

*schmitti*. There are thus two species of *Eciton* in Mississippi for which the male phase is not yet known.

It at once occurred to me that possibly the males (which are now known as *E. mexicanum*) might be the much-looked-for male of either *carolinensis* or *pilosus*. Since the type locality of *Eciton mexicanum* is Mexico, as the specific name suggests, and since *carolinensis* is not known to occur in Mexico, I at once inferred that the males at hand might very probably be the males of *Eciton pilosus*, an ant which is not only common to Mexico but ranges throughout the southern part of the United States, certainly as far east as Mathiston (Webster County) Mississippi.

Any one who has studied our North American species of *Eciton* (*Acamatus*) will quite readily agree that *opacithorax* and *carolinensis* are very closely allied taxonomically if one is to judge them by a study of the worker phase of the two species. Reasoning from this basis one would expect the male of *E. carolinensis* to be very similar in a general way to that of *E. opacithorax* and rather remote from the male of *E. pilosus*. Hence, since the specimens of *E. mexicanum* do not in any way agree with the male of *opacithorax*, and since *carolinensis* is not known to occur in Mexico, it is an easy inference that the males of *E. mexicanum* might be the long-sought males of *E. pilosus*.

One might, of course, argue that the males collected at Wiggins were blown into Mississippi by strong southern or western winds but this hypothesis is hardly tenable. The only conclusive proof that the species are the same would be the finding of the males of *E. pilosus* associated with workers in a nest. During the past summer I sought diligently for nests of this species, but without success. I believe my efforts will eventually be rewarded and what I have suggested here will prove to be a fact.

The present synonymy of the two species is as follows:

*E. pilosum* Fred Smith, Cat. Hym. Brit. Mus. Vol. 6, 151 (1858) worker.

*E. pilosum* Mayr, Novara Reise, Formic. p. 77 (1865), Wien Ent. Zeit. Vol. 5, p. 120 (1886); Dalla Torre, Cat. Hymen. Vol. 7, p. 5 (1893) worker; Emery Bull. Soc. Ent. Ital. Vol. 26, p. 183 (1894) worker; Forel, Biol. Centr. Am. Hym. Vol. 3, p. 27 (1899-1900) worker. Emery, Mem.