

# REFERENCES TO LITERATURE OF INTEREST TO MOSQUITO WORKERS AND MALARIOLOGISTS

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## FUMIGANTS

KRISHNAMURTHY, B. S., KALRA, R. L. and KESHAVALU, P. G. 1963. Some observations on the evaluation of dichlorvos for the control of mosquitoes. *Indian J. Malariol.* 17(2/3):123-130.

SERVICE, M. W. 1965. Trials with dichlorvos (DDVP) against malaria vectors in huts in Northern Nigeria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(2):153-162.

SMITH, A. 1963. Effects of dichlorvos (DDVP) on the behaviour of *A. gambiae*. *Indian J. Malariol.* 17(2/3):131-140.

## ADULTICIDES AND LARVICIDES

ASHERAFI, S. H., MURTUZA, S. M. and ASMATULLAH, D. 1964. Pesticidal potentiality of Petkolin in comparison with other chlorinated insecticides. *Pakistan J. of Sci. and Indus. Res.* 7(3):211-213. [*Aedes aegypti* one of test species.]

BAR-ZEEV, M. and BRACHA, P. 1965. Village scale trial with OMS 29 (Sevin) and OMS 43 (Folthion) in Southern Nigeria. *WHO/Vector Cont./108.65, WHO/Mal/489.65.* 14 pp.

BRENGUES, J. 1964. Étude de la relation existant chez les larves (4<sup>e</sup> stade) d'*Aedes aegypti* L., entre la durée d'exposition à un insecticide et la mortalité résultante. *Soc. de Path. Exot. Bul.* 57(2):339-350. *Engl. Sum.*

CHINAEV, P. P. 1964. Control of the main malaria vector—*Anopheles maculipennis sacharovi*—in the zone of rice growing of the Uzbek SSR. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 223-238, Moscow. In *Rus., Engl. Sum.*

FERRIGNO, F., JOBBINS, D. M. and RUBER, E. 1964. Practical aspects of mosquito-wildlife investigations on Cumberland County marshes. *N. J. Mosquito Extermin. Assoc. Proc.* 51:74-84.

GAHAN, J. B. and DAVIS, A. N. 1964. Toxicity of a group of new insecticides to adults of *Aedes taeniorynchus*. *N. J. Mosquito Extermin. Assoc. Proc.* 51:162-165.

GARRETT, W. T. 1964. DDVP as a mosquito adulticide. *N. J. Mosquito Extermin. Assoc. Proc.* 51:111-113.

KLASSEN, W., KEPPLER, W. J. and KITZMILLER, J. B. 1965. Laboratory evaluation of larvicides against various strains of *Anopheles*, *Culex* and *Aedes*. *WHO/Vector Cont./112.65.* 11 pp.

KNAPP, F. W. and ROBERTS, W. W. 1965. Low volume aerial application of technical malathion for adult mosquito control. *Mosquito News* 25(1):46-47.

LEWALLEN, L. L. and GILLIES, P. A. 1965. Insecticide tests on sexed mosquito larvae. *Mosquito News* 25(1):22-23.

MULLA, M. S. 1965. Granular mosquito larvicides. *WHO/Vector Cont./116.65.* 12 pp.

Pest Control. 1965. 1965 Communicable Disease Center report on public health pesticides. *Pest Control* 33(3):9, 11-12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32. [Includes mosquitoes.]

RAMSDALE, C. D. and RIVOLA, E. 1964. A note on the response of *A. gambiae* to spraying with HCH in Swaziland. *WHO/Mal/481.* 64, *WHO/Vector Cont./103.64.* 10 pp.

SCHOOF, H. F., JAKOB, W. L. and MATHIS, W. 1964. Response of *Musca domestica* and several species of mosquitoes to various insecticides. *N. J. Mosquito Extermin. Assoc. Proc.* 51:176-180.

SILVEIRA, S. M., FORCE, G. W. and WOMELDORF, D. J. 1964. Field test of dichlorvos-resin strips for controlling mosquito larvae in catch basins in Turlock, California. *Calif. Vector Views* 11(10):57-59.

SUTHERLAND, D. J. 1964. Toxicity of insecticides to *Aedes aegypti* larvae. *N. J. Mosquito Extermin. Assoc. Proc.* 51:107-110.

## VARIOUS TYPES OF CONTROL

MACGILLIVRAY, N. A. 1964. The importance of agricultural water use studies in mosquito control. *Calif. Vector Views* 11(11):61-64.

NOVAK, D. 1964. Stechmückenbekämpfung in Süd-Mähren. *Angew. Parasitol.* 5(2):76-85. *Engl. Sum.*

QURAISHI, M. S. and THORSTEINSON, A. J. 1965. Effect of synthetic "queen substance" and some related chemicals on immature stages of *Aedes aegypti*. *J. Econ. Ent.* 58(2):185-187.

## CHEMOSTERILANTS

LEWALLEN, L. L., CHAPMAN, H. C. and WILDER, W. H. 1965. Chemosterilant application to an isolated population of *Culex tarsalis*. *Mosquito News* 25(1):16-18.

MURRAY, W. S. and BICKLEY, W. E. 1964. Effect of apholate on the southern house mosquito *Culex pipiens quinquefasciatus* Say. *Maryland Agr. Expt. Sta. Bul.* A-134:1-37.

## Aedes Aegypti ERADICATION

MORLAN, H. B. 1964. The *Aedes aegypti*

<sup>1</sup> Mailing address: P. O. Box 19009, Washington, D. C. 20036.

Eradication Program in the United States. N. J. Mosquito Extermin. Assoc. Proc. 51:65-71.

### MOSQUITO CONTROL AGENCY PROBLEMS

BARTNETT, R. E. 1964. St. Johns County Anastasia Mosquito Control District. Annual report for the calendar year 1963. 3 pp.; 61 pp. [This includes two papers. See also R. C. Young in this Section.]

CALIFORNIA MOSQUITO CONTROL ASSOCIATION. 1965. Year book. 52 pp., Visalia.

DESPLAINES VALLEY MOSQUITO ABATEMENT DISTRICT (Lyons, Illinois). 1965. Thirty-seventh annual report 1964. 15 pp.

EAST VOLUSIA MOSQUITO CONTROL DISTRICT. 1964. The twenty-seventh annual report. 8 pp., Daytona Beach, Florida.

LOPP, O. V. 1965. Coordination between wildlife management and mosquito suppression organizations in California. Calif. Vector Views 12(1):1-4.

PEST CONTROL. 1965. 50 years of mosquito control in Bergen County, N. J. Pest Control 33(2):28, 30, 34, 36, 40.

SACRAMENTO COUNTY-YOLO COUNTY MOSQUITO ABATEMENT DISTRICT. 1965. Annual report 1964. 26 pp., California.

YOUNG, R. C. 1964. Economic aspects of mosquito control with special reference to a control district in Florida. In St. Johns County Anastasia Mosquito Control District. Annual report for the calendar year 1963 by R. E. Bartnett. pp. 1-61. Papers from N. J. Mosquito Extermin. Assoc. Proc. 51:

BENDER, C. B. 1964. The effects of county planning board activities on mosquito control. pp. 104-106.

DEEGAN, J. M. 1964. Report of the Hudson County Mosquito Extermination Commission. Pp. 169-172.

DILLISTIN, W. H. 1964. A report from the State Mosquito Control Commission. Pp. 7-9.

KING, G. M. 1964. A county engineer's activities in relation to mosquito control. Pp. 97-100.

KINSEY, L. 1964. An equipment innovation. Pp. 124-126. [Boot drier.]

KLEIN, T. 1964. How to get your program across to the public. Pp. 118-121.

LAFFERTY, J. E. 1964. Mosquito extermination control in the lands of Union County Park Commission. Pp. 181-182.

NEW JERSEY MOSQUITO EXTERMINATION ASSOCIATION. 1964. County summaries. Pp. 182-207.

STRAUSS, D. 1964. The exploration of mosquito laws for revision. Pp. 72-73.

VANNOTE, R. L. 1964. Planning, a basic responsibility of a mosquito commission. Pp. 100-102.

WEBSTER, R. A. 1964. The legal aspects regarding the control of diversion of surface and subsurface waters in New Jersey. Pp. 61-64.

### PARASITES, PREDATORS, VIRUSES AND RELATED AGENTS

BAY, E. C. 1965. Instant fish! A new tool for mosquito control? Pest Control 33(4):14-16, 58.

BRIGGS, J. D. 1964. Mass propagation of bacteria pathogenic for insects. WHO Bul. 31(4): 495-497.

BROOKS, M. A. 1964. Symbiotes and the nutrition of medically important insects. WHO Bul. 31(4):555-559. [Includes mosquitoes.]

FANARA, D. M. 1964. Notes on the biology of a salt marsh minnow, *Cyprinodon variegatus*. N. J. Mosquito Extermin. Assoc. Proc. 51:152-159.

GEORGE, M. J. 1963. Studies on infestation of *Pistia stratiotes* Linn. by the caterpillar of *Namangana pectinicornis* Hymps., a noctuid moth, and its effects on *Mansonioides* breeding. Indian J. Malariol. 17(2/3):149-155. [*Mansonia*.]

JENKINS, D. W. 1964. Pathogens, parasites and predators of medically important arthropods. Annotated list and bibliography. WHO Bul. 30 (Suppl.):1-150. [Chapter 7 on mosquitoes.]

LIPA, J. J. 1964. Biological control of medically important insects. Wiadomosci Parazytol. 10(1):21-32. In Pol. [Includes mosquitoes.]

SASA, M. KURIHARA, T., DHAMVANI, O. and HARINASUTA, C. 1964. Observations on a mosquito-eating fish (*Lebistes reticulatus*) breeding in polluted waters in Bangkok. WHO/EBL/26.64, WHO/Vector Cont./99.64. 22 pp.

SHOEMAKER, W. E. 1964. A biological control for *Aedes sollicitans* and the resulting effect upon wildlife. N. J. Mosquito Extermin. Assoc. Proc. 51:93-97.

SIMMONDS, F. J. 1964. Mass production of insect parasites and predators. WHO Bul. 31(4): 511-512.

### EQUIPMENT

NELSON, C. and DORER, R. E. 1964. A scooter equipped for catch basin spraying. N. J. Mosquito Extermin. Assoc. Proc. 51:103-104.

RILEY, R. C., SUTHERLAND, D. J. and SIMPSON, J. H. 1965. A blower-auger metering granular applicator. J. Econ. Ent. 58(1):121-124.

### ATTRACTANTS AND REPELLENTS

BAR-ZEEV, M. 1965. Some effects of dichlorvos in huts on the behaviour of mosquitoes in Southern Nigeria. WHO/Vector Cont./109.65, WHO/Mal/490.65. 9 pp.

BATAEV, P. S. and STAVROVSKAYA, V. I. 1964. Synthesis of repellents in the series of N-substituted amides. In Problems of medical parasitology and prevention of infectious diseases. Pp. 542-554, Moscow. In Rus., Engl. Sum.

LEA, A. O. 1965. Sugar-baited residues against mosquitoes. Mosquito News 25(1): 65-66.

PAL, R. 1964. Methods for studying the behaviour of malaria vectors under the impact of residual insecticides. WHO/Mal/476.64, WHO/Vector Cont./89.64. 10 pp.

POTAPOV, A. A. 1965. On methods of testing new repellents. Med. Parazit. i Parazit. Bolezni 34(1):41-45. In Rus.

## RESISTANCE AND SUSCEPTIBILITY

AZEZ, S. A. 1964. Susceptibility status of *A. fluviatilis* and *A. annularis* to DDT in an area near Dhanbad. Indian Soc. for Malaria and other Commun. Dis. Bul. 1(1/2):53-55.

GEROLD, J. L. and LAARMAN, J. J. 1964. Selection of some strains of *Anopheles atroparvus* with different behavioural responses to contacts with DDT. Nature (London) 204(4957):500-501.

GILOTRA, S. K. 1965. Reproductive potentials of dieldrin-resistant and susceptible populations of *Anopheles albimanus* Wiedemann. Amer. J. Trop. Med. and Hyg. 14(1):165-169.

PILLAI, M. K. K. and BROWN, A. W. A. 1965. Physiological and genetical studies on resistance to DDT substitutes in *Aedes aegypti*. J. Econ. Ent. 58(2):255-266.

PLAPP, F. W., JR., BIGLEY, W. S., DARROW, D. I. and HOYER, R. F. 1965. Esterase activity in mosquitoes and its possible relationship to organophosphate and carbamate resistance. Mosquito News 25(1):30-35.

SAMNOTRA, K. G. 1964. A note on the insecticide susceptibility of *Aedes vittatus* collected from Baroda City, India. Indian Soc. for Malaria and other Commun. Dis. Bul. 1(1/2):57-59.

SOERONO, M. and COWORKERS. 1965. Observations on doubly resistant *Anopheles aconitus* Dönitz in Java, Indonesia including its amenability to treatment with malathion. WHO/Mal/488.65, WHO/Vector Cont./106.65. 12 pp.

THOMAS, V. 1965. Effects of certain extrinsic and intrinsic factors on the susceptibility of larvae of *Culex pipiens fatigans* Wied. to DDT. Mosquito News 25(1):38-43.

## TOXICOLOGY

GEORGE, J. L. 1964. Recent pesticide-wild-life investigations concerning marsh and aquatic insect control. N. J. Mosquito Extermin. Assoc. Proc. 51:159-162.

GRAVES, J. B. and BRADLEY, J. R. 1965. Response of Swiss albino mice to intraperitoneal injection of endrin. J. Econ. Ent. 58(1):178-179.

RUBER, E. and FERRIGNO, F. 1964. Some effects of DDT, Baytex, and endrin on salt marsh productivities, copepods, and *Aedes* mosquito larvae. N. J. Mosquito Extermin. Assoc. Proc. 51:84-93.

STEAD, F. M. 1964. Pesticides in relation to environmental health. Calif. Vector Views 11(1):1-3. [Includes mosquitoes.]

WORLD HEALTH ORGANIZATION. 1964. Infor-

mation circular on the toxicity of pesticides to man. No. 14. Corrigendum. 1 p.

———. 1964. Information circular on the toxicity of pesticides to man. No. 15. 27 pp.

———. 1965. Bibliography on pesticide toxicity and accidental poisoning. WHO/Vector Cont./110.65. 6 pp.

## BEHAVIOR, BIOLOGY AND ECOLOGY

ADAM, J. P., VATTIER, G. and PAJOT, F. X. 1964. Dysharmonie gonotrophique chez deux *Anopheles cavernicoles* du Congo (Brazzaville). Soc. de Path. Exot. Bul. 57(3):397-400.

BAST, T. F. 1964. Further studies on the chemical nature of mosquito breeding waters in New Jersey. N. J. Mosquito Extermin. Assoc. Proc. 51:129-133.

———, REHN, J. W. H. and STOCKWELL, W. E. 1964. Density of mosquitoes at two elevations. N. J. Mosquito Extermin. Assoc. Proc. 51:146-152.

BEZZUBOVA, V. P. and VANSHTOK, A. P. 1965. Seasonal phenomena in the life of *Aedes* in the Novosibirsk oblast. Med. Parazit. i Parazit. Bolezni 34(1):19-22. In Rus., Engl. Sum.

CHERNOVA, M. P. 1965. The fauna of blood-sucking mosquitoes in the area of the Gorki Hydroelectric Power Station. Med. Parazit. i Parazit. Bolezni 34(1):110-111. In Rus., Engl. Sum.

COZ, J. 1964. Études des variations de l'âge physiologique d'*A. gambiae*, Giles et *A. mascarensis*, De Meillon, au cours de captures de nuit. Soc. de Path. Exot. Bul. 57(3):619-626. Engl. Sum.

CRANS, W. J. 1964. Continued host preference studies with New Jersey mosquitoes, 1963. N. J. Mosquito Extermin. Assoc. Proc. 51:50-58.

DAYKIN, P. N., KELLOGG, F. E. and WRIGHT, R. H. 1965. Host-finding and repulsion of *Aedes aegypti*. Canad. Ent. 97(3):239-263.

EADS, R. B. 1965. Biological notes on *Culex tarsalis* in the Lower Rio Grande Valley of Texas. Mosquito News 25(1):61-63.

ENTRY, J. W., CHEONG, W. H. and STA MARIA, F. L. 1965. A day-feeding strain of *Anopheles maculatus* Theobald. Mosquito News 25(1):67.

GIGLIOLI, M. E. C. 1964. Tides, salinity and the breeding of *Anopheles melas* (Theobald, 1903) during the dry season in the Gambia. Riv. di Malariol. 43(4/6):245-263.

GJULLIN, C. M. and JOHNSEN, J. O. 1965. The oviposition responses of two species of *Culex* to waters treated with various chemicals. Mosquito News 25(1):14-16.

HO, K. M., JUNG, K. and KO, H. L. 1965. The physiological age of *Anopheles hyrcanus sinensis* in the Canton area. Acta Ent. Sinica 14(1):46-52. In Shin., Engl. Sum.

KANTSUR, M. YA., ELIN, I. S. and RUBINOVA, Z. I. 1965. On the fauna and phenology of *Aedes* in some areas of Byelorussia. Med. Parazit.

i Parazit. Bolezni 34(1):22-24. In Rus., Engl. Sum.

LYSENKO, A. YA. and DANG VAN NGU. 1965. Investigations of epidemiology of malaria in North Viet-Nam. Communication III. Seasonal changes in the population of *Anopheles minimus* and their relationship with climatic factors. Med. Parazit. i Parazit. Bolezni 34(1):73-81. In Rus., Engl. Sum.

MARTINEZ-PALACIOS, A. 1964. Exophilic-exophagic behaviour of *A. (A.) apicimacula*, a presumed secondary malaria vector in Mexico. WHO Mal/Exp. Comm. 11/WP/25, 9 pp.

MOLEV, E. V. 1965. Flying bloodsucking Diptera (gnats) in cattle farms. Med. Parazit. i Parazit. Bolezni 34(1):112-113. In Rus., Engl. Sum. [Includes mosquitoes.]

MOROZOV, V. A. 1965. *Culex pipiens* L. mosquitoes feeding on human blood (in the vicinity of Krasnodar). Med. Parazit. i Parazit. Bolezni 34(1):24-29. In Rus.

MURPHEY, F. J. and BURBUTIS, P. P. 1964. Attractiveness of straw infusion to gravid female *Culex salinarius* Coq. N. J. Mosquito Extermin. Assoc. Proc. 51:107.

SHUMKOV, M. A. and POKROVSKY, O. S. 1965. Areas of concentration of *Aedes* mosquito larvae during mosquito control of floodlands under conditions of unusually high waters of the Don. Med. Parazit. i Parazit. Bolezni 34(1):107. In Rus.

SPIELMAN, A. 1964. Studies on autogeny in *Culex pipiens* populations in nature. I. Reproductive isolation between autogenous and an-autogenous populations. Amer. J. Hyg. 80(2):175-183.

SYUTKINA, K. A. and KOTELNIKOVA, G. M. 1965. On the fauna of bloodsucking Diptera in the region of the construction of the Ivdel—Ob Railway (North Ural). Zool. Zhur. 44(1):60-66. In Rus., Engl. Sum. [*Aedes*, *Culex*, *Culiseta*, *Anopheles* spp.]

TADZHIJEVA, V. S. 1965. Conditions conducive to mass emergence of mosquitoes in communities in newly developed lands of the Golodnaya Steppe. Med. Parazit. i Parazit. Bolezni 34(1):15-19. In Rus., Engl. Sum.

TEMPELIS, C. H., REEVES, W. C., BELLAMY, R. E. and LOFY, M. F. 1965. A three-year study of the feeding habits of *Culex tarsalis* in Kern County, California. Amer. J. Trop. Med. and Hyg. 14(1):170-177.

TRPIŠ, M. 1964. Rayonierung des quantitativen vorkommens von stechmücken in der Ostslowakei. Biológia 19(11):843-848.

VINOGRADOVA, E. B. 1965. Autogenous development of the ovaries in bloodsucking mosquitoes. Zool. Zhur. 44(2):210-219. In Rus., Engl. Sum. [Numerous *Aedes* spp. et al.]

WEIDHAAS, D. E., WOODARD, D. B., SCHMIDT, C. H. and FORD, H. R. 1965. Biology of *Anopheles quadrimaculatus* under field conditions in central Florida. Ent. Soc. Amer. Ann. 58(2):145-150.

## GENETICS

MASON, G. F. 1964. The causes of male sterility in *Anopheles gambiae* A-B group crosses. Riv. di Malariol. 43(4/6):185-190.

RISLER, H. 1964. Unterschiede in der paarung homologer chromosomen bei verschiedenen *Culex pipiens*-stammen und bei bastarden (prophase der somatischen reduktion). Z. f. Naturfors. 19b(10):935-937.

## ANATOMY, MORPHOLOGY AND PHYSIOLOGY

GIGLIOLI, M. E. C. 1964. The female reproductive system of *Anopheles gambiae melas*. II. The ovary. Riv. di Malariol. 43(4/6):265-275.

GILBY, A. R. 1965. Lipids and their metabolism in insects. Ann. Rev. Ent. 10:141-160. [Includes mosquitoes.]

HAPPOLD, D. C. D. 1965. A gynandromorph of *Aedes punctor* (Kirby) (Diptera: Culicidae) from Alberta. Canad. Ent. 97(2):204-206.

JONES, J. C. and LUDLAM, K. W. 1965. *Aedes aegypti* with four spermathecae. Mosquito News 25(1):67-68.

SPIELMAN, A. 1964. The mechanics of copulation in *Aedes aegypti*. Biol. Bul. 127(2):324-344.

## TECHNIQUES

AKOV, S. 1964. The aseptic rearing of *Aedes aegypti*. WHO Bul. 31(4):463-464.

ASAHINA, S. 1964. Food material and feeding procedures for mosquito larvae. WHO Bul. 31(4):465-466.

BAKER, R. H. 1964. Mating problems as related to the establishment and maintenance of laboratory colonies of mosquitoes. WHO Bul. 31(4):467-468.

BARR, A. R. and CHELLAPPAH, W. T. 1964. The colonization and laboratory maintenance of *Armigeres subalbatus* (Coquillett). WHO Bul. 31(4):439.

COLUZZI, M. 1964. Maintenance of laboratory colonies of *Anopheles* mosquitos. WHO Bul. 31(4):441-443.

CRAIG, G. B., JR. 1964. Applications of genetic technology to mosquito rearing. WHO Bul. 31(4):469-473.

DAYKIN, P. N. and KELLOGG, F. E. 1965. A two-air-stream observation chamber for studying responses of flying insects. Canad. Ent. 97(3):264-268. [Includes *Aedes aegypti*.]

FISHER, T. W. 1964. Shipping techniques for entomophagous insects. WHO Bul. 31(4):503-504.

FLANDERS, S. E. and BAY, E. C. 1964. Standardization of mass rearing procedures for entomophaga. WHO Bul. 31(4):505-507.

GAHAN, J. B. and SMITH, C. N. 1964. Problems connected with raising mosquitos in the laboratory. WHO Bul. 31(4):445-448.

GARAY, G. J. and HAGMANN, L. E. 1964. A preliminary report on the establishment of a

colony of aedine mosquitoes. N. J. Mosquito Extermin. Assoc. Proc. 51:114-117.

GILLET, J. D. 1964. Cluring methods for *Eretmapodites* mosquitoes. WHO Bul. 31(4):449.

HAEGER, J. S. and PROVOST, M. W. 1964. The laboratory colonization of *Opifex*. WHO Bul. 31(4):451-452.

HAMON, J. 1964. Observations sur l'emploi des moustiquaires-pièges pur la capture semi-automatique des moustiques. Soc. de Path. Exot. Bul. 57(3):576-588.

HOLMSTEDT, B. 1965. Manual propulsión micro-centrifuge. WHO/Mal/486.65. WHO/Vector Cont./107.65, WHO/VDT/RES/68.65. 13 pp., illus.

HOSOI, T. 1964. Problems of establishing and maintaining colonies of subspecies of *Culex pipiens*. WHO Bul. 31(4):453.

KRAMER, J. P. 1964. Parasites in laboratory colonies of mosquitos. WHO Bul. 31(4):475-478.

KRISHNAN, K. S. 1964. A note on colonization of *Culex*. WHO Bul. 31(4):455-456.

LAURENCE, B. R. 1964. The problem of stabilizing conditions of larval culture in mosquito colonies. WHO Bul. 31(4):457-458.

MAEGRAITH, B. G., FLETCHER, K. A., ANGUS, M. G. N. and THURNHAM, D. I. 1965. Biochemical and electron microscope studies in malaria. Roy. Soc. Trop. Med. and Hyg. Trans. 59(1):2.

MARTINEZ-PALACIOS, A. 1964. Maintenance of *Aedes aegypti* in the insectary in Mexico City. WHO Bul. 31(4):461-462.

McLINTOCK, J. 1964. The laboratory cultivation of *Culiseta*. WHO Bul. 31(4):459-460.

MUIRHEAD-THOMSON, R. C. 1964. Culture methods for Diptera using running water as a larval habitat. WHO Bul. 31(4):479-482.

OMRAM, L. A. M. 1965. 1. Exoerythrocytic schizonts of *Plasmodium* (*G.*) *pinottii* in canaries. 2. Successful infection of chick embryos by intravenous inoculation of *Plasmodium* (*G.*) *pinottii*. Roy. Soc. Trop. Med. and Hyg. Trans. 59(1):6.

PAUSCH, R. D. and PROVOST, M. W. 1965. The dispersal of *Aedes taeniorhynchus* IV. Controlled field production. V. A controlled synchronous emergence. Mosquito News 25(1):1-8; 9-14.

RAMAKRISHNAN, S. P., KRISHNAMURTHY, B. S. and SINGH, N. N. 1963. A simple technique for rapid separation of mosquito pupae by sudden chilling. Indian J. Malariol. 17(2/3):119-121. [Because of an error in make-up, pp. 120-121 appear before p. 119.]

RIORDAN, D. F. 1965. Method for obtaining large numbers of unmated *Aedes aegypti* (L.). Mosquito News 25(1):28-29.

SALITERNIK, Z. 1965. A simplified test for determining the effectiveness of field spraying operations against mosquitoes. Mosquito News 25(1):24-28.

SHUTE, P. G. and MARYON, M. 1964. An improved method of preparing Romanowsky

stains (with some hints on staining). WHO/Mal/478.64. 4 pp.

SMITH, T. L. 1965. A serviceable irradiator-shield device. Ent. Soc. Amer. Ann. 58(2):245-247.

VARGAS, L. 1964. El uso de mosquitos marcados para estudiar algunos problemas de poblaciones. Inst. Est. Méd. y Biol. Bol. 22(3):443-452. Engl. Sum.

WEATHERSBY, A. B. 1965. Parabiologic twinning of mosquitoes. Mosquito News 25(1):44-45.

WORLD HEALTH ORGANIZATION. 1965. WHO standard reference strain of *Culex pipiens fatigans* (srs/C. p. *fatigans*/1) and WHO marker strains of *Culex pipiens pipiens* (ms/C. p. *pipiens*/1-16). WHO/Vector Cont./114.65. 11 pp.

See also Peleg in Arbovirus Section.

### TAXONOMY

COLUZZI, M. 1964. Morphological divergences in the *Anopheles gambiae* complex. Riv. di Malariol. 43(4/6):197-232.

COZ, J. and HAMON, J. 1964. Le complexe *Anopheles gambiae* en Afrique Occidentale. Riv. di Malariol. 43(4/6):233-244. Engl. Sum.

DAVIDSON, G. 1964. The five mating-types in the *Anopheles gambiae* complex. Riv. di Malariol. 43(4/6):167-183.

DuBOISE, W. P. and CURTIN, T. J. 1965. Identification keys to the adult and larval mosquitoes of the Mediterranean area. J. Med. Ent. 1(4):349-355.

MATTINGLY, P. F. 1964. The *Anopheles gambiae* complex. Some introductory notes. Riv. di Malariol. 43(4/6):165-166.

PATERSON, H. E. 1964. Direct evidence for the specific distinctness of forms A, B, and C of the *Anopheles gambiae* complex. Riv. di Malariol. 43(4/6):191-196.

PAJOT, F. X. and ADAM, J. P. 1964. Notes morphologiques sur *Anopheles caroni* Adam, 1961 (Diptera-Culicidae). Soc. de Path. Exot. Bul. 57(3):626-637. Engl. Sum.

SRIVASTAVA, H. M. L., BHOMBRE, S. R. and ROY, R. G. 1964. Variations in the palpal bandings of *A. stephensi* Liston, 1901. Indian Soc. for Malaria and other Commun. Dis. Bul. 1(1/2):61-62.

### DISTRIBUTION

EADS, R. B., CAMPOS, E. G. and TREVINO, H. A. 1965. Mosquitoes recovered from Mexican ships entering quarantine at Brownsville, Texas. Mosquito News 25(1):64-65.

ISIMBEKOV, ZH. M. 1965. Species composition of bloodsucking mosquitoes in the town of Alma-Ata. Med. Parazit. i Parazit. Bolezni 34(1):111-112. In Rus., Engl. Sum.

RIoux, J. A., JUMINER, B. and KCHOUK, M. 1964. *Anopheles* (*A.*) *plumbeus* Stephens, 1928, *Aedes* (*O.*) *berlandi* Séguin, 1921 et *Aedes* (*F.*) *geniculatus* (Olivier, 1791): culicides nouveaux pour la Tunisie. Inst. Pasteur de Tunis Arch. 41(1):5-21.

WISEMAN, J. S. 1965. A list of mosquito species reported from Texas. *Mosquito News* 25(1):58-59.

### ENCEPHALITIS

HOTTA, S. and COWORKERS. 1964. Experimental infection of dogs with Japanese B encephalitis virus. *Acta Neuropath.* (Berlin) 3(5): 494-510.

——— and ———. 1964. Tissue culture studies on Japanese B encephalitis virus. IV. Viral growth curves in human tissue cultures. *Jap. Assoc. Infect. Dis. J.* 38(4):124-132.

JONKERS, A. H., DOWNS, W. G., SPENCE, L. and AITKEN, T. H. G. 1965. Arthropod-borne encephalitis viruses in northeastern South America. II. A serological survey of northeastern Venezuela. *Amer. J. Trop. Med. and Hyg.* 14(2):304-308.

KANDLE, R. P. 1964. Continued arbovirus research activities in New Jersey—1963. *N. J. Mosquito Extermin. Assoc. Proc.* 51:15-18.

NAGAI, K. and HAMMON, W. M. 1964. Plaque studies with certain group B arboviruses. I. Japanese B encephalitis virus strains on hamster kidney and chick embryo tissue culture. *Soc. Expt. Biol. and Med. Proc.* 117(1):154-159.

SMITH, T. J., MCKINNEY, R. W. and SAWYER, W. D. 1964. Isolation of Venezuelan equine encephalomyelitis virus by bone marrow culture. *Soc. Expt. Biol. and Med. Proc.* 117(1):271-275.

VENTURA, A. K. 1965. St. Louis encephalitis virus in Jamaican birds. *Amer. J. Trop. Med. and Hyg.* 14(2):297-303.

### FILARIASIS

ABADIE, S. H., SWARTZWELDER, J. C. and HOLMAN, R. L. 1965. A human case of *Dirofilaria immitis* infection. *Amer. J. Trop. Med. and Hyg.* 14(1):117-119.

BECKETT, E. B., MACDONALD, W. W. and BOOTHROYD, B. 1965. The histochemistry of *Aedes aegypti* infected with sub-periodic *Brugia malayi*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(1):4.

CHAROENLARB, P., SUCHARIT, S. and HARINASUTA, C. 1965. Plant hosts of *Mansonia* vectors of *Brugia malayi*. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(1):4.

CIFERRI, F., KESSEL, J. F., LEWIS, W. P. and RIEBER, S. 1965. Immunologic studies in onchocerciasis and bancroftian filariasis. I. Intracutaneous tests with antigens extracted from *Onchocera* and *Dirofilaria*. *Amer. J. Trop. Med. and Hyg.* 14(2):263-268.

EWART, A. 1965. Comparative migration of microfilariae and development of *Brugia pahangi* in various mosquitoes. *Amer. J. Trop. Med. and Hyg.* 14(2):254-259.

———. 1965. Exsheathment of the microfilariae of *Brugia pahangi* in susceptible and refractory mosquitoes. *Amer. J. Trop. Med. and Hyg.* 14(2):260-262.

HAWKING, F. 1965. Advances in filariasis especially concerning periodicity of microfilariae. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(1):9-21. [Discussion pp. 22-25.]

———, WORMS, M. J. and WALKER, P. J. 1965. The periodicity of microfilariae (*Edesofilaria*) into monkeys at a different phase of the circadian rhythm. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(1):26-41.

NILES, W. J., FERNANDO, M. A. and DISANAIKE, A. S. 1965. *Mansonia crassipes* as the natural vector of filarioids, *Plasmodium gallinaceum* and other plasmodia of fowls in Ceylon. *Nature* (London) 205(4969):411-412.

SINGH, D. and MAMMEN, M. L. 1964. Preliminary studies on the development of microfilariae of *Dirofilaria immitis* in the haemocoel of *Aedes aegypti*. *Indian Soc. for Malaria and other Commun. Dis. Bul.* 1(1/2):49-52.

### MALARIA

ABELE, D. C. and COWORKERS. 1965. Alterations in serum proteins and 19S antibody production during the course of induced malarial infections in man. *Amer. J. Trop. Med. and Hyg.* 14(2):191-197.

ACHUTHAN, C. 1964. Influence of dispensaries in catching-up fever cases in Mandya district, Mysore State. *Indian Soc. for Malaria and other Commun. Dis. Bul.* 1(1/2):19-29.

———, JAVARE GOWDA, J. L. and NANJUNDIAH, K. S. 1964. A note on the possible zone of influence of dispensaries in the detection of malaria positive cases, Tumkur district, Mysore State. (1961-1963). (An analysis in retrospect). *Indian Soc. for Malaria and other Commun. Dis. Bul.* 1(1/2):31-40.

BURKE-GAFFNEY, H. J. O'D. 1965. Summary of recent abstracts. III. Malaria. *Trop. Dis. Bul.* 62(3):161-170.

CURTAIN, C. C., GORMAN, J. G. and KIDSON, C. 1965. Malaria antibody and gamma-globulin levels in Melanesian children in New Guinea. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(1):42-45.

DOWLING, M. A. C. and SHUTE, G. T. 1965. The value of routine thick film examination in the diagnosis of scanty parasitaemias in the adult, semi-immune African. *WHO/Mal/485.65.* 11 pp.

FOLL, C. V. and PANT, C. P. 1965. The conditions of malaria transmission in Katsina Province, Northern Nigeria and a discussion of the effects of dichlorvos application. *WHO/Mal/487.65, WHO/Vector Cont./111.65.* 21 pp.

GARRETT-JONES, C. 1964. Prognosis for interruption of malaria transmission through assessment of the mosquito's vectorial capacity. *Nature* (London) 204(4964):1173-1175.

GORGAS MEMORIAL LABORATORY. 1965. Thirty-sixth annual report of the work and operations of the Gorgas Memorial Laboratory, fiscal year 1964. U. S. Congress 89th (1st session) House Doc. No. 10, 44 pp.

GORODNOVA, Z. V. 1965. A check of malarionogenic prognosis in some areas of the Volgograd region in the zone of the Tsymliansk water reservoir and V. I. Lenin Volgo-Don shipping canal. *Med. Parazit. i Parazit. Bolezni* 34(1):12-15. In Rus., Engl. Sum.

INDIAN SOCIETY FOR MALARIA AND OTHER COMMUNICABLE DISEASES. 1964. *Bul.* 1(1/2):1-108. [Formerly National Society of India for Malaria and other Mosquito-Borne Dis. Bul.]

JORDAN, H. B. 1964. Lizard malaria in Georgia. *J. Protozool.* 11(4):562-566. [*Plasmodium floridense.*]

KNOX, E. G. and MCGREGOR, I. A. 1965. Glucose-6-phosphate dehydrogenase deficiency in a Gambian village. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(1):46-58. [In connection with malaria.]

MASON, J. and CAVALIÉ, P. 1964. Malaria epidemic in Haiti following a hurricane. *WHO/Mal/483.64.* 17 pp. Also *WHO/Mal/483.64 Add 1* (maps and graphs omitted from original).

MCGREGOR, I. A. 1965. Consideration of some aspects of human malaria. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(2):145-152.

MEHTA, N. D., PATEL, T. B., MOJAMDAR, V. G. and BANERJEE, A. N. 1964. An outbreak of malaria in the Bavli Forest area of Surat district in Gujarat State. *Indian Soc. for Malaria and other Commun. Dis. Bul.* 1(1/2):41-48.

RACHOU, R. G., LYONS, G., MOURA-LIMA, M. and KERR, J. A. 1965. Synoptic epidemiological studies of malaria in El Salvador. *Amer. J. Trop. Med. and Hyg.* 14(1):1-62.

ROBERTS, J. M. D. 1964. The control of epidemic malaria in the highlands of western Kenya. Part III. After the campaign. *J. Trop. Med. and Hyg. (London)* 67(9):230-237.

SEN, R. N. and AZEEZ, S. A. 1963. History of malaria and its control in different coalfields of India. A review of 15 years in retrospect. *Indian J. Malariol.* 17(2/3):157-178.

SHIPITSINA, N. K. 1964. Transmission season and the zones of malaria in the Soviet Union. In *Problems of medical parasitology and prevention of infectious diseases.* Pp. 258-276, Moscow. In Rus., Engl. Sum.

SKIRROW, M. B. and MAEGRAITH, B. G. 1964. The circulation in malaria. I. Portal angiography in the normal rabbit and monkey (*Macaca mulatta*). *Ann. Trop. Med. and Parasitol.* 58(4):491-501.

TIBURSKAYA, N. A. and COWORKERS. 1965. A case of long-term carrier state of quartan malaria parasites. *Med. Parazit. i Parazit. Bolezni* 34(1):81-83. In Rus., Engl. Sum.

WOLFE, H. L. 1965. Epidemiological data concerning one year of a malaria surveillance pilot project in Southern Rhodesia. *Corrigenda.* *WHO/Mal/466 Corr. 1.65.* 1 p.

ZULUETA, J. DE and GARRETT-JONES, C. 1965. An investigation of the persistence of malaria in Mexico. *Amer. J. Trop. Med. and Hyg.* 14(1):63-77.

### Malaria—Eradication

ALVARADO, C. A. and FARID, M. A. 1964. The epidemiology of malaria under the impact of eradication attack. *Riv. di Malariol.* 43(4/6):277-282.

BRUCE-CHWATT, L. J. 1964. Eradication of malaria in Africa. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 105-114, Moscow. In Rus., Engl. Sum.

———. 1965. Malaria research for malaria eradication. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(2):105-137. [Discussion pp. 138-144.]

CIUCA, M. 1964. Organization of scientific research within the programs of malaria eradication. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 239-257, Moscow. In Rus., Engl. Sum.

DUKHANIANA, N. N. and COWORKERS. 1964. Time required for eradication of malaria in different types of foci and with different types of measures applied. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 115-130, Moscow. In Rus., Engl. Sum.

EROKIN, N. M. and VERENKOV, I. K. 1964. Malariological situation in the zone of Novosibirsk Water Reservoir during its construction and first years of formation. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 131-142, Moscow. In Rus., Engl. Sum.

MARKOVICH, N. YA. and SHIPITSINA, N. K. 1965. Main problems of entomological control during the period of malaria eradication in the USSR. Observations of *Anopheles* populations after termination of insecticide application indoors. *Communication I. Med. Parazit. i Parazit. Bolezni* 34(1):7-11. In Rus.

MASTBAUM, O. 1965. Some problems of malaria eradication in Africa with special reference to the South-East African region. *Cent. Afr. J. Med.* 11(2):34-38.

NABOKOV, V. A., MITROFANOV, A. M. and LARYUKHIN, M. A. 1964. Results of use of DDT and hexachloride for malarial mosquito eradication in communities with highly developed silkworm breeding. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 160-170, Moscow. In Rus., Engl. Sum.

PAMPANA, E. J. 1964. Degree of danger of malaria foci, its rapid assessment during the consolidation phase of a malaria eradication campaign. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 181-186, Moscow. In Rus., Engl. Sum.

SHARKOVA, K. D. 1964. Eradication of malaria in the city of Volgograd. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 277-283, Moscow. In Rus., Engl. Sum.

ZIMA, G. G. 1964. The story of malaria eradication in Volgograd region. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 143-152, Moscow. In Rus., Engl. Sum.

*Malaria—Plasmodia*

BECKMAN, H. 1964. Effect of skin temperature on infectibility of *Plasmodium gallinaceum* sporozoites in the chick. Soc. Expt. Biol. and Med. Proc. 117(1):135-137.

BENNETT, G. F. and WARREN, M. 1965. Transmission of a new strain of *Plasmodium cynomolgi* to man. J. Parasitol. 51(1):79-80. ["M" strain.]

NEMIROVSKAYA, A. I., PAVLOVA, E. A., STEPENKO, A. S. and GLUSHKOVA, M. R. 1965. The detection of *Plasmodium ovale* in Moscow in persons infected in West Africa. Med. Parazit. i Parazit. Bolezni 34(1):83-91. In Rus., Engl. Sum.

SODEMAN, W. A., JR. and JEFFERY, G. M. 1965. Immunofluorescent studies of *Plasmodium berghei*: a "natural" antibody in white mice. Amer. J. Trop. Med. and Hyg. 14(2):187-190.

TIBURSKAYA, N. A. 1964. Description of strains of *Plasmodium vivax* agent of tertian malaria producing manifestations after a prolonged incubation period. In Problems of medical parasitology and prevention of infectious diseases. pp. 187-201, Moscow. In Rus., Engl. Sum.

*Malaria—Simian*

BHABANI, A. R. and MAEGRAITH, B. G. 1965. Study of pharmacologically active polypeptides in *P. knowlesi* infection of rhesus monkeys. Roy. Soc. Trop. Med. and Hyg. Trans. 59(1):1.

CHONGSUPHAJASIDDHI, T. and SKIRROW, M. B. 1965. Circulatory changes in *P. knowlesi* malaria. Roy. Soc. Trop. Med. and Hyg. Trans. 59(1):1-2.

COLLINS, W. E. and COWORKERS. 1965. Fluorescent antibody reactions against six species of simian malaria in monkeys from India and Malaysia. J. Parasitol. 51(1):81-84.

DISSANAIKE, A. S. 1964. Simian malaria parasites of Ceylon. WHO/Mal/479.64. 6 pp.

KUO, M. 1964. Some observations on the effect of splenectomy upon the Taiwan monkey (*Macaca cyclopis*) infected with *Plasmodium inui*. Formosan Med. Assoc. J. 63(4):214-221.

MIGASEMA, P. and MAEGRAITH, B. G. 1965. The blood-brain barrier in *P. knowlesi* infection. Roy. Soc. Trop. Med. and Hyg. Trans. 59(1):2.

SKIRROW, M. B., CHONGSUPHAJASIDDHI, T. and MAEGRAITH, B. G. 1964. The circulation in malaria. II. Portal angiography in monkeys (*Macaca mulatta*) infected with *Plasmodium knowlesi* and in shock following manipulation of the gut. Ann. Trop. Med. and Parasitol. 58(4):502-510.

*Malaria—Therapeutics and Antimalarials.*

BREWER, G. J., POWELL, R. D., SWANSON, S. H. and ALVING, A. F. 1964. Hemolytic effect of primaquine. XVII. Hexokinase activity of glucose-6-phosphate dehydrogenase-deficient and normal erythrocytes. J. Lab. and Clin. Med. 64(4):601-612.

GOLDIN, A. and HAWKING, F. (Editors). 1964. Advances in chemotherapy. Vol. 1. 579 pp., New York and London.

KADYR-ZADE, N. D. and GEN, G. E. 1964. Two cases of calcification of soft tissues following therapeutic quinine injections. Vestn. Rentgen. Radiol. 39(2):77. In Rus.

LAING, A. B. G. 1964. Antimalarial effect of sulphorhodimethoxine (Fanasil). Brit. Med. J. 5422:1439-1440.

LOSEV, O. L., PRISYAGINA, L. A. and FROLTSOVA, A. E. 1964. Treatment of tertian malaria with the use of quiniocid at Badalan Medical Station, Massalin district, the Azerbajhan SSR. In Problems of medical parasitology and prevention of infectious diseases. pp. 153-159, Moscow. In Rus., Engl. Sum.

MEUWISSEN, J. H. E. T. 1964. The use of medicated salt in an antimalaria campaign in West New Guinea. Trop. and Geog. Med. 16(3):245-255.

POKROVSKY, S. N., MITARNOVSKY, V. M. and LEIZERMAN, L. I. 1964. Prophylaxis of malaria during construction of the Volga hydroelectric power plant and Tsymlyansk hydroelectric station. In Problems of medical parasitology and prevention of infectious diseases. pp. 171-180, Moscow. In Rus., Engl. Sum.

RAMAKRISHNAN, S. P., BASU, P. C., SINGH, H. and WATTAL, B. L. 1963. A study on the joint action of diamino-diphenylsulphone (DDS) and pyrimethamine in the sporogony cycle of *Plasmodium gallinaceum*: potentiation of the sporontocidal activity of pyrimethamine by DDS. Indian J. Malariol. 17(2/3):141-148.

STAVROVSKAYA, V. I. and BEKHLI, A. F. 1964. Studies in the field of antimalaria drugs. In Problems of medical parasitology and prevention of infectious diseases. pp. 202-222, Moscow. In Rus., Engl. Sum.

THOMPSON, P. E., BAYLES, A., OLSZEWSKI, B. and WAITZ, J. A. 1965. Studies on a dihydro-triazine and a sulfone, alone and in combination, against *Plasmodium berghei* in mice. Amer. J. Trop. Med. and Hyg. 14(2):198-206.

*Malaria—Resistance to Antimalarials*

BENAZET, F. 1964. Résistance croisée de *P. gallinaceum* vis-à-vis du proguanil et de son métabolite triazinique actif. Soc. de Path. Exot. Bul. 57(3):371-375. Engl. Sum.

PETERS, W., FLETCHER, K. A. and STAÜBLI, W. 1965. Phagotrophy and pigment formation in a chloroquine-resistant strain of *Plasmodium berghei*. Roy. Soc. Trop. Med. and Hyg. Trans. 59(1):2.

RABINOVICH, S. A. 1965. The evaluation of the drug haloquine (cycloquine) in laboratory experiments. Communication II. On the possibility of the emergence of resistance in malaria parasites to haloquine. Med. Parazit. i Parazit. Bolezni 34(1):91-97. In Rus., Engl. Sum.

WORLD HEALTH ORGANIZATION. 1965. Resistance of malaria parasites to drugs. Report of



a WHO scientific group. WHO Tech. Rpt. Ser. 296:1-65.

#### Malaria—Vectors

MOORHOUSE, D. E. and Wharton, R. H. 1965. Studies on Malayan vectors of malaria; methods of trapping, and observations on biting cycles. *J. Med. Ent.* 1(4):359-370.

#### YELLOW FEVER

BURKE-GAFFNEY, H. J. O'D. 1965. Summary of recent abstracts. II. Yellow fever. *Trop. Dis. Bul.* 62(2):73-75.

GROOT, H. and GAST-GALVIS, A. 1965. Observaciones sobre la vacuna de virus 17D contra fiebre amarilla aplicada por escarificación cutánea. *Bol. Ofic. Sanit. Panamer.* 58(2):106-122. Engl. Sum.

LITWIN, J. 1964. Growth of 17D yellow fever virus and factors influencing its transmission within cell cultures in vitro. *Acta Path. Microbiol. Scand.* 61(4):605-618.

#### ARBOVIRUSES

BEN-PORATH, E., FATTAL, B., GOLDBLUM, N. and YOFE, J. 1965. Occurrence of antibodies to Sindbis virus in children from a West Nile endemic area. *Israel J. Med. Sciences* 1(1):88-90.

COLLINS, W. E., HARRISON, A. J. and SKINNER, J. C. 1965. Studies on the transmission of Semliki Forest virus by *Anopheles freeborni*, *A. stephensi*, *A. labranchiae atroparvus* and *A. sundaicus*. *Mosquito News* 25(1):54-57.

DOBZYNSKI, L., WRÓBLEWSKA-MULARCZYKOWA, Z. and TAYTSCH, Z. F. 1964. A search for arbor viruses previously not known to occur in Poland. IV. Virologic and serologic studies in the Kampinos Forest. *Przegląd Epidemiol.* 18(4):401-409. In Pol., Engl. Sum.

KOLMAN, J. M. and COWORKERS. 1964. The isolation of Tahyna virus from the mosquito *Aedes vexans* in southern Moravia. *J. Hyg. Epidemiol. Microbiol. and Immunol. (Praha)* 8(3):380-386.

KOZŁOWSKI, S., SZYMAŃSKI, S., ZOLTOWSKI, Z. and ZUKOWSKI, K. 1964. A search for arbor viruses previously not known to occur in Poland. III. Preliminary arachnoentomologic study of the Kampinos Forest and adjoining areas. *Przegląd Epidemiol.* 18(4):391-399. In Pol., Engl. Sum.

MACDONALD, W. W., SMITH, C. E. G. and WEBB, H. E. 1965. Arbovirus infections in Sarawak: observations on the mosquitoes. *J. Med. Ent.* 1(4):335-347.

MYERS, R. M., CAREY, D. E., RODRIGUES, F. M. and KLONTZ, C. E. 1964. The isolation of dengue type 4 virus from human sera in South India. *Indian J. Med. Res.* 52(6):559-565.

PAVRI, K. M. 1964. Presence of chikungunya antibodies in human sera collected from Calcutta and Jamshedpur before 1963. *Indian J. Med. Res.* 52(7):698-702.

—, BANERJEE, G., ANDERSON, C. R. and AIKAT, B. K. 1964. Virological and serological studies of cases of haemorrhagic fever in Calcutta: material collected by the Institute of Post-graduate Medical Education and Research (IPGME), Calcutta. *Indian J. Med. Res.* 52(7):692-697. [*Aedes*.]

PAVLOVSKY, E. N. 1964. What is the essence of the circulation of the causative agent of an arthropod-borne disease in its natural focus and stages of prophylaxis of such diseases. In *Problems of medical parasitology and prevention of infectious diseases*. pp. 87-96, Moscow. In Rus., Engl. Sum.

PELEG, J. 1965. Infection of mosquito larvae by arboviruses. *Amer. J. Trop. Med. and Hyg.* 14(1):158-164.

RAMACHANDRA RAO, T. 1964. Vectors of dengue and chikungunya viruses: a brief review. *Indian J. Med. Res.* 52(7):719-726.

— and ANDERSON, C. R. 1964. Concluding review on the papers on the outbreak of febrile illness with haemorrhagic manifestations in Calcutta. *Indian J. Med. Res.* 52(7):727-734.

SARKAR, J. K. and COWORKERS. 1964. Virological and serological studies of cases of haemorrhagic fever in Calcutta. Material collected by the Calcutta School of Tropical Medicine. *Indian J. Med. Res.* 52(7):684-691. [*Aedes aegypti* included.]

SHAH, K. V. and COWORKERS. 1964. Laboratory studies of transmission of chikungunya virus by mosquitoes: a preliminary report. *Indian J. Med. Res.* 52(7):703-709.

SHAH, K. V., GIBBS, C. J., JR. and BANERJEE, G. 1964. Virological investigation of the epidemic of haemorrhagic fever in Calcutta: isolation of three strains of chikungunya virus. *Indian J. Med. Res.* 52(7):676-683.

VARGAS, L. 1964. Comentario al trabajo "distribucion de los virus arbor en las Americas." *Gac. Méd. de Mexico* 90(8):869-871.

WATTAL, B. L. 1964. A note on *Aedes* survey of Calcutta following an outbreak of haemorrhagic fever in July 1963. *Indian J. Med. Res.* 52(7):710-718.

WILLIAMS, M. C., WOODALL, J. P. and GILLET, J. D. 1965. O'nyong-nyong fever: an epidemic virus disease in East Africa. VII. Virus isolations from man and serological studies up to July 1961. *Roy. Soc. Trop. Med. and Hyg. Trans.* 59(2):186-197.

WOODALL, J. P., WILLIAMS, M. C., CORBET, M. C. and HADDOW, A. J. 1964. The isolation of Sindbis virus from the mosquito *Mansonia (Coquillettia) fuscopennata* (Theobald) in Uganda. *Ann. Trop. Med. and Parasitol.* 58(4):383-389.

WRÓBLEWSKA-MULARCZYKOWA, Z., ZÓLTOWSKI, Z. and Dobrzyński, L. 1964. A search for arbor viruses previously not known to occur in Poland. II. Serologic and virologic studies in selected environments of Warsaw and Białystok Provinces. *Przegląd Epidemiol.* 18(4):381-390. In Pol., Engl. Sum.

WRÓBLEWSKA-MULARCZYKOWA, Z. and TAYTSCH, Z. F. 1964. A search for arbor viruses previously not known to occur in Poland. V. A preliminary study of the routes of invasion of new arbor viruses in this country. *Przegląd Epidemiol.* 18(4):411-417. In Pol., Engl. Sum.

#### LIGHT AND OTHER TRAP STUDIES

BREELAND, S. G. and PICKARD, E. 1965. The Malaise trap—an efficient and unbiased mosquito collecting device. *Mosquito News* 25(1):19-21.

JAMES, H. G. and REDNER, R. L. 1965. An aquatic trap for sampling mosquito predators. *Mosquito News* 25(1):35-37. illus.

KING, E. W., PLESS, C. D. and REED, J. K. 1965. An automatic sample-changing device for light-trap collecting. *J. Econ. Ent.* 58(1):170-172.

STANDFAST, H. A. 1965. A miniature light trap which automatically segregates the catch into hourly samples. *Mosquito News* 25(1):48-53. illus.

See also Hamon in Techniques Section.

#### LITERATURE REFERENCES AND REVIEWS

DUKHANINA, N. N. 1965. Soviet literature on problems of medical parasitology and parasitic diseases in 1964. *Med. Parazit. i Parazit. Bolezni* 34(1):118-123. In Rus. [Malaria and mosquitoes included.]

SOLLERS-RIEDEL, H. 1964. The 1963 worldwide mosquito situation. *N. J. Mosquito Extermin. Assoc. Proc.* 51:18-49.

— 1965. References to literature of in-

terest to mosquito workers and malariologists. *Mosquito News* 25(1):76-84.

#### SUBJECTS NOT COVERED BY OTHER HEADINGS

MURRAY, W. D. and PECK, T. D. 1965. Vector control experts from all the world lend advice to Californians during 33rd CMCA conference. *Pest Control* 33(3):94, 97, 98. [Includes mosquitoes.]

PEST CONTROL. 1965. Directory of pesticides. *Pest Control* 33(3):60-62, 65, 68, 70, 72-76, 78, 80-82, 84-87.

REHN, J. W. H. 1964. Mosquito control at U. S. Navy Activities in the Middle Atlantic States. *N. J. Mosquito Extermin. Assoc. Proc.* 51:126-129.

STARNEs, O. 1964. The experiment station in environmental science. *N. J. Mosquito Extermin. Assoc. Proc.* 51:10-14.

TAREEV, E. M., OZERETSKOVSKAYA, N. N. 1964. Aspects of investigation on the clinical course of parasitic diseases for 30 years. In *Problems of medical parasitology and prevention of infectious diseases.* pp. 97-102, Moscow. In Rus., Engl. Sum.

#### ERRATA

In *Mosquito News* 24(1):88 in Malaria—Plasmodia Section under Adler change Israel J. Expt. Med. 2 to read 11; 24(4):469 in Anatomy, Morphology and Physiology Section under Corbet change Bcl to read Bul.; 24(4):470 in Distribution Section under Mouchet change Recher ches to read Recherches.

### NORTHWEST MOSQUITO & VECTOR CONTROL ASSOCIATION

Oregon      Washington      Idaho      British Columbia

**Fifth Annual Meeting, September 28-29, 1965**

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