

brownish; prothoracic spines darkest apically.

The description is based on a cotype worker in the U. S. National Museum and 12 other workers from the British Museum Natural History. The latter do not bear type labels; for detailed information on these specimens see data under the localities listed below.

Except for minor variations in body lengths and proportions of the head, the greatest variation is in color. One individual lacking a gaster has an almost uniform light-brown body and legs, blackish scape, and the coxa slightly lighter than the remainder of the leg; other individuals have the head, scape and thorax blackish, the coxa and basal half of the gaster yellowish, and the petiole, postpetiole, most of the leg and the posterior half of the gaster brownish; still other individuals have the head, scape, thorax, and posterior half of the gaster black with the funiculus, leg, petiole, postpetiole and base of the gaster brown. In addition to its normal sculpture one individual has transverse semicircular rugulae on the posterior part of the prothorax. The variation in the sculpture of most individuals is rather negligible.

The characters which distinguish this species are its size, short occipital neck, pronounced sculpture, and a strong tendency to vary greatly in color.

Female and *Male*. Unknown.

So far as I am aware very little is known concerning the biology of *perplexus* except that workers were collected while crawling on tree trunks; presumably the species is diurnal.

Localities from which specimens have been studied are:

NEW GUINEA Papua:—Kokoda, 1200 ft., 4-?-33, L. E. Cheesman, B. M. 1933-577, 10 workers (Note— These specimens apparently belong to the type series, but if so, there are no type labels attached to them—author).—Kokoda, 1200 ft., 10-?-33, L. E. Cheesman, B. M. 1934-321, 1 worker.—Kokoda, 1200 ft., 5-?-33, L. E. Cheesman, B. M. 1933-577, 1 worker.

Aphaenogaster (*Nystalomyrma*) *pythia* Forel

Aphaenogaster longiceps F. Smith, Mayr, 1876, Jour. Mus. Godeffroy b. 5, h. 12, p. 96, female, male. Misidentification.

Aphaenogaster (*Deromyrma*) *longiceps* F. Smith, Forel, 1915, Arkiv f. Zool., b. 9, h. 3-4, pps. 75-76 (p. 75, worker, male, under *ruginota*), worker, female, male. Misidentification.

Aphaenogaster (*Deromyrma*) *pythia* Forel, 1915, Arkiv f. Zool., b. 9, h. 3-4, p. 76.

Aphaenogaster (*Nystalomyrma*) *pythia*, Wheeler, 1916, Trans. Roy. Soc. So. Austral., 45: 219-221, pl. 21, figs. 4-5; pl. 22, figs. 5-8, worker, female, male.

Aphaenogaster pythia, Hitchcock, 1958, Queensland Bur. Sugar Expt. Sta. Quart. Bul., 21 (3): 104-105. (Biology).

Worker. (Pl. 16, fig. 4)

Length 4-5.5 mm. Head subrectangular; length 1-1.3 mm., greatest width 0.85-1.15 mm., posterior border of head weakly convex to almost straight, meeting the sides to form subangular occipital lobes, head posteriorly with a distinct but very short occipital flange. Scape slender, curved, slightly enlarged in its apical third-to-fourth, apex of the scape exceeding the posterior border of the head by at least one-fifth to one-third the length of the scape. Frontal area distinct, somewhat subtri-