

SOME NEW SPIDERS FROM OHIO

W. M. BARROWS AND WILTON IVIE

Of the five species described below four are apparently undescribed while the fifth, *Phrurolithus fratellus* Gertsch was originally described from a female specimen from Texas. (Am. Mus. Novitates No. 805, p. 6). The types are retained in the University of Utah collection.

Dipoena munda Barrows and Ivie, n. sp.

(Plate I, Figs. 1-5)

Carapace blackish brown. Chelicerae, endites, labium, and sternum dark brown to blackish. Palpi blackish brown. Legs light brownish yellow, with a broad black stripe along the anterior side of each femur, and a similar stripe along the posterior side of tibia-patellae III and IV, these latter stripes usually extending along posterior side of the femur for part of its length. Abdomen black with five white spots above, one on each side near base, one on each side near middle, and one just above the spinnerets. Middle area of venter light gray, usually with a white spot on each side.

The female is without special modifications in structure. The male has the cephalothorax nearly circular in outline; the whole of it elevated; median depression sunken. Clypeus high, about six times the diameter of the anterior lateral eye.

Measurements:	Female	Male
Length.....	2.50 mm.	2.10 mm.
Carapace:		
Length.....	.88	.95
Width.....	.67	.81
Tibia-patella:		
I.....	.65	.67
IV.....	.80	.83

Type locality: Rockbridge, Ohio. Male holotype, female allotype, male paratype. W. M. Barrows collector.

Phrurolithus fratellus Gertsch

(Plate I, Figs. 6-7)

Male.—Carapace and chelicerae light brownish yellow without distinct markings. Endites, labium, sternum, legs, and palpi pale yellowish, without markings. Abdomen light yellowish gray, with some lighter chevron-like marks above. Venter much lighter.

Structure very similar to that of other members of this genus, the main distinguishing feature being the palpus. See figures.

Measurements: Length 1.60 mm.; carapace, length .75 mm., width .63 mm.; tibia-patella I .80 mm., IV .77 mm.

Type locality: Columbus, Ohio. Male holotype. May 27, 1925. W. M. Barrows collector. Along river, in ants nest.

Micaria gertschi Barrows and Ivie, n. sp.

(Plate I, Figs. 8-9)

Male.—Carapace orange brown with dusky markings, consisting of fine specks over the entire surface, marginal shadings, radial lines, and a design on the posterior part of the head, as in certain other species of this genus (*quinquenotata* Em., etc.). Chelicerae reddish brown. Endites, sternum, and coxae of the legs brownish orange; labium similar, but more dusky. Legs darker, due to a dense covering of appressed pubescence. Abdomen glossy greenish black above, with a transverse band of light gray near middle. Venter lighter and more grayish. Epigastric region orange brown.

Structure similar in general to that of *M. gentilis* Banks, with which it also agrees in size. Minor differences in color and the structure of the male palpus will separate the two. The tibia of the palpus has a small sharp process on the dorsal side at the distal end. The hook of the palpal organ is near the distal end.

Measurements: Length 3.90 mm., carapace, length 1.90 mm., width mm.; tibia-patella I 2.0 mm., IV 2.0 mm.

Type locality: Columbus, Ohio. Male holotype. July 7, 1935. W. M. Barrows collector.

Dictyna zaba Barrows and Ivie, n. sp.

(Plate I, Fig. 10)

Male.—Carapace brown, with dusky radial streaks on thoracic part. Chelicerae and endites reddish brown. Sternum and labium dusky brown. Palpi light brownish. Legs pale yellow, with very faint annuli at distal end of tibia and metatarsus. Abdomen gray, with an indistinct pattern above, somewhat as in *muraria* Em. Venter dark gray.

A small species belonging to the *sublata* group. Cephalothorax typical; height of clypeus two diameters of an anterior lateral eye. Anterior eye row straight; AM eyes one and one-half diameters apart, about a radius from the side eyes. Posterior row slightly recurved; PM eyes about a diameter apart, a little farther from the side eyes. Median ocular area about square, as wide in front as behind. Chelicerae typical; the median opening not as wide as the diameter of a chelicera. Labium longer than wide. Endites slender, converging around labium; tips nearly touching. Sternum broadly chordate; as wide as long. Legs slender. Abdomen typical.

Measurements: Length 1.85 mm.; carapace, length .88 mm., width .65 mm.; tibia-patella I .93 mm., IV .67 mm.; chelicerae .42 mm.

Type locality: Hocking County, Ohio. Male holotype. W. M. Barrows collector.

Tapinocyba emertoni Barrows and Ivie, n. sp.

(Plate I, Figs. 11-14)

Male.—Carapace brownish orange, markings indistinct. Chelicerae, labium, and sternum brownish orange. Endites lighter. Legs light brownish orange, with the patellae and distal ends of the femora slightly lighter. Abdomen dark gray marked with pale gray specks, and curved transverse lines on posterior part. Epigastric region whitish. Spinnerets pale brownish yellow.

Carapace of nearly normal shape—the head is not elevated nor otherwise especially modified in shape. Cephalic pit small, situated just behind and above the posterior lateral eye; placed in a narrow groove. Sternum large. Palpus small; embolus short, with tip sharply curved, and tail-piece short and broad.

Measurements: Length 1.1 mm.; carapace, length .54 mm., width .43 mm.; tibia-patella I .43 mm., IV .44 mm.

Type locality: Rockbridge, Ohio. Male holotype, male paratype. March 23, 1928. W. M. Barrows collector.

EXPLANATION OF PLATE

Dipoena munda Barrows and Ivie, new species.

1. Left palpus, ectal view.
2. Epigynum.
3. Male, dorsal view.
4. Eyes of male, dorsal view.
5. Male cephalothorax, lateral view.

Phrurolothus fratrellus Gertsch.

6. Male palpus, ventral view.
7. Male palpus, ectal view.

Micaria gertschi Barrows and Ivie, new species.

8. Male palpus, dorsal view.
9. Male palpus, ventral view.

Dictyna zaba Barrows and Ivie, new species.

10. Male palpus, sub-mesal view.

Tapinocyba emertoni Barrows and Ivie, new species.

11. Carapace of male, dorsal view.
12. Cephalothorax of male, lateral view.
13. Palpus of male, dorsal view.
14. Palpus of male, ventral view.

