

DIPTERA FILE

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NEW DIPTERA IN THE U. S. NATIONAL MUSEUM.

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593-618

In the course of identifying the New Jersey diptera for Dr. J. B. Smith's excellent list of the insects of that State, Mr. C. W. Johnson, curator of the Wagner Free Institute, of Philadelphia, encountered quite a series of specimens belonging to obscure groups which he was unable to identify within the limited time allowed him for this purpose, and consequently submitted them to the writer for study. Mr. Johnson permitted the retention for the U. S. National Museum collection of specimens pertaining to species not already represented therein, the only conditions being that the data from the labels be sent him, together with the names of the known forms and manuscript names of such as were believed to be new to science. As these manuscript names have now been published it is deemed advisable to publish descriptions of these species and thus render permanent the names which would otherwise have no value. Accordingly, these descriptions are offered herewith, together with a number of those of other forms encountered when identifying specimens for correspondents, or while studying and comparing the Museum collection. These make a total of 2 genera and 71 species.

Family MYCETOPHILIDÆ.

BOLITOPHILA MONTANA, new species.

Dark brown, the base of the third antennal joint, peduncle of the halteres, coxæ, femora and tibiæ light yellow, sides of mesonotum largely brownish yellow, mesonotum polished; wings hyaline, stigma elongate oval, gray; auxiliary vein reaches only slightly beyond middle, between humeral cross vein and base of third vein, anterior branch of third vein terminates in the costa, fourth vein at its base coalescing for a short distance with the upper branch of the fifth near its base; length, 4.5 mm. A female specimen, collected by Mrs. A. T. Slosson.

Habitat.—Mount Washington, New Hampshire.

Type.—Cat. No. 5438, U.S.N.M.

reddish, legs palpi yellow; body polished, slightly scabrous, reddish yellow, a median vitta on mesonotum and a dorsal spot on the first abdominal segment, black; legs reddish yellow, apices of tarsi brown; halteres light yellow; wings smoky gray, sometimes nearly hyaline in some of the cells, unusually short and broad; length, 4 to 5.5 mm. Four males and two females.

Habitat.—Baldwin, Kansas (May, J. C. Bridwell); and Texas (Nathan Banks).

Type.—Cat. No. 5507, U.S.N.M.

Family DROSOPHILIDÆ.

PHORTICA VITTATA, new species.

→ *Stegana*

Head yellow, a black ocellar dot, continued as a pale brown vitta attenuated anteriorly and reaching lower edge of the front, at which point is a black dot, a black dot beneath base of each antennæ, one at base of each vibrissa extending as a pale brown streak on the adjacent cheek, a black mark above insertion of the neck, antennæ and proboscis yellow, palpi velvet black; thorax and scutellum yellow, mesonotum polished, marked with 4 to 7 black vittæ, pleura marked with a broad black median vitta; abdomen yellow, middle of dorsum largely brown or black, most extended on the hind margins of the segments, two lateral vittæ, not visible from above, and apex of venter brown; legs whitish, a brown band near apex of each middle and hind femur; wings dark brown, becoming hyaline along the hind margin; halteres yellow; length, 3 to 4 mm. Three specimens.

Habitat.—Avalon (June 8), and Delaware Water Gap, New Jersey July 12, C. W. Johnson); and New York (Nathan Banks).

Type.—Cat. No. 5508, U.S.N.M.