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Hepialus hecta, L. ab. **ornata** ab. nov. (Fig. 12).

One male has the post-medial band well developed and 6 spots on the margin. On the hindwing there are two rows of interneural silvery spots, one post-medial row of 4, and a complete marginal row of 7 spots.

Holotype: ♂, Thundersley, 4th July 1911, leg. A. T. Stiff.

ab. *ornata* comes nearest to ab. *strigosa*, Hartig, but this form has only one row of radial intervenal spots on the hindwing; *strigosa*, Hart. can be considered as a *decorata*, Krul. with the same pattern also on the hindwing, while in ab. *ornata* there are two rows.

Hepialus hecta, L. ab. **inversa** ab. nov. (Fig. 14).

One female has all the white markings very much enlarged; the whole ground of the forewing is greyish white. Of dark markings there are present: 4 costal dots, one elongated mark in the upper cell, one large claviform mark at the base below the lower cell and a darker band outside of the post-medial line.

Holotype: ♀, St Amata, Lettonia, 16th July, 1933, leg. W. Brandt.

This form corresponds to the ab. *senex*, Pftz. of *H. lupulinus*, L.

EXPLANATION OF THE PLATE.

1. *Hepialus humuli*, L. ab. *roseornata*, By.-S. ♀, Type, Tavistock.
2. *Hepialus humuli*, L. ssp. *thulensis*, Newm. f. *albida*, By.-S. ♂, Cotype, Shetland Islands.
3. *Hepialus humuli*, L. ssp. *thulensis* Newm. ♂, Shetland Islands.
4. *Hepialus humuli*, L. ssp. *thulensis*, Newm. f. *uniformis*, By.-S. ♂, Cotype, Shetland Islands.
5. *Hepialus fusconebulosus*, De Geer. ♀, Pitcaple.
6. *Hepialus fusconebulosus*, De Geer ab. *latefasciatus*, By.-S. ♀, Pitcaple.
7. *Hepialus fusconebulosus*, De Geer ab. *ornatus*, By.-S. ♂, Sligo, Ireland.
8. *Hepialus lupulinus*, L. ♂, Berlin, Germany.
9. *Hepialus lupulinus*, L. ab. *latemarginatus*, By.-S. ♂, London District.
10. *Hepialus hecta*, L. ♂, St Amata, Lettonia.
11. *Hepialus hecta*, L. ab. *confluens*, By.-S. ♂, Type, Thundersley.
12. *Hepialus hecta*, L. ab. *ornata*, By.-S. ♂, Type, Thundersley.
13. *Hepialus hecta*, L. ♀, Berlin, Germany.
14. *Hepialus hecta*, L. ab. *inversa*, By.-S. St Amata, Lettonia.
15. *Hepialus carna*, Esp. ♀, Triglav, 1800 m., Eastern Alps.
16. *Hepialus fusconebulosus*, De Geer ssp. *vallei*, Grönbl. ♀, Rybatchi Peninsula; Murmansk Coast, 70° lat.

COCCINELLID NOTES. TWO NEW ABERRATIONS.

By T. F. MARRINER.

(With Plate VI.)

Some years ago my friend, the late Mr G. B. Routledge, showed me three fine specimens of *Adalia bipunctata*, L., which he had bought in a collection in London. I spent much time and search over these as they all seemed worthy of names. Lately I submitted drawings of them again to Mr H. Donisthorpe and he tells me that two of them appear in Dr Mader's great work.* The third, however, does not appear to have been noted and I would like to name it as *Adalia bipunctata*, L., ab. **routledgei**, after my late friend. It is shown in the plate (No. 2) alongside the normal *A. bipunctata* (No. 1). It agrees with the Linnean description

*"Evidenz der paläarktischen Coccinelliden und ihren Abberationen," 1927-1935.

of *bipunctata* except as shown in the sketch, where it will be noticed that both the elytral and the thoracic spots are unusual.

According to a data label attached, when I saw it, the insect had come from the collection of a Mrs Taylor, London, and had been taken at Hanwell in 1877. Mr Routledge's collection is now in Tullie House Museum, Carlisle.

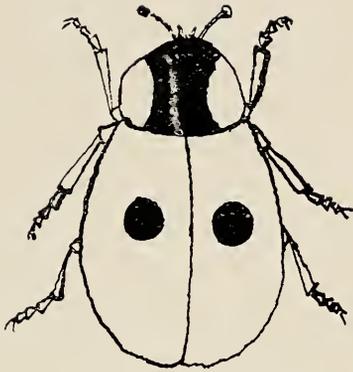
When I came to live at Easton in north-east Cumberland, almost six years ago, I came to an area which had been unexplored by the naturalist and I am spending my time in exploring its natural history. One of my chief disappointments is the fact that it appears almost devoid of my favourite family, *Coccinellidae*, but I hope to show in a later paper that even their scarcity has yielded some interest. At present I wish to call attention to one of my finds. In four seasons I never came across even such a commonly occurring species as *Coccinella 10-punctata*, L., but last August, when collecting along the Netherby Road, I stopped at a point some four miles from home to watch some men bringing timber out of the wood. I saw some ladybirds on one of the logs and managed to tube some half-dozen for the sake of the locality. They were *C. 10-punctata*, L., and when I came to set them I only found a single normal specimen among them (3) and one of them had no spots, while two others were almost clear. This no-spot variety must surely be rare, for I have been interested in the insect for over thirty years and have never either seen or heard of it. It is not an immature specimen. A very powerful lens shows an exceedingly faint, minute, black speck close to the edge of each elytron (4). The insect agrees with the normal description in every other respect. I propose the name *C. 10-punctata*, L., ab. **inornata** for this.

The spotless forms of *Coccinellidae* now discovered and named are:—

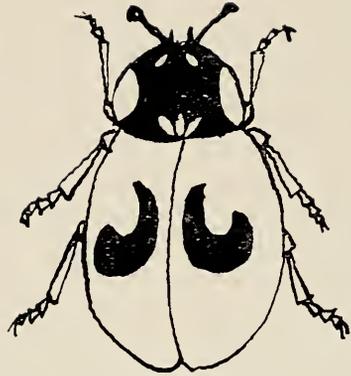
- Subcoccinella 24-punctata*, L., ab. *saponaria*, Weise has been recorded from France, Essex, and Cumberland, *Ent. Record*, XXXVI, p. 86.
Hippodamia variegata, Goeze, ab. *immaculata*, Gmel. taken only in Sweden, *l.c.*, XXXIV, p. 24.
Coccinella 11-punctata, L., ab. *pura*, Weise, France only so far, *l.c.*, XXXI, p. 122.
Coccinella 7-punctata, L., ab. *lucida*, Weise, France, Cumberland, *l.c.*, XXXVI, p. 87.
Coccinella 10-punctata, L., ab. **Inornata** (n. ab.), Cumberland.

[The following other spotless forms are figured by Mader:—

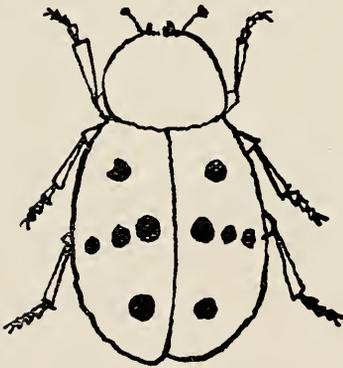
- Hippodamia 13-punctata*, L., ab. *signata*, Fald.
Adonia variegata, Gr., ab. *immaculata*, Gmel.
Anisosticta 19-punctata, L., ab. *egena*, Weise (with immaculate thorax), and ab. *athesis*, Weise (*pallida*, Possi).
Adalia 10-punctata, L., ab. *pellucida*, Weise (quite immaculate without Marriner's very small spots on elytra).
Adalia bipunctata, L., ab. *concolor*, Meier.
Coccinella 5-punctata, L., ab. *minskwitzi*, Hän.
Coccinella hieroglyphica, L., ab. *brunnea*, Weise.
Synharmonia conglobata, L., ab. *vandalitiae*, Weise.—H. D.]



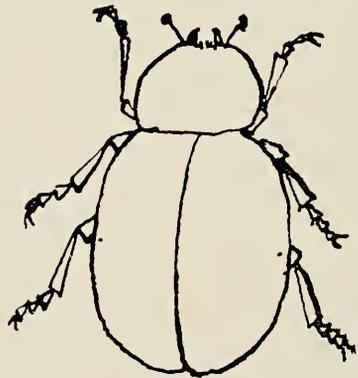
1



2



3



4

Ent. Rec. and Jr. of Variation.

del. T. F. Marriner.

ABERRATIONS OF COCCINELLIDS.