

# ANOPHELES NEOMACULIPALPUS, FIRST RECORD FOR GUATEMALA<sup>1</sup>

MARGARET DIX,<sup>2</sup> RICHARD F. DARSIE, JR.,<sup>3</sup> PEDRO A. MOLINA,<sup>4</sup> LUIS RODRIGUEZ,<sup>2</sup>  
NORMA PADILLA<sup>5</sup> AND JAIME JUAREZ<sup>4</sup>

**ABSTRACT.** *Anopheles neomaculipalpus* is being confirmed in Guatemala for the first time, based on adult females and larvae collected in distinctly different parts of the country. Habitat data are also given.

The mosquito fauna of Guatemala was treated in detail by Clark-Gil and Darsie (1983) who reported 124 species. Eight additional species have since been added, i.e., *Culex spissipes* (Theobald), *Cx. chrysonotum* Dyar and Knab (Darsie and Hobbs 1982), *Psorophora cingulata* (Fabricius) and *Uranotaenia apicalis* Theobald (Darsie 1983), *Ps. cilipes* (Fabricius) (Darsie 1984), *Cx. restuans* Theobald (Strickman and Darsie 1988), *Cx. pseudostigmatosoma* (Strickman 1989) and *Cx. lactator* Dyar and Knab (Strickman and Pratt 1989).

This note confirms the presence of *Anopheles (Anopheles) neomaculipalpus* Curry in Guatemala, and it is the 133rd species in the mosquito fauna. This species has been previously reported from Mexico and Central American countries adjoining Guatemala (Vargas 1942, Kumm and Zuniga 1942, Heinemann and Belkin 1977, Wilkerson and Strickman 1990) and was listed as questionable for Guatemala by Komp (1942), and Knight and Stone (1977).

Three *An. neomaculipalpus* females were collected in a cattle corral in the Department of Izabal, Municipio of Los Amates, Caserio La Union on March 6, 1990, between 2100 and 2200 h. These specimens are deposited in the collection of the Division of Malaria, Guatemala Ministry of Health and Social Assistance, Guatemala City.

Two fourth instar larvae were collected in the Department of Escuintla on Finca La Herradura. The first larva was dipped on September 17, 1985, from a pond named Estanque El Comedero; and the second was taken on October 29, 1985, from another pond called Estanque Las Piedras. Larvae were dipped from shallow

water at the pond margins in full sun. Estanque El Comedero was covered with a dense mat of *Salvinia auriculata* with other vegetation including pickerel weed, *Pontaderia* sp. and cattail, *Typha* sp. Associated mosquito species were *An. albimanus* Wiedemann, *Aedeomyia squamipennis* (Lynch Arribalzaga), *Cx. conspirator* Dyar and Knab, *Cx. coronator* Dyar and Knab complex, *Cx. iolambdis* Dyar and *Ur. lowii* Theobald. Estanque Las Piedras was bordered by rotting stalks of *Thalia geniculata* and swamp grasses, *Panicum* spp. Other species of mosquitoes found at this site were *Cx. mollis* Dyar and Knab, *Cx. conspirator* and *An. albimanus*. Although these ponds and others in the area were sampled weekly from August 1984 to January 1988, *An. neomaculipalpus* larvae were collected only on the above 2 dates. The larvae are deposited in collections of the Universidad del Valle de Guatemala, Guatemala City.

The authors thank A. Duarte, R. Montalvan, G. Perez and C. Mendoza de Bosque for assistance in the collections.

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<sup>1</sup> This investigation was supported in part by Grant No. BOSTID/MVR,GT/4/84/26.

<sup>2</sup> Department of Biology, Universidad del Valle de Guatemala, Guatemala City, Guatemala.

<sup>3</sup> International Center for Public Health Research, University of South Carolina, P. O. Box 699, McClellanville, SC 20458.

<sup>4</sup> Division of Malaria, Ministry of Health and Social Assistance, Government of Guatemala, Guatemala City, Guatemala.

<sup>5</sup> Pan American Health Organization, Guatemala City, Guatemala.

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