ON THE STRUCTURAL AFFINITIES OF THE GENUS DEMAS.

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In the Journal of the New York Entomological Society, Vol. III., pp. 130-131, Mr. Harrison G. Dyar writes as follows: "Prof. E. B. Poulton has shown that dorsal eversible glands are of general occurrence throughout the Lymantriidæ (Trans. Ent. Soc., Lond., 1887, p. 300) on the tenth and eleventh joints (segments), or rarely only on the eleventh joint (Dasychira pudibunda). Probably these structures are characteristic of the family, but Prof. Poulton did not find them in Demas. This genus has been considered to belong to the Noctuidae, but English authors assume it to be a Lymantriid. Mr. J. W. Tutt remarks, in speaking of Prof. J. B. Smith's recent 'Catalogue of the Noctuidæ' (Ent. Record, VI., p. 70):-"The obsolete position of Demas among the Noctuidæ is retained." Now, is this position 'obsolete?' The absence of the retractile tubercles certainly throws doubt on the matter. Now, I have shown a characteristic difference in the arrangement of the thoracic tubercles between the Lymantriidæ and the Noctuidæ (Trans. New York Acad. Sci., XIV., p. 57), and Demas shows the Noctuid structure. Therefore, on all essential larval characters Demas is a Noctuid. It might, indeed, be an Arctian, as far as the larva goes, but not a Lymantriid. As concerning the structure of the imago, Demas seems to have greater affinity with the Noctuide than any other family; in fact, it appears to me that the placing of Demas among the Lymantriida may properly be characterized as premature." Further, Mr. Dyar writes as follows: - "Pupa, shining dark brown with a large wrinkled cremaster and three movable incisures. Of the usual Noctuid appearance (quite unlike Orgyia) and passing the winter." This statement regarding the pupa must be read carefully in connection with the remarks of Dr. Chapman quoted below.

Now, I would call Mr. Dyar's attention to the following statements made by Dr. Chapman some two or three years ago. He writes:—"We now come to the two species, *Demas coryli* and *Diloba caeruleocephala*, that are certainly not very much related to each other, and though they have some indications of affinity with *Acronycta*, are not near enough to be placed in the same family. *D. coryli*, I should certainly restore to its old place in the *Liparida*, to which it is far closer than to the *Acronyctas*.

But neither of them seemed to me to be nearer to *Acronycta*.