## SCIENTIFIC NOTES REDISCOVERED SPECIES AND REVISED KEY TO THE FLORIDA THIEF ANTS (HYMENOPTERA: FORMICIDAE)

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A series of seven specimens of the thief ant, Solenopsis truncorum Forel, was collected by the junior author in February 1988 in mixed hardwood-pine litter adjoining an old field habitat 2-3 mi SW of Archer in Alachua Co., FL. This species had been reported from Florida by Smith (1979), but no specimens from the state were known despite an extensive search by the senior author. Solenopsis truncorum was therefore not included in the taxonomic revision by Thompson (1989) for the Florida thief ants. The emended key which follows includes Solenopsis truncorum, but retains figure references from Thompson (1989). The specimens will be deposited in the Florida State Collection of Arthropods, Gainesville, FL.

## Key to workers of Florida thief ant species

1.	Large, reddish brown species (HL 0.56-0.58; HW 0.50-0.52; WL 0.68-0.70)
	truncorum Forel
1'.	Distinctly smaller, yellow or dark-bodied species (HL and HW 0.48 or less,
	WL 0.32-0.68)
2.	Petiolar node (Fig. 23) placed somewhat anterior to the petiolar-post-
	petiolar juncture so that the petiole has a distinct slender posterior
	peduncle; body either uniformly dark brown or with lighter reddish brown
	head and/or thorax; arboreal picta Emery
2'.	Petiolar node placed near the petiolar-postpetiolar juncture (Fig. 15); body
	usually pale yellow, or if dark, then the appendages are pale; subterranean
	(except one yellow arboreal species)
3(2').	Head, thorax and gaster dark brown; appendages pale brown to pale
	yellow; (Fig. 13-16) nickersoni Thompson
3'.	Usually entire body pale yellow to somewhat darker yellow, but one
	species (carolinensis) often with moderate infuscation on head and gaster 4
4(3').	Eyes small (length ≤ 0.02 mm), most of eye area the same color or only
	slightly darker than the rest of the head; head with distinct median strip
	free of punctures and hairs which is weakly impressed forming longitudinal
	furrow (Fig. 30)
4'.	Eyes normal size (length at least 0.03 usually 0.04 mm); eye area mostly
	brown to black; head without median strip free of hairs and punctures 6

5(4).	Head narrow, elongate (Fig. 26) and flat (HI 72-81) (Fig. 25); very small species (HTL 0.61-0.69 mm) tennesseensis M. R. Smith
5'.	Head proportionately not as narrow, only slightly oblong and convex ventrally (HI 89-94) (Fig. 29); medium-sized species (HTL 0.76-0.83 mm)
	tonsa Thompson
6(4').	Large species (HTL 0.84-1.14 mm); head, from above, nearly square (HI 91-100) with numerous (ca. 200) hairs arising from punctures which, lie in parallel rows (Fig. 18); head in lateral view with distinctly convex venture and the convex of
C.I	tral margin
6'.	fewer (< 100) hairs which do not lie in parallel rows; head in lateral view
	not greatly convex ventrally 7
7(6').	Eye longer than broad, nearly oval, but wider anteriorly giving a slightly almond shape; eyes with one black facet anteriorly followed by a central
	yellow area with a second smaller black facet at the posterior eye corner;
	body entirely light brownish yellow or with gaster slightly infuscated;
	arboreal corticalis Forel
7'.	Eye nearly circular, facets light-colored, and surrounded by black line, or
	by uniform black areas that are not concentrated at the anterior and pos-
	terior eye corners; body yellow to brownish yellow with or without infusca-
	tion; subterranean
8(7').	Eye normal sized (0.04 mm); body yellow to brownish yellow; promeso-
	pleural suture, below mesothoracic spiracle, only slightly darker than rest
	of thorax and shaped like a half-boomerang, the tapered dorsal end of the
	suture extends posteriorly but does not encircle the spiracle; thorax, in
	profile, with flattened area before and after the metanotal groove (Fig. 5,
	but not completely aligned)
8'.	Eye smaller (0.030-0.035 mm); body clear yellow; promesopleural suture
	somewhat hourglass-shaped with a reddish orange outline which extends
	to encircle the spiracle; dorsum of thorax smoothly curved, not flattened
	before and after the metanotal groove (Fig. 1) abdita Thompson

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