Junctura, but have gray primaries without darker shades. There is also an unnamed variety of Verrilliana with yellow secondaries, from Arizona.

The synonymy of the species here discussed should be as follows:

1173 Junctura Walk. Walshii Edw. Aspasia Streck. Arizonæ Grotc. 1174

Semirelicta Grote. 1186

Var. Pura Hulst.

I have Catocala Violenta also from New Mexico, collected by Prof. Snow.

(To be Continued.)

THE FOOD RELATIONS OF THE CARABIDÆ AND COCCIN-ELLIDÆ. By S. A. FORBES. From Bulletin No. 6, Ill. State Lab. of Nat. Hist., Normal, Ill., Jan., 1883, 8vo., pp. 31.

Through the kindness of the author, we have been favored with a copy of the above paper, which embodies the results of a very laborious series of microscopic examinations of the contents of the alimentary canal of insects belonging to the Carabidæ and Coccinellidæ. In the Carabidæ the results of the dissection and study of 175 specimens are given, representing 38 species and 20 genera. Of the Coccinellidae, the results of the dissection of 39 specimens are given, accompanied by carefully compiled tables presenting the evidence in the most convenient and accessible forms. Prof. Forbes' experiments show clearly that the opinions hitherto held by Entomologists as to the food of these insects are in many respects incorrect. While it is shown that the insects belonging to the genus Calosoma live almost exclusively on animal food, those of Chleenius and Galerita to the extent of nine-tenths, and those of Pterostichus three-fourths; the species of Harpalus take only abo., 12 per cent, of animal food. Anisodactylus 21 per cent., Amara and Amphasia 23 per cent., and Agonoderus about 33 per cent.; the whole series of Carabidae examined averaging 57 per cent. of animal food, the remainder being vegetable and consisting mainly of the pollen of flowers and the spores of fungi.