

THE AMERICAN BEES OF THE GENUS *ANDRENA* DESCRIBED BY F. SMITH.

BY REV. F. D. MORICE AND T. D. A. COCKERELL.

[In 1891 Mr. Chas. Robertson wrote (Tr. Am. Ent. Soc., XVIII., 49): "After careful study, I have been unable to determine more than two of Smith's species" of *Andrena*; and went on to explain that Smith's descriptions omitted certain characters which were necessary for the exact determination of the species. It is probable that Mr. Robertson did not have before him many of Smith's species, and hence, naturally, could not recognize them in his material; but it is nevertheless true that the determination of Smithian *Andrena* from the description alone is often a matter of great uncertainty.

Under these circumstances, I ventured to ask the Rev. F. D. Morice, who has done such excellent work on European *Andrenæ*, if he would examine Smith's types in the British Museum, and report on certain characters which I enumerated. This he has kindly done. Writing under date, January 29, he says: "I have been in London for a few days and examined Smith's *Andrena* types at the British Museum. Here are the notes I made upon them. I could not always get a really satisfactory view of the labrum, but have done my best. Some specimens are very dirty, and the light in the insect room is not good for minute investigations. In each case the specimen described is that which bears a label stating it to be the 'type' of the species. With *fastuosa* (♀) is placed a ♂, apparently belonging to it, but I do not know whether the latter has ever been described. I could only find a description of the ♀. Pray use my notes just as you please." In the following article, the notes by Mr. Morice are all included within inverted commas, and will thus be easily distinguished from my own comments.—T. D. A. C.]

*Andrena aliena*, Smith, 1853.

- ♀. "Area transversely striated; abdomen greasy, but seems to be smooth between the punctures; tubercle emarginate." Here and in all the notes given below, "area" means the basal area of the metathorax, propodeum, or median segment. "Tubercle" means the basal tubercle or process of the labrum.

This species, from Florida, would seem to fall close to *A. Forbesii*, Rob., but it is evidently not the same.

*Andrena victima*, Smith, 1853.

- ♀. "Tubercle truncate; area rugose at its base; abdomen punctured like *trimmerana*, not the least like *convexiuscula*."