

## Research Note

### NEW RECORDS OF INSECTS AND MITES FOR PUERTO RICO<sup>1,2</sup>

The fauna of Puerto Rico has been reported by Wolcott<sup>3</sup>. Wolcott's work on the fauna was expanded, and additional records were added by Maldonado and Navarro<sup>4</sup>; these were more recently updated by Medina and Martorell<sup>5</sup>, and Medina<sup>6</sup>. Five new records of insects and mites for Puerto Rico are included in this paper. The insects and mites listed below were collected from birds and bats during a survey to determine the hosts of the tropical bont tick, *Amblyomma variegatum* (F.), in Puerto Rico.

### CLASS ARACHNIDA

#### Acarina

1. GABUCINIIDAE: *Piciformobia* sp. Gaud and Ateyo. Collected in Bo. Río Abajo, Cidra, Puerto Rico on October 16, 1980 by E. Abreu on *Quiscalus niger brachypterus* (Puerto Rican grackle). Determined by W. T. Ateyo. Dr. Ateyo argued that this host was questionable because this genus has been collected only from birds in the order Piciformes. Since only five species of birds were collected and none of these were of the order Piciformes, we concluded this to be a new host record.

2. PROCTOPHYLLODIDAE: *Proctophyllodes* sp. Collected at the Isabela Agricultural Experimental Station, Isabela, P. R. August 7, 1980, by E. Abreu on *Columbina passerina portoricensis* (the Puerto Rican ground dove). Determined by R. L. Smiley.

3. EPIDERMLOPTIDAE: *Myialges anchora* Trouessart. Collected in Bo. Río Abajo, Cidra, Puerto Rico, February 4, 1981, by E. Abreu on *Ornithoica confluenta* (Say) (Diptera:Hippoboscidae). Determined by W. T. Ateyo. This mite is a parasite of *O. confluenta*, the common hippoboscid fly that was collected from cattle egrets (*Bubulcus ibis*) in Puerto Rico. The gravid female is the stage of this mite that parasitizes *O. confluenta*;

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<sup>3</sup> Wolcott, G. N., 1948. The insects of Puerto Rico, J. Agric. Univ. P.R. 32 (1-4):1-975.

<sup>4</sup> Maldonado-Caprilles, J. and C. A. Navarro, 1967. Additions and corrections to Wolcott's "Insects of Puerto Rico", Carib. J. Sci. 7 (1-2):45-64.

<sup>5</sup> Medina-Gaud, S. and L. F. Martorell, 1973. New insect records for Puerto Rico, J. Agric. Univ. P. R. 57 (3):247-54.

<sup>6</sup> Medina-Gaud, S., 1977. New arthropod records for Puerto Rico, J. Agric. Univ. P. R. 61 (3):409-12.

the mite attaches itself to the lateral tip of the fly's abdomen, where it feeds on haemolymph<sup>7</sup>. Other stages of this mite are parasitic on the bird itself.

## CLASS INSECTA

### Mallophaga

4. PHILOPTERIDAE: *Ardeicola expallidus* Blagoveshtchensky. Collected in Bo. Río Abajo, Cidra, Puerto Rico, February 1981 by E. Abreu on *Bubulcus ibis* (the common cattle egret). Determined by K. C. Emerson.

### DIPTERA

5. STREBLIDAE: *Trichobius intermedius* Peterson and Hurka. Collected at the Tropical Agriculture Research Station (formerly Mayagüez Institute of Tropical Agriculture), Mayagüez, Puerto Rico May 15, 1980, by Glen I. Garris on *Artibeus jamaicensis* (the noseleaf bat). Determined by F. C. Thompson.

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<sup>7</sup> Evans, G. O., A. Fain and J. Bafort, 1963. Decouverte du cycle evolutif du genre *Myialges* avec description d'une espèce nouvelle (*Myialgidae*: Sarcoptiformes). Bull. Ann. Soc. Roy. Entomol. Belg. 99 (34):486-500.