

SOME BEES COLLECTED BY THE REV. G. BIRKMANN AT
FEDOR, TEXAS.

BY T. D. A. COCKERELL, BOULDER, COLO.

Emphoropsis Birkmanni, n. sp.

♀.—Length about 15 mm.; similar in size, build and pubescence to *E. floridana* (Sm.), except that the hair of thorax above is entirely bright orange-fulvous; hair of occiput and vertex (except some black hairs at sides, but including the conspicuous interocellar tuft) is pale orange-fulvous; and the wings are not so dark. From *E. rugosissima*, Ckll., it differs by the colour of the pubescence of the thorax, and the long hair at sides of first abdominal segment black (white in *rugosissima*). The lateral hind margins of the first segment have a white fringe, which is the more conspicuous by contrast with the black in front of it. The hair of the legs, abdominal venter, pleura (except the upper part, as in allied forms), cheeks and clypeus is black.

Hab.—Fedor, Texas, 2 ♀'s (*Birkmann*). March 29 and 30. The *floridana* group includes several closely allied forms, separable in the ♀ thus:

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| Hair of cheeks black..... | 1. |
| Hair of cheeks white; of thorax above bright orange-fulvous..... | 3. |
| 1. Hair of occiput black (Fla., Ga.)..... | <i>floridana</i> (Sm.). |
| Hair of occiput whitish or fulvous..... | 2. |
| 2. Hair of thorax above yellowish-white (Nevada)..... | <i>rugosissima</i> , Ckll. |
| Hair of thorax above bright orange-fulvous (Texas)..... | <i>Birkmanni</i> , Ckll. |
| 3. Hair of face and vertex with black intermixed (Wash.)..... | <i>pascoensis</i> , Ckll. |
| Hair of face and vertex without black intermixed (Colo., New Mexico)..... | n. sp., Viereck, ined. |

E. floridana (Sm.) also occurs at Fedor, the ♀ taken March 25, the ♂ April 9. The insect, however, is not typical, but may rank as a variety, thus:

Emphoropsis floridana, var. *Fedorensis*, n. var.

♂.—Hair of occiput black, of thoracic dorsum and first abdominal segment white, with practically no yellow tint; spurs yellowish-white (black, with reddish ends, in *floridana*); apical plate of abdomen narrower at end.

♀.—Hair of first abdominal segment with much black (all light in *floridana*); pygidial plate broader at end, truncate, with five transverse file-like lineolæ. Although the hair of the thorax above (yellowish-white July, 1905