

The queen of this workerless inquiline has an antennal conformation unique among ants: 10 segments with a well-developed, 1-jointed club. Bruch's account implies that this character state is uniform throughout the type series.

*Pheidole elecebra* (Wheeler), *Bull. Am. Mus. Nat. Hist. New York*, 20, 8-10 (1904). *Sympheidole elecebra*. Type locality: Manitou, Colorado. Queen, male. Host: *Pheidole ceres*. Generic synonymy by Brown W.L., in Meggers B.J. *et al.*, eds., *Tropical Forest Ecosystems in Africa and South America* (Smithsonian Institution Press), p. 185 (1973).

*Pheidole inquilina* (Wheeler), *Bull. Am. Mus. Nat. Hist. New York*, 19, 664-666, figure 5 (1903). *Epipheidole inquilina*. Type locality: Colorado Springs, Colorado. Gynandromorph. Host.: *Pheidole pilifera* subsp. *coloradensis*. Generic synonymy by Cole A.C., *Ann. Ent. Soc. Amer.*, 58, 173-175 (1965).

*Pheidole inquilina* is the least anatomically modified of the pheidoline social parasites (see table I). It is therefore not very surprising that both the minor and major workers have been discovered in addition to the usual queens and males (SMITH, 1940; COLE, 1965). However, these castes are evidently in a state of evolutionary decline. In 19 nests of the host species, *Pheidole pilifera coloradensis*, excavated by Cole, 8 contained a few individuals of *P. inquilina*; and of these, one nest yielded only a single minor worker of *inquilina*, and another nest one minor and one major worker. In all of the compound colonies *inquilina* was outnumbered by the host workers. Smith noted the close resemblance of the worker castes of the two species, and suggested that *inquilina* was derived in evolution from *pilifera* or a related species. In other words, Emery's rule is exemplified.

The persistence of both worker castes in this relatively primitive inquiline offers an excellent opportunity for the study of retrograde evolution. It would be especially useful to learn whether the *inquilina* workers possess a full repertory of social behavior, or whether they have surrendered some part of colony maintenance to the host worker force.

*Pheidole lanuginosa* Wilson, new species. India. See previous description.

*Pheidole microgyna* Wheeler, *J. Exp. Zool. (Philadelphia)*, 50, 186 (1928). Type locality: Kartabo, Guyana (British Guiana). Queen. Host.: possibly *Pheidole minutula* or related species. See previous discussion in the present article.

*Pheidole neokohli* Wilson, *Nom. Nov.*, N. Comb. for *Anergatides kohli* Wasmann, *Ent. Mitt. Berlin*, 4, 279-288, pl. 7-8 (1915). Type locality: Saint Gabriel, nr. Kisangani, Zaire (Stanleyville, Congo). Queen, male. Host: *Pheidole megacephala*. *Pheidole* (= *Anergatides*), New synonymy.