

- . 1965. Ibid. Vol. 5. London: British Mus. (Nat. Hist.). 581 pp.
- Heppner, J. B. 1981. Choreutidae. In J. B. Heppner and W. D. Duckworth, Classification of the Superfamily Sesiioidea (Lepidoptera: Ditrysia). Smithsonian Contr. Zool. 314: 1-144.
- Meyrick, E. 1932. Entomological expedition to Abyssinia, 1926-27. Microlepidoptera. Trans. Ent. Soc. London 80: 107-120.

PROC. ENTOMOL. SOC. WASH.
87(4), 1985, p. 863

NOTE

New Host Record for the Social Parasite *Pogonomyrmex anergismus* (Hymenoptera: Formicidae)

Pogonomyrmex anergismus Cole was previously known only from the type locality, 15 miles east of Silver City, New Mexico, as a social parasite of *P. rugosus* Emery (Cole, 1968. *Pogonomyrmex* harvester ants, University of Tennessee Press, Knoxville, 222 pp.). We collected *P. anergismus* on 7 October, 1984, along Pinery Canyon Road, 2 k SE Route 181, 24 k (straight line distance) W of Portal, Chiricahua Mts., Cochise Co., Arizona (1600 m) in a nest of *P. barbatus* (F. Smith). The collection was made in a black-gamma grassland (*Bouteloua eriopoda* (Torr.) Torr.). *P. anergismus* was present in only one of six nests which we partially excavated.

We suggest that *P. anergismus* is widely distributed as both *P. rugosus* and *P. barbatus* have large ranges. This new record is a range extension of over 130 k to the southeast. *Pogonomyrmex anergismus* has a spotty local distribution wherever it occurs, being found only in one nest in an area with large numbers of nests of the host. As all specimens have been collected during excavation of host nests, we suggest this is the best method to collect them. Although this is a new host record, it is not surprising that it occurred in a nest of *P. barbatus* as *P. barbatus* is closely related to *P. rugosus*.

Our specimens differ from paratypes of *P. anergismus* in the following: 1, the males have longer, more flexuous hairs on the dorsum of the thorax, and the hairs are also more dense; 2, males and females have longer propodial spines; and 3, females are darker. Until the variability of *P. anergismus* can be evaluated with specimens from other localities, we do not feel that the above differences justify the description of a new species.

Most of the specimens will be deposited in the National Museum of Natural History, Washington, D.C.

We thank Dr. David Smith, Systematic Entomology Laboratory, Agricultural Research Service, Washington, D.C., for the loan of paratypes of *P. anergismus* Cole and *P. colei* Snelling.

William P. MacKay and Steven Van Vactor, Department of Biology, Box 3AF, New Mexico State University, Las Cruces, New Mexico 88003.



Mackay, W P and Van Vactor, Steven. 1985. "New host record for the social parasite *Pogonomyrmex anergismus* (Hymenoptera: Formicidae)." *Proceedings of the Entomological Society of Washington* 87, 863–863.

View This Item Online: <https://www.biodiversitylibrary.org/item/54866>

Permalink: <https://www.biodiversitylibrary.org/partpdf/55879>

Holding Institution

Smithsonian Libraries and Archives

Sponsored by

Smithsonian

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

Rights Holder: Entomological Society of Washington

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.