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[Reprinted from PSYCHE, Vol. XVIII, No. 3.]

TWO FUNGUS-GROWING ANTS FROM ARIZONA.¹

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In a recent paper on the North American fungus-growing ants² I based a new species of *Trachymyrmex* (*T. arizonensis*) on some male and female specimens taken by Mr. Charles Schaeffer at Palmerlee in the Huachuca Mts. of Arizona. Owing to the absence of worker specimens, the status of this species has remained somewhat problematical. At any rate, there was a possibility that it might be merely a sub-species or variety of *T. saussurei* described by Forel many years ago from Orizaba, Mexico³ and subsequently taken as far north as Tepic by Eisen and Vaslit.⁴ I was pleased therefore to find during the past November in the type locality a number of colonies of *T. arizonensis* and to be able to learn something of its habits. Both these and the characters of the worker show that the species is valid and sufficiently distinct from our other North American *Trachymyrmex* (*saussurei* Forel, *septentrionalis* McCook, *turritifex* Wheeler and *jamaicensis* Ern. André).

Somewhat later in November 1910, I came upon a few colonies of a small undescribed *Trachymyrmex* in the desert near Tucson, Arizona. Descriptions of the workers of this and of *T. arizonensis*, together with some notes on their habits are contained in the following paragraphs:

1. *Atta* (*Trachymyrmex*) *arizonensis* Wheeler (Fig. 1.)

Worker. Length 3.5-5 mm.

Head, without the mandibles, as broad as long, broader behind than in front, with feebly concave posterior and feebly convex lateral borders and bluntly angular posterior corners. Eyes hemispherical, in front of the middle of the head. Man-

¹ Contributions from the Entomological Laboratory of the Bussey Institution, Harvard University. No. 37.

² The Fungus-Growing Ants of North America. Bull. Amer. Mus. Nat. Hist. XXIII, 1907, pp. 669-807, 5 pls. 31 text-figs.

³ Études Myrmécologiques en 1884, Bull. Soc. Vaud. Sci. Nat. XX, 91, 1884, pp. 1-65, 1 pl.

⁴ See Pergande, Mexican Formicidæ. Proc. Cal. Acad. Nat. Sci. 3 ser. Vol. V, 1895, p. 896.