

Distribution of Anostraca in Oklahoma¹

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Mackin (1936) published a preliminary county-list for 13 species of phyllopods known to be present in Oklahoma. In a later note (Mackin 1938) several additional county records were reported, but since that time little additional information relating to the distribution of phyllopods in Oklahoma has been published.

During the period from September, 1959, until January, 1962, I conducted field work throughout all parts of the state, exclusive of the panhandle and northeastern corner. In all, 46 of the 77 counties were visited, and several species of anostracans were collected in some counties for the first time. Additional information obtained by personal communications with Drs. Arthur Bragg and Harley Brown, University of Oklahoma; Dr. Walter Moore, Loyola University; Mr. Walter Smith, Forgan; and Mr. Clarence McCoy, Stillwater, also included several new county records for fairy shrimps. It therefore seemed wise to present the following report to update our knowledge of the distribution of Anostraca in Oklahoma. The counties from which each of the eight Oklahoma species have been collected are listed below. Counties representing an addition to Mackin's original list are indicated by an asterisk. No species new to the state were encountered. Nomenclature is after Dexter (1959).

Chirocephalidae *Eubranchipus oregonus* Creaser
Pontotoc, Coal, Payne*, and Atoka* counties

Eubranchipus serratus Forbes
Oklahoma*, Rogers*, and Mayes* counties

Branchineetidae *Branchinecta shantzi* Mackin (formerly *B. coloradensis*)
Comanche and Jackson counties

Branchinecta hindahli Packard (formerly *B. packardii*)
Beaver*, Cimarron*, and Comanche* counties

Streptocephalidae *Streptocephalus dorotheae* Mackin
Beaver*, Cherokee*, Cimarron, and Texas counties

Streptocephalus sealii Ryder
Oklahoma, Johnston, Garvin, Grady, Pontotoc, Jefferson, Tillman*, Greer, Comanche*, Payne*, McClain*, Cleveland*, and Carter* counties.

Streptocephalus texanus Packard
Comanche, Beckham, Ellis, Woods, Harper*, Blaine*, Cotton*, Tillman*, Cimarron*, McCurtain*, Pottawatomie*, and Cleveland* counties.

Thamnocephalidae *Thamnocephalus platyurus* Packard
Cimarron, Woods, Ellis, Harper*, and Tillman* counties.

LITERATURE CITED

- Dexter, R. W. 1959. Anostraca, p. 558-571. In W. T. Edmondson, [Ed.], Fresh-water biology. John Wiley & Sons, Inc., New York.
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