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CATALOGUE OF THE MYRMOPHILOUS COLEOPTERA WITH BIBLIOGRAPHY AND NOTES.

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Quite a number of our Coleoptera are known to associate in their imago or perfect state with the Formicariæ—comprehensively, ants. Very little, perhaps nothing, is known of the larval and pupal life of any of these beetles. Some, like *Batrisus bistriatus*, probably never leave the ants; but others, like the species of *Cremastochilus*, desert them in the spring, whether afterwards to return and propagate among them is an open question. The association here referred to is common inhabitancy and more or less mutual interdependency, and not mere accidental occurrences under stones, bark and common shelters as seen frequently; and it is not always easy for the collector to avoid confusion of this kind. By bringing together the most of what is recorded in American literature about these interesting Coleoptera, with this as a basis it is hoped a stimulus may be given to research, and collectors may be induced to search for them more diligently, and make public their observations. It is no easy matter to investigate properly an ant's nest, but patience and labour intelligently directed may meet with ample reward. Larvæ and pupæ should be diligently sought for in the formicariums. Only once or twice is there mention of any larva of a Coleopter having occurred with ants, and that of some Staphylinide that may have only been there as an explorer.

ABBREVIATIONS.

Tr.—Transactions of the American Entomological Society.

Pr.—Proceedings of the Academy of Natural Science, Phil. (2nd series).

An.—Annals of the Lyceum of Natural History, New York.

B. J.—Boston Journal of Natural History.