

Collembola of the Canadian Arctic Expedition, 1913-18.

By JESSE W. FOLSON

Of the University of Illinois.

This is a report on the Collembola obtained by the Canadian Arctic Expedition, 1913-16. The material, collected by Mr. F. Johansen, consisted of numerous well-preserved specimens, in excellent condition for study, and comprised the following twelve species:

Podura aquatica L.
Achorutes tullbergi Schäf.
Achorutes sensilis, n. sp.
Achorutes armatus (Nie.)
Ongchirus duodecimpunctatus, n. sp.
Tetracanthella wahlgreni Axels.
Folsomia quadriclata (Tull.).
Isotoma viridis Bourl.
Isotoma palustris (Müll.).
Entomobrya comparata, n. sp.
Lepidocyrtus cyaneus Tull.
Sminthurides aquaticus (Bourl.).

The types and other specimens upon which this report is based are deposited in the National Collection of Insects, Ottawa.

Podura aquatica Linnaeus.

Plate 1, figs. 1-3.

Podura aquatica Linnaeus, 1758. — Nicolet, 1811. — Tullberg 1871, 1872. — Lubbock, 1868, 1873. — Packard 1873. — Parona 1879, 1882. — Dalla Torre, 1883, 1895. — Uzel, 1890. — MacGillivray, 1891. — Schott, 1891, 1902. — Reuter, 1895. — Schäffer, 1896, 1900a, 1900b. — Lie-Pettersen, 1896. — Poppe and Schaffer, 1897. — Scherbakov, 1898b. — Carl, 1899. 1901. — Wahlgren, 1899c, 1906a. — Crompter and Evans, 1899. — Absolon, 1900, 1901. — Willem, 1900. — Börner 1901a. — Krausbauer, 1901. — Agren, 1903. — Guthrie, 1903. — Axelsson, 1906. — (Axelsson) Lämmanen, 1907, 1912. — Folsom, 1916.

Hypogastrura aquatica — Lett, 1839.
Hydropodura aquatica L. — er, 1901b, 1902.
Podura granulata MacGillivray, 1893.

Blackish blue; antennae and legs reddish brown; furcula pale brown. Head hypognathous. Eyes 8 + 8. Ocular areas with conical elevations between the eyes. Postantennal organs apparently absent, represented externally by minute rudiments. Antennae shorter than the head, stout, cylindrical, with segments about as 1.5:3:6:7 in relative lengths. Olfactory hairs of fourth antennal segment absent. Sense organ of third antennal segment consisting of a pair of short stiff setae. Body short and stout. A dorsal subsegment occurs on the anterior part of each body segment except the ninth. Unguis (fig. 1) very long, longer than the tibio-tarsus, slender, curving, unidentate behind the