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**Hippodamia variegata, Goeze, and its aberrations.**

By G. B. C. LEMAN, F.E.S.

1. With reference to my ab. *scutellopunctata*, (formula:  $\frac{1}{2}$ ) described in *Ent. Rec.*, XXXIV, No. 2, p. 25 (1922), my friend Mons. Lestage has drawn my attention to a similar aberration described by Dr. G. Della Beffa in 1913 under the name ab. *scutellaris*, and as this latter has priority, my name sinks as a synonym.

I have, only after much difficulty and through the courtesy of Dr. G. Della Beffa, obtained a copy of his work (with plates), "Revisione dei Coccinellidi Italiani, Parte prima. Epilachninae—Coccinellinae," published in separata form in 1913, in which his ab. *scutellaris* is figured on Pl. II, fig. 86.

2. ab. *beffae*, n.ab.

This aberration, included by Dr. G. Della Beffa in his group of var. *abbreviata*, Ws., has the formula of: 1, 3 +  $\frac{1}{2}$ , 4 + 5, 6.

It combines the two separate confluences found in ab. *abbreviata*, Ws. (1, 3, 4 + 5, 6,  $\frac{1}{2}$ ) and ab. *donisthorpei*, Lemans (1, 3 +  $\frac{1}{2}$ , 4, 5, 6). It may be noted that ab. *abbreviata*, Ws. (B-T. 1879), has the distinct formula 1, 3, 4 + 5, 6,  $\frac{1}{2}$ .

I have named this aberration after Dr. G. Della Beffa, as a slight acknowledgment of his great work on Italian Coccinellids.

3. ab. *lestagei*, nov. nom.

I find the name of ab. *triangularis* given by me to the aberration with formula of 1, 2, 3 +  $\frac{1}{2}$ , 4 + 5 + 6 (in irregular blotch) in *Ent. Rec.*, XXXVI, No. 1, p. 12 (1921) is also pre-occupied by Dr. G. Della Beffa for his aberration with formula 1, 2, 3, 4 + 5 + 6 (in irregular blotch),  $\frac{1}{2}$ . I have therefore given my aberration the above new name after my friend, Mon. Lestage, whose work on Belgian Coccinellids is well known.

Ab. *triangularis*, Beffa, appears to be, however, a synonym of ab. *turcmenica*, Zoubk.

4. Dr. G. Della Beffa in his same work describes the following four new aberrations, and as his work does not appear to be readily obtainable, it may be of interest to quote them here briefly:—

(a) ab. *vagusae*, Beffa. Formula—2, 4, 6,  $\frac{1}{2}$ .

(b) var. *8-punctata*, Beffa. Formula—1, 4 + 5, 6.

(c) ab. *piedmontana*, Beffa. Formula—2, 3, 4, 6,  $\frac{1}{2}$ .

(d) ab. *portae*, Beffa. Formula—(1 + 3 + 5) + (2 + 3 +  $\frac{1}{2}$ ), 4, 6.

5. Dr. G. Della Beffa has also kindly sent me his separata on "Anomalie cromatiche osservate nello studio dei Coccinellidi" (24 figures), originally published in 1914 in the *Rivista Coleopterologica Italiana*, Anno XII, N. 8-12, which includes descriptions and figures (2-4) of three abnormal specimens of this species.

Fig. 2 shows on left elytra an additional spot near the suture between spots 5 and 6. Otherwise this specimen conforms to formula of ab. *similis*, Schr. (1, 2, 3, 4, 5, 6,  $\frac{1}{2}$ ).

Fig. 3 shows on both elytra an additional spot near the margin a little brighter than spot 5. Otherwise this specimen also conforms to the formula of ab. *similis*, Schr.

Fig. 4 shows again on the left elytra only an additional spot near the suture just below where the  $\frac{1}{2}$  spot would be if same were present. Otherwise this specimen conforms to the formula of ab. *6-punctata*, Fabr. (4, 5, 6).

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