

PUBLISHED ARTICLES OF INTEREST

REFERENCES TO LITERATURE ON MOSQUITOES AND THEIR CONTROL

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Andrews, Justin, Howard, R. S., Jr., and Turner, E. Archer. 1942. Malaria-control, ditch-lining experience in a South Georgia County. Natl. Malaria Soc. Jour. 1:57-67, 2 tables, 1 map, 1 fig., 1 ref.

Anon. 1942. Control of malaria in Palestine. British Med. Jour. No. 4269, pp.517-518.

Anon 1942. Identification of Common Species of mosquitoes. Quart. Bull. La. State Dept. Health 33(3)24, - chart.

- Anon. 1942. Malaria and antimalarials. *Current Science* (Bangalore) 11(9):347-350.
- Anon. 1942. Malaria—scourge of humanity. *New Health* (London) 17(10):3.
- Anon. 1942. How malaria spreads. *New Health* (London) 17(11):16.
- Anon. 1942. Mosquito fighters of Guayaramerin. *The South and world affairs* (Chapel Hill, N. C.) 4(10):6-7 and 14.
- Anon. 1942. No mosquitoes wanted. *Ill. Health Messenger* 14(1):3-4.
- Anon. 1943. Division of medical science of the National Research Council appoints consultant group on malaria. *Amer. Med. Assoc. Jour.* 121(6):439.
- Anon. 1943. Further conservation of cinchona bark. *Amer. Med. Assoc. Jour.* 121(6):439.
- Anon. 1943. Malaria mortality in the southern United States. *Jour. Amer. Med. Assoc.* 121(10):788-789.
- Anon. 1943. The critical antimalarial problem and its solution. *Va. Med. Monthly* 70(1):52.
- Anon. 1943. The national quinine pool. *Amer. Med. Assoc. Jour.* 121(6):434.
- Anon. 1943. Treatment of malaria under war conditions. *British Medical Jour.* No. 4280, pp. 75-76, 4 refs.
- Bang, Frederik, and Simpson, Thomas, 1942. Feeding habits of *Anopheles walkeri* Theobald at Reelfoot Lake, Tennessee. *Amer. Jour. Trop. Med.* 22(5):513-516, 4 tables, refs.
- Bellamy, R. E. 1942. Observations on the macroscopic species—Identification of larval *Anopheles* in Georgia. *Parasitology* 28(4):299-310, 2 tables, 6 ref.
- Bishop, Ann. 1943. Variation in gametocyte production in a strain of *Plasmodium relictum* in canaries. *Parasitology* (London) 35(1-2):82-87, 2 figs., 1 table, 8 refs.
- Brown, H. W. 1942. Human malaria. *Natl. Malaria Soc. Jour.* 1:133-139, 26 refs.
- Bustamante, Miguel E., Kumm, Henry William, and Herrera, Julio Roberto. 1942. Ausencia de fiebre amarilla en el Valle del Usumacinta (Guatemala y Mexico, 1942), *Mex. Inst. Salubridad y Enferm. Trop. Rev.* 3(4):255-271, 2 maps, 3 tables, 14 figs., 3 refs.
- Carey, Frank, 1943. Nature's Dive bombers problem for army. Mosquitoes, spreading malaria, must be fought many ways. *The Sunday Star*, Washington, D. C. March 14, B-3, 3 cartoons.
- Carpenter, Stanley J., Brackin, Thomas T., Jr., and Ashton, Donald F. 1942. Entomological work during 1941 bearing on the malaria problem. *Natl. Malaria Soc. Jour.* 1:157-162.
- Carr, H. P., and Hill, R. B. 1942. A malaria survey of Cuba. *Amer. Jour. Trop. Med.* 22(6):587-607, 15 tables, 1 fig., 18 refs.
- Causey, O. R. 1943. A method for the collection, transportation and study of anopheline eggs and adults. *Amer. Jour. Trop. Med.* 23(1):133-137, 6 figs.

Causey, O. R., Deane, L. M., and Deane, M. P. 1943. Ecology of *Anopheles gambiae* in Brazil. Amer. Jour. Trop. Med. 23(1):73-94, 9 tables, 5 refs.

Causey, O. R., Penido, H. M., and Deane, L. M. 1943. Observations on malaria in the presence and absence of *Anopheles gambiae* in an experimental area (Cumbe) Ceara, Brazil. Amer. Jour. Trop. Med. 23(1):59-71, 12 tables, 2 refs.

Clark, Herbert C. 1942. Review of recent publications on the prophylaxis and treatment of malaria. Natl. Malaria Soc. Jour. 1:113-124, 34 refs.

David, W. A. L. 1942. The utilization of waste lubricating oil in mosquito larvicides. Bull. Ent. Research 33(4):235-240, 5 tables, 5 refs.

Deane, M. P., and Causey, O. R. 1943. Viability of *Anopheles gambiae* eggs and morphology of unusual types found in Brazil. Amer. Jour. Trop. Med. 23(1):95-103, 5 tables, 6 figs., 5 refs.

DeMeillon, Botha. 1942. New Nematocera from the Ethiopian region. Ent. Soc. South Africa, Jour. 5:87-98, 8 figs.

du Toit, Maria L. 1942. A case of *Plasmodium ovale* infection. South African Med. Jour. 16(9):182, 1 fig.

Ehrenstein, Maximilian. 1942. Modern antimalarials. Amer. Jour. Pharmacy 114(12):456-482, 2 diagrams, 22 refs.

Faust, Ernest Carroll, 1942. American tropical medicine at the crossroads. Pan. Amer. Union. Bol. de la Ofic. Sanit. 21(12):1247-1251.

Faust, Ernest Carroll, and De Bakey, Lois. 1942. Malaria mortality in the southern United States for the year 1940, with supplementary data on malaria in other States. Natl. Malaria Soc. Jour. 1:125-131, 1 table, 2 figs.

Gabaldon, Arnaldo, and Aquilera, Carmen. 1942. Variaciones del color de los anofelinos venezolanos de la subserie *oswaldoi* (Diptera, Culicidae). Proc. Eighth Amer. Sci. Congress. Held in Washington, May 10-18, 1940. Vol. III, Biological Sciences.

Gingrich, Wendell D., and Fillmore, Rollin S. 1942. The anti-malarial effect on acranil in birds. Amer. Jour. Hygiene 36(3):276-282, 2 figs., 28 refs.

Goodwin, Melvin H., Jr. 1942. Studies on Artificial resting places of *Anopheles quadrimaculatus* Say. Natl. Malaria Soc. Jour. 1:93-99, 6 tables, 5 refs.

Haddow, A. J. 1942. A note on the predatory larva of the mosquito *Culex (Lutzia) tigripes* Grandpre and Charmoy (Diptera). Roy. Ent. Soc. London, Proc. (Ser. A) 17(7-9):73-74, 1 ref.

Hammon, W. McD. 1943. Encephalitis eastern and western Equine and St. Louis types, as observed in 1941 in Washington, Arizona, New Mexico and Texas. Amer. Med. Assoc. Jour. 121(8):560-564, 4 tables, 41 refs.

Hammon, W. McD., and Reeves, W. C. 1942. *Culex tarsalis* Coq. a proven vector of St. Louis encephalitis. Soc. Exp. Biology and Medicine Proc. 51(1):142-143, 6 refs.

Hart, Capt. Thomas A., and Hart, J. H. 1942. A descriptive study of the pilotaxy of a modal *Culex pipiens* fourth stage larva. Ent. Soc. Amer. Ann. 35(4):379-386, 3 figs., 1 ref.

Hart, Thomas A. 1942. Corrections (errors and omissions). Ent. Soc. Amer. Ann. 35(4):478.

Hewitt, R. I., Richardson, A. P., and Seager, L. D. 1942. Observations on untreated infections with *Plasmodium lophurae* in twelve hundred young white pekin ducks. Amer. Jour. Hygiene 36(3):362-373, 2 tables, 5 figs., 10 refs.

Horsfall, William R. 1942. Biology and control of mosquitoes in the rice area. Ark. Agr. Expt. Sta. Bull. 427. 46 pp. 4 figs., 19 tables, 30 refs.

Hurlbut, Herbert S., and Hewitt, Reginald. 1942. The transmission of *Plasmodium lophurae*, an avian malaria parasite, by *Anopheles quadrimaculatus*. Pub. Health Rpts. 57(50):1891-1892, 1 table, 4 refs.

Irwin, William H. 1942. The role of certain northern Michigan bog mats in mosquito production. Ecology 23(4):466-477, 9 tables, 2 figs., 8 refs.

James, Maurice T. 1942. A two-season light trap study of mosquitoes in Colorado. Jour. Econ. Ent. 35(6):945, 1 table.

Knipling, E. F., Gjullin, C. M., and Yates, W. W. 1943. A new oil-emulsion mosquito-larvicide. U. S. Dept. Agr. Ent. & Plant Quar. E-587, 4 pp., 1 table, 1 ref.

Knowles, Frederick L. 1943. Growth measurements of *Anopheles quadrimaculatus* larvae. U. S. Pub. Health Repts. 58(4):136-139, 1 fig., 2 tables, 3 refs.

Legwen, W. A., and Howard, R. S., Jr. 1942. The design and application of a new type automatic siphon for malaria control. Natl. Malaria Soc. Jour. 1:83-92, 5 plates, 10 refs.

Legwen, W. A., and Lenert, Louva G. 1942. Circular joint and concrete form design for precast inverts for malaria-control ditch-lining. Natl. Malaria Soc. Jour. 1:69-82, 8 plates, 2 refs.

Lever, R. J. A. W. 1942. The malarial mosquito of Melanesia. Fiji Dept. Agr. Jour. 13(4):116-117, 14 refs.

Lewis, D. J. 1942. A method of transporting living mosquito larvae. Bull. Ent. Research 33(4):227-228, 1 fig.

Lewis, D. J. 1942. A new species of *Aedes* (Dept., Culicidae) from Eritrea. Roy. Ent. Soc. London, Proc., Ser. B:11(11):165-166, 1 fig.

Lewis, D. J. 1942. The early stages of *Aedes taylori* Edwards and *A. furcifer* Edwards (Dipt., Culicidae). Roy. Ent. Soc. London, Proc. Ser. B:11(10):153-154, 4 refs.

Lund, Horace O. 1942. Studies on the choice of a medium for oviposition by *Anopheles quadrimaculatus* Say. Natl. Malaria Soc. Jour. 1:101-111, 3 tables, 2 figs., 2 refs.

Mahaffy, A. F., Smithburn, K. C., Jacobs, H. R., and Gillett, J. D. 1942. Yellow fever in western Uganda. Roy. Soc. Trop. Med. Hyg. Trans. 36(1):9-20, 1 plate, 8 refs.

- Manson-Bahr, Sir. P. H. 1942. Malaria in wartime. *British Med. Jour.* No. 4267, pp. 461-462.
- McCarthy, D. D. 1941. Report of the Zanzibar Research Unit. (Malaria research scheme). 141 pps., 56 figs., 63 tables, 114 refs.
- Meythaler, F. 1942. Die therapie der malaria. *Muench, Med. Wock.* 89(38):812-818, 12 charts.
- Owen, William B. 1942. The biology of *Theobaldia inornata* Williston, in captive colony. *Jour. Econ. Ent.* 35(6):903-907, 2 tables, 7 refs.
- Purchase, Harvey S. 1942. Turkey malaria. *Parasitology (London)* 34(3-4):278-283, 1 table, 9 refs.
- Puri, I. M. 1941. Synoptic tables for the identification of the full-grown larvae of the Indian anopheline mosquitoes. [India Med. Dept.] *Health Bul.* 16, ed. 4, 1-109, 84 figs.
- Randall, Raymond. 1942. Equine encephalomyelitis. *Army Vet. Bull.* 36(3):157-171, 21 refs.
- Rees, Don. M. 1942. Overwintering habits in Utah of *Anopheles maculipennis freeborni* Aitkens (Diptera: Culicidae). *Ent. News* 53(10):282.
- Rees, Don. M. 1943. The mosquitoes of Utah. *Univ. Utah Bull.* 33(7):1-99, 24 figs., 16 plates, 26 refs.
- Reilly, Frank. 1943. Insect repellents: Demand for use by armed forces puts new life into a dead market with promise of post-war expansion. *Soap* 19(3):103-105, 121, 1 fig.
- Renn, Charles E. 1942. The crushing strength of biological films on natural waters and the spread of larvicidal oils. *Natl. Malaria Soc. Jour.* 1:45-55, 1 table, 2 figs., 4 refs.
- Rigdon, R. H. 1942. A consideration of the mechanism of death in acute *Plasmodium falciparum* infection; report of a case. *Amer. Jour. Hygiene* 36(3):269-275, 18 refs.
- Roubaud, E., and Grenier, P. 1942. Quelques observations sur l'aliment des larves de culicides (Facteurs B et substances proteiques). *Soc. de Path. Exot. Bul.* 35(6-8):215-219, 1 fig., 3 refs.
- Roy, D. N., and Ghosh, S. M. 1942. Further work on the comparative efficacy of different culicifuges under laboratory conditions. *Parasitology (London)* 34(3-4):291-294, 1 table, 8 refs.
- Rozeboom, L. E. 1942. The mosquitoes of Oklahoma. *Okla. Agr. Mech. Col. Tech. Bull.* No. T-16, 56 pps., 6 plates, 2 maps, 5 tables. 34 refs.
- Russell, Paul F., and Nenow, M. Kumara. 1942. A malaria-economic survey in rural South India. *Indian Med. Gaz.* 77(3):167-180, 2 figs., 13 refs.
- Russell, P. F., and Mohan, B. N. 1942. The immunization of fowls against mosquito-borne *Plasmodium gallinaceum* by injections of serum and of inactivated homologous sporozoites. *Jour. Expt. Med.* 76(5):477-495, 13 tables, 1 chart, 12 refs.
- Russell, Paul F., and T. Ramachandra Rao. 1942. On relation of mechanical obstruction and shade to ovipositing of *Anopheles culicifacies*. *Jour. Exp. Zoology* 91(2):303-329, 8 tables, 6 figs., 10 refs.

- Saliternik, Z. 1942. The macroscopic differentiation of anopheline eggs according to their pattern on the surface of water. *Bull. Ent. Research* 33(4):221-222, 1 plate.
- Sautet, J. 1941. L'anophelisme en Syrie et au Liban dans ses rapports avec le paludisme. *Bull. Mus. Nat. Marseille* 1:106-129, 2 plates.
- Scharff, J. W., and Tweedie, M. W. F. 1942. Malaria and the mud lobster. *Roy. Soc. Trop. Med. Hyg. Trans.* 36(1):41-44, 2 figs.
- Sebastian, V. O. 1942. On the role of *Etroplus suratensis* (Bloch) and *Etroplus maculatus* (Bloch) in the control of mosquitoes. *Bombay Nat. Hist. Soc. Jour.* 43(2):271-273.
- Sierra, Roberts Benites. 1942. Nuestro enemigo el *Anopheles*. *Rev. Colegio Nacional Vicente Rocafuerte* No. 54, pp. 247-267, 4 figs., 4 tables, 14 refs.
- Smyly, W. J. 1942. A gynandromorph of *Aedes aegypti*, L. (*Stegomyia fasciata*), Diptera. *Roy. Ent. Soc. London. Proc. Ser. A.* 17(10-12):111-112, 1 illus., 4 refs.
- Soper, Fred L. 1942. Febre amarela Pan Americana, 1938 a 1942. *Pan. Amer. Union. Bol. de la Ofic. Sanit.* 21(12):1207-1222. (English abstract, 1251-1252.)
- Soper, Fred L., and Wilson, D. Bruce. 1942. Species eradication. A practical goal of species reduction in the control of mosquito-borne disease. *Natl. Malaria Soc. Jour.* 1:5-24, 1 table, 1 fig., 13 refs.
- Stein, C. D., Lotze, J. C., and Mott, L. O. 1943. Evidence of transmission of inapparent (subclinical) form of equine infectious anemia by mosquitoes (*Psorophora columbiae*), and by injection of the virus in extremely high dilution. *Amer. Vet. Med. Assoc. Jour.* 102 (792):163-169, 2 charts, 1 plate, 1 fig., 2 graphs, 2 refs.
- Swartzwelder, J. C. 1942. A review of recent work on the parasitology of simian malarial infections and simian plasmodia. *Natl. Malaria Soc. Jour.* 1:141-147, 25 refs.
- Sweet, W. C., Feng, L. C., Chow, C. Y., and Hsu, S. C. 1942. Anophelines of southwestern Yunnan and their relation to malaria. *Natl. Malaria Soc. Jour.* 1:25-32, 4 tables, 9 refs.
- Townsend, Charles H. T., 1942. Note on Amazonian *Nyssorhynchus* races (Dipt.). *Rev. de Entomologia* 13(1-2):150-151.
- Trager, William. 1942. A strain of the mosquito *Aedes aegypti* selected for susceptibility to the avian malaria parasite *Plasmodium lophurae*. *Jour. Parasitology* 28(6):457-465, 2 tables, 23 refs.
- Vargas, Getulio. 1941. Regula o regime de combate a malaria en todo o pais. *Inspetoria Federal de obras Contra as Secas Boletim.* (Rio de Janeiro) 16(2):140-145.
- Vargas, Luis. 1941. *Aedes* (*Ochlerotatus*) *rozeboomi* nueva especie (Dipt. Culicidae). *Gaceta Medica de Mex.* 71(3):393-395, 8 refs.
- Vargas, Luis. 1941. Nota sobre los huevecillos de *Anopheles* mexicanos. *Gaceta Medica de Mex.* 71(1):107-123, 12 illus., 3 tables, 18 refs.
- Vargas, Luis. 1942. El huevo de *Anopheles barberi* Coquillet, 1903. *Mex. Inst. Salubridad y Enferm. Trop. Rev.* 3(4):329-331, 1 fig., 4 refs.

Vargas, Luis. 1942. Nota sobre la validez de *Psorophora* (*Psorophora*) *virescens* Dyar y Knab, 1906. *Medicina (Mex.)* 22(407):81-84, 2 figs., 5 refs.

Wales, H. G. Quaritch. 1943. Malaria and war in the Pacific. *Hygeia* 21(2):102-103, 154-155.

Wats, R. C., and Bharucha, K. H. 1941. The choice of mechanical sprayers for mosquitocides sprayed for anti-malarial purposes. *Haffkine Inst., Bombay, Ann. Rpt. 1939.* 54-55.

Watson, Sir Malcolm. 1942. The geographical aspects of malaria. *Geographical Jour.* 99(4):161-170, 2 figs.

Watson, Robert Briggs, Maher, Helen C., and Rice, Margaret E. 1942. Observations on malaria around Lake Wilson, 1934-1941. *Natl. Malaria Soc. Jour.* 1:33-44, 5 tables, 2 figs., 1 ref.

Weyer, F. 1941. Die afrikanischen malariaubertrager. *Deut. Tropenmed. Ztschr.* 45(4):112-118.

Weyer, F. 1942. Beitrag Zur stechmucken fauna von Mazedonien und Westthrazien. *Deut. Tropenmed, Ztschr.* 46(11):284-293, 3 tables, 3 figs., refs. (Available U. S. Dept. Agr. lib. for film 81 Roll 297.)

White, Norman. 1942. The treatment of malaria. *Trop. Diseases Bull.* 39(12):801-806, 4 refs.

Young, Martin D. 1942. A review of recent work in avian malaria. *Natl. Malaria Soc. Jour.* 1:149-156, 60 refs.

Zulueta, Julian de, 1942. *Plasmodium ovale* en Columbia. *Rev. Facul. de Med. (Bogota).* 10(7):487-502, 2 plates.

SCIENCE IN 1943

From Science Magazine
February 26, 1943

"The Influence of Biotin Upon Susceptibility to Malaria."

By William Trager
The Rockefeller Institute for
Medical Research
Princeton, N. J.

From Science Magazine
Marsh 19, 1943
Page 8 (Science News)

"The Probable Spread of Tropical Diseases."

From Science Magazine
April 2, 1943
Page 296

A short review on discoveries pertaining to malaria by Military surgeons.

From Science Magazine
April 9, 1943
Page 10

"The Search for an Antimalaria Chemical" as discussed in talk by Colonel Paul F. Russell of the Medical Department of the U. S. Army.

From the American Journal
of Public Health
March, 1943

"Mosquito Vectors and Inapparent Animal Reservoirs of St. Louis and Western Equine Encephalitis Viruses."

By W. McD. Hammon, M.D., Dr.P.H., W. C. Reeves,
and M. Gray of the George Williams Hooper
Foundation for Medical Research, University of
California, San Francisco, Calif.

From the New York Herald
Tribune
April 4, 1943

"Chemists Upset Foe's Blockade of Vital Supply," a discussion by John
J. O'Neill on the use of drugs other than quinine for malaria
treatments.

From the Engineering News-Record
Feb. 11, 1943

"Sanitation in Latin America," by Gordon M. Fair, Professor of Sanitary
Engineering, Harvard University and Consultant to the Division of
Public Health and Sanitation, Office of Inter-American Affairs.

PUBLIC HEALTH REPORTS

U. S. Public Health Service

March 26, 1943

Aqueous-Base Yellow Fever Vaccine—by

M. V. Hargett, Surgeon

H. W. Burgess, Assoc. Techn.

Anthony Donovan, Past Asst. Surgeon,

U. S. Public Health Service

February 5, 1943

The Microclimate of Diurnal Resting Places of *Anopheles Quadrimaculatus* Say in the Vicinity of Reelfoot Lake—by

Don E. Eyles, Assoc. Biologist

Lindsay K. Bishop, Scientific Assistant

U. S. Public Health Service

"Some Responses of the Malaria Mosquito to Light"—by

William R. Horsfall, in which he discusses the influence of the general light conditions prevailing during the night upon the catches of the malaria mosquitoes in the New Jersey trap. This article was published in "Annals of the Entomological Society of America" for March, 1943.

ADDITIONAL REFERENCES

H. H. Stage, U. S. Dept. of Agriculture
Washington, D. C.

It has been stated that malaria causes 1,000,000 deaths in India each year. (Taken from the Indian Medical Gazette. Calcutta. Vo. 77, No. 5, May 1942.)

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"A Practical Entomological Course for Students of Malariology"

By I. M. Puri

3rd ed. Calcutta, Government of India Press 1942, 189 pages (Health bulletin No. 18, Malaria Bureau No. 9).

A text which includes lectures with diagrams of structure of mosquitoes, (larvae and pupae, adults) practical laboratory and field work suggestions connected with malaria surveys and control measures.