BRIEF DIAGNOSES OF SOME DIPTERA OCCURRING IN
NEW ENGLAND.

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The following very brief descriptions, enumerating the salient points in the detailed descriptions of several species, of Diptera are given herewith in order that the names may be included in Mr. Johnson's forthcoming list of the Diptera of the New England States. The detailed descriptions will be found in a contribution to a monograph of the Syrphidæ and a revision of the genus *Rhaphium* prepared by the writer.

Microdon pseudoglobosus new species.

Brownish and reddish, with darkened wings; third antennal joint of almost equal width throughout and a little shorter than the first two combined; ocellar triangle small, equilateral; apex of scutellum with a wide even concavity the broad points moderately projecting. Hind basitarsi of ♂ greatly swollen. Length, 7 to 8 mm.

♂, Lucaston, N. J., Sept. 14, 1917, (Daecke); ♂ same locality, June 27, 1902; ♀, Hammonton, N. J., Sept. 6, 1902; ♀, Da Costa, N. J., July 1, 1905; ♂, Cape May, N. J., July 8, (Viereck); ♂, Aweme, Manitoba, Aug. 11, 1920, (Robertson); Chittenden, Vt., Aug. 15 (Bequaert), and specimens mentioned in detailed description.

Microdon conflictus new species.

Chiefly brownish, the abdomen sometimes partly reddish; wings largely dark brown; third antennal joint but little longer than the first; ocellar triangle small, wider than long; apex of scutellum with moderately wide, deep concavity, the broad points long; hind basitarsi of ♂ greatly swollen. Length, 9 to 11 mm. Much darker than the preceding, the wings more heavily clouded.

♂, Great Falls Va., June 22: ♀, Lawrence, Kans., June 18, (Curran); ♀, N. J.; ♂, Washington, Mass.; ♂, Bar Harbor, Maine, (Johnson), and those mentioned in detailed description.

Microdon ocellaris new species.

Hind basitarsi not unusually swollen. Eyes with sparse, microscopic hairs (rarely extremely difficult to see); color metallic dark green, densely punctured, the reflection not vivid; pile of head whitish to pale yellowish; of body yellowish, or greyish white; third antennal joint shorter than the first; ocellar triangle much broader than long; vertex considerably swollen; apex of scutellum with widely separated, strong spines, much as in *tristis*. Length 12 to 15 mm.

♀ Linglestown, Pa., June 14, (Champlain); ♂, Lyme, Conn., Aug. 30, 1911, (Champlain); ♂, Lyme, June 1, 1918; 2♂, Linglestown, June 3, 1919; ♂, Lyme, April 30, 1911, (all Champlain); 2♀, Darien, Conn., June 12, 1915, (Johnson); 2♀, Newton, Mass., May; ♂, Framingham, Mass., (Frost).

Microdon manitobensis new species.

Eyes bare; hind basitarsi not unusually swollen; first antennal joint as long as the following two; ocellar triangle a little wider than long; head and thorax yellow pilose, the latter usually with more than the posterior half bright tawny pilose, the scutellum almost invariably so; spines of scutellum small, moderately separated. Length, 11 to 13 mm. Nearest *cothurnatus* but more robust, the tawny pile on scutellum and structural characters distinguishing it.

Fifteen specimens of both sexes, Megantic, Que., June, (Curran); Capens, Me., July 15, Oquossoc, Me., July 2 and Southwest Harbor, Me., June 22, (Johnson); 2♂2♀, Elmboro, Sask., (Jewsbury); 2♂, Ottawa, Ont., June, (Curran); several specimens, Manitoba, (Hunter). Not rare about large ant hills.

Cerioides proxima new species.

Differs from *abbreviata* Loew as follows: There is no small roundish or oval yellow spot at the outer end of the thoracal suture; the black surrounding the antennal pedicel is angulate on either side above, not rounded; the abdomen is a little more narrowed at the base.

Female, Guelph, Ont., June 8, 1923, (Curran); ♂, Orono, Me., June 26, 1917; ♂, Agr. Exp. Sta., Orono, June 16, 1915, (both Metcalf); ♂ ♀, Metagamon, Me., July 4, 1901; Bennington, Vt., June 18 (Johnson); 2 ♂ 4 ♀, Megantic, Que., June 12-21, 1923, (Curran); 2 ♀, Ottawa, Ont., May; ♀, Boucher, Saks.; ♀, Vernon, B. C., July, 2, (Ruhmann).

The genus *Rhaphium* as here used, includes *Porphyrops* and *Xiphandrium*.

Rhaphium subarmatum new species.

Allied to (*Leucostola*) *slossonæ* Johns. but the posterior tibiæ are wholly black; face silvery white, beard white; third antennal joint acute, three times as long as wide. Length, 6 to 6.5 mm.

♂ ♀, Oromocto, N. B., July 9, 1913, (A. B. Baird); 2 ♀, Franconia, N. H., 5 ♂ 1 ♀, same data as type pair; ♀ Gornish, N. B., July 11, 1913.

Rhaphium gracilis new species.

Face and beard white; front bright green legs chiefly yellow, the posterior tibiæ and tarsi brown; outer genital lamellæ triangular, broad, jagged apically, the inner ones very slender, long; middle coxæ with black apical spine; arista shorter than the long, ribbon-like third antennal joint. Length, 5.5 mm.

3 ♂, 1 ♀, Beverly, Mass., May and June, (Riley Collection).