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HYMENOPTERA TEXANA.

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The present memoir is intended to contain a list of all the species of hymenoptera known to me from Texas, excepting those belonging to the families Chrysididæ, Formicidæ and the smaller Chalcididæ, which have not been studied.

Besides the material in the collection of this Society, I have had placed at my disposal for determination and study, the splendid collection of Mr. G. W. BELFRAGE, made in Bosque Co., the fine collection in the Museum of Comparative Zoölogy at Cambridge, Mass., made by Mr. J. Boll, in Dallas Co., and a small collection of Mr. L. HEILIG-BRODT, made in Travis and Bastrop Counties. To these gentlemen, and also to Dr. H. HAGEN, of the Cambridge Museum, I feel greatly indebted for the valuable assistance they have rendered me in the preparation of this work.

Of the nineteen families studied in this paper, over six hundred species are enumerated, nearly three hundred of which appear to be new, and are herein described.

Unless otherwise indicated, the types of the new species are to be found in the collection of the American Entomological Society, which has been considerably enriched by liberal donations made by the above named gentlemen.

TENTHREDINIDÆ.

Cimbex americana, var. **Uimi**.

Cimbex americana, Leach, Zool. Miscel. iii. p. 104; Norton, Trans. Am. Ent. Soc. i., p. 40.

One ♂ specimen. (Boll.)

Abia Kennicotti.

Abia Kennicotti, Norton, Trans. Am. Ent. Soc. i., p. 47; iv. p. 77.

One ♂ specimen. (Belfrage.)

black, quadrate, abrupt laterally and abruptly truncate at tip, above minutely and transversely aciculated, the disc with four or five approximate longitudinal carinæ, posterior face transversely aciculated, the sides longitudinally so; tegulæ ferruginous; wings tinged with yellowish-fuscous; legs short, robust, pale ferruginous, anterior coxæ black, all the femora incrassate; abdomen elongate ovate, smooth and polished, black, immaculate, apex ferruginous. Length .26 inch.

One specimen. (Coll. G. W. Belfrage.) A very conspicuous species, resembling *rufipes* in general form, but much larger and differently colored.

Epyris rufipes.

Bethylus rufipes, Say, Long's 2d Exped. ii., p. 329.

Two specimens. (Belfrage.)

DORYLIDÆ.

Labidus Sayi.

Labidus Sayi, Hald. Stansb. Salt Lake Exped. Append. p. 367, pl. 9, fig. 1-3.

Three ♂ specimens. (Belfrage; Heiligbrodt.)

Labidus mexicanus.

Labidus mexicanus, Smith, Brit. Mus. Cat. vii. p. 7.

Eight ♂ specimens. (Belfrage.)

Labidus Harrisii.

Labidus harrisii, Hald. Stansb. Salt Lake Exped. Append. p. 367, pl. 9, fig. 4.

Eleven ♂ specimens. (Belfrage.)

Labidus nigrescens, n. sp.

♂.—Black, clothed with a short appressed yellowish silky pubescence, long on vertex and face; eyes smaller than usual, prominent; ocelli approximate, a broad space between them and the eyes; before anterior ocellus two prominent longitudinal ridges; mandibles robust, reddish at tips; antennæ as long as head and thorax, dark ferruginous; thorax above gibbous anteriorly and posteriorly, rather closely and finely punctured; mesothorax with a central longitudinal ridge extending from disc to anterior margin; wings uniformly pale fuliginous, stigma tolerably large and with the nervures black, marginal cell elongate triangular, pointed at apex, second submarginal cell irregularly elongate quadrangular, narrower at apex, receiving the recurrent nervure about one-third from base; legs slender, rufo-piceous, knees and tarsi paler, tip of posterior tarsi not quite reaching to apex of abdomen; abdomen strongly sericeous, densely and minutely punctured, apical margin of the segments slightly constricted and rufo-piceous, the peduncle very transverse, base broadly not deeply concave with sides rounded, apex truncate, pubescent, angles subobtuse, lateral margin not raised, apical segment rounded, not compressed, except at the extreme apex which is acute and ferruginous, apical ventral segment ferruginous, produced at tip into a bilobate, bicarinate, scale-like process, the tip of each lobe acute and somewhat recurved. Length .45 inch.

One specimen. (Coll. G. W. Belfrage.)

Labidus minor, n. sp.

♂.—Rufo-testaceous, covered with a very short appressed yellowish silky pile; head black, face and mandibles ferruginous; eyes large and prominent; ocelli prominent, glassy, each posterior ocellus much nearer to the eye than to each other; mandibles long, slender, curved, acute at tips; two short longitudinal obtuse ridges above insertion of antennæ; antennæ not as long as head and thorax, rufo-testaceous, subcompressed at tips, scape robust; thorax strongly gibbous in front, much less so behind, closely and finely punctured, more or less tinged with brown above; mesothorax with a well-impressed central longitudinal line on anterior half and a finely impressed line on each side over the tegulæ; wings hyaline, iridescent, stigma conspicuous, fuscous, perures hyaline, marginal cell elongate triangular, pointed at tip, second submarginal cell long and narrow, base and apex rounded, receiving the recurrent nervure a little before the middle; legs slender, shorter than usual; abdomen subcompressed, sericeous, peduncle transversely quadrangular and subconvex, base declivous and slightly concave, sides rounded, apex truncate, the angles subacute, sides scarcely raised; apical ventral segment furnished with two stout acute recurved teeth, between which is a minute acute tooth, sometimes indistinct. Length .35 inch.

Nine specimens. (Belfrage.) Smaller than *Harrisi* which it closely resembles, but the pubescence on the former species is much longer and coarser, the antennæ longer, the wings darker, etc.

Labidus Melshæmeri.

Labidus Melshæmeri, Hald. Stansb. Salt Lake Exped. Append. p. 368, pl. 9, fig. 7.

Three ♂ specimens. (Belfrage.)

MUTILLIDÆ.

Mutilla Grotei.

Mutilla Grotei, Blake, Trans. Am. Ent. Soc. iii. p. 228.

Four ♂ specimens. (Belfrage; Boll.)

Mutilla Promethea.

Mutilla Promethea, Blake, Trans. Am. Ent. Soc. iii., p. 229.

Three ♂ specimens. (Belfrage; Boll.)

Mutilla Sayi.

Mutilla Sayi, Blake, Trans. Am. Ent. Soc. iii., p. 229.

Three ♂ specimens. (Belfrage.)

Mutilla ornativentris.

Mutilla ornativentris, Cress. Proc. Ent. Soc. Phil. iv., p. 438.

Seven ♀ specimens. (Belfrage; Boll.)

Mutilla scrupea.

Mutilla scrupea, Say, Bost. Journ. Nat. Hist. i., p. 297.

One ♂ specimen. (Belfrage.)