann. 11(3):189-199. [*Aedes hexodontus*, *A. impiger*, *A. nigripes*, *A. pullatus*.]

VAN SOMEREN, E. C. C. 1967. A check list of the culicine mosquitos of Tanganyika, with notes on their distribution in the territory. Bul. Ent. Res. 57(2):207-220.

See also Abdul-Hab in Behavior, Biology and Ecology Section; Dobrotworsky in Taxonomy Section.

## ARBOVIRUSES

ALLEN, W. P., BELMAN, S. G. and BORMAN, E. R. 1967. Group C arbovirus infections in rhesus monkeys. Amer. J. Trop. Med. and Hyg. 16(1):106-110.

ATCHISON, R. W., ORDONEZ, J. V., SATHER, G. E. and HAMMON, W. McD. 1966. Fluorescent antibody, complement fixation method for detection of dengue viruses in mice. J. Immunol. 96(6):936-943.

BALDUCCI, M., VERANI, P., LOPES, M. C. and GREGORIG, B. 1967. Survey for antibodies against arthropod-borne viruses in man and animals in Italy. II. Serologic status of human beings in a northern Italian region (Gorizia province). Amer. J. Trop. Med. and Hyg. 16(2):211-215.

BURGDORFER, W. and VARMA, M. G. R. 1967. Transstadial and transovarial development of disease agents in arthropods. Ann. Rev. Ent. 12:347-376. [Mosquitoes included.]

COLLINS, W. E. and HARRISON, A. J. 1967.

Studies of Tensaw virus in *Anopheles quadrimaculatus*, *A. albimanus* and *A. maculatus*. Mosquito News 27(1):1-5.

CUADRADO, R. R. and CASALS, J. 1967. Differentiation of arboviruses by immunoelectrophoresis. J. Immunol. 98(2):314-320.

DE HAAS, R. A., JONKERS, A. H. and HEINEMANN, D. W. 1966. Kwatta virus, a new agent isolated from *Culex* mosquitoes in Surinam. Amer. J. Trop. Med. and Hyg. 15(6):954-957.

GOLDFIELD, M., SUSSMAN, O. and KANDLE, R. P. 1966. A progress report on arbovirus studies in New Jersey. N. J. Mosquito Extermin. Assoc. Proc. 53:47-51.

GORGAS MEMORIAL LABORATORY. 1967. Thirty-eighth annual report of the work and operations of the Gorgas Memorial Laboratory, fiscal year 1966. U. S. Congress (1st session) House Doc. No. 10, 34 pp. [90th Congress.]

HAYDEN, D. L. 1966. Recent vector control experiences in Vietnam. N. J. Mosquito Extermin. Assoc. Proc. 53:58-63. [Includes mosquitoes.]

HOPKINS, I. G., HAZRATI, A. and OZAWA, Y. 1966. Development of plaque techniques for titration and neutralization tests with African horse-sickness virus. Amer. J. Vet. Res. 27(116):96-105.

HURLBUT, H. S. 1966. Mosquito salivation and virus transmission. Amer. J. Trop. Med. and Hyg. 15(6):989-993.

JONKERS, A. H., METSELAAR, D., PAES DE ANDRADE, A. H. and TIKASINGH, E. S. 1967. Restan virus, a new Group C arbovirus from Trinidad and Surinam. Amer. J. Trop. Med. and Hyg. 16(1):74-78. [From *Culex* spp.]

KARABATSOS, N. and BUCKLEY, S. M. 1967. Susceptibility of the baby-hamster kidney-cell line (BHK-21) to infection with arboviruses. Amer. J. Trop. Med. and Hyg. 16(1):99-105.

MAYEROVÁ, A., HRUZÍK, J. and MAYER, V. 1966. Significant increase of antibodies neutralizing Tahyna virus in patients with a clinical diagnosis of "acute febrile disease." Česk. Epidemiol., Mikrobiol., Immunol. 15(1):48-53. In Cz., Engl. Sum.

MEANS, R. G. and WATTHEWS, T. H. 1966. Biting flies, ectoparasites and their hosts collected in the arbovirus surveillance program in St. Lawrence County, N. Y. N. J. Mosquito Extermin. Assoc. Proc. 53:149-157. [Includes mosquitoes.]

MURRAY, S. M. and BRAS, G. 1966. Burkitt's malignant lymphoma. West Indian Med. J. 15(2):65-70. [Possibly mosquito-borne.]

OSTERRIETH, P. M. 1966. Plating efficiency of Semliki Forest virus; influence of caseinase C treatment of the virus. Acta Virol. 10(6):496-505.

OZAWA, Y. 1966. Interference between African horse-sickness viruses in tissue culture. Amer. J. Vet. Res. 27(116):106-109.

PANTHIER, R. and COWORKERS. 1966. Isolation du virus West Nile chez un cheval de Camargue atteint d'encéphalomyélite. Note Acad.

- Sci. Compt. Rend. (Paris) Ser. D. 262(11):1308-1310.
- PAUL, S. D. 1966. Research on arthropod-borne viruses in India. Assoc. Physicians of India J. 14(6):407-410.
- PAVRI, K. M. and SHEIKH, B. H. 1966. A rapid method of specific identification of Japanese encephalitis—West Nile subgroup of arboviruses. Current Sci. (Bangalore) 35(18):455-456.
- and —. 1966. Distribution of antibodies reacting with Chittor virus in humans and domestic ungulates of India. Indian J. Med. Res. 54(3):225-228.
- RAMACHANDRA RAO, T. 1966. A note on methods of material for investigation of arthropod-borne virus diseases. Indian Med. Assoc. J. 46(5):248-252.
- . 1966. Recent epidemics caused by chikungunya virus in India, 1963-65. Science and Culture 32:215-220.
- SCHERER, W. F., CAMPILLO-SAINZ, C., DICKERMAN, R. W., DIAZ-NAJERA, A. and MADALENGOITIA, J. 1967. Isolation of Tlalocotalpan virus, a new Bunyamwera-group virus from Mexican mosquitoes. Amer. J. Trop. Med. and Hyg. 16(1):79-91.
- SCOTT, H. G. 1966. Plates of vector-borne diseases in Vietnam. 51 pp., U. S. Comm. Dis. Center, Atlanta, Ga.
- SHOPE, R. E. 1966. The epidemiology of EEE, WEE, SLE and Turlock viruses, with special reference to birds, in a tropical rain forest near Belem, Brazil. Amer. J. Epidemiol. 84(3):467-477.
- SINGH, K. R. P. and PAVRI, K. M. 1966. Isolation of Chittor virus from mosquitoes and demonstration of serological conversions in sera of domestic animals at Manjri, Poona, India. Indian J. Med. Res. 54(3):220-224.
- VERANI, P. and COWORKERS. 1967. Survey for antibodies against arthropod-borne viruses in man and animals in Italy. I. Serologic status of human beings and animals in a central Italian region (Fondi). Amer. J. Trop. Med. and Hyg. 16(2):203-210.
- VIRUS RESEARCH CENTRE (Poona). 1966. Annual report 1964. 144 pp., India.
- WEST, A. S. 1966. Current studies on biting flies at Queen's University. N. J. Mosquito Extermin. Assoc. Proc. 53:139-146. [Includes mosquitoes.]
- See also Forattini in Taxonomy Section and Schober et al. in Behavior, Biology and Ecology Section.
- ### ENCEPHALITIS
- BEHBEHANI, A. M., HILLER, M. S., LENAHAN, M. F. and WENNER, H. A. 1967. Responses of monkeys to California encephalitis, Sicilian sandfly, and Turlock arboviruses. Résumé de serologic and pathologic findings. Amer. J. Trop. Med. and Hyg. 16(1):63-73.
- BOND, J. O. and COWORKERS. 1966. The 1962 epidemic of St. Louis encephalitis in Florida. II. Follow-up serologic surveys for prevalence of Group B arbovirus antibodies. Amer. J. Epidemiol. 83(3):564-570.
- CHAMBERLAIN, R. W., GOHEL, R. H. and SUDIA, W. D. 1966. Experimental vector studies with strains of St. Louis encephalitis virus isolated from mosquitoes during the 1964 epidemics. J. Med. Ent. 3(3/4):268-270.
- CRAMBLETT, H. G., STEGMILLER, H. and SPENCER, C. 1966. California encephalitis virus infections in children. Amer. Med. Assoc. J. 198(2):128-132.
- DARWISH, M. A. and HAMMON, W. McD. 1966. Studies on Japanese B encephalitis virus vaccines from tissue culture. VI. Development of a hamster kidney tissue culture inactivated vaccine for man. (1) Obtaining maximum titers of virus using an attenuated strain of OCT-541. (2) The characteristics of inactivation of an attenuated strain of OCT-541. (3) Potency testing of an attenuated strain of OCT-541. J. Immunol. 96(4):691-698; 96(5):806-813; 96(5):878-884.
- GROSSBERG, S. E. and SCHERER, W. F. 1966. The effect of host age, virus dose and route of inoculation on inapparent infection in mice with Japanese encephalitis virus. Soc. Expt. Biol. and Med. Proc. 123(1):118-124.
- HAMMON, W. McD., SATHER, G. E., BOND, J. and LEWIS, F. Y. 1966. Effect of previous dengue infection and yellow fever vaccination on St. Louis encephalitis virus serological surveys in Tampa Bay area of Florida. Amer. J. Epidemiol. 83(3):571-585.
- KONNO, J., ENDO, K., AGATSUMA, H. and ISHIDA, N. 1966. Cyclic outbreaks of Japanese encephalitis among pigs and humans. Amer. J. Epidemiol. 84(2):292-300.
- LALONDE, B. J. 1966. Arthropod-borne encephalitis viruses in Ohio. Speculum 19(2):15-17.
- MARCHETTE, N. J. 1966. Viral encephalitides. Med. J. Malaya 21(1):79-83.
- MCINTOCK, J., BURTON, A. N., DILLENBERG, H. and HEMPEL, J. G. 1966. Ecological factors in the 1963 outbreaks of western encephalitis in Saskatchewan. Canad. J. Pub. Health 57(6):561-575.
- NEWHOUSE, V. F. and SIVERLY, R. E. 1966. St. Louis encephalitis virus from mosquitoes in southwestern Indiana, 1964. J. Med. Ent. 3(3/4):349-342.
- N'GUYEN THI KIM THOA, BEYTOUT, D. and DO VAN QUY. 1966. Isolement d'un virus très voisin du virus de l'encéphalite japonaise d'un lot de moustiques à Saïgon. Med. Trop. (Marseille) 26(2):150-154.
- REE, H. I., CHEN, Y. K. and CHOW, C. Y. 1966. Methods of sampling population of the Japanese encephalitis vector mosquitoes in Korea—a preliminary report. WHO WPR/Arth. Virus Dis./57, 5 pp.
- SRIHONGSE, S. and GALINDO, P. 1967. The isolation of eastern equine encephalitis virus from *Culex (Melanoconion) taeniopus* Dyar and Knab in Panama. Mosquito News 27(1):74-76.

TIKASINGH, E., SPENCE, L., JONKERS, A. H. and GREEN, A. 1966. Arthropod-borne encephalitis viruses in the West Indies area. Part VIII: a serological survey of Montserrat. West Indian Med. J. 15(2):112-117.

### FILARIASIS

ABBOTT, P. K. 1966. Feline dirofilariasis in Papua. Austral. Vet. J. 42(7):247-249.

BEMRICK, W. J. and SANDHOLM, H. A. 1966. *Aedes vexans* and other potential mosquito vectors of *Dirofilaria immitis* in Minnesota. J. Parasitol. 52(4):762-767.

CHEONG, W. H. and OMAR, A. H. 1965. *Anopheles maculatus*, a new vector of *Wuchereria bancrofti* in Malaysia (Pulau Aur) and a potential vector in mainland Malaya. Med. J. Malaya 20(1):74-75.

— and —. 1966. Some early findings on the possibility of using *Aedes togoi* as a vector of *Dirofilaria magnilarvata* and *Dirofilaria repens* in the laboratory. Med. J. Malaya 20(4):332.

CIFERRI, F., SILIGA, N., LONG, G. and KESSEL, J. F. 1966. A filariasis control programme in American Samoa. WHO/Fil/66.22, 26 pp.

EWART, A. 1967. Studies on the transfer of infective *Brugia pahangi* larvae from vector mosquitoes to the mammalian host. Roy. Soc. Trop. Med. and Hyg. Trans. 61(1):110-113.

GUEST, M. F., KEK, C. L., WONG, M. M. and CHEONG, L. K. 1966. A demonstration of the use of polygraph to record Schultz-Dale reactions utilizing sera of monkeys infected with *Brugia malayi* as sources of both antibody and antigen. Med. J. Malaya 20(4):325-326.

IYENGAR, M. O. T. 1965. Epidemiology of filariasis in the South Pacific. South Pacific Comm. Tech. Pap. No. 148. 183 pp., Noumea, New Caledonia.

JONES, V. E. and EDWARDS, A. J. 1967. Rare severe toxic effects of Mel W (Idiosyncrasy): a possible relation to delayed type hypersensitivity. WHO/Fil/67.70, 6 pp.

JUNG, R. C. and ESPENAN, P. H. 1967. A case of infection in man with *Dirofilaria*. Amer. J. Trop. Med. and Hyg. 16(2):172-174.

MANDELLI, G. and MANTOVANI, A. 1966. Su di un caso di infestazione massiva da *Dirofilaria repens* nel cane. Parassitologia 8(1):21-28.

MANTOVANI, A. 1966. Sulla trasmissione delle microfilariae di *Dirofilaria repens* dalla madre al feto nel cane. Parassitologia 8(1):17-19.

— and KAGAN, I. G. 1967. Fractionated *Dirofilaria immitis* antigens for the differential diagnosis of canine filariasis. Amer. J. Vet. Res. 28(122):213-217.

MARSHALL, C. L. and YASUKAWA, K. 1966. Control of bancroftian filariasis in the Ryukyu Islands: preliminary results of mass administration of diethylcarbamazine. Amer. J. Trop. Med. and Hyg. 15(6):934-942.

MCQUAY, R. M. 1967. Parasitologic studies

in a group of furloughed missionaries. II. Helminth findings. Amer. J. Trop. Med. and Hyg. 16(2):161-166. [Includes filariasis.]

PRINGLE, G. and KING, D. F. 1967. Experimental filariasis in the cotton rat. Roy. Soc. Trop. Med. and Hyg. Trans. 61(1):19.

RAMACHANDRAN, C. P. 1966. Biological aspects in the transmission of *Brugia malayi* by *Aedes aegypti* in the laboratory. J. Med. Ent. 3(3/4):239-252.

—, SANDOSHAM, A. A. and SIVANANDAM, S. 1966. Development of *Wuchereria bancrofti* in the domestic cat. Med. J. Malaya 20(4):333. [1 table on p. 332.]

SIVANANDAM, S. and FREDERICKS, H. J. 1966. The "innenkorper" in differentiation between the microfilariae of *Brugia pahangi* and *B. malayi* (sub-periodic form). Med. J. Malaya 20(4):337-338.

SOLIMAN, L. A. M. 1966. A study of pathologic changes in endemic elephantiasis of the lower limbs. Egypt. Med. Assoc. J. 49(2/3):138-144.

STRAUSS, J. M. and SIVANANDAM, S. 1966. A double infection of filariasis in a black panther (*Panthera pardus*) from Pahang. Med. J. Malaya 20(4):336.

SULTANOV, M. N. and GUSEINOV, G. KH. 1967. A case of dirofilariasis of the eye. Med. Parazit. i Parazit. Bolezni 36(1):115-116. In Rus., Engl. Sum.

TOWNSON, H. 1967. Mosquito flight studies in relation to filariasis. Roy. Soc. Trop. Med. and Hyg. Trans. 61(1):19.

VAN DER KUYP, E. 1965. Progress achieved in Wuchereria bancrofti control in Surinam. Pub. No. 8, 22 pp. Surinam: Bur. voor Openbare Gezondheidszorg.

WADA, Y. 1966. Epidemiology of bancroftian filariasis in Nagate and Abumize Villages, Nagasaki Prefecture, especially in relation to vector mosquitoes. 3. Ecology and natural infections of mosquitoes. 4. Filariasis eradication experiment by the control of vector mosquitoes. Endemic Dis. Bul. (Nagasaki Univ.). 8(1):45-53; 54-59.

WIJETUNGE, H. P. A. 1967. Filariasis in a university campus in Ceylon. J. Trop. Med. and Hyg. (London) 70(1):25-28.

WORMS, M. J. 1967. Observations on experimental filariasis in relation to filarial immunity. WHO/Fil/67.71, 5 pp.

See also Forattini in Taxonomy Section.

### MALARIA

CORWIN, R. M. and McGHEE, R. B. 1966. Anemia in ducklings treated with malarious plasma. Expt. Parasitol. 18(2):281-289.

COZ, J. and COWORKERS. 1966. Études entomologiques sur la transmission du paludisme humain dans une zone de forêt humide dense, la région de Sassandra, République de Côte d'Ivoire. Entomologie Médicale Cah. 4(7):13-42.

CROSBY, D. J. and STORM, A. H. 1966. Ma-

- larial relapse induced by intravenous cholangiography. Report of two cases. *Arch. Intern. Med.* 118(1):79-80.
- FONAROFF, L. S. 1966. Biogeographic aspects of malaria in Trinidad. 67 pp. [Northridge—Dept. Geog., San Fernando Valley State Coll., Calif.]
- GILLES, H. M. 1966. Malaria in children. *Brit. Med. J.* 5526:1375-1377.
- . 1967. Summary of recent abstracts. III. Malaria. *Trop. Dis. Bul.* 64(3):225-233.
- HAMILTON, P. J. S. and COWORKERS. 1966. Anaemia in pregnancy associated with "big spleen disease." *Brit. Med. J.* 5513:548-551. [Possibility of link with blackwater fever.]
- JELIFFE, E. F. P. 1966. Malaria infection of the placenta and low birth weight (a preliminary communication). *J. Trop. Pediat.* 12(1):15.
- . 1966. Malarial infection of the placenta and low birth-weight. *East Afr. Med. J.* 43(11):571.
- KEAN, B. H. and JONES, T. C. 1966. Malaria 1966. Case report and discussion. The changing perspective of malaria. *N. Y. Acad. Med. Bul.* 42(7):565-578.
- LUBY, J. P., SCHULTZ, M. G., NOWOSIWSKY, T. and KAISER, R. L. 1967. Introduced malaria at Fort Benning, Georgia, 1964-1965. *Amer. J. Trop. Med. and Hyg.* 16(2):146-153.
- MCFARLANE, H. and VOLLMER, A. 1966. Studies on immunoglobulins of Nigerians. Part II. Immunoglobulins and malarial infections in Nigerians. *J. Trop. Med. and Hyg. (London)* 69(5):140-147.
- MUSOKE, L. K. 1966. Neurological manifestations of malaria in children. *East Afr. Med. J.* 43(11):561-564.
- PORTER, J. A., JR., JOHNSON, C. M. and DE SOUSA, L. 1966. Prevalence of malaria in Panamanian primates. *J. Parasitol.* 52(4):669-670.
- PRINGLE, G. 1967. Malaria in the Pare area of Tanzania. III. The course of malaria transmission since the suspension of an experimental programme of residual insecticide spraying. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):69-79.
- REID, H. A. 1966. Fibrinogen in cerebral malaria. *Lancet* 7473:1136.
- ROZANSKY, R., PRUSAK, J. and LAURIE, A. 1966. Late relapse of quartan malaria. Harefuah (Jerusalem) 71(5):134-135. In Hebr., Engl. Sum. [Relapse after 45 years.]
- SANDOSHAM, A. A. 1965. Malaria with special reference to Malaya. 349 pp., London.
- STURROCK, R. F. 1966. Observations on the association of hookworms and malaria with hypochromic anaemia in four rural communities in East Africa. *East Afr. Med. J.* 43(12):603-609.
- SUÁREZ TORRES, G. 1966. Evolución del paludismo en la frontera Mexicano-Guatemalteca en 1965 y plan de acción para 1966. *Salud Pública México* 8(2):217-224.
- TEJEIRO FERNANDEZ, A. 1965. Estado actual del paludismo en Cuba. *Bol. Hig. y Epidemiol. (Havana)* 3(4):5-13.
- TELLA, A. and MAEGRAITH, B. G. 1966. Bradykinin and bradykininogen in the blood of the rhesus monkey (*Macaca mulatta*). *Ann. Trop. Med. and Parasitol.* 60(4):423-428. [In connection with malaria studies.]
- WALLIKER, D. 1966. Malaria parasites of some Brazilian lizards. *Parasitology* 56(1):39-44.
- WORLD HEALTH ORGANIZATION. 1967. Prevention of the re-introduction of malaria—report of a meeting—Washington, D. C., 14-18 November 1966. WHO/Mal/67.590, 50 pp.
- See also Hayden and Gorgas Memorial Laboratory in Arbovirus Section.
- #### *Malaria—Eradication*
- AHMAD, J. S. 1966. Why health education malaria programme of Pakistan. *Pakistan J. Health* 16(1):46-48.
- CUEVA, O. DE LA. 1966. Health education in malaria eradication. WHO/HE/66.3, WHO/Mal/66.586. 7 pp.
- GUTTUSO, C. 1967. A malaria eradication pilot project in Liberia (1958-1961). WHO/Mal/67.589, 21 pp. Fr. Sum.
- HUEHNE, W. H., MOHAMED DINBIN AHMAD, LING DING SENG and PULL, J. H. 1966. A comprehensive account of the malaria eradication pilot project in Malaya. *Med. J. Malaya* 21(1):3-25.
- JOHNSON, D. R. 1966. Malaria eradication achievements in India. *N. J. Mosquito Extermin. Assoc. Proc.* 53:67-73.
- KAHN, M. J. 1965. Epidemiological assessment of malaria in Sheikhpura and Sialkot zones of West Pakistan, Malaria Eradication Programme (1960-1964). *Pakistan J. Health* 15(3):117-322.
- MARTÍN TELLAECHE, A. and ROMERO BARRÓN, G. 1966. Ensayo para valorar las posibilidades de los servicios coordinados de Salubridad y Asistencia en el Estado de Veracruz, para responsabilizarse dentro de su jurisdicción de la vigilancia epidemiológica en las áreas palúdicas en fase de consolidación. *Salud Pública México* 8(2):281-326.
- RAHMAN, A. Q. B. 1966. A brief note on "malaria eradication" in East Pakistan. *Pakistan J. Health* 16(1):44-45.
- SAAVE, J. J., JEFFERY, W. and HAROI, M. 1966. Progressive eradication of malarial disease in New Guinea: experience in Maprik. *Med. J. Malaya* 20(4):322.
- TOMASZUNAS, S. 1966. Malaria eradication in Democratic Republic of Vietnam. *Inst. Marine Med. Gdansk Bul.* 17(1/2):51-58. In Pol., Engl. Sum.
- WORLD HEALTH ORGANIZATION. 1966. Development of the malaria eradication programme. WHO Off. Rec. No. 151, 124 pp. [pp. 65-105.]
- #### *Malaria—Plasmodia*
- AIKAWA, M., HEPLER, P. K., HUFF, C. G. and SPRINZ, H. 1966. The feeding mechanisms of

- avian malarial parasites. *J. Cell Biol.* 28(2):355-373.
- ANGUS, M. G. N., THURNHAM, D. I., FLETCHER, K. A. and MAEGRAITH, B. G. 1967. Biochemical aspects of the pathogenesis of malaria. 1. Further studies on the isolation of a malaria toxin. 2. Gas chromatography of serum non-esterified fatty acids in *Plasmodium knowlesi* malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):4.
- BENNETT, G. F. and WARREN, McW. 1966. Biology of the Malaysian strain of *Plasmodium juxtanucleare* Versiani and Gomes, 1941. III. Life cycle of the erythrocytic parasite in the avian host. *J. Parasitol.* 52(4):653-659.
- \_\_\_\_\_, \_\_\_\_\_, and CHEONG, W. H. 1966. Biology of the Malaysian strain of *Plasmodium juxtanucleare* Versiani and Gomes, 1941. II. The sporogonic stages in *Culex (Culex) sitiens* Wiedemann. *J. Parasitol.* 52(4):647-652.
- \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. 1966. Biology of the simian malarias of Southeast Asia. II. The susceptibility of some Malaysian mosquitoes to infection with five strains of *Plasmodium cynomolgi*. III. Sporogony of the Cambodian strain of *Plasmodium cynomolgi*. IV. Sporogony of four strains of *Plasmodium cynomolgi*. *J. Parasitol.* 52(4):625-631; 632-638; 639-646.
- COATNEY, G. R., CHIN, W., CONTACOS, P. G. and KING, H. K. 1966. *Plasmodium inui*, a quartan-type malaria parasite of Old World monkeys transmissible to man. *J. Parasitol.* 52(4):660-663.
- COLLINS, W. E. and COWORKERS. 1966. Blood parasites of birds at Wateree, South Carolina. *J. Parasitol.* 52(4):671-673. [Includes *Plasmodium*.]
- COX, H. W., SCHROEDER, W. F. and RISTIC, M. 1966. Hemagglutination and erythrophagocytosis associated with the anemia of *Plasmodium berghei* infections of rats. *J. Protozool.* 13(2):327-332.
- D'ANTONIO, L. E., VON DOENHOFF, A. E., JR. and FIFE, E. H., JR. 1966. A new method for isolation and fractionation of complement fixing antigens from *Plasmodium knowlesi*. *Soc. Expt. Biol. and Med. Proc.* 123(1):30-34.
- DAS, S. K., STRAUSS, J. M. and CHONG TUCK CHEE USAMRU. 1966. *Plasmodium inui*-like infection producing a presumably fatal illness in a leaf monkey *Presbytis johnii*—a previously undescribed host. *Med. J. Malaya* 20(4):323.
- DEVAKUL, K., GARBY, L. and HARINASUTA, T. 1966. Erythrocyte destruction in *Plasmodium falciparum* malaria: effects of erythrocyte glucose-6-phosphate dehydrogenase deficiency. *Ann. Trop. Med. and Parasitol.* 60(4):432-438.
- DIGGS, C. L. 1966. Immunodiffusion studies of *Plasmodium berghei*: interactions of an extract of the erythrocytic forms with rabbit antisera. *Expt. Parasitol.* 19(3):237-248.
- DISSANAIKE, A. S., NELSON, P. and GARNHAM, P. C. C. 1965. Two new malaria parasites, *Plasmodium cynomolgi ceylonensis* subsp. nov. and *Plasmodium fragile* sp. nov., from monkeys in Ceylon. *Ceylon J. Med. Sci. (Sect. D)*. 14(1):1-9.
- EL-NAHAL, H. M. S. 1967. Serological cross reaction between rodent malaria parasites as determined by the indirect immunofluorescent technique. *WHO/Mal/67.591*, 12 pp.
- \_\_\_\_\_. 1967. 1. Serological cross reaction between rodent malaria parasites as determined by the indirect immuno-fluorescent technique. 2. Fluorescent antibody studies on the pre-erythrocytic schizonts of *Plasmodium berghei yoelii* and *Plasmodium cynomolgi* (Langur strain). *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):7-10.
- FERONE, R. and HITCHINGS, G. H. 1966. Folate cofactor biosynthesis by *Plasmodium berghei*. Comparison of folate and dihydrofolate as substrates. *J. Protozool.* 13(3):504-506.
- GARNHAM, P. C. C., BIRD, R. G. and BAKER, J. R. 1967. Electron microscope studies on motile stages of malaria parasites. V. Exflagellation in *Plasmodium*, *Hepatocystis* and *Leucocytozoon*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):58-68.
- GARNHAM, P. C. C., BRAY, R. S. and KILICK-KENDRICK, R. 1967. Tissue stages of a Romanian strain of *P. malariae*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):2.
- GINGER, C. D. 1967. Preliminary studies on lipid constitution of the malaria parasite. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):2-3.
- JAYWARDENE, L. G. 1963. Morphology of the erythrocytic state of *Plasmodium inui* Halberstadt and Prowazek, 1907, in the toque monkey, *Macaca sinica* from Ceylon. *Indian J. Malariol.* 17(4):365-372.
- JERUSALEM, C. 1966. Dauer der Parasitämie (*Plasmodium berghei*) und Grad der Immunität bei Swiss-Mäusen. *Z. f. Tropenmed. u. Parasitol.* 17(2):210-216.
- KIBUKAMUSOKE, J. W. 1967. The examination of multiple slides for the demonstration of malaria parasites. *J. Trop. Med. and Hyg. (London)* 70(2):46-49.
- KOUCHAKJI, G. A. 1967. Cryptozoites of *Plasmodium subpraecox* in canaries. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):11.
- LANDAU, I., MICHEL, J. C. and ADAM, J. P. 1967. The growth of exo-erythrocytic schizonts of a malaria parasite in the liver of a naturally infected rodent (*Thamnomys rutilans*). *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):7.
- LUPASCU, GH. and COWORKERS. 1967. Specimens prepared during an investigation into the Romanian (VS) strain of *Plasmodium malariae*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):2.
- MCGREGOR, I. A. and COWORKERS. 1966. Demonstration of circulating antibodies to *Plasmodium falciparum* by gel-diffusion techniques. *Nature (London)* 210(5043):1384-1386.
- MCLAUGHLIN, E. T. and CRANS, W. J. 1966. A blood parasite survey of some estuarine birds in New Jersey. *N. J. Mosquito Extermin. Assoc. Proc.* 53:191-193.
- LONG, A. P. 1966. Diagnosis and therapy of *Plasmodium falciparum* malaria. *Iowa Med. Sci. J.* 56(3):299-300.
- OTT, K. J. and STAUBER, L. A. 1967. *Epery-*

*throzoon coccoides*: influence on course of *Plasmodium chabaudi* in mouse. *Science* 155(3769): 1546-1548.

RICHARDS, W. H. G. 1966. Active immunization of chicks against *Plasmodium gallinaceum* by inactivated homologous sporozoites and erythrocytic parasites. *Nature (London)* 212(5069): 1492-1494.

SHERMAN, I. W. 1966. Levels of oxidized and reduced pyridine nucleotides in avian malaria (*Plasmodium lophurae*). *Amer. J. Trop. Med. and Hyg.* 15(6):814-817.

\_\_\_\_\_. 1966. Malic dehydrogenase heterogeneity in malaria (*Plasmodium lophurae* and *P. berghei*). *J. Protozool.* 13(2):344-349.

THEAKSTON, D. R. G. and FLETCHER, K. A. 1967. Ultra-structural studies of *P. vinckei*-infected erythrocytes. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):10.

TOBIE, J. E., WOLFF, S. M. and JEFFERY, G. M. 1966. Immune response of man to inoculation with *Plasmodium cynomolgi* and challenge with *P. vivax*. *Lancet* 7458:300-303.

VOLLER, A. and BIDWELL, D. 1967. The effect upon Semliki Forest virus of concurrent infections of *Plasmodium chabaudi* and *Eperythrozoon coccoides*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):10.

WALLACE, W. R. 1966. Fatty acid composition of lipid classes in *Plasmodium lophurae* and *Plasmodium berghei*. *Amer. J. Trop. Med. and Hyg.* 15(6):811-813.

\_\_\_\_\_, FINERTY, J. F. and DIMPOULLOS, G. T. 1967. Hepatic-lipid changes in mice infected with *Plasmodium berghei*. *Amer. J. Trop. Med. and Hyg.* 16(1):19-22.

WEARY, M. and KILICK-KENDRICK, R. 1967. Tissue schizonts of *P. berghei yoelii* in the livers of new-born rats. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):6.

#### Malaria—Simian

CHEONG, W. H., OMAR, A. H. and WARREN, McW. 1966. The known vectors of simian malaria in Malaya today. *Med. J. Malaya* 20(4): 327-329.

CHOWDHURY, D. S., MOHAN, B. N., PRAKASH, S. and RAMAKRISHNAN, S. P. 1963. Experimental susceptibility of anopheline mosquitoes to simian malaria in the Nilgiris, Madras State, South India. *Indian J. Malariaiol.* 17(4):237-242.

CHOWDHURY, D. S., WATTAL, B. L. and RAMAKRISHNAN, S. P. 1963. Incrimination of *Anopheles elegans* James (1903) as a natural vector of simian malaria in the Nilgiris, Madras State, India. *Indian J. Malariaiol.* 17(4):243-247.

COLLINS, W. E. and COWORKERS. 1967. Fluorescent-antibody studies on simian malaria. I. Development of antibodies to *Plasmodium knowlesi*. *Amer. J. Trop. Med. and Hyg.* 16(1):1-7.

COLLINS, W. E., CONTACOS, P. G., GUINN, E. and HELD, J. R. 1966. Studies on the transmission of simian malarias, I. Transmission of two strains of *Plasmodium inui* by *Anopheles maculatus* and *A. stephensi*. *J. Parasitol.* 52(4):664-668.

FLETCHER, K. A., CHONGSUPHAJAISIDHI, T. and MAEGRAITH, B. G. 1967. Electron microscopy of liver biopsies from a *P. knowlesi*-infected monkey. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):5.

MIGASENA, P., GILLES, H. and MAEGRAITH, B. G. 1967. Proteins in the serum and CSF in *Plasmodium knowlesi* malaria: immuno-electrophoresis. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):5.

MIGASENA, P. and MAEGRAITH, B. G. 1967. Pharmacological action of antimalarial drugs. Action of chloroquine and hydrocortisone on blood-brain barrier in *Plasmodium knowlesi* malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):6.

MIGASENA, P., MIGASENA, S. and MAEGRAITH, B. G. 1967. Inter-relation of infection and nutrition: intestinal absorption of fat, carbohydrate and amino-acid in *Plasmodium knowlesi* malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 61(1):5.

PATTANAYAK, S. 1963. A note on natural simian malaria infection in Kerala State, India. *Indian J. Malariaiol.* 17(4):293-294.

#### Malaria—Therapeutics and Antimalarials

CHIN, W., CONTACOS, P. G. and COATNEY, G. R. 1966. The evaluation of quinine sulfate and diaminodiphenyl sulfone (DDS) as suppressive agents against sporozoite-induced Chesson strain vivax malaria. *Amer. J. Trop. Med. and Hyg.* 15(6):830-832.

CLYDE, D. F. 1967. Antimalarial effect of diaphenylsulfone and three sulfonamides among semi-immune Africans. *Amer. J. Trop. Med. and Hyg.* 16(1):7-10.

GUTIERREZ, J. 1966. Effect of the antimalarial chloroquine on the phospholipid metabolism of avian malaria and heart tissue. *Amer. J. Trop. Med. and Hyg.* 15(6):818-822.

LAING, A. B. G., PRINGLE, G. and LANE, F. C. T. 1966. A study among African schoolchildren of the repository antimalarial properties of cycloguanil pamoate, 4,4'-diacetyl diaminodiphenyl-sulfone, and a combination of the two drugs. *Amer. J. Trop. Med. and Hyg.* 15(6):838-848.

PAYET, M. and COWORKERS. 1966. Étude sur l'activité antimalariante du pamoate de dihydrotriazine C. I. Camolar. *Soc. Méd. Afr. Noire Langue Fran. Bul.* 11(2):147-169.

RIECKMANN, K. H. 1966. A field study on the effects of a combination of cycloguanil pamoate and amodiaquine against malaria in the Rabaul area of New Guinea. *Amer. J. Trop. Med. and Hyg.* 15(6):833-837.

ROSS INSTITUTE INFORMATION AND ADVISORY SERVICE, London School of Hygiene and Tropical Medicine. 1966. Anti-malarial drugs. *Bul. No. 2*, 22 pp. Revised.

TRAGER, W. 1967. The different effects of antimalarial drugs on *Plasmodium lophurae* developing intracellularly and extracellularly *in vitro*. *Amer. J. Trop. Med. and Hyg.* 16(1): 15-18.

WAITZ, J. A., BAYLES, A., SMITH, A. and THOMPSON, P. E. 1967. Activity of chloroquine against *Plasmodium berghei* in mice both with and without previous exposure to chloroquine. Amer. J. Trop. Med. and Hyg. 16(1):11-12.

YANG, T. S. and COWORKERS. 1965. The effect of biweekly administration of 50 Mg. pyrimethamine in prevention of *falciparum* and *vivax* malaria. Chinese Med. J. (Peking) 84(12): 809-812.

See also Migasena and Maegraith in *Malaria-Simian* Section.

#### *Malaria—Antimalarials—Resistance*

CHIN, W., COATNEY, G. R. and KING, H. K. 1967. An evaluation of CI-564 against blood-induced chlorguanide-sensitive and chlorguanide-resistant strains of vivax malaria. Amer. J. Trop. Med. and Hyg. 16(1):13-14.

CHIN, W., CONTACOS, P. G., COATNEY, G. R. and KING, H. K. 1966. The evaluation of sulphonamides, alone or in combination with pyrimethamine, in the treatment of multi-resistant falciparum malaria. Amer. J. Trop. Med. and Hyg. 15(6):823-829.

EPPES, R. B., DEGOWIN, R. L., POWELL, R. and LEGTERS, L. J. 1966. Clinical studies with a drug-resistant strain of *Plasmodium falciparum* from Vietnam. Military Med. 131(4):362-371.

JEFFERY, G. M. and GIBSON, F. D. 1966. Studies on chloroquine-resistance of *Plasmodium falciparum* in Upper Volta and Liberia, West Africa. WHO Bul. 55(3):441-449.

PRINGLE, G. and LANE, F. C. T. 1966. An apparent decline in the efficacy of small doses of chloroquine in suppressing malaria parasitaemias in semi-immune African schoolchildren. East Afr. Med. J. 43(12):575-578.

RICHARDS, W. H. G. 1966. Antimalarial activity of sulphonamides and a sulphone, singly and in combination with pyrimethamine, against drug resistant and normal strains of laboratory plasmodia. Nature (London) 212(5069):1494-1495. [P. gallinaceum and P. berghei.]

RODRIGUES DA SILVA, J. and ALMEIDA LOPEZ, P. F. 1966. Resistência do *Plasmodium falciparum* aos antimaláricos de síntese. Hospital (Rio de Janeiro) 69(5):967-979. Engl. Sum.

THOMPSON, P. E. and BAYLES, A. 1966. Eradication of *Eperythrozoon coccoides* with oxophenarsine in normal and drug-resistant lines of *Plasmodium berghei* in mice. J. Parasitol. 52(4): 674-678.

THOMPSON, P. E., OLSZEWSKI, B., BAYLES, A. and WAITZ, J. A. 1967. Relations among antimalarial drugs: results of studies with cycloguanil-, sulfone-, or chloroquine-resistant *Plasmodium berghei* in mice. Amer. J. Trop. and Hyg. 16(2): 133-145.

WARHURST, D. C. and KILICK-KENDRICK, R. 1967. Spontaneous resistance to chloroquine in a strain of rodent malaria (*Plasmodium berghei* *yolii*). Nature (London) 213(5080):1048-1049.

#### LIGHT AND OTHER TRAP STUDIES

EHRENBERG, H. A. 1966. Some comparisons of a pigeon-baited mosquito trap with a New Jersey light trap. N. J. Mosquito Extermin. Assoc. Proc. 53:175-182.

GILLIES, M. T. and SNOW, W. F. 1967. A CO<sub>2</sub>-baited sticky trap for mosquitoes. Roy. Soc. Trop. Med. and Hyg. Trans. 61(1):20.

#### LITERATURE REFERENCES AND REVIEWS

DUKHANINA, N. N. 1967. Soviet literature on problems of medical parasitology and parasitic diseases in 1966. Med. Parazit. i Parazit. Bolezni 36(1):117-125. [Mosquitoes included.]

SOLLERS-RIEDEL, H. 1967. Literature references to mosquitoes and mosquito-borne diseases. Mosquito News 27(1):122-131.

#### BIOGRAPHY AND HISTORY

ASCHER, K. R. S. 1966. In memoriam to two pioneers of malaria eradication: G. G. Mer, O.B.E., D.T.M. & H. (22 March 1961); Academician V. N. Beklemishev (4 September 1962). Israel J. Ent. 1(1):183-187.

HARDEN, F. W., HEPBURN, H. R. and ETHRIDGE, B. J. 1967. A history of mosquitoes and mosquito-borne diseases in Mississippi 1699-1965. Mosquito News 27(1):60-66.

MORRIS, R. 1967. Sir Philip Manson-Bahr. Cent. Afr. J. Med. 13(1):18.

#### SUBJECTS NOT COVERED BY OTHER HEADINGS

GRAHAM, J. E. 1966. A report from the American Mosquito Control Association. N. J. Mosquito Extermin. Assoc. Proc. 53:9-10.

MERRILL, L. G., JR. 1966. The place of mosquitoes in the environmental responsibilities of the university. N. J. Mosquito Extermin. Assoc. Proc. 53:6-8.

REHN, J. W. H. 1966. Urban mosquito problems at naval activities in the Middle Atlantic States. N. J. Mosquito Extermin. Assoc. Proc. 53:63-66.

SHINKLE, M. P. 1966. Some practical aspects of mosquito surveillance. N. J. Mosquito Extermin. Assoc. Proc. 53:73-76.

SHULMAN, S. 1967. Allergic responses to insects. Ann. Rev. Ent. 12:323-346. [Aedes and Culex included.]

UNITED STATES DEPARTMENT OF AGRICULTURE, U. S. DEPARTMENT OF THE INTERIOR and U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE. 1967. Mosquito prevention on irrigated farms. U. S. Dept. Agr. Handbk. 319, 32 pp.

WEIDHAAS, D. E. 1966. Highlights of recent research on the biology and control of mosquitoes by the U. S. Department of Agriculture. N. J. Mosquito Extermin. Assoc. Proc. 53:198-202.