

JUMPING SPIDERS OF THE UNITED STATES AND CANADA: CHANGES IN THE KEY AND LIST (4). G. B. Edwards

NEW SYNONYMIES and NEW COMBINATIONS are based on examination of types.

16. *Corythalia delicatula* Gertsch and Mulaik 1936 = *Euophrys diminuta* (Banks) 1896. NEW SYNONYMY. Delete 16.
26. *Evarcha hoyi* (Peckham and Peckham) 1883: After recently examining a series of both European and American *E. falcata*, consistent differences were apparent between the two populations in the copulatory organs of both sexes. Therefore, I believe the American

population is distinct and should take the oldest available name, *E. hoyi*. Roewer (1954) stated that *E. leucophaea* (C. L. Koch) 1846 is the oldest name for the nearctic species, but Banks (1913) had previously examined the pinned type of Koch's species and stated that it was *Dendryphantès capitatus* (Hentz) = *Metaphidippus protervus* Walckenaer). See Fig. 1-4.

27. *Euophrys concolor* (Banks) 1894 = *Metaphidippus protervus* (Walckenaer) 1837. NEW SYNONYMY. Delete 27.
30. *Euophrys nearctica* Kaston 1938 = *Euophrys monadnock* Emerton 1891. NEW SYNONYMY. Delete 30.
34. *Habrocestum parvulum* (Banks): add VA.
40. *Icius annectans* Chamberlin = *Metaphidippus annectans* (Chamberlin) NEW COMBINATION.
41. *Icius cinctipes* Banks = *Ballus cinctipes* (Banks). NEW COMBINATION.
42. *Icius exornatus* Peckham and Peckham 1909 = *Eris limbata* (Banks) 1898. NEW SYNONYMY. Delete 42.
43. *Icius formicarius* Emerton = *Tutelina formicaria* (Emerton) as was properly noted by Chickering (1944).
44. *Icius hartii* Emerton = *Tutelina hartii* (Emerton), also noted by Chickering (1944). Despite some differences in carapace proportions (possibly due to evolving in a different micro-habitat), the close similarity of the genitalia to other *Tutelina* probably warrants placing this species here (at least to indicate relationship until the genus can be studied in detail). Recently this similarity was again pointed out by Wayne Maddison (personal communication). This species is not congeneric with the European *Icius hamatus* (C. L. Koch), the type species of *Icius*.
45. *Icius pleuralis* Banks 1896 = *Beata wickhami* (Peckham and Peckham) 1894 NEW SYNONYMY. Delete 45.
46. *Icius texanus* Banks 1904 = *Metaphidippus texanus* (Banks). NEW COMBINATION. This species belongs to a small group related to *M. vitis* (Cockerell).
47. *Icius wickhami* Peckham and Peckham = *Beata wickhami* (Peckham and Peckham). NEW COMBINATION. The bicuspid retromarginal tooth, carapace shape, and genitalic similarities lead me to make this change. This is the first record of the neotropical gems *Beata* in the U. S.
50. *Maevia hobbsae* Barnes: add FL.
59. *Marpissa dentoides* Barnes: add AL, FL, GA.
66. *Marpissa sulcosa* Barnes 1958, male (holotype) = *Marpissa lineata* (C. L. Koch) 1848. NEW SYNONYMY. Delete 66. Females of *M. sulcosa* = *M. dentoides* Barnes. I was led to this conclusion by: 1) Barnes (1958) could not tell the females of *sulcosa* and *dentoides* apart, 2) Barnes described *sulcosa* from few specimens and stated that it replaced *lineata* in southeast U.S., 3) in recent collections of *Marpissa* from Florida in undisturbed habitats, males of *sulcosa* were collected with females of *lineata*, while females of *sulcosa* were collected with males of *dentoides*; therefore, males of *sulcosa* are a geographic color variant of *lineata*.
118. *Neon nellii* Peckham and Peckham: add FL.
265. *Sitticus claremonti* Peckham and Peckham 1909 = *Tylogonus morosus* Peckham and Peckham 1888. NEW SYNONYMY. Delete 265.
290. *Zygoballusbettini* Peckham and Peckham 1888 = *Zygoballus rufipes* Peckham and Peckham 1885. NEW SYNONYMY. Delete 290. After comparing the types and examining specimens of *bettini* from a number of central

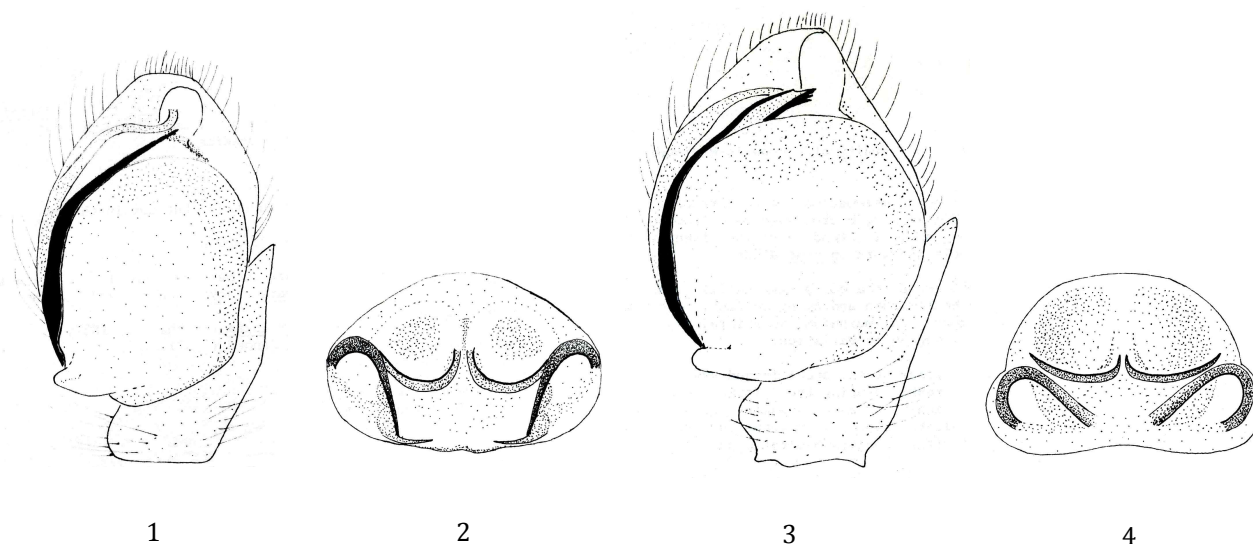


Fig. 1, 2. *Evarcha hoyi*.

Fig. 3, 4. *Evarcha falcata*.

Fig. 1, 3. Ventral view left palpus.

Fig. 2, 4. Ventral view epigynum.

Note well-developed *pars pendulum* associated with embolus of *E. falcata*, lacking in *E. hoyi*. Also note proportional differences in epigyna.

and southern states and *rufipes* from Texas, I have found that the differences mentioned by the Peckhams, in particular the leg proportions and leg coloration, are not distinct, but blend in a variety of ways in different populations. The genitalia of *bettini* appear to be the same as that of *rufipes*. I must conclude that the two names represent one variable species.

Additions to synonymy list

The following species was listed in the checklist but not in the synonymy list:

neomexicanus Banks (*Icius*) = *Metaphidippus* n.

The following synonymies were omitted altogether from the first checklist:

Habrocestum latens Banks 1892 = *Evarcha hoyi* (Peckham and Peckham) 1883.

Icius moestus Banks 1892 = *Eris marginata* (Walckenaer) 1837. The name was misspelled *maestus* in Bonnet (1957).

REFERENCES

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