

manœuvre. They did not even wait to rescue their dying comrades, none of whom recovered sufficiently to crawl away, but were left strewn around the booty, which was speedily collected by the *Anoplolepis* workers. It was interesting in the foregoing episode to mark that the position taken by the *Tetramorium* workers when forming the ring did not vary. Each took her allotted place, and did not move from it even while the *Anoplolepis* workers were breaking through, although it appeared that if a defending worker had but slightly changed her attitude, so as to cover an approaching attacker, the latter would have been kept back until the ring was completely formed. There seemed no possibility that the workers were actually aiming at the oncomers, since they were arranged with their heads facing the centre of the circle, and they remained immovable with the exception of the antennæ. It is difficult to understand how they knew the exact moment at which to fire, unless they perceived by sound when the enemy came within range. I never saw one of their own workers hit by mistake.

Distribution. Tropical countries (including Mediterranean district), Galapagos Is., Fiji, Borneo.

13. *Tetramorium guineense* (F.).

Formica guineense, F., Ent. Syst. ii. p. 357 (1793) (Guinea); Mann, Bull. Mus. Comp. Zool. lxiii. p. 346 (1919) (Solomon Is.); id. *l. c.* lxiv. p. 459 (1921) (Fiji); Emery, Gen. Ins., Formic. fasc. 174, p. 278 (1921); Santschi, Ins. Samoa, pt. v. fasc. 1, p. 49 (1928); Wheeler, Proc. Calif. Acad. Sci. (4) ii. pp. 274 & 303 (Galapagos Is., Cocos Is.); id. Bull. Mus. Comp. Zool. lxiii. p. 91 (1919).

Marquesas Is.: Nuku-hiva, Taipi Valley, ♀♀ in rotten wood. Fatu-hiva, ♀♀ in valleys, Jan. 1925. Society Is.: Tahiti, ♀♀ in the sugar-cane fields near Papeete, 1. iv. 25; ♀♀ on Coccids in the Valley Vaitepiha, 8. viii. 25. Raiatea, ♀♀ on a miniature coral islet 16 square yards, with a few yards of water separating it from the land except at low tide, at which times the workers could be seen crossing over, 6. vi. 25.

Distribution. Tropical countries, Hawaii, Fiji, Borneo, Cocos Is., Samoa.

14. *Tetramorium pacificum*, Mayr, Verh. zool.-bot. Ges. Wien, xx. pp. 952 & 976 (1870) (Tonga Tabu); Wheeler, Bull. Mus. Comp. Zool. lxiii. p. 91 (1919) (Borneo); Mann, Bull. Mus. Comp. Zool. lxiv. p. 459 *Ann. & Mag. N. Hist.* Ser. 10. Vol. ii. 35