

FORMICOIDEA.

MYRMICIDÆ.

Leptothorax canadensis obscurus n. subsp.—Length 2-3 mm. ♂. Clypeus longitudinally impressed medially, the impression rather broad, somewhat smooth and shining, to each side there are longitudinal well-marked striæ. Head longitudinally rugulosely striate, appearing finely dull striate under a low-power lens, hairs very sparse, mandibles striate, five toothed, apical tooth longest. Antennæ eleven jointed, scape and flagellum covered with appressed pubescence. Prothorax reticulately striate, mesothorax rather rugulosely striate closer, metathorax imperfectly reticulate, the teeth of metathorax diverging and extending a little beyond the posterior border of the metathorax, the thorax dorsally bears a few scattered, thickened hairs, sides of the thorax more closely sculptured, the mesonotum has the finest sculpture, that of the metanotum coarsest, this distinction is apparent when viewed by a hand lens. Suture between meso- and metanotum distinct though not deep. Legs very sparsely ciliate, first joint of petiole, as long as high, second joint wider than long, both dull, finely sculptured. Abdomen shining, with sparse short hairs. Head black, thorax and petiole not exactly black brownish black, abdomen black, apex of segments testaceous, Mandibles, antennæ and legs more or less dark ferruginous, part of femora and apical joints of flagellum darker than other parts.

Differs from the European *L. acervorum* by the impressed clypeus, finer sculpture and more distinct thoracic structure. This has not been compared with a specimen of *L. canadensis*, it may be specifically distinct.

Type, Coll. Acad. Nat. Sciences, Phila. Type locality, Beulah, N. M., Aug. 17, 1901 (H. Skinner). Thirteen ♂.

Myrmica rubra var. **schencki** Em.

One ♂, two ♀♀, two ♂♂. The males and females are almost entirely black, in the workers the head and abdomen are darkest.

DOLICHODERIDÆ.

*** Tapinomo sessile** Say.

(Det. André) (T. D. A. Cockerell).

Liometopum apiculatum Mayr.—♀ Length 14 mm.—Mandibles sparsely punctate, flagellum with one joint longer than the following joint, apical joint excepted. Head and thorax practically impunctate, smooth and shining, sericeous, in addition the head is less and thorax more thickly covered with a yellowish brown erect pubescence. Wings missing. Scale higher than wide, width above one-half width of the scale in the middle, deeply emarginate. Abdomen shining, minutely, closely punctate, sericeous and pubescent, fifth ventral abdominal segment keeled and emarginate.

Black. Mandibles, antennæ, tegulæ, coxæ and tarsi inclining more or less to ferruginous, apical edge of abdomen partly testaceous.

FOMICIDÆ.

Camponotus herculeanus var. **pennsylvanicus** De Geer.

One ♀, twenty ♂.

Lasius niger var. **neoniger** Em.

Eight ♀ ♀, six ♂ ♂. One ♀, July 27 (T. D. A. Cockerell). The females are more robust than those of the eastern forms of *americana* Em., though approximately equal in length (8.5 mm.), the wings are more ample, extending beyond apex of abdomen for one-half their length.

Lasius umbratus subumbratus n. subsp.—Length 7.5 mm.—Head and thorax sparsely, petiole and abdomen more thickly covered with erect slender hairs. legs practically nonpilose, pale ferruginous legs, testaceous, mandibles edged internally with black, basal half of wings clouded blackish brown, nervures at base of the wing dark.

Described from one ♀, more nearly related to typical *umbratus* than either of the other known varieties.

Type, Coll. Acad. Nat. Sciences, Phila. Type locality, Beulah, N. M., Aug. 17, 1901 (H. Skinner). Another ♀, July 27 (T. D. A. Cockerell).

Formica rufa var. **obscuriventris** Mayr.

Thirteen workers. The largest specimens measure 7 mm. in length, they have a darker head and thorax than New Jersey specimens, and with the erect hairs shorter and more plentiful on dorsal aspect of thorax and on head above and below. One ♀, July 27 (T. D. A. Cockerell), with wings clouded on basal half by a line on apical half.

Formica rufa var. **integra** Nyl.

Sixteen ♂ ♂, the largest 6 mm. in length, head and thorax, as a rule, somewhat paler than Pennsylvania specimens.

Formica pallida-fulva Latr.

One ♂ agreeing with Emery's interpretation.

Formica fusca subsericea Say.

Eight ♂ ♂.

Formica fusca var. **neoclara** Em.

Eight ♂ ♂.

Formica fusca var. **neogagates** Em.

Two ♀ ♀.

Formica fusca var. **densiventris** n. subsp.—Length 4.5–5 mm.—Underside of head without erect hairs. Head dull, dark fuscous above, paler below, scape same color as cheeks, head and thorax above with sparse few hairs, flagellum darker, especially near apex, thorax dull, dark above like head, along the suture a lateral irregular stripe and metathorax posteriorly paler, coxæ, femora and tibiæ dark like thorax above, anterior tibiæ slightly paler, but faintly shining, apices, trochanters and tarsi paler, tarsi with sparse hairs, scale not broadened as in *subsericea*, fuscous. Abdomen dull sericeous, dorsal segments with sparse short hairs.

Black. Apical segments pale. Two ♀ ♀.

Type, Coll. Acad. Nat. Sciences, Phila. Type locality, Beulah, N. M., Aug. 17, 1901 (H. Skinner). Two ♀ ♀, head of Dailey Canon, June 26 (T. D. A. Cockerell).

The following is submitted by Prof. Cockerell :

List of ants collected at Beulah, Sapello Canon, N. M., May 3, 1902, by T. D. A. and W. P. Cockerell, and determined by Prof. W. M. Wheeler.

1. *Camponotus pennsylvanicus* DeGeer (small var.).
2. *Myrmica rubra* L., sub sp. *scabrinodis* (small dark var.).
3. *Myrmica rubra* L., sub sp. *sulcinodoides* Em. (dark var.).
4. *Formica sanguinea* L., var. *subnuda* Emery, (originally described from British America).
5. *Formica fusca* L., var. *subsericea*.
6. *Formica fusca* L., sub sp. *subpolita* Mayr, var. *neogagates* Em.
7. *Formica rufa* L., var.
8. *Lasius niger* var. *neoniger* Em.
9. *Leptothorax canadensis* Provancher.
10. *Tapinoma sessile* Say. (small var.).

PROCTOTRYPOIDEA.

SCELIONIDÆ.

Scelio ashmeadi n. sp.—Black (legs excepted), wings hyaline, faintly milky.

♂ Length 4 mm.—Head striate anterolaterally, above the middle the head is rugoso-punctate, with sparse appressed pubescence, joints of flagellum dull sculptured. Pronotum, mesonotum and dorsolum rugoso-punctate, pubescent like head, furrows on mesonotum distinct, originating near anterior margin, terminating on posterior margin. Metanotum distinctly angled laterally, impressed medially, posterior half of impression ridged longitudinally, sides of the