

Rhopalodontus perforatus Gyll. Eur. Im., larv., nymph. In *Polyporus frumentarius*.

Ennearthron affine Gyll. Eur. Im., larv.; in *Polyporus squamosus*.

Octotemnus sp. Detroit, Mich. Im., larv.; in old sponges, by Mr. H. J. Hubbard, Aug., 1874.

Of the 668 species given in Harold's Catalogue, the previous stages of 100 species are published. They belong to 34 genera of the 81 enumerated by Harold. Only of 28 genera of the 53 enumerated in Mr. Henshaw's Catalogue of the Insects of the U. S., the previous stages are known. Only of 13 species of the 176 mentioned by Mr. Henshaw have the previous stages been described.

THE NORTH AMERICAN GENERA OF ANTHRACINA.

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The sub-family Anthracina differs from any other of the Bombyliidæ, as well as from any other group of Diptera known to me, in that the second vein issues from the third at a point opposite or nearly opposite the small cross-vein, the distance being never greater than the length of that cross-vein; the course of the third vein at the place where the second vein issues from it, is perfectly straight, while in the other Diptera the third vein bends obliquely downward at the same angle that the second vein extends upward at its base.

The genus *Dipalta* O. S. must be united to *Anthrax* Scop. It was founded upon a species (*serpentina* O. S., West. Dipt., 237) which differs from a typical *Anthrax* only in having three submarginal cells in each wing instead of two, and also in that the second vein is strongly bent S-shaped before its tip. I have two undescribed species which agree in every particular with *D. serpentina* O. S., except the course of the second vein; in one of these species this vein is nearly as strongly bent S-shaped before its tip as in *serpentina*, but in the other species it is not more strongly curved than in an ordinary *Anthrax*. The number of submarginal cells in each wing—three in *Dipalta* and normally only two in *Anthrax*—will not serve to separate these two genera, since specimens occur in several different species of *Anthrax* in which there are three