

# Discovery of the Milliped, *Tiganogona brownae* Chamberlin (Diplopoda: Chordeumatida: Cleidogonidae) in Central Oklahoma; Westernmost Records for the Family and Genus

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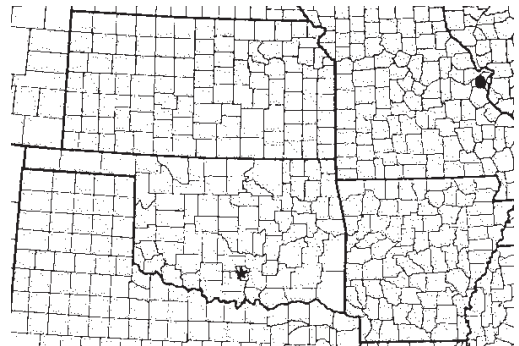
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The milliped genus *Tiganogona* Chamberlin currently includes eight species that occur in the central United States from Indiana southward through Arkansas and in Louisiana (Shear 1972, Hoffman 1999). The westernmost published records are of *T. alia* (Causey 1951) and *T. glebosa* (Causey 1951) from Washington County, Arkansas (Causey 1951a, b; Shear 1972, Hoffman 1999). The type species, *T. brownae* Chamberlin, 1928, occurs at St. Charles, St. Louis County, Missouri (Chamberlin 1928), which is still the only definite locality although Shear (1972), citing Causey "in litt.," stated that it occurred in "most of Missouri." To our knowledge, no other sites have been documented for *T. brownae*, and no cleidogonids have been reported previously from Oklahoma. The occurrence of cleidogonid taxa may be expected in the eastern periphery of the state because of the proximity of Washington County, Arkansas, and with the record of a female of "*Cleidogona* sp." from Douglas County, Kansas (Gunthorp 1913), at the same longitude.

On 6 November 2004, C. T. McAllister collected an adult male *T. brownae* from beneath a decaying oak log at Turner Falls Park off US 77, Murray County (Fig. 1); habitat consisted of abundant hardwoods and shrubs along Honey Creek. This site is not in the eastern periphery where cleidogonids would be expected, but is in the Arbuckle Mountains in southcentral Oklahoma, more than 765 km southwest of the type locality and 200 km from the closest

previous record of the genus and family in Washington County, Arkansas. Therefore, this is the first report of this milliped family and genus from Oklahoma and also is the westernmost for the Cleidogonidae. The specimen is deposited in the invertebrate collection at the North Carolina State Museum of Natural Sciences, Raleigh.

McAllister and Shelley (2003) did not report any cleidogonids in their survey of southcentral and southeastern Oklahoma counties. In addition, the second author (RMS) has examined the invertebrate collections at the Sam Noble Oklahoma Museum of Natural History (Norman) and Oklahoma State University (Stillwater), and no cleidogonids from the state were found. We suggest further intensive surveys of millipeds



**Figure 1.** Records of *Tiganogona brownae* in the United States. Original record from St. Louis County, Missouri (dot); new record from Murray County, Oklahoma (star).

in the state, particularly in the east-central and western sections, where few records exist for diplopods in general.

## ACKNOWLEDGMENTS

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