

THE DIPTERA OF THE BAHAMAS, WITH NOTES AND DESCRIPTION OF ONE NEW SPECIES.

BY CHARLES W. JOHNSON. (1908)

THE following Diptera were mostly collected by Messrs. Thomas Barbour, Glover M. Allen and Owen Bryant during their trip to the Bahamas in the summer of 1904. The specimens from Mangrove Cay, Andros, were collected by Mr. Bryant, who visited the island after Messrs. Barbour and Allen had returned to the United States.

This collection probably represents but a small percentage of the actual number to be found; it is however practically our first knowledge of the dipterous fauna of these islands, as only eight species have previously been recorded. The diptera of the West Indies have been, for the most part, studied somewhat superficially, owing to the limited amount of material that has been collected. The only exception to this is the island of St. Vincent, where Mr. H. H. Smith made a very extensive collection, which has been studied by Professors Williston and Aldrich,¹ who record upwards of 350 species. The combined lists of Roeder² and of Coquillett³ gives 193 species from Porto Rico. The writer in 1894⁴ recorded 115 species from Jamaica, since that time about fifty species have been added to the list. The number of species recorded from Cuba is about 250.

The species previously recorded have also been included, and the following list of over ninety species represent all that are known to occur on the islands up to the present time.

PSYCHODIDAE.

PSYCHODA ALBIPUNCTATA Williston?

One specimen, Mangrove Cay, Andros, Aug. 1. An imperfect specimen, agreeing with the description in having the hair on the thorax brown and the tibiae

¹ On the Diptera of St. Vincent (West Indies). By Professor Samuel Wendel Williston. *Dolichopodidae* and *Phoridae* by Professor J. M. Aldrich. (Trans. Entom. Soc. London, for 1896, pp. 253-446, pls. VIII to XIV.)

² Dipteren von der Insel Portorico, von V. von. Röder. (Entom. Zeitung zu Stettin, 1885, pp. 337-349).

³ Report on a Collection of Dipterous Insects from Puerto Rico. By D. W. Coquillett. (Proc. U. S. Nat. Mus., XXII, pp. 249-270, 1900).

⁴ List of the Diptera of Jamaica with description of new species. By Charles W. Johnson (Proc. Acad. Nat. Sci., Phila., 1894, pp. 271-280).

PSILOPA CAERULEIVENTRIS Loew.

One specimen, Nassau, July 28.

PSILOPA NIGRIMANUS Williston.

Four specimens, Nassau, June 28.

DISCOCERINA sp. ?

Two specimens, Mangrove Cay, Andros, Aug. 1.

OSCINIDAE.

HIPPELATES FLAVIPES Loew.

Numerous specimens, Nassau, June 28; Mangrove Cay, Andros, Aug. 1-4.

HIPPELATES PUSIO Loew.

Numerous specimens, Mangrove Cay, Andros, Aug. 1-4.

HIPPELATES PLEBEIUS Loew.

Six specimens, Nassau, June 28; Mangrove Cay, Andros, Aug. 1-4.

HIPPELATES PROBOSCIDEUS Williston.

Five specimens, Nassau, June 28.

HIPPELATES STRAMINEUS (Loew).

Three specimens, Nassau, June 28.

OSCINIS COXENDIX Fitch.

Four specimens, Mangrove Cay, Andros, Aug. 1-4.

DROSOPHILIDAE.

DROSOPHILA AMPELOPHILA Loew.

Numerous specimens, Nassau, June 28; Mangrove Cay, Andros, Aug. 1-4. The common "pomace fly," originally described from Cuba, it has become almost cosmopolitan.

DROSOPHILA PUNCTULATA Loew.

Two specimens, Nassau, June 28.

GEOMYZIDAE.

SPILOCHROA ORNATA (Johnson).

Heterochroa ornata Johns., Proc. Acad. Nat. Sci. Phila., 1895, p. 306.