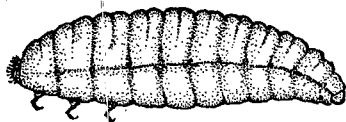


5 contained one *Heterius tristriatus*, and one *Hister subopacus*. Another contained one *H. tristriatus*. A third nest, a flourishing one, was under observation from March 24 to June 1, during which time six *Cremastochilus knochii*, one *C. pilosicollis*, seven *Heterius tristriatus*, and six specimens of an undescribed species of *Heterius*, were taken. All of these myrmecophiles and also *Myrmecophila manni* Schimmer, were taken with independent colonies of *argentata* at Pullman and at Wawawai. The new *Heterius* I am describing as *H. exiguus* sp. nov.

**Formica fusca** var. between **neoclara** and **argentata**.—Common at Wawawai, Wash., where, during March, every nest



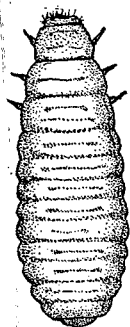
sheltered numerous inquilines—*Heterius tristriatus*, *Cremastochilus knochii*, *Myrmecophila manni*.

**Formica fusca** var. **subaenescens** Emery.—One *Cremastochilus knochii*, San Juan Island, Wash., July, 1910.

**Formica fusca** var. **neorufibarbis** Emery.—San Juan Island, Wash., *Myrmecophila formicarum* Scudder was abundant.

**Formica fusca**.—Three undescribed varieties on San Juan Island, in July. *Myrmecophila formicarum* occurred in all, and with one, two specimens of *Cremastochilus pilosicollis* were taken, one of them by Prof. McConnell, of the Pennsylvania State College.

Fig. 1. Coleoptera larva, probably a Coccinellid, taken with *Formica camponoticeps*.



**Formica subpolita** var. **neogagates** Emery.—Very common in vicinity of Pullman. *Cremastochilus knochii* occurred in nearly every nest during March. *Myrmecophila manni* was found, but rarely.

**Formica manni** Wheeler.—Nests found at Wawawai, Pullman, Wapota, Kiona, and Wenatchee, Wash. This seems to be the characteristic *Formica* of the upper Sonoran zone in Washington, and it occurs also in the Transition zone at Pullman. A single