

relieve us from the imputation of having described "not the *species*, but the *individual*," placed upon us by the late Mr. Walsh in the case of *D. perspicua*. And as to the "very limited number of specimens," the argument which covers two pages seems to have been compiled almost wholly from Fitch and other writers who mixed up a variety of forms under the name of *ministra*, and who, in consequence, cannot be considered as any authority on the subject. I have yet to see imagos of *Datana* which I cannot refer to one or the other of the forms in this genus, which are separable also on larval characters. It matters little whether we call these forms "species" or "varieties," so far as the advisability of according them different Latin designations is concerned.

#### NOTES ON CERTAIN SPECIES OF ARCTIA.

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##### *Arctia arge* (Drury).

A male specimen taken by the late Mr. C. T. Robinson, at Brewster's, N. Y., varies by the fore wings being black, the veins broadly bordered by flesh color. The ordinary triangulate black interspaceal markings have all fused. Hind wings shaded entirely with blackish, none of the usual spots being visible. Beneath as above. Body as in the type.

##### *Arctia Anna* Grote.

Contrary to Mr. Stretch's remark, two specimens of this species occurred in Penn. One is in Dr. Packard's collection, and is recorded by him in his Synopsis. The markings of the fore wings prevent the idea that it is a "melonotic" var. of *Persephone*, as suggested by H. Strecker. *Persephone* Grote was described *after* this species; I supposed at first the two belonged as ♂ and ♀, only one sex of each being known to me. More material is needed to decide these points, bare opinions being useless and offensive.

##### *Arctia Michabo*, n. s.

♀. Belongs to the series of *virgo*, *Saundersii* (*intermedia*), *Edwardsii*, *Blakei*. The size is next to *Saundersii*. It is like *virgo* in having black spots on the middle of hind wings, one rounded one on the median vein

within and below the rounded discal spot ; below this, on internal vein, is another sub-obsolete spot. The sub-marginal spots are very large irregularly triangulate ; the marginal spots are limited to two superiorly, which do not tend to run along the edge of the wing as in allied forms ; the fringes are but little paler than the rosy wings, which are more diaphanous than in its allies. Fore wings like *Saundersii* in having linear venular markings ; the bands are like that species, the color is more pinkish, the discal stripe much broader. Beneath both wings alike roseate, with the black markings repeated. Thorax and head like its allies ; the breast is however, pink, and the legs spotted with pink and not wholly blackish. Costa of fore wings without black markings beneath. *Expanse* 43 m. m. Nebraska, Mr. Dodge.

*Arctia intermedia* Stretch.

My specimens from Belfrage lead me to suppose a different species from that illustrated by Mr. Stretch, whose figure seems to me undoubtedly to represent *Saundersii*. It is probable that a number of specimens sent by Belfrage belong to a different species from that sent to Mr. Stretch, and I provisionally propose the name *Stretchii* for the following form. It differs from *intermedia* and *Saundersii* by the presence on the fore wings of an inner sub-basal transverse band, narrowing at median vein, broad below the longitudinal stripe. On hind wings *all* the spots much reduced. The anus is not black at the sides. Oct. 7, 10. Dr. Harvey has recently referred specimens of this form to *Saundersii*.

*Arctia Snowi*, n. s.

♀. Habit of *nais*, of which I thought it at first an extreme variety, but the fringes on both wings are wholly black. Head, thorax, legs, wholly black ; abdomen crimson at sides. Wings wholly black. A crimson discal rounded lunule, narrowly yellow edged ; a short broken transverse bar, similarly colored, opposite the disc. Hind wings with a moderate crimson lunulated spot outwardly towards the apices. Beneath as above, a dash above the discal spot. *Expanse* 38 m. m. Kansas, Prof. Snow.