

***Nesoressa crawfordi*, n. gen., n. sp., a montane island milliped in
New Mexico, USA; proposal of the new tribe Nesoressini and a
preliminary cladogram of the lineage "Aniulina"
(Julida: Parajulidae)**

ROWLAND M. SHELLEY¹ & MICHAEL F. MEDRANO²

¹Research Lab., North Carolina State Museum of Natural Sciences, 4301 Reedy Creek Rd., Raleigh, NC 27606
U. S. A.

²Biology Department, University of New Mexico, Albuquerque, NM 87131 U. S. A.

Abstract

Nesoressa crawfordi, n. gen., n. sp., is proposed for a slender parajulid milliped inhabiting high elevation boreal forests on five inselberg mountains in Cibola and Socorro counties, New Mexico; it is anatomically incompatible with established tribes, so Nesoressini, n. tribe, is erected to accommodate it. A sixth population existed 27 years ago in "caves near ice caves," Cibola County, but its presence today awaits confirmation. In addition to nemasomatid-like body dimensions, *N. crawfordi* is characterized by an elevated pleurotergal "shield" on the caudal margin of the gonopodal aperture, simple anterior gonopods possessing a sternum, telopodites, & large coxal lobes, and posterior gonopod (pg) telopodites comprising three closely appressed projections—long, parallel, nearly identically configured prefemoral processes & solenomers and shorter, spiniform branches "C." The disjunct populations of *N. crawfordi* appear to be relicts from a continuous Pleistocene population in central New Mexico that fragmented into localized vicariants as the climate warmed and dried in the post-Pleistocene era. As the pgs are joined by a sclerotized sternum, *Nesoressa*/Nesoressini appears to be the sister-group to a clade consisting of tribes lacking this structure. A clade "Aniulina" is postulated comprising Nesoressini + (Parajulini + (Aniulini + Gosiulini)) that originated in the Rio Grande border region of the US and Mexico, its present center of diversity. *Apacheiulus* Loomis, 1968, a potential synonym of *Gosiulus* Chamberlin, 1940, is assigned to the Gosiulini, and the tribes Bollmaniulini & Karteroiulini, both established by Causey, 1974, are tentatively regarded as synonymous.

Key words: Nesoressini, Parajulini, Aniulini, Gosiulini, "Aniulina," *Nesoressa*, *N. crawfordi*, New Mexico