

ODONATA OF BERMUDA

I have examined a small collection of adult Odonata from the Bermuda Islands, courtesy of Daniel J. Hilburn, Department of Agriculture and Fisheries, Hamilton, Bermuda. The insects were brought to me by Kevin D. Monkman of the University of Florida, Gainesville, and to both of these men I am grateful for the opportunity to see these specimens.

Bermuda is a compact group of low islands with a total area of 54 km² which lie about 930 km SE of Cape Hatteras, North Carolina, at the latitude of Savannah, Georgia, USA. The only Odonata habitats on Bermuda are a few marshes and ponds.

OGILVIE (1928, *The insects of Bermuda*, Bermuda Dept Agric.) listed from Bermuda *Ischnura hastata* (Say), *I. ramburii* Sel., *Anax*

junius (Dru.), *Pachydiplax longipennis* (Burm.), and *Tramea abdominalis* (Ramb.). These 5 species are also represented in the present collection, while the following 3 species are new Bermuda records. All specimens are in the Department of Agriculture collection, Botanical Gardens, Paget, Bermuda.

— *Pantala flavescens* (Fabr.): 2 ♂. Smiths Parish, 15 Sept. 1971, Idwal Walwyn Hughes.

— *P. hymenaea* (Say): 1 ♂. Smiths Parish, Spittal Pond, 15 Sept. 1971, I.W. Hughes.

— *Tramea carolina* (L.): 1 thorax with wings, Paget Parish, Botanical Garden, "migrant", 1 Sept. 1955, I.W. Hughes.

The 3 newly recorded libellulids might breed on Bermuda, or the September collection data perhaps indicate that they are only vagrants. In

any case these strongly flying species probably regularly invade Bermuda with the weather fronts which often sweep from the North American mainland.

OGILVIE (1928) also listed *Lestes unguiculatus* Hag., *Aeshna* sp., and *Erythemis haematogastra* (Burm.) from Bermuda, but he saw a specimen only of the *Aeshna*. These 3 records need verification. Only the 8 species listed previously can be regarded as certainly occurring on Bermuda, and all of them occur in the mainland United States.

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