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## Further additions to the list of Collembola of Utah

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FURTHER ADDITIONS TO THE LIST OF  
COLLEMBOLA OF UTAH

By D. L. Wray<sup>1</sup> and G. F. Knowlton<sup>2</sup>

Since our last list appeared (in *The Great Basin Naturalist*, Vol. XIII, pages 43-46, Sept. 1953) some additional interesting forms have been found in Utah. All field collections (unless otherwise noted) were made by G. F. Knowlton and his associates and the identification of species by D. L. Wray.

Order COLLEMBOLA Lubbock

Family PODURIDAE

XENYLLA MARITIMA Tullberg. Beaver, Utah, from juniper litter, April 5, 1955, G. F. Knowlton.

WILLEMIA INTERMEDIA Mills. Orderville, Utah, April 7, 1955, GFK.

TAFALLIA INSULARIS Bonet. This interesting form has been found in the United States at Orderville, Utah, April 7, 1955. G. F. Knowlton. ("The first record of this form in the United States was made last summer when I found some specimens sent me for identification. The data on these were San Diego, California, collected by R. M. Ireland, May 3, 1953. This form was described by Dr. F. Bonet from Baja California, Mexico, April 12, 1945, in *Revista De La Sociedad Mexicana De Historia Natural*, Tomo VII, Nos. 1-4, Diciembre, 1946. This genus is placed near the genus *Willemia* in classification. D. L. Wray.")

BRACHYSTOMELLA PARVULA Schaeffer. Arches National Monument, Utah, March 9, 1955, under juniper trees, G. F. Knowlton and H. F. Thornley. A large series of specimens was secured.

PSEUDACHORUTES SUBCRASSOIDES Mills. Logan Canyon, Utah, November 19, 1949, in Douglas fir litter, GFK, S. C. Ma.

MICRANURIDA n. sp. This form has 3 eyes on each side of the head, and will be described in a separate paper. Beaver, Utah, April 5, 1955. G. F. Knowlton; Monticello and Moab, Utah, March 4, 1955, G. F. Knowlton. H. F. Thornley. All were taken under juniper trees in litter.

ONYCHIURUS PSEUDOFIMETARIUS Folsom. Mt. Timpanogos, Utah, June 23, 1951, GFK, Ted Tibbetts.

ONYCHIURUS PSEUDARMATUS Folsom. Logan, Utah, November 2, 1949, in ash tree litter, GFK, SCM.

ONYCHIURUS FIMETARIUS Linn. Tooele County, Utah, April 14, 1953, W. J. Johnson. This was in a collection sent me by H. E. Cott. Dugway, Utah.

ONYCHIURUS SUBTENUIS Folsom. In his *Monograph of the Collembola of Iowa*, H. B. Mills lists this as from Utah (1934).

Family ISOTOMIDAE

PSEUDANUROPHORUS n. sp. Arches National Monument, Utah, March

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4. 1955, GFK, HFT, under juniper trees; Monticello, Utah, March 4, 1955, GFK, HFT, under juniper trees; Moab, Utah, March 4, 1955, GFK, HFT, under juniper trees. ("This genus has been recorded once before from New England. This new form has two eyes on each sides of the head. It will be described in a later paper. The genus *Pseudanurophorus* is a close relative of *Anurophorus* Nicolet and *Paranurophorus* Denis, 1922. Of the latter genus I have identified *Paranurophorus armatus* Stach among a collection sent me by R. F. Wilkey. These were collected at San Diego, California, April 22, 1954, from leaf mould. D. L. Wray.")

PROISOTOMA AMERICANA Mills. Orderville, Utah, July 7, 1955, GFK. PROISOTOMA (*Proisotoma*) DECEMOCULATA Folsom. Arches National Monument, Utah, March 9, 1955, under juniper trees, GFK, HFT. A large series of specimens were collected.

PROISOTOMA THERMOPHILA Axelson. In his Monograph of the Collembola of Iowa (1934) Mills lists this as from Utah.

Family ENTOMOBRYIDAE

SINELLA CURVISETA Brook. Logan, Utah, February 10, 1951, in greenhouse soil on bench. GFK, E. H. Kardos.

DREPANURA ROLFSI Mills. Tooele County, Utah, April 14, 1953. W. J. Johnson. In a collection sent me by H. E. Cott, of Dugway, Utah.

LEPIDOCYRTUS PUSILLUS Linn. Tooele County, Utah, August 11, 1953, W. J. Johnson. In a collection sent me by H. E. Cott, Dugway, Utah.

Family SMINTHURIDAE

SMINTHURIDES MALMGRENI var. PALUSTRIS Folsom and Mills. Folsom and Mills in their paper on this group (Bull. Museum Comparative Zoology, vol. LXXXII, No. 4, 1938) lists this form from Utah. Eighteen forms are added to the Utah list bringing the total up to 110.