

Cryptus albonotatus, O. K.

Limneria Guignardi has already been spoken of in referring to the types in Mr. Harrington's collection.

Bassus dorsalis ♀ = *Hemiteles* ♂.—This is the true type and not the specimen in the Provancher collection referred to the genus *Plectiscus*.

Ephialtes variatipes is the ♂ of *Ephialtes macer*, Cress.

SYSTEMATIC VALUE OF THE LARVA OF SPERMOPHAGUS.

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The seeds of *Gleditschia triacanthus* frequently show a narrow scar upon the surface. Rarely two of these scars are found upon the same seed. These scars are about one-eighth of an inch long; and indicate the presence of *Spermophagus gleditschiæ*, a Bruchid beetle, of a mottled, tawny appearance, frequently bred from these seeds in the spring. The grub remains in the seed over winter, changes to pupa in the spring and soon emerges, as a perfect beetle, through a rounded hole in the side of the bean-seed.

The larva, observed by me in the middle of December, is an incurved Chrysomelaform grub, provided with three pairs of legs, as well developed as those of the larva of *Eupsalis* and *Anthrribus*. The thoracic segments are the thickest and the body tapers towards the apex. The head is partly sunken in the first segment. Along the sides the segments are slightly protuberant, and in other particulars an analogy to the larvæ of the typical Rhynchophora is shown; but the presence of thoracic legs proves the insect to belong to a different family of beetles. In the young larva the legs are probably long as in that of *Bruchus*. Mr. H. F. Wickham, in a paper published in 1894, describes the larva of *Spermophagus*.

Prof. J. O. Westwood, in Vol. I. of his "Introduction," states that the larva of *Bruchus* has minute legs. The larva of *Bruchus fabæ*, Riley, has been figured by Dr. Packard (Am. Nat., Sept., '73, p. 537, fig. 141) as a footless grub with a minute head. The larva of *Spermophagus* shows this to be an error, the head being of considerable size, and there being six legs. The mandibles were evidently mistaken for the head by Dr. Packard; and the head mistaken for the first segment. Mr. F. A. Marlatt (2nd Rep. Kansas Ex. Sta., p. 210) says the larva of *Bruchus obsoletus*, Say, is footless; but his figures, 2 and 3, on plate IX., give a better representation and show the legs.