

I believe these forms will be easily recognized, and fewer mistakes will be made in the future. Packard evidently did not have a clear conception of *Xanthorrhoe munitata* Hüb., or *defensaria* Guen., for he mixed the species badly on plate VIII of the Monograph. Fig. 66 of this plate does not represent *munitata* Hüb., as Packard states, but male *defensaria* Guen. Fig. 67 of the same plate is not *munitata* var., as stated, but female *defensaria*, probably var. *californiata* Pack. *X. munitata* Hüb., has the intradiscal line strongly outcurved, where in *defensaria* it is nearly straight. Fig. 72, Pl. VIII, of the Monograph, appears very close to *munitata*, but there is always a doubt when figures are uncoloured.

Dr. Dyar discusses *X. defensaria* in Proc. U. S. National Museum, vol. XXVII, pp. 779-938, 1904. Mr. Wolley Dod compares *defensaria* and *munitata* in Can. Ent., vol. XXXVIII, p. 254, 1906.

In conclusion, I wish to thank Mr. E. H. Blackmore for the loan of specimens and valuable assistance, and Mr. H. Weiss for useful information and assistance in comparing *X. amorata* Hulst with *defensaria* Guen.

SOME MUSICAL ORTHOPTERA* AT CLARENDON, VIRGINIA.

BY H. A. ALLARD, WASHINGTON, D.C.

Miogryllus saussurei Scudd. In June, 1914, the writer captured several individuals of this small cricket in the short, matted grass of the dooryard of his home. These crickets appear very shy and are rather solitary in their habits. Their stridulation is a brief, rather faint, high-pitched, intermittent trill—tiii, tiii, tiii—very much resembling the intermittent trills of some species of *Nemobius*.

Anurogryllus muticus DeGeer. In early June, 1914, the writer found great numbers of these crickets in a small pine grove on a hillside just behind Mr. Able's house near Vinson Station. These

* The Orthoptera listed in this paper were kindly identified by Mr. A. N. Caudell of the U. S. National Museum.
October, 1916