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Some Little-known Bees of the Genus *Colletes*.

BY T. D. A. COCKERELL.

The following table and notes are based on specimens in the British Museum, the species of F. Smith being represented by the types, and those of Spinola apparently by cotypes.

A.—Abdomen not at all blue or green.

Large, *Andrena*-like, thorax with conspicuous ochreous or fulvous pubescence; abdomen without conspicuous continuous hair-bands, or with none 1.

Smaller, of ordinary *Colletes*-form 3.

1. Malar space longer than broad; size larger than the others; stigma practically obsolete; second recurrent nervure with only a gentle single curve (Chile).

nigroventris Sm. (probably same as **nigroventris** Spinola).

Malar space much broader than long; stigma distinct 2.

2. Abdomen distinctly subfasciate; second recurrent nervure with a strong double curve; second and third submarginal cells about equally broad above **thoracica** Sm. ♀.

Abdomen not fasciate; second recurrent nervure with a slight double curve; second submarginal cell extremely broad, much broader than third **intricata** Sm. ♀.

3. First abdominal segment with strong punctures; disc of thorax with ochraceous or fulvous hair, not at all mixed with black; abdomen with broad continuous hair-bands 4.

First abdominal segment without strong punctures; disc of thorax with dull white or griseous hair, mixed with black; abdomen only subfasciate 5.

4. Larger; stigma dark brown; thoracic pubescence short and fulvous.

perplexa Sm. ♀.

Smaller; stigma orange-fulvous; tarsi light red . **mandibularis** Sm. ♂.

5. Abdomen obconical, shining; stigma ferruginous; hair of face dull white **nitida** Sm. ♀.

Abdomen broader and duller; stigma very dark; hair of face longer and with much black at sides **grisea** Sm. ♀.

B.—Abdomen blue or green.

Dorsum of thorax covered with short, dense, very bright red hair; abdomen brilliant dark purple-blue; malar space fairly large, but broader than long; stigma distinct but small; second recurrent nervure with a strong double curve (Mendoza, Argentine).

bicolor Sm. ♀.

Dorsum of thorax without such red hair. 1.

1. Abdomen bluish green; malar space longer than broad; stigma small but distinct; second recurrent nervure with a double curve (Chile) **albopilosa** Spinola.

Abdomen brilliant dark blue, shot with purple; hair of thoracic dorsum entirely black; malar space much broader than long; stigma small but distinct, second recurrent nervure only slightly curved (Chile).

cyaniventris Spinola (syn. of **cyanescens** Haliday).

The following additional details will be useful:

C. ursina Sm. ♀. Columbia. Close to *C. grisea*. Malar space very large, much longer than broad; hair of head and thorax black and grey mixed; stigma small, piceous; second recurrent nervure with a strong double curve.

C. nitida Sm., *C. thoracica* Sm., *C. mandibularis* Sm. (♂), and *C. perplexa* Sm., all have the malar space short, at least twice as broad as long. *C. grisea* Sm., has it large, not greatly broader than long. *C. intricata* Sm., has it fairly long, but still much broader than long.