A Preliminary List of the Dolichopidae of Iowa

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A PRELIMINARY LIST OF THE DOLICHOPIDAE OF IOWA

BERNARD G. BERGER AND H. E. JAQUES

The Dolichopidae are small flies not exceeding eight millimeters in length, and are almost always bright metallic green or blue in color. The adults are found especially abundant on plants around sand and mud, as well as on rocks and plants in the water. They are predaceous flies living on small, soft bodied insects. The genera Laxina, Condylostylus and Sciapus may be found on leaves of shaded flowers in search of food. These flies may be readily distinguished from the members of other families by the absence of a cross vein between the discal and the second basal cell, these uniting to form a single cell. Male Dolichopids possess a great variety

Fig. 1. Dolichopus lobatus Lw.

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of secondary sexual characters. These characters are found on the
tarsi, tibiae, femora, antennae and many other places. These are
thought to be ornaments which are exhibited before the females.

The list herewith submitted contains fourteen genera, and fifty-nine species. Specimens of each of these species are in the Iowa Insect Survey Collection at Iowa Wesleyan College. The determinations have been made or checked by Mr. Greene and Mr. Fred C. Harmston for which the authors extend grateful recognition. Catalog numbers used are taken from "A Catalog of the Diptera of Iowa," by H. E. Jaques, an unpublished catalog used for the Iowa Insect Survey.

143-11 Sciapus scintillans Lw.
143-14 Sciapus unifasciatus Say.
143-16 Sciapus comatus Schiner
143-31 Condylostylius siphO Say.
143-32 Condylostylius furcatus V. D.
143-51 Laxina patibulatus Say.
143-52 Laxina scobinator Lw.
143-53 Laxina caudatus Wd.
143-54 Laxina flavipes Ald.
143-55 Laxina incrunis Lw.
143-56 Laxina calcaratus Lw.
144-3 Diaphorus leucostoma Loew
144-7 Diaphorus sodalis Lw.
144-8 Diaphorus spectabilis Lw.
145-4 Chrysotus barbatus Lw.
145-9 Chrysotus cornutus Lw.
146-2 Chrysotus obliquus Lw.
146-3 Chrysotus pallipes Lw.
146-7 Chrysotus picipicornis Lw.
147-1 Argyra albicans Lw.
148-81 Syntormon cinereiventris Lw.
149-2 Sympycnus lineatus Lw.
149-3 Sympycnus nodatus Lw.
149-51 Neurigona aevista VanD.
150-5 Neurigona rubella Lw.
152-1 Hydrophorus aestuuum Lw.
152-41 Scellus exustus Wlk.
153-3 Dolichopus absonus V. C. & A.
153-4 Dolichopus acuminatus Lw.
153-41 Dolichopus barbicuda V. C. & A.
153-42 Dolichopus batillifer Lw.
153-43 Dolichopus bifractus Lw.
153-46 Dolichopus calcaratus Ald.
153-48 Dolichopus comatus Lw.
153-49 Dolichopus canadensis V. D.
154-4 Dolichopus cuprinus Wiedemann
154-5 Dolichopus dakotensis Ald.
154-9 Dolichopus detersus Lw.
154-17 Dolichopus flagellitenens Wheel.
155-5 Dolichopus indigena V. C. & A.
155-8 Dolichopus lobatus Lw.
155-10 Dolichopus longipennis Lw.
155-18 Dolichopus ovatus Lw.
155-19 Dolichopus pachycnemus Lw.
155-25 Dolichopus myosota O. S.
156-6 Dolichopus ramifer Lw.
156-10 Dolichopus retinens V. C. & A.
156-12 Dolichopus scapularis Lw.
156-20 Dolichopus socius Lw.
156-22 Dolichopus sarotes Lw.
157-4 Dolichopus terminalis Lw.
157-7 Dolichopus variabilis Lw.
158-5 Gymnopternus crassicauda Lw.
158-12 Gymnopternus frequens Lw.
159-2 Gymnopternus meniscus Lw.
159-11 Gymnopternus scotias Lw.
159-17 Gymnopternus minutus Lw.
160-53 Pelastoneurus lamellatus Lw.
160-58 Pelastoneurus vagans Lw.