

ENTOMOLOGICAL NEWS

AND

PROCEEDINGS OF THE ENTOMOLOGICAL SECTION

ACADEMY OF NATURAL SCIENCES, PHILADELPHIA.

VOL. XXI. NOVEMBER, 1910. No. 9.

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Synonymical Notes on Neuroptera.

BY NATHAN BANKS.

In the Records of the Indian Museum, Vol.III., for October, 1909, Dr. Needham has published some new genera and species of Neuroptera. One *Annandalia*, p. 208, is a genus of Hemerobridæ near *Symphorobius*. I have now seen a specimen of it and find it is the same as my *Notiobiella* from Australia; Navas has recently described species of *Notiobiella* from India. *Notiobiella* was described in the Proc. Ent. Soc. Wash., XI, p. 80, issued 31 August, 1909.

In this same article Dr. Needham says he has identified the *Hemerobius setulosus* of Walker as a *Micromus*. Walker says that his species is near the *H. hirtus* of Europe; this latter species is a *Megalomus*, and I have a species of *Megalomus* from India which in other points also agrees with Walker's description. This species also fits very well with a species of *Megalomus* *M. nowhalieri*, recently described by Navas from India. So I consider *M. nowhalieri* as a synonym of *M. setulosus* Walk. In this same article Navas (Broteria,

IX, 1910, describes two new genera of Hemerobiidæ, *Zygo-phlebius* and *Balmes* which differ from all other forms in having very broad wings and the subcosta, radius and radial sector all united at tip near the stigmal region of wing. Now this is the exact character that distinguishes the old genus *Psychopsis* of Newman from all other Hemerobiidæ, and the figures of Navas only make more plain the fact that *Zygo-phlebius* and *Balmes* are synonyms of *Psychopsis*. Navas in his synoptic table places *Psychopsis* in the Hemerobininae near my genus *Oliarces*. This is sufficient evidence that he has not recognized *Psychopsis*. In the Ann. Soc. Sci; Bruxelles for April, 1909, p. 4 (sep.) Navas has described a species of the Hemerobiid genus *Psectra* (*P. buenoi*) as new from New York State. He distinguishes it from the old species *P. diptera*, because the hind wings are fully developed, and some slight points in venation. The general view of Neuropterists is that these two and four-winged forms are all one species, and a recent Swedish article treats of them under the one name showing that both forms occur in both sexes and in the same localities. However this may be, the American four-winged form was described in 1856 by Asa Fitch as *Hemerobius delicatulus*, and is so recorded in papers of Hagen and by myself, so that *P. buenoi* Navas is a synonym of *P. delicatulus*. In a monograph of the family Nemopteridæ (Mem. Real. Acad. Cien. Artes, Barcelona, VIII, No. 18, p. 21, 1910), Navas has erected a new genus, *Eretmoptera*, for some species and seemingly on good characters, the name, however is pre-occupied by Kellogg in 1900, for a curious little California fly, so that I propose *Nemopterella* for the *Eretmoptera* of Navas.

CAPTAIN CHARLES KERREMANS, of Brussels, the great authority on The Buprestidae of the world devotes all his spare time to getting out his superb monograph of those insects. He has a remarkable collection and many of the Tropical species are very brilliant insects. During the International Entomological Congress he gave a very enjoyable evening reception to some of the delegates and exhibited his collection.



Banks, Nathan. 1910. "Synonymical notes on Neuroptera." *Entomological news, and proceedings of the Entomological Section of the Academy of Natural Sciences of Philadelphia* 21, 389–390.

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