

## SOME RECORDS OF COLLEMBOLA FROM BRITISH COLUMBIA

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Collembola are mostly restricted to damp situations where the sun does not strike; a few, however, occur under shelter in dry conditions during the day and wander out at night when the dew is on the ground.

The species mentioned here represent a collection made in 1933 by Mr. J. D. Gregson who very kindly presented them to the University. They were identified by the late Dr. Justus Folsom. The only specialist in this order in North America is Dr. Harlow B. Mills, Chief of the Natural History Survey of Illinois, who is too busy to determine specimens, so my further personal collections must remain unidentified for the present. Dr. Folsom informed me that at least 100 species of Collembola should occur in this Province: only 16 species are recorded here. With three exceptions (of my collecting, labelled G.J.S.) all these records were made by Mr. J. D. Gregson, whose annotations are appended in each case.

**Suborder ATHROPLEONA Boerner, 1901**Family PODURIDAE Lubbock, 1870  
Subfamily PODURINAE1. *Podura aquaticus* Linn.

In colonies on leaves by edge of a rain puddle. Courtenay, V.I., 11 May, 1933. Mills (1934) says "this species is the only representative of the subfamily; it is often present in immense numbers on the surface of stagnant water."

## Subfamily ACHORUTINAE Boerner, 1901

2. *Xenylla humicola* (Fabricius)

In, on and around damp moss on a rock by the water's edge; curl up when exposed to the sun. Brown's River. Courtenay, V.I. 7 May, 1933.

3. *Achorutes armatus* Nicolet

"Colour pattern extremely variable, from a dark blue to a canary yellow with various arrangements of spots and irregular stripes." (Mills).

On water, Foghorn Mt., North Thompson River valley, at 5000 feet, 5 July, 1933. Under mould, Mt. Washington, Forbidden Plateau, Courtenay, V.I., 8 Aug., 1933.

4. *Achorutes pseudarmatus* Folsom

Under debris on Mt. Washington, Forbidden Plateau. Courtenay, V.I., 8 Aug., 1933.

5. *Anurida maritima* (Linn.)

On seashore, Nanaimo, V.I., July, 1926. G. J. S.

Family ENTOMOBRYIDAE Tomosvary, 1883  
Subfamily ISOTOMINAE Schaffer, 18966. *Folsomia fimetaria* var. *dentata* Folsom

From potato cellar, Vancouver, 1 Dec., 1933. G. J. S.

7. *Isotoma viridis* Bourlet

Under wet log by a pool, Kamloops, 9 June, 1933.

8. *Isotoma viridis* var. *catena* Guthrie

Damp earth floor, Brown's carnation house, Vancouver, 25 May, 1933. G. J. S.

9. *Isotoma palustris* Muller

Under dry board on swampy ground. Courtenay, V.I., 17 May, 1933.

10. *Entomobrya multifasciata* (Tullberg)

Under dry stone in dry pasture, Vavenby, North Thompson River valley, 5 June, 1933.

11. *Entomobrya triangularis* Schott.

No data.

12. *Sira buski* Lubbock

"A rather common resident of dwelling houses; occasionally under bark." (Mills) Alongside dry road, under boulders in dry conditions. Barriere, North Thompson River valley, 2 June, 1933.

13. *Lepidocyrtus cyaneus* Tullberg

"Generally extensively common." (Mills) Victoria, V.I., 16 July, 1933.

Subfamily TOMOCERINAE Schaffer, 1896

14. *Tomocerus flavescens* var. *arcticus* Schott

Under bark of big tree, Courtenay, V.I., 12 May, 1933; under bark at snowline. Courtenay, V.I., 10 April, 1933, when disturbed are active a short time then lie at various angles in snow crevices; under damp wood on Point Grey golf course, Vancouver, 22 April, 1933; under wet leaves at edge of rain pond, alder swamp, Courtenay, V.I., 14 May, 1933.

Subfamily SMINTHURINAE Boerner, 1906

15. *Bourlettiella spinata* (MacGillivray)

On lily leaves in Lost Lake, Victoria, V.I., 25 July, 1933.

16. *Phenothrix unicolor* (Harvey)

"On agarics and in humus." (Mills). Under damp stones, Camp 4, Forbidden Plateau, Courtenay, V.I., 8 Aug., 1933.

## LITERATURE CITED

Mills, Harlow B., 1934. A monograph of the Collembola of Iowa. Colleg. Press. Inc., Ames Iowa.