

## REFERENCES TO LITERATURE OF INTEREST TO MOSQUITO WORKERS AND MALARIOLOGISTS

HELEN SOLLERS

Plant Pest Control Division, Agricultural Research Service, United States Department of Agriculture, Washington 25, D. C.

### AERIAL APPLICATION

ROGERS, A. J. and RATHBURN, C. B., JR. 1960. Airplane application of granular paris green mosquito larvicide. *Mosquito News* 20(2):105-110.

### ADULTICIDES AND LARVICIDES

BEKLEMISHEV, W. N. and RASHINA, M. G. 1960. (Editors). Experiments on the use of residual contact insecticides in the control of malaria in the southern regions of the USSR. *Trudy Inst. Med. Parazit. i Trop. Med.* 395 pp., Novosibirsk. In Rus. [See Malaria Section for listing of individual papers from this work.]

BUSVINE, J. R. 1960. Use of pyrethrum spraying for malaria control. *WHO Bul.* 22(5):593-95.

FALES, J. H., BODENSTEIN, O. F. and BURALL, R. K. 1960. Effectiveness of pyrethrum sprays against mosquitoes and house flies in darkness and light. *Mosquito News* 20(2):188.

GINSBURG, J. M. 1960. Protection of outdoor gatherings from insect pests. *Pest Control* 28(5):10, 12, 14-15. [Includes mosquitoes.]

HECHT, O. and CHAPA SALDAÑA, H. 1960. Informe de las investigaciones sobre la efectividad del Diazinon. *CNEP Bol. (Mexico)* 4(1):41-55. (Engl. Sum.)

LEWALLEN, L. L. and GJULLIN, C. M. 1960. Mosquito larvicide field tests in irrigated pastures of the San Joaquin Valley, California. *Mosquito News* 20(2):168-170.

MSANGI, A. S. 1959. The value of a spreading agent in larvicidal formulations containing DDT. *WHO Bul.* 21(6):773-778.

QUILLICI, M. 1959. Contribution à l'étude de la sensibilité aux insecticides d'*Anopheles maculipennis* dans la région de Porto-Vecchio. *Soc. de Path. Exot. Bul.* 52(6):733-736. [DDT and DHC.]

PAL, R. 1960. Use of pyrethrum in vector control. *WHO Bul.* 22(5):595-599. [Includes mosquitoes.]

PE, U. T. and RAO, V. V. 1960. Dieldrin spraying operations in the Arakan region of Burma with special reference to precautions taken against toxic hazards. *WHO Bul.* 22(5):582-584.

RAI, L. and LEWALLEN, L. L. 1960. Laboratory studies of residual toxic effects of malathion granules on *Culex pipiens quinquefasciatus* Say larvae. *Mosquito News* 20(2):184-186.

SOPER, F. L. 1959. Introduction of DDT to Italy, 1943-1945. *Riv. di Parassitol.* 20(4):403-409.

WRAY, F. C. 1960. More about *Culex*. *Mosquito News* 20(2):125-126.

### VARIOUS TYPES OF CONTROL

CALIFORNIA MOSQUITO CONTROL ASSOCIATION, INC. 1960. Yearbook, 39 pp.

TOLEDO AREA SANITARY DISTRICT 1959. 1960. Thirteenth annual report. 12 pp., Toledo, Ohio.

### PARASITES AND PREDATORS

EHRlich, S. and SPIELBERG, D. 1960. Alteration of the environment of *Anopheles* larvae by nutria in the Naaman swamps, Acre District, Israel. *Amer. Jour. Trop. Med. and Hyg.* 9(3):265-268.

KELLEN, W. R. 1960. The control of mosquitoes by pathogenic microorganisms. *Mosquito News* 20(2):133-135.

— and LIPA, J. J. 1960. *Thelohania californica* n. sp., a microsporidian parasite of *Culex tarsalis* Coquillett. *Jour. Insect. Path.* 2(1):1-12.

LAIRD, M. 1960. Microbiology and mosquito control. *Mosquito News* 20(2):127-133.

### EQUIPMENT

CORRY, J. A. and FOX, D. R. 1959. Plastic film ditch liners. *Calif. Vector Views* 6(10):63-65.

HILSENHOFF, W. L. 1960. Treating water areas with granular insecticides. *Mosquito News* 20(2):187-188.

PEST CONTROL. 1960. 1960 pest control equipment directory. *Pest Control* 28(5):26-56, passim.

### RESISTANCE AND SUSCEPTIBILITY

BELIOS, G. D. 1960. DDT resistance in *A. sacharovi* and control in Greece. *Riv. di Malariol.* 39(1/3):1-19. In Engl.

BROWN, A. W. A. 1960. Development and mechanism of insect resistance to available toxicants. *Soap and Chem.-Spec.* 36(1):87-89, 217. [Includes mosquitoes.]

—, 1960. Past, present and future in insecticide-resistance of mosquitoes. *Mosquito News* 20(2):110-115.

— and ABEDI, Z. H. 1960. Cross-resistance characteristics of a malathion-tolerant strain developed in *Aedes aegypti*. *Mosquito News* 20(2):118-124.

EVANS, B. R., PORTER, J. E., KOZUCHI, G. and FINK, E. J. 1960. Susceptibility levels of some *Aedes aegypti* (Linn.) larvae to DDT and dieldrin. Mosquito News 20(2):116-118.

FONTAN, R. and FAURAN, P. 1959. Apparition en Guyane Française d'une souche d'*Aedes aegypti* résistant au D.D.T. Inst. Pasteur de la Guyane Franç. et de l'Inini Arch. Pub. No. 455, 8 pp.

FOX, I. 1960. La resistencia del *Aedes aegypti* a ciertos insecticidas de hidrocarburos colorados y de fosfato organico en Puerto Rico. Bol. Ofic. Sanit. Panamer. 48(5):375-382. Engl. Sum.

GARMS, R. 1959. Die empfindlichkeit von *Anopheles atroparvus* und *A. stephensi* (larven und imagines) gegenüber DDT in Abhängigkeit von alter, ernährung und populationsdichte. Ztschr. f. Tropenmed. u. Parasitol. 10(4):426-441. Engl. Sum.

HASSETT, C. C. 1959. Problems in the control of disease vectors. U. S. Armed Forces Med. Jour. 10(9):1046-1050.

MACDONALD, G. 1959. The dynamics of resistance to insecticides by anophelines. Riv. di Parasitol. 20(4):305-315.

MATHIS, W., KILPATRICK, J. W. and JOHNSON, H. F. 1960. DDT resistance in *A. quadrimaculatus*. U. S. Pub. Health Rpts. 75(5):387-390.

MICKS, D. W. 1960. Insecticide-resistance: a review of developments in 1958 and 1959. WHO Bul. 22(5):519-529.

MOUGHET, J. and CAVALIE, P. 1959. Apparition, dans la zone de campagne antipaludique du Nord-Cameroun, d'une souche d'*Anopheles gambiae* résistante a la dieldrine. Soc. de Path. Exot. Bul. 52(6):736-741.

RAHMAN, J., ROY, M. L. and SINGH, K. 1959. Development of increased tolerance to D.D.T. in *A. culicifacies* Giles in the Panch Mahal district of Bombay State (India). Indian Jour. Malariol. 13(2/3):125-130.

RAMAKRISHNA, V. and ELLIOTT, R. 1960. The vectorial capacity of an insecticide-resistant and a susceptible strain of *A. gambiae* in northern Nigeria. WHO/Mal/259, WHO/Insect./106, 8 pp.

RIVOSECCHI, L., ASCHER, K. R. S. and MOSNA, E. 1960. Studies on insecticide-resistant anophelines. VI. Sex of larvae and chromosome arrangement in *A. utroparvus*. WHO/Mal/263, WHO/Insect./109, 20 pp.

ROZEBOOM, L. E. and HOBBS, J. 1960. Inheritance of DDT resistance in a Philippine population of *Culex pipiens fatigans* Wied. WHO Bul. 22(5):587-590.

## INSECTICIDES AND CHEMICALS

BAMI, H. L. and DHATT, M. S. 1959. Studies on particle size distribution in relation to dispersibility. Part II. 75 per cent dieldrin water dispersible powders and general characteristics of insecticide water dispersible powders. Indian Jour. Malariol. 13(2/3):131-136.

KAZHDAN, V. B. 1960. Dichlorodiphenyl methylcarbinol as a synergist for DDT. Med. Parazit. i Parazit. Bolezni 29(2):223-226. I. Rus., Engl. Sum.

KUHLLOW, F. 1960. Bio-assays on DDT sprayed walls in native huts. Ztschr. f. Tropenmed. u. Parasitol. 11(1):57-60.

MULLA, M. S. and AXELROD, H. 1960. Effect of temperature on rate of release of toxicant from granules and on breakdown of certain insecticides in water. Mosquito News 20(2):178-181.

RICHARD, C. 1959. A propos de la détermination de l'aptitude à se mettre en suspension de concentrés de poudre de DDT dispersables dans l'eau. WHO Bul. 21(6):785-787.

SHEPARD, H. H., MAHAN, J. N. and GRAHAM, C. A. 1960. The pesticide situation for 1959-1960. Comm. Stabil. Serv., USDA, 21 pp. Washington, D. C.

## TOXICOLOGY

KLAASSEN, H. E., KRAUSE, G. F. and ROACH, C. C. 1959. Some possible effects of malathion and EPN on mice. Kans. Ent. Soc. Jour. 32(4):183-188.

LEBRUN, A. and CERF, C. 1960. Note préliminaire sur la toxicité pour l'homme d'un insecticide organophosphoré (Dipterex). WHO Bul. 22(5):579-582.

## BEHAVIOR, BIOLOGY AND ECOLOGY

DABROWSKA, E. 1959. Activity of mosquitoes over a period of 24 hours and controlling factors. Ekol. Polska, Ser. A. 7(8):221-254. In Pol. Engl. Sum.

FOX, I., BOIKE, A. H., JR. and GARCIA-MOLL, I. 1960. Notes on rock hole breeding and resistance of *Aedes aegypti* in Puerto Rico. Amer. Jour. Trop. Med. and Hyg. 9(4):425-429.

GOMA, L. K. H. 1960. The swamp-breeding mosquitoes of Uganda: records of larvae and their habitats. Bul. Ent. Res. 51(1):77-94.

HAEGER, J. S. 1960. Behavior preceding migration in the salt-marsh mosquito, *Aedes taeniorhynchus* (Wiedemann). Mosquito News 20(2):136-147.

HARWOOD, R. F. and HALFHILL, J. E. 1960. Mammalian burrows and vegetation as summer resting sites of the mosquitoes *Culex tarsalis* and *Anopheles freeborni*. Mosquito News 20(2):174-178.

LAMBRECHT, F. L. and ZAGHI, A. 1960. Observations sur la ponte des culicides dans la forêt ombrophile d'Irangi, Congo Belge. Rev. Zool. et de Bot. Afr. 6(1/2):87-97.

LAURENCE, B. R. 1959. Oviposition by *Mansonioides* mosquitoes in the Gambia, West Africa. Roy. Ent. Soc. London Proc. Ser. A. 34(10/12):161-170.

MAFFI, M. 1960. Focolaio larvale di *A. gambiae* et di *A. squamosus* in raccolta d'acqua salata, a Busc Busc (fascia costiera del basso

ltre Giuba). Primo reperto in Somalia. Riv. di Malariol. 39(1/3):131-133. Engl. Sum.

MURRHEAD-THOMSON, R. C. 1960. The winter activities of *A. gambiae* at high altitudes in Southern Rhodesia. WHO/Mal/261, 8 pp.

NAKATA, G. and ONO, T. 1959. Observations on the succession of mosquito fauna breeding in the natural and semi-artificial springs about Kyoto, Japan. Sanit. Inj. Insects 4(7):82-89. In Jap., Engl. Sum.

———. 1959. Observations on the succession of mosquito fauna through a whole year in the pond about Kyoto City. Sanit. Inj. Insects 4(9):101-110. In Jap., Engl. Sum.

NIELSEN, L. T. 1959. Seasonal distribution and longevity of Rocky Mountain snow mosquitoes of the genus *Aedes*. Utah Acad. Proc. 36:83-87.

PARKER, A. C. M. and ROZEBOOM, L. E. 1960. The effect of temperature and illumination on the mating of *Culex pipiens pipiens* L. and *C. p. nigans* Wied. Amer. Jour. Trop. Med. and Hyg. 9(3):331-335.

PEÑA DE GRIMALDO, E. and LAVOPIERRE, M. M. J. 1960. Longevidad de los mosquitos *Aedes aegypti* variedad *queenslandensis* fecundados y no fecundados, alimentados con sangre o privados de ella; y dejados en ayuno; o proveídos de agua; o solución de azúcar; o de agua y solución de azúcar. Rev. Ibérica de Parasitol. 20(1):39-52. Engl. Sum.

PROVOST, M. W. 1960. The dispersal of *Aedes seniorhynchus*. III. Study methods for migratory exodus. Mosquito News 20(2):148-161.

WEITZ, B. 1960. Feeding habits of blood-sucking arthropods. Expt. Parasitol. 9(1):63-82. Mosquitoes included.]

WEYER, F. 1959. Über schwankungen in der Zusammensetzung natürlicher *Anopheles*-populationen in Deutschland. Riv. di Parasitol. 20(4):335-444. Engl. Sum.

#### GENETICS

CASPARI, E. and WATSON, G. S. 1959. On the evolutionary importance of cytoplasmic sterility in mosquitoes. Evolution 13(4):568-570.

KITZMILLER, J. B. 1959. Race formation and speciation in mosquitoes. Cold Spring Harbor Symposia Quantit. Biol. 24:161-165.

——— and LAVEN, H. 1959. Current concepts of evolutionary mechanisms in mosquitoes. Cold Spring Harbor Symposia Quantit. Biol. 24:173-175.

LAVEN, H. 1959. Speciation by cytoplasmic isolation in the *Culex pipiens*-complex. Cold Spring Harbor Symposia Quantit. Biol. 24:166-173.

#### ANATOMY, MORPHOLOGY AND PHYSIOLOGY

CHEN, P. S. 1959. Studies on the protein metabolism of *Culex pipiens* L. III. A comparative analysis of the protein contents in the larval hemolymph of autogenous and anautogenous forms. Jour. Insect Physiol. 3(4):335-344.

HOSOI, T. 1959. Identification of blood components which induce gorging of the mosquito. Jour. Insect Physiol. 3(3):191-218.

HUDSON, A., BOWMAN, L. and ORR, C. W. M. 1960. Effects of absence of saliva on blood feeding by mosquitoes. Science 131(3415):1730-1731.

JONES, J. C. 1960. The anatomy and rhythmic activities of the alimentary canal of *Anopheles* larvae. Ent. Soc. Amer. Ann. 53(4):459-474.

LAMBREMONT, E. N. 1959. A study of acid phosphatase of the mosquito *Aedes aegypti* L. Jour. Insect. Physiol. 3(4):325-334.

MICKS, D. W., FERGUSON, M. J. and SINGH, K. R. P. 1960. Effect of DDT on free amino acids of susceptible and DDT-resistant *Aedes aegypti* larvae. Science 131(3413):1615.

SATO, S. 1959. Structure and development of the compound eye of *Culex (Lutzia) vorax* Edwards. (Morphological studies on the compound eye in the mosquito. VI.). Tohoku Univ. Sci. Rpt. Ser. 4 (Biol.) 25(2):99-110.

TEKLE, A. 1960. The physiology of hibernation and its role in the geographical distribution of populations of the *Culex pipiens* complex. Amer. Jour. Trop. Med. and Hyg. 9(3):321-330.

#### TECHNIQUES

CHINAIEV, P. P. 1959. Methods of quantitative registration of bloodsucking mosquitoes (Diptera, Culicidae). Ent. Obozr. 38(4):757-765. In Rus., Engl. Sum. [Author's name translated Tshinaiev in some periodicals.]

COHER, E. I. 1959. A technique for the collection of adult mosquitoes for study. WHO Bul. 21(6):787-788.

DIVISION OF MALARIA ERADICATION, WHO. 1960. Preliminary appraisal of the use of age-grouping methods in anopheline mosquitoes. WHO/Mal/264, 17 pp.

ELDRIDGE, B. F. and GOULD, D. J. 1960. A cage for the experimental transmission of mosquito-borne pathogens. Mosquito News 20(2):189.

HAMON, J., CHAUVET, G. and THÉLIN, L. 1959. Method of determining the physiological age of female *Anopheles*. WHO/Mal/246, 11 pp.

HOCKING, B. 1960. An insect-proof doorway. Bul. Ent. Res. 51(1):135-144.

MOULINIER, C. 1959. Allongement des stades et modifications de la viabilité de *Culex pipiens* par réfrigération expérimentale. Soc. de Biol. (Paris) Compt. Rend. 153(8/9):1336-1338.

MURPHY, D. H. and GISIN, H. 1959. The preservation and microscopic preparation of anopheline eggs in a lacto-glycerol medium. Roy. Ent. Soc. London Proc. Ser. A. 34(10/12):171-174.

PEÑA DE GRIMALDO, E. and LAVOPIERRE, M. M. J. 1960. Efectos comparativos de la sangre humana como fuente de alimentación de los mosquitos *Aedes aegypti* variedad *queenslandensis* con la sangre de los animales de laboratorio, usando el número de oocitos desarrollados después

de una sola ingestion de sangre como criterio. Rev. Ibérica de Parasitol. (Madrid) 20(1):23-29. Engl. Sum.

PORTERFIELD, J. S. 1960. A simple plaque-inhibition test for the study of arthropod-borne viruses. WHO Bul. 22(3/4):373-380.

SAKOVICH, O. S. 1960. An exhauster to catch mosquitoes at night. Med. Parazit. i Parazit. Bolezni 29(3):357-358. In Rus., Illus.

SCHULEFMANN, W. and WURMBACH, H. 1959. Die färbund von protozoen im schnittpräparat. Riv. di Parassitol. 20(4):379-387. Engl. Sum. [Includes *Plasmodium*.]

SMITH, K. M. 1959. Recent work on the electron microscopy of viruses. Nature (London) 184(4697):1440-1445.

WELCH, H. E. 1960. Two applications of a method of determining the error of population estimates of mosquito larvae by the mark and recapture technique. Ecology 41(1):228-229.

### TAXONOMY

ASSEM, J. VAN DEN. 1960. A description of male and larva of *Tripteroides (Mimeteomyia) microlepis* (Edwards), (Diptera, Culicidae). Ent. Ber. 20(1):13-14.

BAILLY-CHOUMARA, H. and ADAM, J. P. 1960. Notes complémentaires sur la morphologie, la position systématique et la biologie d'*Anopheles (Neomyzomyia) maliensis* Bailly-Choumara et Adam, 1959. Soc. de Path. Exot. Bul. 53(1):110-119.

GUY, Y. 1958. Extension vers le nord de l'Aire de *Anopheles (Anopheles) coustani* Laveran 1900. Soc. des Sci. Nat. et Phys. du Maroc Bul. 38(4):207-211.

HAMON, J. and LAMBRECHT, F. L. 1959. Description de *Culex (Culicomyia) muspratti* n. sp. accompagnée de quelques notes sur les moustiques de la forêt d'Irangi, Kivu, Congo Belge. Soc. de Path. Exot. Bul. 52(5):582-587.

HANNEY, P. W. 1959. Variation in *Anopheles flavicosta* Edwards from northern Nigeria. Roy. Ent. Soc. London Proc. Ser. B. 28(11/12):169-174.

PRICE, R. D. 1960. Identification of first-instar aedine mosquito larvae of Minnesota (Diptera: Culicidae). Canad. Ent. 92(7):544-560.

RIOUX, J. A. and PECH, J. M. 1959. Le biotype autogène de *Culex pipiens* L. ne doit pas être nommé *Culex molestus* Forskal (Diptera Culicidae). Cahiers des Nat. (n. s.) 15(4):115-117.

SENEVET, G. and ANDARELLI, L. 1959. Un nouveau caractère pour la diagnose des larves de *Culex*. Inst. Pasteur d'Algérie Arch. 37(3):447-461.

MACDONALD, W. W. and MATTINGLY, P. F. 1960. A new species of *Udaya* from Malaya and a description of the early stages of *U. argyrrus* (Edwards, 1934) (Diptera: Culicidae). Roy. Ent. Soc. London Proc. Ser. B. Tax. 29(1/2):22-28. [*Udaya lucaris* sp. n.]

SENEVET, G., CLASTRIER, J. and ANDARELLI, L. 1959. Les moustiques du Tassili des Ajjer (V. Inst. Pasteur d'Algérie Arch. 37(4):598-602. See also Rioux under Distribution.

### DISTRIBUTION

DOBY, J. M., RAULT, B. and DAVID, F. 1960. *Theobaldia (Culicella) litorea* (Shute 1928) *Anopheles (Anopheles) algeriensis* Théobald 1900 dans l'ouest de la France. Contribution à l'étude écologique de ces deux espèces. Ann. de Parasit. Humaine et Compar. 35(1/2):174-187. [*Culiseta Theobaldia*.]

GIL COLLADO, J. 1959. El *Anopheles plumbeus* Staeg. y otros mosquitos arborícolas en Madrid. Med. Trop. (Madrid) 34(3):516-520.

HANNEY, P. W. 1959. Notes on the distribution of *Aedes aegypti* Linnaeus in Zaria Province Northern Nigeria. Entomologist 92(1159):253-253.

———. 1960. The mosquitoes of Zaria Province, Northern Nigeria. Bul. Ent. Res. 51(1):147-171.

HEDEEN, R. A., WHITTEMORE, F. W., JR. and KEEGAN, H. L. 1960. A recent collection of the mosquito *Haemagogus equinus* Theobald from the vicinity of Brownsville, Texas (Diptera: Culicidae). Ent. Soc. Wash. Proc. 62(2):115-116.

JOSEPH, S. R., BERRY, R. A. and BICKLER, W. E. 1960. A new mosquito record for Maryland (Diptera: Culicidae). Ent. Soc. Wash. Proc. 62(2):114.

LIU, W. T. and COWORKERS. 1959. A preliminary survey of the *Anopheles hyrcanus* group from Hung Ya and Chia-Kiang of Szechuan Province. Acta Microbiol. Sinica 7(3):217-222. In Chin., Engl. Sum.

LU, B. J. and SUN, H. K. 1959. Survey of mosquitoes in Tsinan. Acta Ent. Sinica 9(5):483-489. In Chin., Engl. Sum.

MAFFI, M. and COLUZZI, M. 1960. *Anopheles macmahoni* Evans, nella regione della Migiurtina Somalia. Riv. di Malariol. 39(1/3):119-122. Engl. Sum.

MOUCHET, J., GARIOU, J. and HAMON, J. 1960. Note faunistique sur les moustiques des moutagnes de l'Ouest-Cameroun. Présence de nouvelles formes de Culicidae nouvelles pour le Cameroun. Inst. Franç. d'Afrique Noire Bul. Sér. A. 22(1):207-216.

RIOUX, J. A. 1959. Liste sommaire des culicidés du Nord-Tchad. Ann. de Parasitol. Humaine et Compar. 34(5/6):733. [*Anopheles rufipes seneveti* n. sp.]

SENEVET, G., ANDARELLI, L. and CLASTRIER, J. 1959. Présence dans le Sahara Français *Anopheles sergenti* sb. sp. *macmahoni* et de *rhodensis* var. *rupicolus*. Inst. Pasteur d'Algérie Arch. 37(3):462-473.

SENEVET, G., BERNET, J., CLASTRIER, J. and ABBONENC, E. 1960. Présence de *Anopheles (Myzomyia) d'zhali* Patton en deux régions de l'Afrique voisines de l'Atlantique; sa répartition

ogographique sur le Continent Africain. Inst. Pasteur d'Algérie Arch. 38(1):106-111.

SENEVET, G. and CLASTRIER, J. 1960. Présence d'*Anopheles (Anopheles) claviger* Meigen var. *petragrani* del Vecchio dans le sud-est de la France. Inst. Pasteur d'Algérie Arch. 38(1):112-116.

SENEVET, G., CLASTRIER, J. and ANDARELLI, L. 1959. Les moustiques du Tassili des Ajjer (V). Inst. Pasteur Arch. d'Algérie 37(4):598-601.

SURTEES, G. 1960. The genus *Mansonia* Blanchard 1901 (Diptera: Culicidae) in West Africa. West Afr. Med. Jour. 9(n.s.) (1):7-11.

VINCKE, I. H. 1959. Note sur les culicidés dans la Vallée de la Lufira (1941-1942). Riv. di Parassitol. 20(4):423-434. Engl. Sum.

### DENGUE

SIGEL, M. M. and BEASLEY, A. R. 1959. Studies on dengue fever. Texas Rpts. on Biol. and Med. 17(4):618-623.

THEILER, M., CASALS, J. and MOUTOUSSES, C. 1960. Etiology of the 1927-28 epidemic of dengue in Greece. Soc. Expt. Biol. and Med. Proc. 103(1):244-246.

### ENCEPHALITIS

BICKLEY, W. E. and BYRNE, R. J. 1960. Current knowledge of eastern encephalitis in Maryland. Mosquito News 20(2):93-94.

BRODY, J. A. and BROWNING, G. 1960. An epidemic of St. Louis encephalitis in Cameron County, Texas, in 1957. Amer. Jour. Trop. Med. and Hyg. 9(4):436-443.

FAVORITE, F. G. 1960. Some evidence of local origin of EEE virus in Florida. Mosquito News 20(2):87-92.

FLEMINGS, M. B., WALLER, I. H. and ESTES, H. 1960. Mosquito surveillance and abatement at Fort Dix, New Jersey during the eastern equine encephalitis outbreak of 1959. Mosquito News 20(2):94-99.

GRAHAM, J. E., BRADLEY, I. E. and COLLETT, L. C. 1960. Some factors influencing larval populations of *Culex tarsalis* and western equine encephalitis in Utah. Mosquito News 20(2):100-103.

HAYES, R. O., LAMOTTE, L. C. and HESS, A. D. 1960. Enzootic eastern encephalitis activity in Massachusetts. Mosquito News 20(2):85-87.

HAYES, R. O., LAMOTTE, L. C., WHITE, L. A. and BEADLE, L. D. 1960. Isolation of eastern encephalitis virus from the mosquito *Culex restuans* collected in New Jersey during 1959. Mosquito News 20(2):190.

MILES, J. A. R. 1960. Epidemiology of the arthropod-borne encephalitides. WHO Bul. 22(3/4):339-371.

PANEL ON EASTERN ENCEPHALITIS. Hayes, R. O. (Moderator). 1960. Mosquito News 20(2):83-85. [Others on panel: R. W. Chamberlain, D. M. Stamm, R. C. Wallis and D. M. Robbins.]

RIGGS, N. and FINLEY, K. H. 1960. Sequelae of western encephalitis and St. Louis encephalitis. Calif. Vector Views 7(6):35-41.

WALLIS, R. C., TAYLOR, R. M. and HENDERSON, J. R. 1960. Isolation of eastern equine encephalomyelitis virus from *Aedes vexans* in Connecticut. Soc. Expt. Biol. and Med. Proc. 103(2):442-444.

WECKER, E. Eigenschaften einer infektiösen Nucleinsäure-fraktion aus hühncrembryonen, die mit encephalitis-virus infiziert wurden. II. Mitt.: Biologische eigenschaften. Ztschr. f. Naturforschung 15(2):71-78.

### FILARIASIS

BHATIA, M. L. and WATTAL, B. L. 1958. Tolerated density of *Culex fatigans* Wied. in transmission of bancroftian filaria. Natl. Soc. India for Malaria and other Mosquito-Borne Dis. Bul. 6(4):117-222.

GALLIARD, H. 1959. Filaires nouvelles du type *bancrofti-malayi* chez l'homme et l'animal dans l'aire Afrique Orientale-Océan Indien. Soc. de Path. Exot. Bul. 52(5):578-582.

IYENGAR, M. O. T. 1959. Filariasis in American Samoa. South Pacific Comm. Noumea, New Caledonia. Tech. Inform. Cir. 35, 11 pp.

NAIR, C. P., KRISHNAN, K. S. and ROY, R. G. 1959. Filariasis in Kerala State. Part V. Filaria survey of Edappally Panchayat (Eknakulam District). Indian Jour. Malariol. 13(2/3):117-123.

NAIR, C. P. and RAY, A. P. 1959. "Simazin" as a weed killer against *Pistia stratiotes*. Natl. Soc. India for Malaria and other Mosquito-Borne Dis. Bul. 7(2):65-66.

ORAM, R. H. 1960. Filariasis on the north Nyasa Lake Shore (II). Cent. Afr. Jour. Med. 6(4):144-145.

RAHMAN, J., SINGH, M. V. and SHARMA, K. L. 1959. Pre-control survey in the filaria control unit, Barabanki, U. P. Natl. Soc. India for Malaria and other Mosquito-Borne Dis. Bul. 7(4):107-117.

RAHMAN, J., SINGH, M. V. and SHRIVASTAVA, R. N. 1959. Filariasis in Bahraich Town (Uttar Pradesh). Natl. Soc. India for Malaria and other Mosquito-Borne Dis. Bul. 7(2):53-63.

ROOK, H. DE. 1959. Filariasis in the village of Inwanatun (south coast of the Vogelkop, Netherlands New Guinea). Trop. and Geog. Med. 11(4):313-331.

SYMES, C. B. 1960. Observations on the epidemiology of filariasis in Fiji. Part I. Field studies. Part II. Laboratory studies and human infections. Part III. Control. 63(1):1-14; 63(2):31-44; 63(3):59-67.

### MALARIA

CAMPOS, R. and COWORKERS. 1959. Transaminase glutâmico-oxalacética no soro de pacientes com malária. Inst. Med. Trop. Rev. (São Paulo) 1(4):273-275. Engl. Sum.

- COLLIGNON, E. and JULLAN, M. 1960. Les indices endémiques palustres du personnel sédentaire de la Station Expérimentale du Marais des Ouled Mendil et des voisins en 1959. *Inst. Pasteur d'Algérie Arch.* 38(1):7-9.
- COVELL, G. 1959. The influence of war on the development of malaria control measures. *Riv. di Parassitol.* 20(4):259-262. Ital. Sum.
- EYLES, D. E., COATNEY, G. R. and GETZ, M. E. 1960. Vivax-type malaria parasite of macaques transmissible to man. *Science* 131(3416):1812-1813.
- FERNEX, M. 1959. Note sur les variations du nombre des mastocytes dans le myocarde du poulet et du singe au cours de la malaria expérimentale. *Acta Tropica* 16(4):362-365.
- GÖKBERK, M. C., EREL, D., EKER, E. and ALPAY, K. 1959. Malaria epidemic in Yenice area under malaria eradication scheme in 1957. *Türk İjyeni ve Tıbbi Biyoloji Dergisi* (Ankara) 19: 43-52. In *Türk.*, Engl. Sum.
- GÓMEZ, MENDOZA, I. 1960. La toma de muestras de sangre a enfermos febriles, el índice parasitario en escolares y el índice parasitario en infantes, como medios para valorar la campaña de erradicación del paludismo en México. *CNEP Bol. (Mexico)* 4(1):12-14. Engl. Sum.
- MAEGRAITH, B. 1959. Some pathological processes in malaria as exemplified in the development of hepatic lesions in acute infections. *Riv. di Parassitol.* 20(4):317-326.
- MAFFI, M. 1960. La malaria nelle regioni del Mudugh e della Migiurtinia, Somalia. *Riv. di Malariol.* 39(1/3):21-118. Engl. Sum.
- PETERS, W. 1959. Malaria control in Papua and New Guinea. *Papua and New Guinea Med. Jour. (Port Moresby)* 3(3):66-75.
- RANQUE, J. and COWORKERS. 1959. Anophélisme et indice splénique dans le site de Porto-Becchio (Corse) durant l'été 1959. Étude comparative avec les données antérieurement connues. *Soc. de Path. Exot. Bul.* 52(6):808-819.
- ROSA, F. W. 1960. Malaria and opium control in Iran. *U. S. Pub. Health Rpts.* 75(4):352-354.
- SARIKIAN, S. YA. 1960. Malaria in the Chinese Peoples Republic. *Med. Parazit. i Parazit. Bolezni* 29(2):239-241. In Rus.
- SOPER, F. L. 1960. The epidemiology of a disappearing disease: malaria. *Amer. Jour. Trop. Med. and Hyg.* 9(4):357-366.
- TOUMANOFF, C. 1959. Paludisme et perspectives de la lutte antipaludique dans la Basse Guinée. *Riv. di Parassitol.* 20(4):411-422.
- VISVANATHAN, D. K. 1960. Note on the epidemiology of receding and resurgent malaria. *WHO/Mal/258*, 4 pp.
- WORLD HEALTH ORGANIZATION. 1960. Malaria information. *WHO/Mal/Inform/61*, 15 pp. [Training of national staff in Turkey, laboratory in malaria eradication, voluntary collaborators in Mexican malaria program, costs of active surveillance in Sarawak, et al.]
- . 1960. Malaria information. *Mal/Inform/59*, 13 pp. [Includes world decline in malaria morbidity, malaria program in Africa, malaria problems in Netherlands New Guinea *Anopheles* resistance, et al.]
- . 1960. Malaria information. *Mal/Inform/58*, 14 pp. [Includes A. L. Morales biography, pre-eradication survey in Republic of Korea, methods of drug distribution in Venezuela Amer. Continental campaign, note on organo phosphorus insecticides, corrigendum.]
- . 1960. Malaria information. *Mal/Inform/60*, 15 pp. [Includes malaria campaigns in Ryukyu Islands, expt. surveillance studies in Ceylon, house measurements in Togo, et al.]

MALARIA PAPERS FROM TRUDY INST.  
MED. PARAZIT. i TROP. MED.,  
NOVOSIBIRSK. (*Beklemishev*  
and *Kashina*-Editors.).  
In Rus.

- BEKLEMISHEV, W. N. 1960. Some general problems on the use of DDT against malaria mosquitoes. pp. 365-388.
- BUYANOVA, O. F. and KEKHCHEV, O. M. 1960. Epidemiological and entomological observations on recent treatment. Observations in the village of Kirnasten. pp. 223-238.
- BERKAUTSAN, M. Z. and GRINBERG, A. I. 1960. Basic data on the phenology of *Anopheles maculipennis* in the city of Kishinev, its epidemiological significance and proper timing for antimalarial measures. pp. 20-24.
- DEITNOVA, T. S. 1960. Epidemiological significance of *A. maculipennis* under conditions of untreated populations in the village of Chobruch. pp. 72-99.
- FASTOVSKAYA, E. I. 1960. Brief epidemiological data on the village of Chobruch. pp. 100-101.
- and IVANOVA, L. V. 1960. Epidemiological and entomological observations on recent treatment. Observations in the village of Talmaz. pp. 239-262.
- GRINBERG, A. I. and DERKAUTSAN, M. Z. 1960. Tests of protective DDT barriers in the town of Kishinev in 1948. pp. 263-269.
- . 1960. Tests of protective DDT barriers in the town of Kishinev in 1949. pp. 270-277.
- IVANOVA, L. V., FASTOVSKAYA, E. I. and FARBBER, N. A. 1960. Epidemiological and entomological observations on early treatment. Observations in the village of Leontyev. pp. 203-222.
- KEKHCHEV, O. M. 1960. Malaria in Moldavian SSR in postwar years and its control. pp. 7-19.
- and MARKOVICH, N. YA. 1960. Epidemiological and entomological observations on early treatment. Observations in the village of Kirkaesht. pp. 193-202.
- . 1960. Epidemiological and entomological observations on early treatment. Observations in the town of Bender with its suburbs and in the village of Khadzhimus. pp. 162-192.
- LARYUKHIN, M. A. 1960. Experiments with a new form of DDT and BHC concentration under practical conditions for the control of malaria mosquitoes. pp. 354-364.

MARKOVICH, N. YA. and BANDIN, A. I. 1960. Observations on the age composition of untreated populations of *A. m. sacharovi* in the Kura-Araksinsk lowlands in 1951. pp. 288-297.

MARKOVICH, N. YA. and KEKHCHEK, O. M. 1960. Epidemiological characteristics of settlements situated along the Dniester lowlands. pp. 102-119.

MARKOVICH, N. YA. and YAGUZHINSKAYA, L. V. 1960. Efficacy of continuous treatment with residual contact insecticides in the control of *A. m. sacharovi* in Mugan (Kherson group of settlements Ali-Bayramlinsky Rayon, AZSSR). pp. 308-316.

NABOKOV, V. A. 1960. Task, aim and problems of organization in the 1949 expedition. pp. 6-48.

— and LARYUKHIN, M. A. 1960. Technique and tactics of mass application of DDT compounds in the control of malaria mosquitoes. pp. 49-71.

PROKOPENKO, L. I. 1960. Epidemiological efficacy of continuous treatment with DDT for malaria foci in the region of the steppe streams and fish ponds in the Moldavian SSR. pp. 25-45.

—, 1960. Epidemiological efficacy of contact insecticides used in combination with anti-malarials in the lowlands of Kura-Araksinsk. pp. 296-353.

—, 1960. Far reaching results of DDT treatment in villages. pp. 278-287.

—, SHMELEVA, YU. D. and TIMROT, S. D. 1960. Epidemiological and entomological observations on early treatment. Observations in the Gitskan and Kopank villages. pp. 120-161.

TRIOVA, M. N. 1960. Epidemiological efficacy of continuous treatment with DDT and BHC compounds in highly endemic malarious areas Kherson group of settlements, Ali-Bayramlinsky Rayon, AZSSR. pp. 317-325.

*Malaria—Clinical Aspects*

FABIANI, G., ORFILA, J. and BONHOURE, G. 1959. Influence de la gestation sur le paludisme du rat blanc à *Plasmodium vinckei*. Soc. de Biol. (Paris) Compt. Rend. 153(7):1200-1202.

SYMES, W. D. and SMYTH, F. G. 1959. Spontaneous rupture of malaria spleen. Papua and New Guinea Med. Jour. (Port Moresby) 3(3): 103-107.

*Malaria—Eradication*

BRUCE-CHWATT, L. J. 1959. Malaria research and eradication in the USSR. WHO Bul. 21(6): 37-772.

CABRERA, PALMA, N. DE J. 1960. Adiestramiento de campo sobre disciplinas de epidemiologia en la "CNEP." CNEP Bol. (Mexico) 4(1):15-60.

CANAU, M. G. 1960. Malaria eradication: a critical stage. WHO Chronicle 14(7):264-267.

DUKHANINA, N. N. 1960. On certain features peculiar to the epidemiology of malaria and its spread at the closing stage of malaria eradication in the USSR. Med. Parazit. i Parazit. Bolezni 29(2):190-197. In Rus.

GABALDON, A., BERTI, A. L. and GUERRERO, L. 1959. Venezuela and the world eradication program. Riv. di Parassitol. 20(4):263-272.

GIGLIOLI, G. 1959. Fifteen years experience in malaria eradication in British Guiana; maintenance policies and residual problems. Riv. di Parassitol. 20(4):279-288.

HUFF, C. G. 1959. Post eradication malarialogy. Riv. di Parassitol. 20(4):289-292.

MÁRQUEZ ESCOBEDO, M. B. 1960. La erradicación del paludismo en Mexico. CNEP Bol. (Mexico) 4(1):3-11.

MOSNA, E. 1959. Una grande opera sociale l'eradicazione della malaria in Italia. Riv. di Parassitol. 20(4):327-336. Engl. Sum.

ORTIZ, MARIOTTE, C. and LUNA BATALLA, M. 1959. Erradicación del *Aedes aegypti* en México. Bol. Epidemiológico (Mexico) 23(1):1-5.

PAMPANA, E. 1959. La ricerca dei casi nel corso dell'eradicazione della malattia. Riv. di Parassitol. 20(4):337-344. Engl. Sum.

PINOTTI, M. 1959. Considerazioni generali sopra il piano di lotta contro la malaria, nell'Amazzonia Brasiliana, col metodo del sale colorochinato. Riv. di Parassitol. 20(4):345-355. Engl. Sum. [Use of chloroquinized salt.]

RAO, B. A. 1959. Malaria eradication programme in India. Riv. di Parassitol. 20(4): 357-369.

RAMAKRISHNA, V. 1959. The role of entomologists in malaria control and eradication projects. West Afr. Med. Jour. (n.s.) 8(3):117-121.

SINGH, JASWANT. 1959. Malaria eradication and its future. Riv. di Parassitol. 20(4):397-402.

WORLD HEALTH ORGANIZATION. 1959. Malaria eradication throughout the world. WHO Chron. 13(9/10):348-356.

*Malaria—Plasmodia*

Ball, G. H. and CHAO, J. 1960. In vitro development of the mosquito phase of *Plasmodium relictum*. Expt. Parasitol. 9(1):47-55. [*Culex tarsalis*]

BRAY, R. S. 1960. Studies on malaria in chimpanzees. VIII. The experimental transmission and pre-erythrocytic phase of *Plasmodium malariae*, with a note on the host range of the parasite. Amcr. Jour. Trop. Med. and Hyg. 9(4):455-465.

CORRADETTI, A., VEROLINI, F. and ROSTIROLLA, M. 1959. Durata della sopravvivenza di *Plasmodium berghei* nel pipistrello insettivoro Italiano *Miniopterus schreibersii*. Riv. di Parassitol. 20(4):255-257. Engl. Sum.

DEVAKUL, K. and MAEGRAITH, B. G. 1959. Lysis and other circulatory phenomena in malaria (*Plasmodium knowlesi*). Ann. Trop. Med. and Parasitol. 53(4):430-450.

FABIANI, G. 1959. Le paludisme expérimental (à *Plasmodium berghei* et à *Plasmodium vinckei*). Son intérêt en immunologie générale. Algérie Méd. 6(9):793-799.

GARNHAM, P. C. C. 1959. A new sub-species of *Plasmodium cynomolgi*. Riv. di Parassitol. 20(4):273-278.

JEFFERY, G. M. 1960. Infectivity to mosquitoes of *Plasmodium vivax* and *Plasmodium falciparum* under various conditions. Amer. Jour. Trop. Med. and Hyg. 9(3):315-320.

PELÁEZ, D. and PÉREZ-REYES, R. 1959. Estudios sobre hematozoarios. IX. Una nueva especie de *Plasmodium* de reptiles Mexicanos parásita de *Basiliscus vittatus*. Rev. Latinoamer. Microbiol. (Mexico) 2(1):41-50. Engl. Sum.

PRAKASH, S. 1959. Studies on *Plasmodium berghei* Vincke and Lips, 1948. Part XXVI. The minimum duration of patent primary parasitaemia in albino rats for the development of immunity to resist reinfection. Indian Jour. Malariol. 13(2/3):137-144.

SCHWINK, T. M. 1960. The effect of anti-erythrocytic antibodies upon *Plasmodium berghei* infections in white mice. Amer. Jour. Trop. Med. and Hyg. 9(3):293-296.

SERGEANT, E. 1959. Infection latente et pré-munition dans le paludisme des passereaux à *Plasmodium relicium*. Riv. di Parassitol. 20(4):388-395. Engl. Sum. Also in Inst. Pasteur d'Algérie Arch. 38(1):1-6, 1960.

#### Malaria—Therapeutics and Antimalarials

AFRIDI, M. K. and RAHIM, A. 1959. Further observation on the interruption of malaria transmission with single dose of pyrimethamine (daraprim). Riv. di Parassitol. 20(4):229-242.

ARCHIBALD, H. M. 1960. The appearance of *P. falciparum* resistant to pyrimethamine in a northern Nigerian village. West Afr. Med. Jour. 9(n.s.)(1):21-25.

\_\_\_\_\_. 1960. Field trials of mass administration of antimalarial drugs in Northern Nigeria. WHO/Mal/262, 11 pp.

CALFERO ELORDUY, C. 1959. Evolucion del tratamiento antipaludico. Salud Pública México 1(2):195-206.

CHARLES, L. J. 1960. Aftermath of a field trial in self-administered pyrimethamine in a Ghanaian community: the appearance of *P. falciparum* resistance. WHO/Mal/260, 9 pp.

CIUCA, M. 1959. Action sporontocide et clinophylactique de la pyriméthamine. Riv. di Parassitol. 20(4):243-254. Engl. Sum.

COURTNEY, K. O., HODGKINSON, R., RAMSEY, R. and HAGGERTY, M. 1960. A combination of amodiaquin and primaquine (Camoproim) in the prevention and cure of sporozoite-induced Cheson strain *vivax* malaria. Amer. Jour. Trop. Med. and Hyg. 9(2):149-154.

MEYLER, L. 1959. Purpura with thrombopenia following chloroquine phosphate treatment. Nederl. Tijdschr. v. Geneesk. 103(48):2427-2428. In Dutch, Engl. Sum.

SCHRIER, S. L. and COWORKERS. 1959. The hemolytic effect of primaquine. X. Aldolase and glyceraldehyde-3-phosphate dehydrogenase activity in primaquine-sensitive erythrocytes. Jour. Lab. and Clin. Med. 54(2):232-240.

YOUNG, M. D. 1959. The effect of small doses of primaquine upon malaria infections. India Jour. Malariol. 13(2/3):69-74.

#### Malaria—Vectors

MORSBACH, W. O. 1960. An entomological investigation of malaria vectors in Zululand. Publ. Health (Johannesburg) 60(1):19-25.

#### YELLOW FEVER

MEERS, P. D. 1960. The desiccation of yellow fever vaccine in a modified centrifugal drying plant. West Afr. Med. Jour. 9(n.s.)(1):29-32.

PANTHIER, R., HUSSON, R. A. and HANNOUN, C. 1959. Les allergiques et la vaccination anti-amarile 17 D. Résultats complémentaires. Soc. de Path. Exot. Bul. 52(6):759-764.

#### OTHER DISEASES

AITKEN, T. H. G. and COWORKERS. 1960. Mayaro virus isolated from a Trinidadian mosquito, *Mansonia venezuelensis*. Science 135(3405):986.

ANDREWES, C. H., THOMPSON, H. V. and MANSI, W. 1959. Myxomatosis: present position and future prospects in Great Britain. Nature (London) 184(4694):1179-1180.

GORDON SMITH, C. E. 1960. Evolution of arborviral diseases. Nature (London) 185(4715):740-742.

HAMMON, W. M., RUDNICK, A. and SATHER, C. E. 1960. Viruses associated with epidemic hemorrhagic fevers of the Philippines and Thailand. Science 131(3407):1102-1103. [*Aedes aegypti* vector.]

MATTLINGLY, P. F. 1960. Ecological aspects of the evolution of mosquito-borne virus diseases. Roy. Soc. Trop. Med. and Hyg. Trans. 54(2):97-112.

#### LIGHT TRAP STUDIES

BREEV, K. 1958. The use of ultra-violet light-traps for determining the fauna and the ratio of species of mosquitoes. Acad. Sci. USSR Parasitol. Symposium 18:219-238, Moscow. In Rus., Engl. Sum.

ZHOGOLEV, D. T. 1959. Light traps as a method of collecting and study of insects as carriers of a disease. Ent. Obozr. 38(4):766-773. In Rus., Engl. Sum. [Includes mosquitoes.]

#### LITERATURE REFERENCES AND REVIEWS

DUKHANINA, N. N. 1960. Native literature on problems of medical parasitology and parasitology.



scases published in 1959. *Med. Parazit. i Parazit. Bolezni* 29(2):242-248. In Rus.

———. 1960. Soviet literature on problems of medical parasitology and parasitic diseases published in 1959 (supplementary) and to the first quarter of 1960. *Med. Parazit. i Parazit. Bolezni* 29(3):360-369.

SOLLERS, H. 1960. References to literature of interest to mosquito workers and malariologists. *Mosquito News* 20(2):226-234.

WORLD HEALTH ORGANIZATION. 1959. Articles and notes on malaria in WHO Bulletin volumes 1-20, 1947-1959. WHO/Mal/247, 10 pp.

———. 1960. List of WHO/Mal/documents, January 1958-December 1959. WHO/Mal/257, 6 pp.

### BIOGRAPHY AND HISTORY

BRUCE-CHWATT, L. J. 1960. D. K. Viswanathan. WHO/Mal/258 Appendix, 3 pp.

DZHAVADOV, R. B. 1960. From the history of malaria control. Georgy Norbertovich Gabrielyan. (On the occasion of his centenary). *Med. Parazit. i Parazit. Bolezni* 29(2):231-233. In Rus.

KIKUTH, W. 1959. Bastianelli, ein wegbereiter der modernen malariatherapie. *Riv. di Parasitol. 20(4):293-298.*

LIVADAS, G. A. 1959. Malaria in ancient Greece. *Riv. di Parassitol. 20(4):299-304.*

MOSHKOVSKY, SH. D. 1960. Alexander Andreevich Kisel as malariologist. (On the occasion of his centenary). *Med. Parazit. i Parazit. Bolezni* 29(2):229-231. In Rus.

RAFFAELE, G. 1959. Giuseppe Bastianelli (1862-1959). *Riv. di Parassitol. 20(4):223-228.*

RUSSELL, P. F. 1959. Daniel Drake—outstanding pioneer in the epidemiology of malaria in America. *Riv. di Parassitol. 20(4):371-378.*

### SUBJECTS NOT COVERED BY OTHER HEADINGS

GREATER WINNIPEG MOSQUITO ABATEMENT DISTRICT. 1959. Report for 1959. 13 pp., Canada.

HOWELL, D. E. 1960. How insecticides kill. *Pest Control* 28(1):12, 14, 16.

SACRAMENTO COUNTY-YOLO COUNTY MOSQUITO ABATEMENT DISTRICT. 1960. Mosquito flight study and annual report 1959. Ann. Rpt. 12, 61 pp. N. Sacramento, Calif.

SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT. 1960. Summary of the thirtieth annual report; 1959. 18 pp., Utah.

WRAY, F. C. 1960. Safety procedures in mosquito control operations. A contribution to the symposium on mosquito control operations. *Mosquito News* 20(2):104-105.