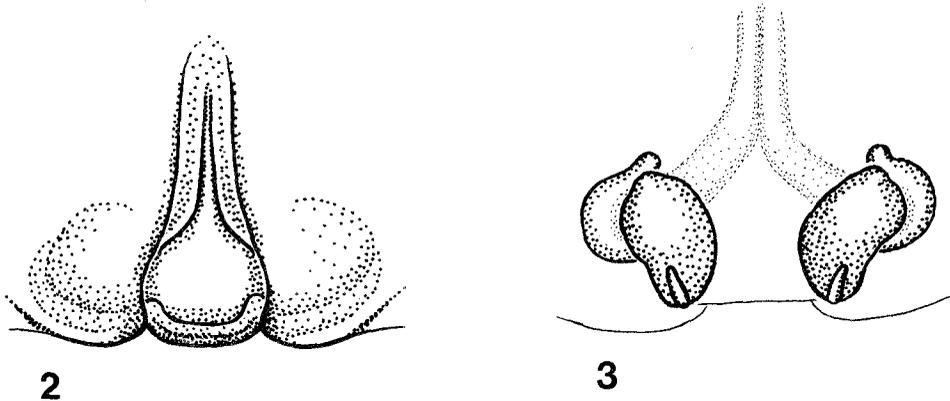
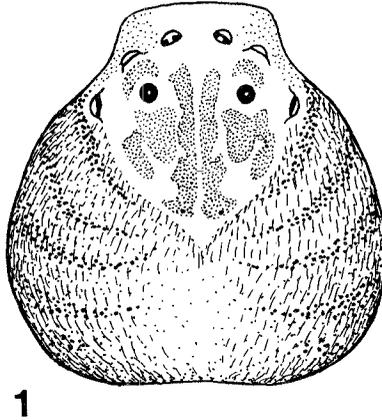


RESEARCH NOTES

A NEW *PHILODROMUS* (ARANEAE: THOMISIDAE) FROM ARIZONA*Philodromus eremus*, new species

Male.—Unknown.

Female.—Total length 5.4 mm; cephalothorax 2.05 mm long and 2.03 mm wide. Femur I 2.35 mm long; femur II 2.68 mm long. Carapace orange-brown, darker laterally; meta- and prodiscal areas patterned with pale creamy orange (Fig. 1). Eyes, except anterior medians, on low tubercles; with inconspicuous narrow light marginal rings; posterior medians closer to anterior laterals than to posterior laterals. Legs with relatively dense scopulae; orange-brown, irregularly speckled and blotched with darker brown; darker at segment ends; with incompletely developed dark dorsal stripe on patella, tibia



Figs. 1-3.—Structures of *Philodromus eremus*, new species: 1, Female carapace; 2, Epigynum; 3, Female genitalia, dorsal view.

and metatarsus. Femur I with 3 dorsal macrosetae and 3 prolaterals; tibia I with 2 dorsal macrosetae, 3 prolaterals, 3 retrolaterals and 3 pairs of ventrals. Abdomen cleft in front, evenly rounded laterally, widest at middle, its form reminiscent of the genus *Rhysodromus*. Dorsum of abdomen with dark heart mark followed by median dark area which narrows posteriorly; covered with feathery golden-brown scales. Sides with mottled pattern of brown and pale scales. Venter pale.

Epigynum with median septum narrow anteriorly and expanding posteriorly into a broad plate (Fig. 2). Spermathecae as shown (Fig. 3).

Type.—Holotype female from the Chiricahua Mountains, Cochise County, Arizona (1 July 1965. V. Roth), deposited in the American Museum of Natural History.

Range.—Known only from the type locality.

Comments and diagnosis.—The female of *Philodromus eremus* is distinguished from other members of the genus *Philodromus* by its genitalia. The form of the spermathecae and that of the epigynum, especially its median septum, is distinctive. In general appearance *P. eremus* is closest to certain species of the *aureolus* group (*P. keyserlingi* Marx, *P. spectabilis* Keyserling) but its placement with certainty awaits the discovery of the male.

Dr. C. D. Dondale made the specimen available for study and provided helpful comments. My wife Judith did the drawings. Donald J. Buckle GBS 1-7, R.R. 1, Preeceville, Saskatchewan.