DISTRIBUTIONAL RECORDS OF SOME FLORIDA ARADIDAE (HETEROPTERA)

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ABSTRACT

The presence of 5 aradid species, Calisius contubernalis Bergroth, Acaricoris floridus Drake, Neoproxius gypsatus (Bergroth), Mezira sayi Kormilev, and Notapleticus aurivilli (Bergroth), in Florida is confirmed and new county records are provided. The occurrence of Acaricoris ignotus Harris and Drake is also added as a new Florida state record.

RESUMEN

Se confirma y se provee un registro nuevo en los condados sobre la presencia de 5 especies de arádidos: Calisius contubernalis Bergroth, Acaricoris floridus Drake, Neoproxius gypsatus (Bergroth), Mezira sayi Kormilev, y Notapleticus aurivilli (Bergroth). La ocurrencia de Acaricoris ignotus Harris y Drake también se añade como un nuevo registro para el estado de la Florida.

Blatchley's 1926 treatment of Aradidae in his "Heteroptera of Eastern North America" provided several Florida records. However, as is typical for North American aradid literature, the amount of additional biological information associated with those records was very limited.

Since 1926, the only literature published on Florida aradids has involved descriptions of new species, which included this state within their geographical distributions. These include Acaricoris floridus (Drake 1957) and Mezira sayi (Kormilev 1982).

This paper presents information on 156 adults of 6 species collected in Florida. Except for M. sayi Kormilev, all specimens were collected with a Berlese funnel. Collections from mixed hardwood litter are indicated as MHL. Numbers of ♀ and ♂ and additional habitat data are indicated in parentheses following each locality. Specimens collected by C. W. O'Brien, G. B. Marshall and G. J. Wibmer are indicated by CWO, GBM and GJW, respectively. Immature stages were not included in counts because they cannot be reliably identified. The sequence of taxa follows Kormilev & Froeschner (1987). Specimens are deposited in the personal collection of SJT and the Southern Illinois University Entomology Collection.

CALISINAE

Calisius contubernalis Bergroth has been reported from St. George Island, Franklin County (Bergroth 1913); Dunedin, Pinellas County, Florida; and Guadeloupe Island, West Indies (Blatchley 1926). The specimen reported here is a new county record. An additional species of Calisius is known from Florida, i.e., C. anaemus Bergroth, from Biscayne Bay, Dade County, Florida (Blatchley 1926).

Monroe County, Upper Key Largo, 14 June 1977 (1 ♀, hammock litter), CWO and GJW, coll.
Carventinae

Acaricoris floridus Drake has been reported only from the type locality in Highlands Hammock State Park, Highlands County, Florida (Drake 1957) We here report a new county record. Two specimens were collected from a packrat nest and apparently represent only the 2nd report of aradid species found in rodent nests (Blatchley 1934, Usinger 1938).

Monroe County, Upper Key Largo, 14 June 1977 (1 ¿, 1 ¿, packrat nest), [5 ¿, 4 ¿, hammock litter], CWO and GJW, coll.

Acaricoris ignotus Harris and Drake has been reported from Texas (Taylor & Lewie, in press), Arkansas, Louisiana, Mississippi, and Georgia (Drake & Kormiliv 1958), but previously has not been reported from Florida. Harris & Drake (1944) commented that it "has much the facies of an unfed tick."

Hamilton County, 5 mi S of Jasper, Hwy 129, 24 March 1977 (4 ¿, 3 ¿, MHL), CWO "et al.", coll.

Lafayette County, 10 mi NW Mayo, Hwy 29, 24 March 1977 (3 ¿, 2 ¿, MHL), CWO "et al.", coll.


Monroe County, Upper Key Largo, 14 June 1977 (1 ¿, 1 ¿, hammock litter), CWO and GJW, coll.

Neoprotis gypsatus (Bergroth) has been reported from St. Augustine, St. Johns County, Florida; Venezuela; Guatemala; and Panama (Blatchley 1926). The specimens reported here are a new county record. A 2nd species of Neoprotis, N. schwartzii (Heidemann) is known from Tampa, Hillsborough County, Florida (Blatchley 1926).


Mezir nae

Mezira sayi Kormiliv has been reported from Florida, Georgia, South Carolina, Indiana (Kormiliv 1982), and Arkansas (Taylor & McPherson, in press). It has been only recently described (Kormiliv 1982) and is closely related to Mezira granulata (Say), also reported from Florida (e.g., Blatchley 1926). However, the presence of M. granulata in Florida has not been confirmed since Kormiliv's study and it is probable that some of the existing records upon which its presence in the state is based actually apply to M. sayi.

Suwannee County, Suwannee River State Park, 14 December 1985 (6 ¿, 7 ¿, under bark of fallen dead hardwood), S. J. Taylor, coll.

Notaplectus aurivilli (Bergroth) has been reported from Crescent City, Putnam County, Florida; Georgia; and Bayou Sara, Louisiana (Blatchley 1926). The specimens reported here represent a new county record.

Leon County, Tall Timbers Res. Sta., Woodyard Hammock, 23 January 1976 (1 ¿,

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