

Checklist of the Collembola: Nomina Collembola Canada British Columbia

[Robert A. Cannings](#), Royal British Columbia Museum, Victoria, B.C., Canada V8W 9W2

Preamble

This species list is a compilation from several sources by Valin Marshall, now retired. Valin Marshall was a soil scientist with the Canadian Forest Service in Victoria who mainly studied mites and, to a certain extent, nematodes and springtails.

I do not study Collembola, but some time ago I spent some time trying to document the species in British Columbia as part of a much larger project on the families of hexapods of the province. This project looks briefly at the morphology, biology and diversity of all families in BC and includes keys to the families. I wrote a brief summary of the BC springtail fauna and began to draw up a key to families based on the Collembola website, but never completed the key to my satisfaction.

Valin Marshall gave me the list when I was working on this several years ago. I hope to put it on the Internet soon along with preliminary checklists of a wide range of groups. I'm not sure what the status of the "unpublished" records from Arne Fjellberg and others is, but this list is now old.... Nothing has been added after the early 2000s.

I cannot confirm the records on this list.... There may be addition or other comments.

Robert A Cannings

2010.03.16

Introduction

Species in black are from Skidmore (1995); those in **blue** are from Battigelli and Marshall (1993), Setälä and Marshall (1994), and Rusek and Marshall (1995); and those in **red** are from Jan Addison (unpublished). Those in **pink** are from Buffy Baumbrough (Berch et al. 2001) and unpublished. Those in **green** are from a list given to me (Jan) of his Canadian collection by Arne Fjellberg (unpublished), and **plum** from Cannings in Hebda and Haggarty (1997).

Species List

1. Family Poduridae

1. *Podura aquatica* Linné, 1758

2. Family Hypogastruridae

1. *Schaefferia cheoha* Wray 1963
2. *Schaefferia duodecimocellata* Bonet 1945

3. *Ceratophysella armata* Nicolet, 1842
4. *Ceratophysella denticulata* (Bagnall, 1941)
5. *Ceratophysella pecki* (Christiansen and Bellinger 1980-81)
6. *Ceratophysella pseudarmata* (Folsom, 1916)
7. *Ceratophysella glancei* Hammer, 1953
8. *Ceratophysella* sp.
9. *Ceratophysella* sp.2
10. *Hypogastrura (Cyclograna) horrida* Yosii, 1960
11. *Hypogastrura (Cyclograna) krafti* (Scott, 1962)
12. *Hypogastrura (Cyclograna) virga* Christiansen & Bellinger, 1980-81
13. *Hypogastrura (Cyclograna) vulgaris* (Yosii, 1960)
14. *Hypogastrura (Cyclograna) wallmoi* Fjellberg, 1985
15. *Hypogastrura (Hypogastrura) matura* (Folsom, 1916)
16. *Hypogastrura (Hypogastrura) nivicola* (Fitch, 1846)
17. *Hypogastrura (Hypogastrura) pannosa* (MacNamara, 1922)
18. *Hypogastrura (Hypogastrura) perplexa* Christiansen and Bellinger 1980-81
19. *Hypogastrura (Hypogastrura) purpurescens* (Lubbock, 1868)
20. *Hypogastrura (Hypogastrura) tookli* Fjellberg, 1985
21. *Hypogastrura (Hypogastrura) trybomi* (Schött, 1893)
22. *Hypogastrura (Hypogastrura) tullbergi* (Schäfer, 1900)
23. *Hypogastrura (Hypogastrura) utahensis* (wray, 1953)
24. *Hypogastrura (Hypogastrura) viatica* (Tullberg, 1872)
25. *Hypogastrura (Mitchellania) virga* Christainsen & Bellinger, 1980-81
26. *Hypogastrura (Mitchellania) vulgaris* Yosii, 1960
27. *Hypogastrura (Mucrella) arborea* Fjellberg, 1992
28. *Microgastrura minutissima* (Mills, 1934)
29. *Willemia arida* Fjellberg, 1991
30. *Willemia anophthalma* Börner 1901
31. *Willemia biseta* Christiansen & Bellinger, 1980-81
32. *Willemia denisi* Mills, 1932
33. *Willemia granulata* Fjellberg , 1985
34. *Willemia intermedia* Mills, 1934
35. *Willemia scandinavica* Stach, 1949
36. *Xenylla affiniformis* Stach, 1929
37. *Xenylla canadensis* Hammer, 1953
38. *Xenylla humicola* (O. Fabricius, 1870)

3. Family Odontellidae

1. *Odontella biloba* Christiansen & Bellinger, 1980-81
2. *Odontella conifer* Mills, 1934
3. *Odontella rossi* Christainsen & Bellinger, 1980-81
4. *Odontella shasta* Christainsen & Bellinger, 1980-81
5. *Odontella stella* Christiansen and Bellinger 1980-81
6. *Odontella substriata* Wray, 1952
7. *Odontella* sp.
8. *Xenyllodes amata* Axelson, 1903

9. *Xenyllodes wapiti* Fjellberg, 1985
10. *Xenyllodes* sp.

4. Family Neanuridae

1. *Anurida maritima* (Guérin-Méneville, 1838)
2. *Anurida polaris* (Hammer, 1954)
3. *Anurida tullbergi* Schött, 1891
4. *Brachystomella parva* (Schäffer, 1896)
5. *Brachystomella stachi* Mills, 1934
6. *Cristobella ornata* (Folsom, 1920)
7. *Cristobella setosa* (Canby, 1926)
8. *Cristobella* sp. n.
9. *Friesea alaskella* Fjellberg, 1985
10. *Friesea cera* Christiansen and Bellinger 1973
11. *Friesea fara* Christiansen & Bellinger, 1973
12. *Friesea grandis* Mills, 1934
13. *Friesea millsii* Christiansen & Bellinger, 1980-81
14. *Frisea pentacantha* Mills, 1934
15. *Friesea quinta* Christiansen & Bellinger, 1974
16. *Friesea wilkeyi* Christiansen & Bellinger, 1974
17. *Micranurida pygmaea* (Börner, 1901)
18. *Micranurida spirillifera* (Hammer, 1953)
19. *Micranurida* sp.
20. *Morulina multatuberculata* (Coleman, 1941)
21. *Morulodes serratus* (Folsom, 1916)
22. *Neanura (Deutonura) frigida* Yosii, 1969
23. *Neanura (Deutonura)* sp.
24. *Neanura (Lathriopyga) ornata* Folsom, 1902
25. *Neanura (Lathriopyga) setosa* Canby, 1926
26. *Neanura (Neanura) persimilis* Mills, 1934
27. *Paranura colorata* Mills, 1934
28. *Paranura sitchensis* Fjellberg, 1985
29. *Paranura* sp.
30. *Pratanurida foxi* Fjellberg, 1985
31. *Pratanurida tananensis* Fjellberg 1985
32. *Pseudachorutes aureofasciatus* (Harvey, 1896)
33. *Pseudachorutes columbicus* Rusek, 1991
34. *Pseudachorutes corticolus* (Schäffer, 1897)
35. *Pseudachorutes curtus* Christiansen & Bellinger, 1980-81
36. *Pseudachorutes lunatus* Folsom, 1916
37. *Pseudachorutes saxatilis* MacNammara, 1920
38. *Pseudachorutes subcrassoides* Mills, 1934
39. *Pseudachorutes* sp.1
40. *Pseudachorutes* sp.2
41. *Pseudachorutes* sp. (POA-10)
42. *Pseudachorutes* sp.

5. Family Onychiuridae

1. *Lophognathella choreutes* Börner, 1908
2. *Multivesicula columbica* Rusek 1982
3. *Multivesicula punctata* Rusek, 1982
4. *Onychiurus* (*Archaphorura*) *absoloni* Böner, 1901
5. *Onychiurus* (*Hymenaphorura*) *deca* Christiansen & Bellinger 1980-81
6. *Onychiurus* (*Hymenaphorura*) *similis* (Folsom, 1917)
7. *Onychiurus* (*Hymenaphorura*) *sp. ? talus* Christiansen & Bellinger 1980-81
8. *Onychiurus* (*Onychiurus*) *dentatus* (Folsom, 1902)
9. *Onychiurus* (*Onychiurus*) *eisi* Rusek, 1976
10. *Onychiurus* (*Onychiurus*) *eous* Christiansen & Bellinger, 1980-81
11. *Onychiurus* (*Onychiurus*) *flavescens* Kinoshita, 1916
12. *Onychiurus* (*Onychiurus*) *ramosus* Folsom, 1917
13. *Onychiurus* (*Onychiurus*) *millsi* Chamberlain, 1943
14. *Onychiurus* (*Onychiurus*) *reluctus* Christiansen, 1961
15. *Onychiurus* *sp. ? lusus* Christiansen & Bellinger, 1980-81
16. *Onychiurus* cf. *wilchi* Wray, 1950
17. *Onychiurus* *sp.*
18. *Onychiurus* (*Paotophorura*) *armatus* group (Tullberg, 1869)
19. *Onychiurus* (*Protaphorura*) *cocklei* (Folsom, 1908)
20. *Onychiurus* (*Protaphorura*) *churchilliana* Hammer, 1953
21. *Onychiurus* (*Protaphorura*) *debilis* (Moniez, 1890)
22. *Onychiurus* (*Protaphorura*) *duodecimpunctatus* (Folsom, 1919)
23. *Onychiurus* (*Protaphorura*) *pseudarmatus* (Folsom, 1917)
24. *Onychiurus* (*Protaphorura*) *sibiricus* (Tullberg) 1917
25. *Onychiurus* (*Protaphorura*) *subtenuis* (Folsom, 1917)
26. *Onychiurus* (*Protaphorura*) *uenio* (Yosii, 1954)
27. *Onychiurus* (*Protaphorura*) *voegtlini* Christiansen and Bellinger, 1980-81
28. *Sensiphorura marshalli* Rusek, 1976
29. *Tullbergia* (*Tullbergia*) *bella* Fjellberg, 1988
30. *Tullbergia* (*Tullbergia*) *duops* Christiansen and Bellinger 1980-81
31. *Tullbergia* (*Tullbergia*) *iowensis* Mills, 1932
32. *Tullbergia* (*Tullbergia*) *krausbaueri* Börner, 1901
33. *Tullbergia* (*Tullbergia*) *macrochaeta* Rusek, 1976
34. *Tullbergia* (*Tullbergia*) *mala* Christiansen and Bellinger 1980-81
35. *Tullbergia* (*Tullbergia*) *obtusochaeta* (Rusek, 1976)
36. *Tullbergia* (*Tullbergia*) *pacifica* (Rusek, 1976)
37. *Tullbergia* (*Tullbergia*) *ruseki* Christiansen & Bellinger, 1980-81
38. *Tullbergia* (*Tullbergia*) *vancouverica* (Rusek, 1976)
39. *Tullbergia* (*Tullbergia*) *yosii* (Rusek, 1967)

6. Family Isotomidae

1. *Agrenia agilis* Fjellberg, 1986
2. *Agrenia atroviridis* Fjellberg, 1986

3. *Agrenia bidenticulata* (Tullberg, 1876)
4. *Agrenia cyanura* Fjellberg, 1986
5. *Agrenia riparia* Fjellberg, 1986
6. *Anurophorus pacificus* Potapov, 1997
7. *Anurophorus sorosi* Potapov, 1997
8. *Anurophorus septentrionalis* Palissa 1966
9. *Anurophorus trisensillus* Potapov, 1997
10. *Ballistura libra* Christiansen & Bellinger, 1980-81
11. *Coloburella (Coloburella) octogeneria* (Mills & Schmidt, 1957)
12. *Cryptopygus* sp. ? *exilis*
13. *Cryptopygus* sp. n.
14. *Cryptopygus thermophilus* (Axelson) 1900
15. *Folsomia bisetosa* Gisin 1953
16. *Folsomia candida* Willem, 1902
17. *Folsomia duodecimoculata* Ford, 1962
18. *Folsomia elongata* (MacGillivray, 1896)
19. *Folsomia fimeteria* (Linné, 1758)
20. *Folsomia inoculata* Stach, 1947
21. *Folsomia macroseta* Ford, 1962
22. *Folsomia nivalis* (Packard, 1873)
23. *Folsomia ozeana* Yosii , 1954
24. *Folsomis picea* Christiansen & Tucker, 19..
25. *Folsomia quadrioculata* (Tullberg, 1871)
26. *Folsomia regularis* Hammer, 1952
27. *Folsomia sexoculata* (Tullberg, 1871)
28. *Folsomia stella* Christiansen & Tucker, 1977
29. *Folsomia* sp.
30. *Folsomides parvulus* Stach ,1922
31. *Isotoma (Cheirotoma) spatulata* Chamberlain, 1943
32. *Isotoma (Cheirotoma)* sp.
33. *Isotoma (Desoria) agrelli* Delamare, 1950
34. *Isotoma (Desoria) alaskensis* Fjellberg, 1978
35. *Isotoma (Desoria) ekmani* Fjellberg, 1977
36. *Isotoma (Desoria) ahiehi* (Christiansen and Bellinger, 1992)
37. *Isotoma (Desoria) flora* Christiansen & Bellinger, 1980-81
38. *Isotoma (Desoria) multisetis* Carpenter & Phillips, 1922
39. *Isotoma (Desoria) notabilis* Schäffer, 1896
40. *Isotoma (Desoria) tariva* Wray, 1953
41. *Isotoma (Desoria) trispinata* MacGillivray, 1896
42. *Isotoma (Desoria) uniens* Christiansen & Bellinger, 1980-81
43. *Isotoma (Isotoma) viridis* Bourlet, 1839
44. *Isotoma* sp.
45. *Isotoma* sp.2
46. *Isotoma (Pseudisotoma) monochaeta* Kos, 1942
47. *Isotoma (Pseudisotoma) sensibilis* (Tullberg, 1876)
48. *Isotoma (Vertagopus) alpa* Christiansen & Bellinger, 1980-81
49. *Isotoma (Vertagopus) arborea* (Linné, 1758)

50. *Isotoma (Vertagopus) beta* (Christiansen and Bellinger ,1980-81)
51. *Isotoma (Vertagopus) pseudocinerea* (Fjellberg, 1975)
52. *Isotoma (Vertagopus) sp.*
53. *Isotomiella minor* (Schäffer, 1986)
54. *Isotomodes productus* (Axelson, 1903)
55. *Isotomodes klostermani* Bernard 1973
56. *Isotomorus (Isotomorus) palustris* (Müller, 1776)
57. *Metisotoma grandiceps* (Reuter, 1891)
58. *Micrisotoma achromata* Bellinger, 1952
59. *Proisotoma (Proisotoma) agrelli* (Delamare, 1950)
60. *Proisotoma (Proisotoma) beta* Christiansen & Bellinger, 1980-81
61. *Proisotoma (Proisotoma) immersa* (Folsom, 1924)
62. *Proisotoma (Proisotoma) mackenziana* Hammer, 1953
63. *Proisotoma (Proisotoma) minima* (Absolon, 1901)
64. *Proisotoma (Proisotoma) minuta* (Tullberg 1871)
65. *Pseudanurophorus binoculatus* (Kseneman, 1934)
66. *Pseudanurophorus arcticus* (Christiansen, 1952)
67. *Pseudanurophorus sp.*
68. *Tetracanthella californica* Deharveng 1978
69. *Tetracanthella pacifica* Rusek & Marshall, 1976

7. Family Entomobryidae

1. *Entomobrya (Entomobrya) assuta* Folsom, 1924
2. *Entomobrya (Entomobrya) comparata* Folsom, 1919
3. *Entomobrya (Entomobrya) confusa* Christiansen, 1958
4. *Entomobrya (Entomobrya) multifasciata* (Tullberg, 1871)
5. *Entomobrya (Entomobrya) triangularis* (Schött, 1896)
6. *Entomobrya nivalis* (Linné, 1758)
7. *Entomobrya washingtonia* Mills, 1896
8. *Entomobrya sp.*
9. *Entomobrya sp.1*
10. *Entomobrya sp. 2*
11. *Entomobrya (Entomobryoides) guthriei* Mills, 1931
12. *Entomobrya (Mesentotoma) sp.*
13. *Harlomillsia oculata* (Mills, 1937)
14. *Lepidocyrtus cyaneus* Tullberg, 1871
15. *Lepidocyrtus lanuginosus* (Gmelin, 1788)
16. *Lepidocyrtus violacaeus* Fourcroy , 1785
17. *Lepidocyrtus sp.*
18. *Oncopodura sp.*
19. *Orchesella cincta* (Liné, 1758)
20. *Orchesella zebra* Guthrie, 1903
21. *Pseudosinella alba* (Packard, 1873)
22. *Pseudosinella collina* Wray, 1952
23. *Pseudosinella octopunctata* Börner, 1901
24. *Seira bipunctata* Packard, 1873

25. *Sinella (Sinella) baca* Christiansen & Bellinger, 1980-81
26. *Sinella (Sinella) binocolata* (Schött, 1896)
27. *Sinella (Sinella) curviseta* Brook, 1882
28. *Sinella (Sinella) sexoculata* (Schött, 1896)
29. *Sinella* sp.1
30. *Sinella* sp.2
31. *Sinella* sp. n.
32. *Willowsia buskii* (Lubbock, 1870)

8. Family Oncopoduridae

1. *Oncopodura* sp.

9. Family Tomoceridae

1. *Tomocerus vulgaris* (Tullberg, 1871)
2. *Tomocerus (Plutomurus) brevimumcromatus* Denis, 1929
3. *Tomocerus (Pogonognathellus) dubius* Christiansen, 1965
4. *Tomocerus (Pogonognathellus) elegans* (Maynard, 1951)
5. *Tomocerus (Pogonognathellus) flavescens* Tullberg, 1871
6. *Tomocerus (Pogonognathellus) wilkeyi* Christiansen, 1965
7. *Tomocerus (Pogonognathellus) sp.*
8. *Tomocerus (Tomocerina) lamelliferus* Mills, 1934
9. *Tomocerus (Tomocerina) curtus* Christiansen
10. *Tomocerus (Tomolonus) reductus* (Mills, 1949)
11. *Tomocerus* sp.

10. Family Sminthuridae

1. *Sminthurides (Denisiella) sexspinnatus* Denis, 1931
2. *Sminthurides (Sminthurides) aquaticus* (Bourlet, 1843)
3. *Sminthurides (Sminthurides) malmgreni* (Tullberg, 1876)
4. *Sminthurides (Sminthurides) occultus* Mills 1934
5. *Sminthurides (Stenacidia) sp.*
6. *Sphaerida pumilis* (Krausbauer, 1898)
7. *Sphaerida serrata* (Folsom & Mills, 1938)
8. *Sphaeridia* sp. n.

11. Family Arrhopalitidae

1. *Arrhopalites benitus* (Folsom, 1896)
2. *Arrhopalites clarus* Christiansen, 1966
3. *Arrhopalites diversus* Mills 1934
4. *Arrhopalites hirtus* Christiansen, 1966
5. *Arrhopalites principalis* Stach, 1945
6. *Arrhopalites* sp.
7. *Arrhopalites* sp.2

12. Family Katiannidae

1. *Sminthurinus (Polykatianna) sminthurinus* (Mills, 1934)
2. *Sminthurinus (Sminthurinus) conchylatus* Snider, 1978
3. *Sminthurinus (Sminthurinus) elegans* (Fitch, 1863)
4. *Sminthurinus (Sminthurinus) henshawi* (Folsom, 1896)
5. *Sminthurinus (Sminthurinus) quadrimaculatus* (Ryder, 1878)
6. *Sminthurinus* sp.

13. Family Dicyrtomidae

1. *Dicyrtoma* sp.
2. *Ptenothrix atra* (Linné, 1758)
3. *Ptenothrix maculosa* (Schött, 1891)
4. *Ptenothrix marmorata* (Packard 1973)
5. *Ptenothrix* sp.

14. Family Sminthuridae

1. *Sminthurus* sp.

15. Family Bourletiellidae

1. *Bourletiella (Bourletiella) hortensis* (Fitch, 1863)
2. *Pseudobourletiella spinata* (MacGillivray, 1893)

16. Family Neelidae

1. *Megalothorax minimus* Willem, 1900

17. Family Mackenziellidae

1. *Mackenziella psocoides* Hammer, 1953