

**SUPPLEMENTARY STUDIES ON ANT LARVAE: FORMICINAE  
(HYMENOPTERA: FORMICIDAE)**

GEORGE C. WHEELER AND JEANETTE WHEELER

3358 NE 58th Avenue, Silver Springs, Florida 32688 and  
Adjunct Research Associates, Desert Research Institute,  
Reno, Nevada

*Abstract.*—This article describes the five species of formicine larvae that have accumulated since the publication of our 1982 supplement to our 1976 monograph. The genus *Aphomomyrmex* has not been described previously; the other genera are *Paratrechina* and *Dendromyrmex*. Also included are references to formicine larvae in the literature.

---

In this article we describe five species of formicine larvae that have accumulated since the publication of our 1982 supplement to our 1976 memoir. Here we give descriptions only. In a future supplement to our 1976 memoir we will prepare keys for the separation of the various taxa.

We have noted recently in the literature a developing problem: the students of caste determination in ants need to be able to distinguish the larval instars. In the past we have rarely secured more than one instar in a sample, but now entomologists are sending us all available sizes of larvae, e.g., *Aphomomyrmex* below.

We also include any references to ant larvae of the subfamily Formicinae which we have found since our 1982 publication.

Tribe Formicini

Genus CATAGLYPHIS Foerster

*Cataglyphis cursor* (Fonscolombe)

Cagniant, 1980: 3 instars, each described and sketched. Duration of stages given.

Tribe Oecophyllini

Genus OECOPHYLLA F. Smith

*Oecophylla longinoda* (Latreille)

Hölldobler and Wilson, 1983: SEM's of labium showing opening of silk-glands.

*Oecophylla smaragdina* (Fabricius)

Hinton, 1951:163. The limpet-like caterpillars of *Liphyra brassolis* Westwood [Lepidoptera: Lycaenidae] feed upon the larvae of this ant: "the caterpillar lowers the edge of its carapace-like upper surface, and the ant larva is then consumed beneath the body. The caterpillars suck their juice out but do not chew them."

Hölldobler and Wilson, 1983: Colored photograph of worker using a larva as a shuttle to spin silk for the nest.