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Notes on Canadian Diptera Brachycera, Ephydriidae

Contributions to the knowledge of the Diptera fauna  
of Madeira (Ephydriidae and Canaceidae)

Some contributions to the fauna of Diptera Brachycera,  
Ephydriidae of the Canary Islands

by

Richard G:son Dahl

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## Some contributions to the fauna of Diptera Brachycera, Ephydriidae of the Canary Islands.

Richard G:son Dahl

In his excellent work »Die Dipterenfauna der Kanarischen Inseln und ihre Probleme» RICHARD FREY 1936 gives a detailed description of all species known to science belonging to Ephydriidae and known from these islands. With 40 species recorded there seemed to be small possibilities to obtain many species in addition to this extensive list, but in a later work (FREY 1958 a) he notes four new species. This was his result of studies on a large material collected by Professor Dr. HÅKAN LINDBERG, Helsingfors, during three scientific journeys in the territory 1947, 1949 and 1950. — During a later journey in spring 1959 Prof. Lindberg again visited the islands Tenerife and Gran Canaria. From his excursions he brought some Diptera specimens belonging to the family Ephydriidae which are revised below. — Of this new material there are two species that are new to the islands, *Notiphila cinerea* Fall. and *Elephantinosoma chuumi* Beck. of which the latter one is of most interest.

### Notiphila Fall

*cinerea* Fall. — Tenerife: Valle de S. Andrés 4 IV, two specimens. Gran Canaria: Valle de Fataga 1 IV, one specimen. — Not previously recorded from the Canary Islands. — Distribution: The whole of Europe, North Africa, the Azores. — The genus is only known before from this territory by *maculata* Stenh.

### Psilopa Fall

*aequalipes* Beck. — Gran Canaria: Maspalomas 1 IV, one specimen; Valle de Fataga 1 IV, one specimen. — It is the merit of R. Frey (1958 a) to have distinguished this species from the *nitidula*-complex and listed it as a Canarian species. As almost identical to *compta* Meig. — only the more shadowed tibiae of *aequalipes* may be a help for a more easy identification — a genital dissection is necessary to prove the validity of species. The pointed forceps of *aequalipes* are, however, very characteristic. Distribution: Egypt, Tunis, the Isles of Cape Verdes.

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**Psiloposoma Frey**

*depressa* Frey. — Gran Canaria: Maspalomas 1 IV, fourteen specimens. — From this locality thosc specimens came. collected the 29th of August 1957, on which Frey (1958a) made his description of the species. It is also known from Fuerteventura.

**Hyadina Hai**

*guttata* Fall. — Gran Canaria: Valle de Pataga 1 IV, one specimen; Cruz de Tejeda 1 IV, one specimen. — Distribution: Europe, Madeira, the Azores

**Hydrellia K.D.**

*griseola* Fall. — Gran Canaria. **Saiita** Brigida 31 III, one specimen. Tenerife: Valle de S Andres 4 IV, one specimen. — Distribution: Europe, the Azores, Madeira, North Africa, South America

**Scatella R.D.**

*stagnalis* Fall. — Gran Canaria: Valle de Fataga 1 IV, one specimen. — Distribution: Eurasia, the Azores, Madeira, the Isles of Cape Verde, North Africa, America.

**Napaea R.D.**

*fossarum* Hal. — Tenerife: Valle de S. Andres 4 IV, three specimens. — Distribution: Europe, the Azores, Madeira, North Africa, South America

**Elephantinosoma Beck.**

*chnumi* Beck. — Gran Canaria: Maspalomas 1 IV, one specimen. — New to the Canary Islands. By Becker described from Egypt. This record is of a great geographic interest as it may form another example belonging to the group of species mentioned by Frey (1958a) that is known both from the oases of Egypt and as well as from Maspalomas.

The author wishes to express his sincere thanks to Professor Lindberg for having placed the material to his disposition.

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