XXIV. On the South American species of Diabrotica.

Appendix. By Charles J. Gahan, M.A., F.E.S., Assistant in the Zoological Department, British Museum.

[Read November 4th, 1891.]

The following list contains the names of species, a few of which, through oversight, have been omitted from the lists given by Mr. Baly and myself, but the great majority of which have been reserved for treatment in this Appendix. It can be readily understood that many of the older descriptions, either from their brevity or their want of structural detail, do not admit of the exact determination of the species upon which they were based. The difficulty becomes all the greater in a group like the present, in which many of the species have the closest resemblance in colour and markings, but differ by structural characters, such as the relative lengths of the joints of the antennæ, the form of the tibiae, the punctuation of the elytra; &c. These descriptions are in some cases, however, sufficiently detailed to enable me to give the position of the species with a near approach to accuracy. Some of the names must take priority of those given by Mr. Baly, who had probably been unable to see the original descriptions. Where the name of a species is not followed by a note, it may be understood that I could not form any conclusion as to its identity.


(Sect. 2. Probably nearest allied to *D. dimidiata*, Baly).

*Peru.*

*D. abrupta*, Fabr., Syst. Eleuth., i., p. 453; Oliv., Ent., vi., p. 653, t. 4, fig. 68. (*=*D. confra-terna, Baly. Sect. 1, No. 104).*

*Amer. mer.*

* The number after a species signifies that it bears that number in either Mr. Baly's paper on the species of Section 1, or my paper on the species of Section 2.

TRANS. ENT. SOC. LOND. 1891.—PART IV. (DEC.) 2 N
Mr. Charles J. Gahan on the

D. admirationis, Oliv., Ent., iv., p. 654, t. 4, fig. 69. (Probably a variety of D. scripta, Oliv., Sect. 1, No. 9). Guiana.


D. amplexa, Erichs., l. c., p. 168. Peru.

D. angulicollis, Erichs., Schomb. Reis. Guyana, iii. (1848), p. 577. (This is one of the many varieties of D. 10-guttata, Oliv., Sect. 2, No. 76; it may be open to question whether Baly's determination of the latter species is correct). Brit. Guiana.


D. basalis, Jacoby, l. c., p. 605, pl. 55, fig. 8. (To follow D. divisa, Baly, Sect. 2, Species No. 136). Ecuador.


D. bivittata, Fabr., Syst. Eleuth., i., p. 455. (This species appears twice, under Diabrotica, in Gemm. & Harold's Catalogue; first as a distinct species, and subsequently as a synonym, of pallipes, Oliv. But it cannot be identical with the latter, since it is described as having smooth elytra). Cayenne.


D. decolor, Erichs., l. c., p. 167. Peru.


South American species of Diabrotica. 523

*D. gracilenta*, Erichs., *l. c.*, p. 166. (*D. limitata*, Baly. *Sect. 1.* The name *limitata* had been previously used for another species of this genus; see below. Peru.


*D. peruana*, Jacoby, *P. Z. S.*, 1878, p. 151. (The description applies in most particulars to a species very closely allied to *D. Hebe*, Baly. In a variety of this species the elytra are entirely pale yellow).

*D. praedita*, Erichs., *l. c.*, p. 166. Peru.


*D. quadrimaculata*, Jacoby, *P. Z. S.*, 1880, p. 605, pl. 55, fig. 5.

*D. quadrilineata*, Latr., in *Humb. et Bonpl., Obs. de Zool.*, vol. ii., p. 69, pl. 34, fig. 10. (*D. albidovittata*, Baly. *Sect. 2, No. 5*).

*D. quadrivittata*, Latr., *l. c.*, p. 25, pl. 31, fig. 12. (*D. similata*, Baly. *Sect. 2, No. 16*).

*D. quinquelineata*, Latr., *l. c.*, p. 70, pl. 34, fig. 11. (*D. alternata*, Baly. *Sect. 2, No. 56*).

* D. litterata, Sahlb., *l. c.*, p. 70, pl. 4, fig. 5. (*D. delineata*, Jac., *Biol. Cent. Am*). Mexico.
524 South American species of Diabrotica.

_D. rufina_, Erichs., l. c., p. 168.
_D. sanguinicollis_, Jacoby, Cist. Ent., ii., p. 524. (Sect. 2).
_D. scapularis_, Bohem, Res. Eugen., p. 179.

_D. togata_, Harold, Col., Hefte xiii., p. 92.

_D. zonata_, Harold, l. c., p. 91. (This is a variety of D. adonis, Baly. Sect. 2, No. 35). Colombia.

In _D. sexplagiata_, Jacoby, and _D. nigroguttata_, Baly, the claws of the tarsi are appendiculate. These two species have all the characters of Neobrotica. _D. 12-signata_, Baly, also has appendiculate claws, and must be removed from the genus.

The following corrections must be made in Mr. Baly's paper, "On the South American species of Diabrotica. Part I." (Trans. Ent. Soc. Lond., 1890):—Page 48, under Species 85, for Ent. Soc. read Linn. Soc. P. 57, Species 100, for Diabrotica atrivittata read D. atrilineata. P. 58, Species 102, for atrilineata substitute atrivittata, and delete the reference, "Ent. Month. Mag., xxv., p. 252." P. 67, Species 117, after Hab. read Cayenne, instead of Brazil, Rio Janeiro. (The single type-specimen is ticketed with the former locality). In the references in the same paper to Proc. Zool. Soc., 1889, for pp. 92, 93, 94, and 95, read respectively pp. 88, 89, 90, and 91.