

lections of larvae and adult mosquitoes have been made during the period January to June, 1948, without further evidence of *thelecter* breeding on Long Key or at Rock Harbor.

Reared males and females with associated larval and pupal skins were submitted to Dr. Alan Stone, U. S. National Museum, who confirmed the determination of *A. thelecter* Dyar after comparison with available specimens of *thelecter* from Texas and *Aedes keyensis* Buren (1947) from Florida. Appreciation is also expressed to Dr. Harry D. Pratt for the loan of larvae and adult females of Texas *thelecter* from the collection of the Communicable Disease Center, U. S. Public Health Service, and for his opinion regarding the determination of *thelecter* and the taxonomic validity of *keyensis*, and to S. A. Sanitarian (R) D. C. Thurman, Jr., U. S. Public Health Service, Communicable Disease Center Activities, for helpful guidance in all phases of the study.

It is the belief of Dr. Stone, Dr. Pratt, Mr. Thurman and the authors that *A. thelecter* Dyar and *A. keyensis* Buren are synonymous. Thus, the initial collection record for *thelecter* in Florida is that of two

females taken in a light trap at Key West, Monroe County, October 14, 1946 (Fernandez), as reported by Buren (1947).*

The distribution now is known to include the Lower Keys, described by Cooke (1945) as a narrow chain of islands formed from Miami oolitic limestone stretching from Bahia Honda to Key West.

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* Twelve additional light trap records of *thelecter* from Marathon and Key West (recorded by Buren as *keyensis*) are in the unpublished records of the U. S. Public Health Service, Quarantine Station, for the months of June and July, 1947. Two collections of *thelecter* from Vaca Key in June and October, 1947, were made in light traps operated by the Florida State Board of Health.

NOTES ON MOSQUITO COLLECTIONS IN PENNSYLVANIA AND CANADA DURING 1948

STANLEY J. CARPENTER¹

While observing the effect of aerial spraying of DDT for Gypsy Moth control in forest areas near Wilkes Barre, Pennsylvania, during May, 1948, the writer obtained the following new records of mosquitoes for Pennsylvania:

Aedes (Ochlerotatus) communis (De Geer)—May 6, a collection consisting of 25 larvae from a deep woodland pool in a coniferous forest in Bear Creek Township, Luzerne County.

Aedes (Ochlerotatus) implacabilis (Walker)—May 4, a collection consisting of 13 larvae from a temporary pool in an

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open woodland in Madison Township, Lackawanna County.

Aedes (Ochlerotatus) excrucians (Walker)—May 4, 1 larva associated with *A. implacabilis* in the above collection; and 2 larvae from a temporary pool in a woodland in Tolyhanna Township, Luzerne County. May 6, 8 larvae from a temporary pool in a meadow in Lehigh Township, Lackawanna County; and 20 larvae from temporary pools in a coniferous forest in Bear Creek Township, Luzerne County. A tentative identification of this species in Pennsylvania (based on 4 female specimens) was made by Wilson *et al.*, (1946).

While vacationing in Canada, a collection consisting of 26 larvae of *Aedes (Finlaya) atropalpus* (Coquillett) was obtained by the writer from rock holes along the Chaadiere River at Beauceville, Quebec on July 15, 1948. This species had not previously been reported from Quebec Province.

Literature Cited

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EXTENSION OF KNOWN RANGE OF *Aedes atropalpus* (COQUILLET) SOUTHEASTWARD INTO GEORGIA¹

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Despite extensive collections by the Army and U. S. Public Health Service in the Southeastern United States during the recent war, *Aedes atropalpus* (Coquillett) was not listed from the state of Georgia and is known only in adjacent states from Tennessee and North Carolina (Carpenter, Middlekauff and Chamberlain, 1946).

We here report an extension of range southeast to middle Georgia. Larvae of this species were collected from pot-holes in the incomplete concrete foundations of an unfinished power dam at Furman Shoals on the Oconee River in Baldwin County on March 21, 1948. Whether or not the species was present in natural rock holes in the shoals was not determined but seems probable.

From a collection of about 40 living larvae an insectary colony was established.

¹ Contribution from the Division of Tropical Diseases, National Institute of Health, United States Public Health Service, Milledgeville, Georgia.

Females of this colony deposit fertile eggs without blood meals as has been described by other authors (Howard, Dyar and Knab, 1912; Trembley, 1947). We have found the species very easy to rear and specimens from the colony have been deposited in the U. S. National Museum, the collection of the Communicable Disease Center of the U. S. Public Health Service, the collection of L. E. Rozeboom, and other collections.

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