

An Index of the Rotatoria of New Zealand and Outlying Islands from 1859 to 1959

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Abstract

THE Index lists in alphabetical order of genera and species the rotifers that have been found in New Zealand and outlying islands from 1859 to 1959. When necessary the generic and specific names employed in previous papers of the Rotatoria of New Zealand have been revised in accordance with recent systematic changes.

INTRODUCTION

THE records of the New Zealand Rotatoria are scattered through New Zealand and overseas journals, and although Morris (1913) and Russell (1945) have published revised lists embracing the work of previous authors they have become out of date due to the changes that have taken place in the systematics and nomenclature of the Rotatoria. Since 1945 many additions have been made to the list of New Zealand rotifers, and generally a complete revision has become necessary.

In view of requests from overseas workers for lists of New Zealand rotifers, and for ease of reference, an Index appeared to be the preferable form of list. A systematic paper would have merely duplicated much of the information contained in such works as Haring (1913) and Voigt (1957).

Part I of this paper contains, so far as may be ascertained from the Zoological Records, all papers and works relating to the New Zealand Rotatoria. The Index which forms Part II of this paper is arranged in alphabetical order of genera and species; and references to the publications of Part I are by author, the marginal number of the paper, and page. The approximate location where specimens were collected is also given. Synonyms are given only when authors have described animals under synonymous names. References to the literature in the case of authority citations have been omitted, as these are contained in the literature of Part I which, since 1945, includes ecological and morphological details of the rotifers listed.

The limnologist or other user of this Index will generally be more interested in the name of an animal, and the location where it was found, than in the source of its name; but from the references in Part I, and recourse to Voigt (1957), and Haring (1913), almost any specific name may be traced through the voluminous literature of the Rotatoria. Both of the above works are in the Library of the University of Canterbury, and probably in other centres.

Part III of this paper lists specific names employed by authors which have been omitted from the Index as they are no longer valid, and the animals unrecognizable.

I have to thank Dr. J. T. Salmon, of the Department of Zoology, Victoria University of Wellington, for his valuable advice on the compilation of this paper. I would also thank Mr. Gregory W. Russell, of Christchurch, for his assistance in checking the entries and references.

THE EXTENT OF OUR KNOWLEDGE OF THE ROTIFER FAUNA OF NEW ZEALAND

At the present time approximately one-eighth of the known rotifer species have been found in New Zealand. Rotifers are potentially cosmopolitan, and with our wide variety of habitats and ecological conditions it is certain that many more species will ultimately be found.

It is considered that only in the case of the lakes of the South Island has the rotifer fauna been moderately well established; but as the life cycle of many plioimate rotifers is influenced by the temperature and hydrogen-ion content of the water it would require systematic collections in any habitat over at least one year to accurately determine what species it contains. The Southern Lakes have been sampled over a wide range of ecological conditions, but not through the winter months. However, collections were made weekly from one small tarn over a period of two years, and it was found that with temperatures below 15 degrees centigrade the rotifer populations were small with very few species.

Isolated collections from the Rotorua thermal district indicate that this area contains a very wide range of species, including planktonic forms. The results would justify an intensive examination of the lakes, pools, and swamps throughout the thermal district. In general, oligotrophic lakes have been found to have small rotifer populations, mostly limnetic forms; but eutrophic lakes have large populations with littoral, limnetic, and often planktonic species.

Many swamps are available but few have been sampled. Collections made from swamps having a low pH indicate that many species are to be found with small populations, and the reverse is true when the water has a high pH.

Bdelloidal rotifers from terrestrial and emergent habitats have not been studied since 1909 when Murray (1911 and 1913) made his extensive collections. Recently however, Mr. S. B. Haigh, of Henderson, commenced an investigation of these animals in the Auckland and National Park areas. Aquatic bdelloids are found in many preserved samples, but always in a contracted condition when they are worthless for study.

Sessile, psammolittoral, and marine rotifers have been found in New Zealand, but they have not received much attention. Marine rotifers of the genus *Synchaeta* generally appear in the coastal waters of the South Island during September each year. Some recent collections amongst aquatic vegetation on the edges of rivers show that a definite lotic rotifer fauna exists in such habitats if the velocity of the stream is not too great, and the water unpolluted.

It is suggested that rotifer eggs may be transported to our shores by birds or winds as three species thought to be endemic to Australia have been found on the West Coast of the South Island. Russell (1954), and an unpublished paper.

It must be concluded that our knowledge of the Rotatoria of New Zealand is comparatively small, and will have to be extended before ecological and other problems associated with the phylum can be undertaken. A wider range of collections will have to be made, and more workers are required in this field.

PART I.—LIST OF PAPERS CONTAINING REFERENCES TO THE NEW ZEALAND
ROTATORIA

1. BREHM, V., 1928. Fresh Water Fauna of New Zealand, Contributions to the Knowledge of. *Trans. N.Z. Inst.* 59: 779-812.
2. HAMILTON, A., 1879. On *Melicerta ringens* and *Plumatella repens*. *Trans. N.Z. Inst.* 12: 301-303.
3. HARRING, H. K., 1913. Synopsis of the Rotatoria. Bulletin 81, Smithsonian Institute, Washington.
4. HILGENDORF, F. W., 1898. A Contribution to the Study of the Rotifera of New Zealand. *Trans. N.Z. Inst.* 31: 107-134.

5. HILGENDORF, F. W., 1902. The Rotifera of New Zealand. A Revised and Expanded List. *Trans. N.Z. Inst.* 35: 267–271.
6. HUTTON, F. W., 1904. Index Faunae Novae-Zelandiae, London. pp. 300–301. (A copy of Hilgendorf, 1902 (5)).
7. MORRIS, C. B., 1912. Some Notes on Rotifers not Previously Recorded in New Zealand. *Trans. N.Z. Inst.* 45: 163–167.
8. ——— 1913. Classified List of the New Zealand Rotatoria. *Trans. N.Z. Inst.* 46: 213–219.
9. MURRAY, J., 1911. Rotifers of New Zealand Collected by the Shackleton Antarctic Expedition, 1907–9. *Jour. Roy. Micr. Soc.*, pp. 573–583.
10. ——— 1913. Australasian Rotifers. *Jour. Roy. Micr. Soc.*, pp. 455–461.
11. RICHTERS, F., 1908. Beitrag zur Kenntniss der Moosfauna Australiens und der Inseln des Pacifischen Oceans. *Zool. Jahrb, Jena. Abt. Syst.* 26: 196–213.
12. RUSSELL, C. R., 1944. A New Rotifer from New Zealand. *Jour. Roy. Micr. Soc.*, pp. 121–123.
13. ——— 1945. A Reference List of the Rotatoria of New Zealand, with Ecological Notes. *Trans. Roy. Soc. N.Z.*, 75: 102–123.
14. ——— 1947. Additions to the Rotatoria of New Zealand. Part I. *Trans. Roy. Soc. N.Z.* 76: 403–408.
15. ——— 1949. Additions to the Rotatoria of New Zealand. Part II. *Trans. Roy. Soc. N.Z.* 77: 351–354.
16. ——— 1950. Additions to the Rotatoria of New Zealand. Part III. *Trans. Roy. Soc. N.Z.* 78: 161–166.
17. ——— 1951. An Index of the Rotifers in the C. B. Morris Collection of Microscope Slides at the Cawthron Institute, Nelson. *Trans. Roy. Soc. N.Z.* 79: 52–54.
18. ——— 1951. The Rotatoria of the Upper Stillwater Swamp. *Rec. Cant. Mus.* 5: 245–251.
19. ——— 1952. Additions to the Rotatoria of New Zealand. Part IV. *Trans. Roy. Soc. N.Z.* 80: 59–62.
20. ——— 1953. Additions to the Rotatoria of New Zealand. Part V. *Trans. Roy. Soc. N.Z.* 81: 73–78.
21. ——— 1953. Some Rotatoria of the Chatham Islands. *Rec. Cant. Mus.* 6: 237–244.
22. ——— 1954. Additions to the Rotatoria of New Zealand. Part VI. *Trans. Roy. Soc. N.Z.* 82: 461–463.
23. ——— 1956. Some Additions to the Rotatoria of the Chatham Islands. *Rec. Cant. Mus.* 7: 51–53.
24. ——— 1956. Some Rotifers from the Fiordland District. *Rec. Cant. Mus.* 7: 55–59.
25. ——— 1957. Additions to the Rotatoria of New Zealand. Part VII. *Trans. Roy. Soc. N.Z.* 84: 939–940.
26. ——— 1958. Some Rotifers from Campbell Island. *Rec. Domn. Mus.* 3: 137–140.
27. ——— 1959. Additions to the Rotatoria of New Zealand. Part VIII. *Trans. Roy. Soc. N.Z.* 87: 69–73.
28. SCHMARDA, L. K., 1859. Neue wirbellose thiere beobachtet und gesammelt auf einer Reise um die Erde 1853 bis 1857. *Wien. Rotatorien*, pp. 47–66.
29. STOCK, A., 1892. On a New Variety of *Floscularia coronetta*. *Trans. N.Z. Inst.* 25: 193.
30. VOIGT, M., 1957. Die Radertiere Mitteleuropas, 2 vols., Berlin.

PART II

The references in the Index denote the marginal number of the paper in Part I, and the page number. A letter "S" concluding the entry signifies that a microscope slide of the animal is in the Canterbury Museum's collection of the Rotatoria. "TS" indicates a type slide.

THE INDEX

GENUS ADINETA HUDSON, 1886

Adineta barbata Janson 1893.

LOCALITY: Auckland, Wakatipu; Murray 9:575, Russell 13:118.

Adineta gracilis Janson 1893.

LOCALITY: Canterbury, Mt. Cook, Wakatipu, West Coast; Murray 9:575, Russell 13:118.

Adineta longicornis Murray 1906.

LOCALITY: Auckland, Mt. Cook, West Coast; Murray 9:575, Russell 13:118.

Adineta tuberculosa Janson 1893.

LOCALITY: Mt. Cook, West Coast; Murray 9:575, Russell 13:118.

Adineta vaga (Davis) 1873.

LOCALITY: Auckland, Mt. Cook, West Coast; Murray 9:575, Russell 13:118.

Genus ANURAEOPSIS Lauterborn 1900

Anuraeopsis fissa (Gosse) 1851.1886. *Anuraea hypelasma* Gosse.

LOCALITY: Auckland; Hilgendorf 5:271, Russell 13:109. Christchurch; Russell 13:109, 14:406, Morris 8:218.

Genus ARGONOTHOLCA Gillard 1948

Argonotholca foliacea (Ehrb.) 1838.1889. *Notholca foliacea* Hudson and Gosse.

LOCALITY: Campbell Island; Russell 26:139.

Genus ASCOMORPHA Perty 1850

Ascomorpha volvocicola (Plate) 1886.

LOCALITY: Christchurch; Russell 13:114.

Genus ASPELTA Harring and Myers 1928

Aspelta aper (Harring) 1913.

LOCALITY: Wellington; Russell 25:939. S.

Genus ASPLANCHNA Gosse 1850

Asplanchna amphora Hudson 1889.

LOCALITY: Rotorua; Russell 27:69. S.

Asplanchna brightwelli Gosse 1850.

LOCALITY: North Otago and South Canterbury; Morris 7:165, 8:217, Russell 13:115. Christchurch; Russell 13:115. S.

Asplanchna intermedia Hudson 1886.

LOCALITY: Christchurch; Russell 13:115. Campbell Island; Russell 26:137.

Asplanchna priodonta Gosse 1850.

LOCALITY: Lake Taylor; Russell 15:354. S.

Genus ASPLANCHNOPUS de Guerne 1888

Asplanchnopus multiceps (Schrank) 1793.1834. *Asplanchnopus myrmelo* Ehrb.

LOCALITY: North Otago; Morris 7:165, 8:217, Russell 13:115. S.

Genus BRACHIONUS Pallas 1766

Brachionus angularis Gosse 1851.

LOCALITY: Enfield; Morris 7:166, 8:214, Russell 13:107. Christchurch; Russell 13:107. S.

Brachionus bidentata Anderson 1889.

LOCALITY: Canterbury; Russell 15:353. S.

Brachionus calyciflorus Pallas 1766.

LOCALITY: Christchurch; Russell 13:107, 20:73. S.

Brachionus calyciflorus var. *pala* (Ehrb.) 1838.

LOCALITY: North Otago; Morris 7:166, 8:214, Russell 13:107.

Brachionus caudatus Barrois and Daday 1894.

LOCALITY: Christchurch; Russell 14:406. Campbell Island; Russell 26:138.

Brachionus caudatus var. *aculeatus* (Hauer) 1937.

LOCALITY: Kapiti Island; Russell 16:162.

Brachionus leydigii var. *quadratus* (Rousselet) 1889.1889. *Brachionus quadratus* Rousselet.1862. *Brachionus leydigii* Cohn.

LOCALITY: Palmerston South; Morris 7:167, 8:215, Russell 13:107.

- Brachionus novae-zealandiae** (Morris) 1912.
1912. *Brachionus variabilis* var. *novae-zealandiae* Morris.
LOCALITY: Totara; Morris 7:167; 8:214, Russell 13:107.
- Brachionus plicatilis** Muller 1786.
LOCALITY: Christchurch; Russell 14:406.
- Brachionus quadridentatus** Hermann 1783.
1786. *Brachionus bakeri* Muller.
LOCALITY: Morris 7:166, 8:214, Russell 13:107. Christchurch; Russell 13:107. S.
- Brachionus rubens** Ehrb. 1838.
LOCALITY: Christchurch; Russell 14:406. S.
- Brachionus urceolaris** Muller 1773.
? 1913. *Brachionus urceus* Harring.
LOCALITY: ? Oamaru; Morris 8:215, Russell 13:108. Christchurch; Russell 14:405. S.
- Brachionus zahniseri** Ahlstrom 1934.
LOCALITY: Auckland; Russell 27:69. S.

Genus BRYCELLA Remane 1929.

- Brycella tenella** (Bryce) 1897.
1897. *Stephanops tenellus* Bryce.
1913. *Squatinella tenella* Harring.
LOCALITY: Auckland; Murray 9:576, Russell 13:111.

Genus CEPHALODELLA Bory de St. Vincent 1830

- Cephalodella apocolea** Myers 1924.
LOCALITY: Canterbury; Russell 14:405.
- Cephalodella auriculata** (Muller) 1773.
? 1898. *Diaschiza taurocephalus* Hilgendorf.
1913. *Diaschiza auriculata* Harring.
LOCALITY: ? Taieri Beach; Hilgendorf 4:123, 5:270, Morris 8:214, Russell 13:105.
Canterbury; Russell 15:352.
- Cephalodella catellina** (Muller) 1786.
LOCALITY: Canterbury; Russell 15:352. S.
- Cephalodella eva** (Gosse) 1887.
LOCALITY: Wellington; Russell 27:69. S.
- Cephalodella exigua** (Gosse) 1886.
LOCALITY: Christchurch; Russell 15:352.
- Cephalodella forficata** (Ehrb.) 1832.
1851. *Furcularia caeca* Gosse.
1886. *Diaschiza paeta* Gosse.
1913. *Diaschiza forficata* Harring.
LOCALITY: Waihola Lake; Hilgendorf 5:270, Russell 13:105. Maheno; Morris 7:166, 8:214, Russell 13:105.
- Cephalodella forficula** (Ehrb.) 1832.
1838. *Furcularia forficula* Ehrb.
LOCALITY: Mt. Cook; Murray 9:576, Russell 13:105. Christchurch; Russell 13:105.
- Cephalodella gibba** (Ehrb.) 1832.
1832. *Furcularia gibba* Ehrb.
1886. *Diaschiza semiaperta* Gosse.
1913. *Diaschiza gibba* Harring.
LOCALITY: Taieri Beach; Hilgendorf 4:124. Lincoln; Hilgendorf 5:270. Auckland; Mt. Cook; Wellington; Murray 9:576, Russell 13:105, Morris 8:214. Christchurch; Russell 13:105. Canterbury; Russell 20:74.
- Cephalodella globata** (Gosse) 1887.
1887. *Diaschiza globata* Gosse.
LOCALITY: Oamaru; Morris 8:214, Russell 13:106.
- Cephalodella gracilis** (Ehrb.) 1832.
LOCALITY: Canterbury; Russell 15:352.
- Cephalodella intuta** Myers 1924.
LOCALITY: South Canterbury; Russell 27:71. S.

- Cephalodella lipara** Myers 1924.
LOCALITY: Martin's Bay; Russell 24:57. S.
- Cephalodella megaloccephala** (Glascott) 1893.
LOCALITY: Christchurch; Russell 16:162.
- Cephalodella mucronata** Myers 1924.
Non 1898. *Monommata appendiculata* Stenroos.
LOCALITY: Mt. Cook; Murray 10:455, Russell 13:105. Mt. Rolleston; Brehm 1:790, Russell 13:105. Lake Sumner; Russell 20:74.
- Cephalodella panarista** Myers 1924.
LOCALITY: Lake Tekapo; Russell 16:162.
- Cephalodella pheloma** Myers 1924.
LOCALITY: Wellington; Russell 25:939.
- Cephalodella physalis** Myers 1924.
LOCALITY: Lake Katrine; Russell 19:60.
- Cephalodella plicata** Myers 1924.
LOCALITY: Wellington; Russell 25:939. S.
- Cephalodella strepta** Myers 1924.
LOCALITY: Martin's Bay; Russell 24:56. S.
- Cephalodella tantilla** Myers 1924.
LOCALITY: Canterbury; Russell 19:60. S.
- Cephalodella tenuior** (Gosse) 1886.
1886. *Diaschiza tenuior* Gosse.
LOCALITY: Taieri Beach; Hilgendorf 5:270, Morris 8:214, Russell 13:106.
- Cephalodella ventripes** (Dixon-Nuttall) 1901.
1901. *Diaschiza ventripes* Dixon-Nuttall.
LOCALITY: Taieri Beach; Hilgendorf 5:270, Morris 8:214, Russell 13:106. Christchurch; Russell 14:405.

Genus COLLOTHECA Harring 1913

- Collothea ambigua** (Hudson) 1883.
1883. *Floscularia ambigua* Hudson.
LOCALITY: Auckland; Hilgendorf 5:267, Morris 8:218, Russell 13:117.
- Collothea coronetta** (Cubitt) 1869.
1869. *Floscularia coronetta* Cubitt.
LOCALITY: The Hutt; Stock 29:193, Russell 13:117, Morris 8:218, Hilgendorf 5:267.
- Collothea ornata** (Ehrb.) 1832.
1832. *Floscularia ornata* Ehrb.
LOCALITY: Lincoln; Hilgendorf 5:267, Morris 8:218, Russell 13:117.
- Collothea ornata** var. **cornuta** (Dobie) 1849.
1913. *Collothea cornuta* Harring.
LOCALITY: Christchurch; Russell 13:117. Campbell Island; Russell 26:138.

Genus COLURELLA Bory de St. Vincent 1824

- Colurella adriatica** Ehrb. 1831.
LOCALITY: Martin's Bay; Russell 24:56. S.
- Colurella colurus** (Ehrb.) 1830.
1886. *Colurus amblytelus* Gosse.
LOCALITY: Lincoln; Hilgendorf 5:271, Morris 8:216, Russell 13:111.
- Colurella colurus** form **compressa** (Lucks) 1912.
LOCALITY: New Brighton; Russell 22:461. Chatham Islands; Russell 23:52. S.
- ? **Colurella gracilis** (Hilgendorf) 1898.
? 1898. *Colurus gracilis* Hilgendorf.
LOCALITY: Taieri Beach; Hilgendorf 4: 128, Russell 13: 111.
- Colurella hindenbergi** Steinecke 1917.
LOCALITY: Canterbury; Russell 19:59.
- Colurella obtusa** (Gosse) 1886.
LOCALITY: Lake McGregor; Russell 16:165.
- Colurella salina** Althaus 1957.
LOCALITY: Lake Ellesmere; Russell 27:71.

Colurella unicata form bicuspidata (Ehrb.) 1832.1913. *Colurella bicuspidata* Harring.

LOCALITY: Christchurch; Russell 15:354. Chatham Islands; Russell 23:52. S.

Colurella unicata form deflexa (Ehrb.) 1834.1939. *Colurella bicuspidata* var. *deflexa* Carlin.

LOCALITY: Martin's Bay; Russell 24:56.

Genus **CONOCHILOIDES** Hlava 1904**Conochiloides coenobasis** Skorikov 1914.

LOCALITY: Dunedin; Russell 25:939. S.

Genus **CONOCHILUS** Ehrenberg 1834**Conochilus hippocrepis** (Schrank) 1830.1834. *Conochilus volvox* Ehrb.

LOCALITY: Waikakahi; Morris 7:164; 8:218, Russell 13:117. S.

Genus **CUPELOPAGIS** Forbes 1882**Cupelopagis vorax** (Leidy) 1857.

LOCALITY: Christchurch; Russell 19:60. S.

Genus **DICRANOPHORUS** Muller 1773**Dicranophorus dolerus** Harring and Myers 1928.

LOCALITY: Bealey; Russell 20:74.

Dicranophorus forcipatus (Muller) 1786.1832. *Diglena forcipata* Ehrb.

LOCALITY: Taieri Ferry; Hilgendorf 5:269, Morris 8:214, Russell 13:106. S.

Dicranophorus grandis (Ehrb.) 1832.

LOCALITY: Christchurch; Russell 13:106.

Genus **DIPLOIS** Gosse 1886**Diplois daviesiae** Gosse 1886.

LOCALITY: Cust, Canterbury; Russell 13:109.

Genus **DISSOTROCHA** Bryce 1910**Dissotrocha aculeata** (Ehrb.) 1832.

LOCALITY: Mt. Rolleston; Brehm 1:789, Russell 13:121.

Dissotrocha aculeata form dukesi Russell 1959.

LOCALITY: West Coast; Russell 27:70-71. TS.

Dissotrocha macrostyla (Ehrb.) 1838.1838. *Philodina macrostyla* Ehrb.

LOCALITY: Rotorua, Mt. Cook; Murray 9:575, Russell 13:121.

Genus **ELOSA** Lord 1891**Elosa worrali** Lord 1891.

LOCALITY: Mt. Cook; Murray 9:576, Russell 13:113.

Genus **ENCENTRUM** Ehrenberg 1838**Encentrum saundersiae** (Hudson) 1885.

LOCALITY: Waimakiriri River; Russell 15:353.

Genus **EOSPHORA** Ehrenberg 1830**Eosphora anthadis** Harring and Myers 1922.

LOCALITY: Lake Katrine; Russell 19:60.

Eosphora chrenbergi Weber 1918.? 1832. *Notommata najas* Ehrb.

LOCALITY: Awamoā; Morris 8:213, Russell 13:104.

Eosphora thoides Wulfert 1935.1836. *Eosphora aurita*. Werneck.

LOCALITY: Taieri Ferry; Hilgendorf 5:269, Russell 13:106, Morris 8:214.

Genus *EPIHANES* Ehrenberg 1832***Epihanes brachionus* (Ehrb.) 1837.**1886. *Notops brachionus* Hudson 1886.

LOCALITY: Dunedin; Morris 7:165, 8:214, Russell 13:106.

***Epihanes senta* (Muller) 1773.**1830. *Hydatina senta* Ehrb.1898. *Hydatina monopus* Hilgendorf.

LOCALITY: Lincoln; Hilgendorf 4:114, 5:269, Morris 8:214, Russell 13:106. Campbell Island; Russell 26:138.

Genus *EUCLANIS* Ehrenberg 1832***Euchlanis alata* Voronkov 1912.**

LOCALITY: Westland; Russell 18:249. Chatham Islands; Russell 23:52.

***Euchlanis calpidia* (Myers) 1930.**1930. *Dopidia calpidia* Myers.

LOCALITY: Christchurch; Russell 14:407. S.

***Euchlanis deflexa* (Gosse) 1851.**1930. *Dapidia deflexa* Myers.

LOCALITY: Canterbury; Murray 9:576. Christchurch; Russell 13:109.

***Euchlanis dilitata* Ehrb. 1832.**

LOCALITY: Lincoln; Hilgendorf 5:270. Canterbury; Murray 9:576, Morris 8:215. Christchurch; Russell 13:109.

***Euchlanis dilitata* var. *crassa* Myers 1938.**

LOCALITY: Lake McGregor; Russell 16:164.

***Euchlanis dilitata* var. *lucksiana* Hauer 1930.**1930. *Euchlanis lucksiana* Hauer.

LOCALITY: Chatham Islands; Russell 21:238. Westland; Russell 24:57. S.

***Euchlanis lyra* Hudson 1886.**

LOCALITY: Geraldine; Morris 8:215, Russell 13:109.

***Euchlanis meneta* Myers 1930.**

LOCALITY: Lake McGregor; Russell 19:60. Chatham Islands; Russell 21:238. S.

***Euchlanis oropha* Gosse 1887.**

LOCALITY: Canterbury, Mt. Cook; Murray 9:576, Russell 13:109.

***Euchlanis parva* Rousselet 1892.**

LOCALITY: Wellington; Russell 22:461.

***Euchlanis pyriformis* Gosse 1851.**1930. *Dapidia pyriformis* Myers.

LOCALITY: Christchurch; Russell 25:939. S.

***Euchlanis triquetra* Ehrb. 1838.**

LOCALITY: Christchurch; Russell 13:109.

Genus *EUDACTYLOTA* Manfredi 1927***Eudactylota eudactylota* (Gosse) 1886.**1886. *Scaridium eudactylotum* Gosse.

LOCALITY: Mt. Cook; Murray 10:455, Russell 13:112. S.

Genus *FILINIA* Bory de St. Vincent 1824***Filinia cornuta* (Weisse) 1847.**

LOCALITY: Christchurch; Russell 14:407.

***Filinia longiseta* (Ehrb.) 1834.**1834. *Triarthra longiseta* Ehrb.

LOCALITY: Auckland; Murray 9:576. North Otago; Morris 7:165, 8:217, Russell 13:115. Christchurch; Russell 13:115. Campbell Island; Russell 26:138. S.

***Filinia maior* (Colditz) 1924.**

LOCALITY: Rotorua, Canterbury; Russell 27:71. S.

***Filinia passa* (Muller) 1786.**1832. *Triarthra mystacina* Ehrb.

LOCALITY: North Otago; Morris 7:165, 8:217, Russell 13:115.

***Filinia terminalis* (Plate) 1886.**

LOCALITY: Canterbury; Russell 19:60. Chatham Islands; Russell 21:238. S.

Genus FLOSCULARIA Cuvier 1798

Floscularia conifera (Hudson) 1886.

LOCALITY: Christchurch; Russell 13:116.

Floscularia ringens (Linnaeus) 1758.1803. *Melicerta ringens* Schrank.

LOCALITY: Napier; Hamilton 2:301, Hilgendorf 5:268, Morris 8:218, Russell 13:116. Christchurch; Russell 13:116.

Genus GASTROPUS Imhof 1898

Gastropus hyptopus (Ehrb.) 1838.

LOCALITY: Brookside, Canterbury; Russell 15:353.

Gastropus minor (Rousselet) 1892.1892. *Notops minor* Rousselet.1898. *Postclausa minuta* Hilgendorf.1898. *Postclausa circularis* Hilgendorf.

LOCALITY: Taieri Beach; Hilgendorf 4: 125-126, 5:269, Morris 8:217, Russell 13:114.

Genus HABROTROCHA Bryce 1910

Habrotrocha angusticollis (Murray) 1905.1905. *Callidina angusticollis* Murray.

LOCALITY: Auckland, Rotorua, Wakatipu, West Coast; Murray 9:575, Russell 13:121, Mt. Rolleston; Brehm 1:790, Russell 13:121. Westland; Russell 18:250. Chatham Islands; Russell 21:238. Campbell Island; Russell 26:138.

Habrotrocha angusticollis var. **attenuata** (Murray) 1906.1906. *Callidina angusticollis attenuata* Murray.1913. *Habrotrocha angusticollis attenuata* Harring.

LOCALITY: Upper Stillwater Swamp; Russell 18:250. Chatham Islands; Russell 21:238.

Habrotrocha aspera (Bryce) 1892.

LOCALITY: Auckland, West Coast, Stewart Island; Murray 9:575, Russell 13:121.

Habrotrocha constricta (Dujardin) 1841.

LOCALITY: Wellington; Murray 9:575, Russell 13:121.

Habrotrocha elegans (Milne) 1886.1897. *Callidina venusta* Bryce.

LOCALITY: Lincoln; Hilgendorf 5:268, Morris 8:219, Russell 13:121.

Habrotrocha lata (Bryce) 1892.1892. *Callidina lata* Bryce.

LOCALITY: Mt. Cook, West Coast; Murray 9:575, Russell 13:121.

Habrotrocha leitgebii (Zelinka) 1886.1886. *Callidina leitgebii* Zelinka.

LOCALITY: Canterbury, Mt. Cook, Wakatipu; Murray 9:575, Russell 13:121.

Habrotrocha perforata (Murray) 1906.1906. *Callidina perforata* Murray.

LOCALITY: Auckland, West Coast; Murray 9:575, Russell 13:121. Mt. Rolleston; Brehm 1:790, Russell 13:121.

Habrotrocha pulchra (Murray) 1905.1905. *Callidina pulchra* Murray.

LOCALITY: West Coast; Murray 9:575, Russell 13:122.

Habrotrocha pusilla (Bryce) 1893.1893. *Callidina pusilla* Bryce.

LOCALITY: Auckland, West Coast; Murray 9:575, Russell 13:122.

Genus HEXARTHRA Schmarda 1854

Hexarthra fennica (Levander) 1892.1913. *Pedalia fennica* Harring.

LOCALITY: Lakes Wanaka, Hawea, Lyndon, Brunner; Russell 16:165. S.

Hexarthra intermedia (Wiszniewski) 1929.1929. *Pedalia intermedia* Wiszniewski.

LOCALITY: Mayor Island; Russell 27:71. S.

Hexarthra mira (Hudson) 1871.1913. *Pedalia mira* Harring.

LOCALITY: ? Lake Brunner, ? Lake Wanaka, Lake Alexandrina, Lake Grassmere; Russell 16:165. S.

Hexarthra propinqua (Bartos) 1948.1948. *Pedalia propinqua* Bartos.

LOCALITY: Lake Ngahewa; Russell 27:71. S.

Genus **KERATELLA** Bory de St. Vincent 1822**Keratella ahlmstromi** Russell 1951.

LOCALITY: Upper Stillwater Swamp; Russell 18:249. TS.

Keratella cochlearis (Gosse) 1851.1851. *Anuraea cochlearis* Gosse.

LOCALITY: Mt. Cook; Murray 9:576, Russell 13:108. Evansdale, Oamaru; Morris 7:167, 8:215, Russell 13:108. Mt. Rolleston; Brehm 1:790, Russell 13:108. Chatham Islands; Russell 21:238. S.

Keratella cochlearis var. **hispida** (Lauterborn) 1898.

LOCALITY: Rotorua; Russell 27:71. S.

Keratella crassa Ahlstrom 1943

LOCALITY: ? Lyttelton Harbour; Russell 20:74.

Keratella javana Hauer 1937.1950. *Keratella carinata* Russell.

LOCALITY: Westland; Russell 16:162. Chatham Islands; Russell 21:239. S.

Keratella quadrata (Muller) 1786.1832. *Anuraea aculeata* Ehrb.

LOCALITY: Oamaru; Morris 7:167, 8:215. Russell 13:108 (non Murray 9:576). Christchurch; Russell 13:108. Campbell Island; Russell 26: 138.

Keratella quadrata var. **edmondsi** Ahlstrom 1943.

LOCALITY: Lake Lyndon; Russell 16:162.

Keratella sancta Russell 1944.

LOCALITY: Canterbury; Russell 12:121, 14:406, 17:53. TS.

Keratella serrulata (Ehrb.) 1838.1838. *Anuraea serrulata* Ehrb.

LOCALITY: Mt. Rolleston; Brehm 1:108, Russell 13:108.

Keratella valga (Ehrb.) 1834.1834. *Anuraea valga* Ehrb.

LOCALITY: Mt. Cook, Canterbury; Murray 9:576, Russell 13:108. Christchurch; Russell 14:406. Upper Stillwater Swamp; Russell 18:249.

Keratella valga var. **procurva** (Thorpe) 1891.

LOCALITY: Canterbury; Russell 15:353. S.

Genus **LECANE** Nitzsch 1827**Lecane arcuata** Harring 1914.

LOCALITY: Lake Katrine; Russell 19:60. S.

Lecane arcuata (Bryce) 1891.1891. *Monostyla arcuata* Bryce.

LOCALITY: Canterbury; Russell 22:462. S.

Lecane bulla (Gosse) 1851.1851. *Monostyla bulla* Gosse.

LOCALITY: Oamaru; Mt. Cook; Murray 10:455. Oamaru; Morris 8:215, Russell 13:110. Chatham Islands; Russell 21:242, 23:53. S.

Lecane closterocerca (Schmarda) 1859.1859. *Monostyla closterocerca* Schmarda.

LOCALITY: Christchurch; Russell 14:407; Campbell Island; Russell 26:139. S.

Lecane cornuta (Muller) 1786.1830. *Monostyla cornuta* Ehrb.

LOCALITY: Lincoln; Hilgendorf 5:271, Russell 13:110. Christchurch; Russell 13:110.

Lecane crenata (Harring) 1913.1913. *Monostyla crenata* Harring.LOCALITY: Mt. Rolleston; Brehm 1:790, Russell 13:110, Canterbury; Russell 13:110. Chatham Islands; Russell 21:239. (Non *Keratella crenata*) 23:53. S.

- Lecane eylesi** Russell 1953.
LOCALITY: Chatham Islands; Russell 21:239. TS.
- Lecane flexilis** (Gosse) 1886.
1886. *Distyla flexilis* Gosse.
LOCALITY: Mt. Cook; Murray 9:576, Russell 13:109. Christchurch; Lake Taylor; Russell 13:109.
- Lecane furcata** (Murray) 1913.
1913. *Monostyla furcata* Murray.
LOCALITY: West Canterbury; Russell 20:75.
- Lecane galeata** (Bryce) 1892.
1897. *Monostyla galeata* Bryce.
1892. *Monostyla pygmaea* Daday.
LOCALITY: Lake Katrine; Russell 19:60.
- Lecane gissensis** (Gosse) 1886.
1886. *Distyla gissensis* Gosse. (Non *D. gissensis* Eckstein 1883).
LOCALITY: Chatham Islands; Russell 21:240. S.
- Lecane glypta form nuda** Russell 1956.
LOCALITY: Westland; Russell 24:57. TS.
- Lecane hamata** (Stokes) 1896.
1896. *Monostyla hamata* Stokes.
LOCALITY: Chatham Islands; Russell 21:242. Canterbury; Russell 22:462. S.
- Lecane hornemanni** (Ehrb.) 1834.
LOCALITY: West Canterbury; Russell 20:75. Chatham Islands; Russell 21:240. S.
- Lecane inopinta** Harring and Myers 1926.
LOCALITY: Dunedin; Russell 25:939.
- Lecane lauterborni** Hauer 1924.
LOCALITY: Chatham Islands; Russell 21:241. S.
- Lecane leontina** (Turner) 1892.
LOCALITY: Lake Tekapo; Russell 16:164.
- Lecane ludwigii** (Eckstein) 1883.
LOCALITY: Christchurch; Russell 14:407.
- Lecane luna** (Muller) 1776.
LOCALITY: Oamaru; Morris 8:215, Russell 13:110. S.
- Lecane luna var. presumpta** Ahlstrom 1938.
LOCALITY: Lake McGregor; Russell 19:61.
- Lecane lunaris** (Ehrb.) 1832.
1838. *Monostyla lunaris* Ehrb.
LOCALITY: Canterbury, Otago; Murray 9:576. Waiholo Lake; Hilgendorf 5:271, Morris 8:215, Russell 13:110. Christchurch; Russell 13:110. Chatham Islands; Russell 21:242. Westland; Russell 18:249. S.
- Lecane opias** (Harring and Myers) 1926.
1926. *Monostyla opias*. Harring and Myers.
LOCALITY: Takahe Valley; Russell 24:58.
- Lecane perplexa** (Ahlstrom) 1938.
1938. *Monostyla perplexa* Ahlstrom.
LOCALITY: Lake Katrine; Russell 20:75.
- Lecane ploenensis** Voigt 1902.
LOCALITY: Lake Wanaka; Russell 16:164. S.
- Lecane pomiformis** (Edmondson) 1938.
1938. *Monostyla pomiformis* Edmondson.
LOCALITY: Westland; Russell 18:249.
- Lecane pyriformis** (Daday) 1905.
1905. *Monostyla pyriformis* Daday.
LOCALITY: Buller; Russell 27:72. S.
- Lecane rhacois** Harring and Myers 1926.
LOCALITY: Chatham Islands; Russell 23:52.
- Lecane rugosa** (Harring) 1914.
1914. *Monostyla rugosa* Harring.
LOCALITY: Notornis Valley; Russell 22:462.

Lecane similis Russell 1959.

LOCALITY: Chatham Islands; Russell 27:72. TS.

Lecane styrax (Harring and Myers) 1926.1926. *Monostyla styrax* Harring and Myers.? 1957. *Lecane bulla* var. *styrax* Voigt.

LOCALITY: Kumara; Russell 16:164. Chatham Islands; Russell 21:242. Westland; Russell 24:58. Wellington; Russell 27:72. S.

Lecane tenuiseta Harring 1914.

LOCALITY: Chatham Islands; Russell 23:52. Westland; Russell 24:57.

Lecane tethis (Harring and Myers) 1926.1926. *Monostyla tethis* Harring and Myers.

LOCALITY: West Canterbury; Russell 20:75.

Lecane tudicola Harring and Myers 1926.

LOCALITY: Chatham Islands; Russell 21:241. S.

Lecane verecunda Harring and Myers 1926.

LOCALITY: Wellington; Russell 25:940. S.

Genus **LEPADELLA** Bory de St. Vincent 1826**Lepadella acuminata** (Ehrb.) 1834.1834. *Metopidia acuminata* Ehrb.

LOCALITY: Taieri Beach; Hilgendorf 4:129, 5:271, Morris 8:215, Russell 13:110. Canterbury; Russell 22:462. Campbell Island; Russell 26:138. S.

Lepadella dactyliseta (Stenroos) 1898.

LOCALITY: Chatham Islands; Russell 21:241.

Lepadella lautusinus (Hilgendorf) 1898.1898. *Metopidia lautusinus* Hilgendorf.

LOCALITY: Taieri Beach; Hilgendorf 4:131, 5:271, Russell 13:110, Mt. Cook; Murray 9:576, Russell 13:110.

Lepadella latusinus var. *Americana* Myers 1934.

LOCALITY: Lake Ellesmere; Russell 19:61.

Lepadella oblonga (Ehrb.) 1834.

LOCALITY: Christchurch; Russell 13:110.

Lepadella ovalis (Muller) 1786.1830. *Lepadella ovalis* Ehrb.1851. *Metopidia solidus* Gosse.

LOCALITY: Taieri Beach; Hilgendorf 4:130, 5:271, Morris 8:215, Russell 13:111. Canterbury; Murray 9:576, Russell 13:111. Christchurch; Russell 13:111. Chatham Islands; Russell 21:242, 23:52.

Lepadella patella (Muller) 1786.

LOCALITY: Chatham Islands; Russell 21:242. North Canterbury; Russell 22:462. S.

Lepadella quadricarinata (Stenroos) 1898.

LOCALITY: Lake Ellesmere; Russell 27:72. S.

Lepadella rhomboides (Gosse) 1886.

LOCALITY: Oamaru; Morris 8:216, Russell 13:111.

Lepadella triptera (Ehrb.) 1832.1832. *Metopidia triptera* Ehrb.LOCALITY: Lincoln; Hilgendorf 5:271, Morris 8:216, Russell 13:111. ? Mt. Cook; Murray 9:576. (*M. triptera* Gosse). Russell 13:111. Campbell Island; Russell 26:138.**Lepadella vitrea** (Shephard) 1911.

LOCALITY: Notornis Valley; Russell 22:462.

Lepadella whitfordi Ahlstrom 1938.

LOCALITY: Lake McGregor; Russell 19:61.

Genus **LIMNIAS** Schrank 1803**Limnias ceratophylli** Schrank 1803.

LOCALITY: North Otago; Morris 7:164, 8:218, Russell 13:116.

Genus **LINDIA** Dujardin 1841**Lindia euchromatica** Edmondson 1938.

LOCALITY: Wellington; Russell 25:940. S.

Lindia pallida Harring and Myers 1922.

LOCALITY: Christchurch; Russell 16:162. S.

Lindia torulosa Dujardin 1841.1913. *Notommata torulosa* Harring.

LOCALITY: Mt. Cook; Murray 9:576, Russell 13:105. Wellington; Russell 25:940.

Lindia truncata (Jennings) 1894.

LOCALITY: Bealey; Russell 20:75.

Genus **LOPHOCHARIS** Ehrenberg 1838**Lophocharis salpina** (Ehrb.) 1834.1834. *Lepadella salpina* Ehrb.

LOCALITY: Otago; Morris 8:216, Russell 13:111. ? Christchurch; Russell 13:111.

Genus **MACROCHAETUS** Perty 1850**Macrochaetus collinsii** (Gosse) 1867.1892. *Polychaetus collinsii* Ternetz. (Non Gosse).

LOCALITY: Mt. Cook; Murray 10:455, Russell 13:112.

Genus **MACROTRACHELA** Milne 1886**Macrotrachela ehrenbergii** (Janson) 1893.1893. *Callidina ehrenbergii* Janson.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:119.

Macrotrachela habita (Bryce) 1894.1894. *Callidina habita* Bryce.

LOCALITY: Mt. Cook, West Coast; Murray 9:575, Russell 13:120.

Macrotrachela microcornis (Murray) 1911.1911. *Callidina microcornis* Murray.

LOCALITY: West Coast; Murray 9:575, Russell 13:120.

Macrotrachela multispinosa Thompson 1892.1893. *Callidina multispinosa* Janson.

LOCALITY: West Coast, Stewart Island; Murray 9:575, Russell 13:120.

Macrotrachela musculosa Milne 1886.1893. *Callidina musculosa* Janson.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:120.

Macrotrachela papillosa Thompson 1892.1893. *Callidina papillosa* Janson.

LOCALITY: Auckland, Mt. Cook, Wakatipu, West Coast, Stewart Island; Murray 9:575, Russell 13:120.

Macrotrachela plicata (Bryce) 1892.1892. *Callidina plicata* Bryce.

LOCALITY: Auckland, Canterbury, Mt. Cook; Murray 9:575, Russell 13:120.

Macrotrachela quadricornifera Milne 1886.1889. *Callidina quadricornifera* Hudson and Gosse.

LOCALITY: West Coast; Murray 9:575, Russell 13:120.

Genus **MICROCODON** Ehrenberg 1830**Microcodon clavus** Ehrb. 1830.

LOCALITY: Lake Sumner District; Russell 20:75.

Genus **MNIOBIA** Bryce 1910**Mniobia magna** (Plate) 1889.1889. *Callidina magna* Plate.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:121.

Mniobia scabrosa Murray 1911.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:121.

Mniobia symbiotica (Zelinka) 1886.

LOCALITY: Mt. Cook, West Coast; Murray 9:575, Russell 13:121.

Genus *MONOMMATA* Bartsch 1870**Monommata astia** Myers 1930.

LOCALITY: Takahe Valley; Russell 24:58.

? **Monommata caeca** Myers 1930.

LOCALITY: Wellington; Russell 25:940. S.

Monommata longiseta (Muller) 1786.

LOCALITY: Westland; Russell 18:246.

Monommata maculata Harring and Myers 1924.

LOCALITY: Westland; Russell 24:58. S.

Genus *MYTILINA* Bory de St. Vincent 1826**Mytilina trigona** (Gosse) 1851.

LOCALITY: Lake McGregor; Russell 19:61. Chatham Islands; Russell 21:243.

Genus *NOTHOLCA* Gosse 1886**Notholca striata** (Muller) 1786.1887. *Notholca jugosa* Gosse.? 1902. *Notholca regularis* Hilgendorf.

LOCALITY: Akatore Creek; Hilgendorf 4:132, 5:271, Morris 8:215, Russell 13:108.

? Christchurch; Russell 13:108. Campbell Island; Russell 26:139.

Genus *NOTOMMATA* Ehrenberg 1830**Notommata aurita** (Muller) 1786.

LOCALITY: Canterbury, Mt. Cook; Murray 9:576, Russell 13:104. Oamaru; Morris 8:213. Christchurch; Russell 13:104.

Notommata saccigera Ehrb. 1832.

LOCALITY: Weston; Morris 8:213, Russell 13:104.

Notommata tripus Ehrb. 1838.

LOCALITY: Lincoln; Hilgendorf 5:269, Morris 8:213, Russell 13:105.

Genus *PARADICRANOPHORUS* Wiszniewski 1929**Paradicranophorus hudsoni** (Glascott) 1893.

LOCALITY: Chatham Islands; Russell 21:243. S.

Genus *PHILODINA* Ehrenberg 1830**Philodina brevipes** Murray 1902.

LOCALITY: Wakatipu; Murray 9:575, Russell 13:118.

Philodina citrina Ehrb. 1832.

LOCALITY: Auckland, Mt. Cook; Murray 9:575, Russell 13:118.

Philodina erythrophthalma Ehrb. 1830.

LOCALITY: Lincoln; Hilgendorf 5:268, Morris 8:218, Russell 13:118.

Philodina flaviceps Bryce 1906.

LOCALITY: Auckland, Canterbury, Mt. Cook, Wakatipu; Murray 9:575, Russell 13:118.

Philodina megalotrocha Ehrb. 1832.

LOCALITY: Not stated; Schmarda 28:51. Auckland; Hildendorf 5:268, Russell 13:118, Morris 8:218.

Philodina nemoralis Bryce 1903.

LOCALITY: Wakatipu; Murray 9:575, Russell 13:119.

Philodina roseola Ehrb. 1832.

LOCALITY: Lincoln; Hilgendorf 5:268, Morris 8:218, Russell 13:119. Christchurch; Russell 13:119. Campbell Island; Russell 26:139.

Philodina rugosa Bryce 1903.

LOCALITY: West Coast; Murray 9:575, Russell 13:119.

Philodina vorax (Janson) 1893.

LOCALITY: Wakatipu, West Coast; Murray 9:575, Russell 13:119.

Genus *PHILODINAVUS* Harring 1913**Philodinavus paradoxus** (Murray) 1905.1905. *Microdina paradoxa* Murray.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:118.

Genus PLEUTRA Bryce 1910

Pleutra alpium (Ehrb.) 1853.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:120.

Pleutra brycei (Weber) 1898.

LOCALITY: Auckland; Murray 9:575, Russell 13:120.

Pleutra humerosa (Murray) 1905.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:121.

Genus POLYARTHRA Ehrenberg 1834

Polyarthra minor Voigt 1904.

LOCALITY: Westland; Russell 24:58.

Polyarthra remata Skorikov 1896.

LOCALITY: Westland; Russell 24:58.

Polyarthra vulgaris Carlin 1943.1834. *Polyarthra trigla* Ehrb.1838. *Polyarthra platyptera* Ehrb.

LOCALITY: Auckland, Mt. Cook; Murray 9:576. Oamaru; Morris 7:165, 8:217, Russell 13:114. Christchurch; Russell 13:114. Lake Taylor; Russell 22:463. Campbell Island; Russell 26:139. S.

Genus POMPHOLYX Gosse 1851

Pompholyx complanta Gosse 1851.

LOCALITY: Lake Pearson; Russell 19:61.

Pompholyx sulcata Hudson 1885.

LOCALITY: Lake Alice; Russell 19:61.

Genus PROALES Gosse 1832

Proales decipiens (Ehrb.) 1832.

LOCALITY: Canterbury; Hilgendorf 5:269, Russell 13:105, Morris 8:213.

Proales doliaris (Rousselet) 1895.

LOCALITY: Wellington; Russell 22:463.

Proales gigantea (Glascott) 1893.

LOCALITY: Christchurch; Russell 15:353.

Proales longidactyla Edmondson 1948.

LOCALITY: Lake Katrine; Russell 19:61.

? **Proales parisita** (Ehrb.) 1838.

LOCALITY: Christchurch; Russell 16:162.

Proales sordida Gosse 1886.

LOCALITY: Wellington; Russell 25:940.

Genus PTYGURA Ehrenberg 1832

Ptygura crystallina (Ehrb.) 1834.

LOCALITY: Christchurch; Russell 13:116.

Ptygura melicerta (Ehrb.) 1832.

LOCALITY: Christchurch; Russell 13:117.

Ptygura longicornis var. **socialis** (Weber) 1888.1888. *Oecistes socialis* Weber.

LOCALITY: Ardgowan; Morris 7:164, 8:218, Russell 13:117.

Ptygura velata (Gosse) 1851.1886. *Oecistes velatus* Hudson and Gosse.

LOCALITY: Mt. Cook; Murray 9:576, Russell 13:117. Christchurch; Russell 13:117.

Genus RHINOGLAENA Ehrenberg 1853

Rhinoglena frontalis Ehrb. 1853.1869. *Rhinops vitrea* Hudson.

LOCALITY: Weston; Morris 7:165, 8:214, Russell 13:106.

Genus ROTARIA Scopoli 1777

Rotaria curtipes (Murray) 1911.1911. *Rotifer curtipes* Murray.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:119.

Rotaria macrura (Ehrb.) 1832.1832. *Rotifer macrurus* Ehrb.

LOCALITY: Taieri Beach; Hilgendorf 4:111, 5:268, Morris 8:219, Russell 13:119.

Rotaria montana (Murray) 1911.1911. *Rotifer montanus* Murray.

LOCALITY: Mt. Cook; Murray 9:575, Russell 13:119.

Rotaria rotatoria (Western) 1893.1801. *Rotifer vulgaris* Schrank.

LOCALITY: Lincoln; Hilgendorf 5:268, Morris 8:219, Russell 13:119. Mt. Cook; Murray 9:575, Russell 13:119.

Rotaria sordida (Western) 1893.1910. *Rotifer longirostris* Bryce.

LOCALITY: Auckland, Rotorua, Canterbury, Mt. Cook, West Coast, Stewart Island; Murray 9:575; Russell 13:119.

? **Rotaria tardigrada** (Ehrb.) 1832.

LOCALITY: Christchurch; Russell 13:119.

Genus RUSSELETTIA Sudzuki 1959

Russetletia parrotti (Russell) 1947.1947. *Lindia parrotti* Russell.

LOCALITY: Christchurch; Russell 14:403. TS.

Genus SCARDIUM Ehrenberg 1830

Scardium longicaudum (Muller) 1786.

LOCALITY: Mt. Cook; Murray 10:455, Morris 8:219, Russell 13:112.

Genus SCEPANOTROCHA Bryce 1910

Scepanotrocha rubra Bryce 1910.

LOCALITY: Mt. Cook, Canterbury; Murray 9:575, Russell 13:122, 19:61.

Genus SQUATINELLA Bory de St. Vincent 1826

Squatinnella rostrum (Schmarda) 1846.1913. *Squatinnella lamellaris* Harring.

LOCALITY: Christchurch; Russell 13:111.

Squatinnella tridentata var. *mutica* (Ehrb.) 1832.1913. *Squatinnella mutica* Harring.

LOCALITY: Auckland; Russell 19:62. South Canterbury; Russell 20:76. S.

Genus SYNCHAETA Ehrenberg 1832

Synchaeta baltica Ehrb. 1834.

LOCALITY: Lyttelton Harbour; Russell 20:76.

? **Synchaeta cecilia** Rousselet 1902.

LOCALITY: Lyttelton Harbour; Russell 20:77.

? **Synchaeta fennica** Rousselet 1909.

LOCALITY: Lyttelton Harbour; Russell 20:77.

Synchaeta monopus Plate 1889.

LOCALITY: Menzies Bay; Russell 20:77.

Synchaeta oblonga Ehrb. 1832.

LOCALITY: Mt. Cook; Murray 9:576; Russell 13:114. Christchurch; Russell 13:114.

Synchaeta pectinata Ehrb. 1832.

LOCALITY: North Otago; Morris 7:165, 8:217, Russell 13:114.

Synchaeta tremula (Muller) 1786.

LOCALITY: Oamaru; Morris 8:217, Russell 13:114. Christchurch; Russell 13:114.

Synchaeta triophthalma Lauterborn 1894.

LOCALITY: Oamaru Harbour; Morris 8:217, Russell 13:114.

Genus TAPHROCAMPA Gosse 1851

- Taphrocampa annulosa* Gosse 1851.
LOCALITY: West Canterbury; Russell 20:77.
- Taphrocampa selenura* Gosse 1887.
LOCALITY: Canterbury; Russell 15:352.

Genus TESTUDINELLA Bory de St Vincent 1826

- Testudinella incisa* (Ternetz) 1892.
LOCALITY: Notornis Valley; Russell 22:463.
- Testudinella mucronata* (Gosse) 1886.
LOCALITY: Chatham Islands; Russell 21:243. S.
- Testudinella patina* (Hermann) 1783.
1830. *Pterodina patina* Ehrb.
LOCALITY: Waiholā; Hilgendorf 5:271, Morris 8:217, Russell 13:115. Canterbury, Russell 13:115. S.
- Testudinella reflexa* (Gosse) 1887.
1887. *Pterodina reflexa* Gosse.
LOCALITY: Mt. Cook; Murray 9:576, Russell 13:116.
- Testudinella striata* (Murray) 1913.
1913. *Pterodina striata* Murray.
LOCALITY: Muller Glacier; Murray 10:455, Russell 13:116, Morris 8:219.

Genus TRICHOCERCA Lamarck 1801

- Trichocerca bidens* (Lucks) 1912.
LOCALITY: Westland; Russell 18:247. Campbell Island; Russell 26:139. S.
- Trichocerca brachyura* (Gosse) 1851.
1913. *Diurella brachyura* Harring.
1886. *Coelopus brachyurus* Hudson and Gosse.
LOCALITY: Lincoln; Hilgendorf 5:270, Morris 8:216, Russell 13:113. Christchurch; Russell 15:354. Chatham Islands; Russell 21:243. S.
- Trichocerca cavia* (Gosse) 1886.
LOCALITY: Wellington; Russell 25:940. S.
- Trichocerca collaris* (Rousselet) 1896.
LOCALITY: Takahē Valley; Russell 24:59. S.
- Trichocerca cristata* Harring 1913.
LOCALITY: Lake Ellesmere; Russell 13:112.
- Trichocerca elongata* (Gosse) 1886.
LOCALITY: South Canterbury; Russell 27:73.
- Trichocerca helminthodes* (Gosse) 1886.
LOCALITY: Campbell Island; Russell 26:139.
- Trichocerca iernis* (Gosse) 1887.
LOCALITY: West Coast; Russell 27:73. S.
- Trichocerca insignis* (Herrick) 1885.
1885. *Diurella insignis* Herrick.
LOCALITY: Mt. Cook; Murray 10:455, Russell 13:113. S.
- Trichocerca intermedia* (Stenroos) 1898.
LOCALITY: Westland; Russell 18:247.
- Trichocerca lata* (Jennings) 1894.
LOCALITY: Westland; Russell 18:247.
- Trichocerca longiseta* (Schrank) 1802.
1903. *Rattulus longiseta* Jennings.
LOCALITY: Mt. Cook; Murray 9:576, Morris 7:166, 8:216, Russell 13:112. Westland; Russell 16:165. Chatham Islands; Russell 21:243. S.
- Trichocerca lophoessa* (Gosse) 1886.
1886. *Mastigocerca lophoessa* Gosse.
? 1898. *Mastigocerca rectocaudatus* Hilgendorf.
LOCALITY: Taieri Beach; Hilgendorf 4:120, 5:269, Morris 8:216, Russell 13:112.
- Trichocerca marina* (Daday) 1890.
LOCALITY: Menzies Bay; Russell 20:77.

- Trichocerca myersi** (Hauer) 1931.
LOCALITY: Westland; Russell 18:247.
- Trichocerca orca** (Murray) 1913.
? 1913. *Rattulus orca* Murray.
LOCALITY: Muller Glacier; Murray 10:455, Russell 13:112, Morris 8:219.
- Trichocerca plaka** Myers 1938.
LOCALITY: Lake McGregor; Russell 16:165.
- Trichocerca porcellus** (Gosse) 1851.
1903. *Diurella porcellus* Jennings.
LOCALITY: Mt. Cook, Canterbury; Murray 9:576, Russell 13:113. Westland; Russell 18:247. S.
- Trichocerca rattus** (Muller) 1776.
1903. *Rattulus rattus* Jennings.
LOCALITY: Pukerau; Morris 7:166, 8:216, Russell 13:113. Christchurch; Russell 13:113.
- Trichocerca rosea** (Stenroos) 1898.
LOCALITY: Westland; Russell 18:248
- Trichocerca scipio** (Gosse) 1886.
1903. *Rattulus scipio* Jennings.
LOCALITY: Mt. Cook; Murray 10:455, Morris 8:219, Russell 13:113. Campbell Island; Russell 26:139. S.
- Trichocerca similis** (Wierzejski) 1893.
1878. *Diurella stylata* Eyerth.
LOCALITY: Lake Alexandrina; Russell 16:165.
- Trichocerca stylata** (Gosse) 1851.
1851. *Monocera stylata* Gosse.
LOCALITY: Lake Alexandrina; Russell 16:165.
- Trichocerca sulcata** (Jennings) 1894.
LOCALITY: Chatham Islands; Russell 23:53.
- Trichocerca tenuior** (Gosse) 1886.
1886. *Coelopus tenuior* Gosse.
1903. *Diurella tenuior* Jennings.
1898. *Mastigocerca flectocaudatus* Hilgendorf.
LOCALITY: Lincoln; Hilgendorf 4:119, 5:270. Christchurch; Russell 13:113. Takah Valley; Russell 24:59, Morris 8:216. S.
- Trichocerca tigris** (Muller) 1786.
1824. *Diurella tigris* Bory de St. Vincent.
1886. *Rattulus tigris* Hudson and Gosse.
LOCALITY: Lincoln; Hilgendorf 5:269, Morris 8:216, Russell 13:113.
- ? **Trichocerca tigris** form *monostyla* Russell 1951.
LOCALITY: Westland; Russell 18:247. TS.
- Trichocerca tortuosa** (Myers) 1936.
LOCALITY: Westland; Russell 24:59.
- Trichocerca weberi** (Jennings) 1903.
? 1902. *Rattulus weberi* Hilgendorf.
LOCALITY: Lincoln; Hilgendorf 5:269, Morris 8:216, Russell 13:113.
- Genus TRICHOTRIA Bory de St. Vincent 1827
- Trichotria tetractis** (Ehrb.) 1830.
1830. *Dinocharis tetractis* Ehrb.
? 1898. *Dinocharis inornata* Hilgendorf.
LOCALITY: Taieri Beach; Hilgendorf 4:121, 5:270. Rotorua. Mt. Cook; Murray 9:576, Morris 8:216, Russell 13:112. Chatham Islands; Russell 21:243, 23:53. S.
- Trichotria truncata** (Whitelegge) 1889.
LOCALITY: Lake McGregor; Russell 19:62. Chatham Islands; Russell 21:243. S.

PART III

When all the records of the New Zealand Rotatoria had been checked it was found that some of the specific names employed by authors could not be correlated with any known animal. Most of the names were found to be nomina dubia, and

others were the result of incorrect identifications or of typographical errors. These names have been omitted from the Index but are contained in the list which follows, together with references to the papers in which they appear; and either a reference to the authority for their rejection, or the reason for their exclusion.

Brachionus capsuliflorus Pallas 1766.

REFERENCES: Morris 8:214, Russell 13:107, Harring 3:19.

Brachionus rubens Gosse 1886.

REFERENCES: Russell 13:107; Harring 3:20.

Callidina bihamata Hudson and Gosse 1886.

REFERENCES: Hilgendorf 5:268, Morris 8:219, Russell 13:120, Harring 3:24.

Callidina quadridens Hilgendorf 1898.

REFERENCES: Hilgendorf 4:113, 5:268, Morris 8:219, Russell 13:120, Harring 3:24, Voigt 30:122.

Callidina tetraodon Ehrenberg 1848.

REFERENCES: Murray 9:575, Russell 13:120, Harring 3:24.

Keratella crenata Harring 1913.

REFERENCES: Russell 21:239. (Typographical error; generic name transposed. Animal is *Lecane crenata* Harring 1913.)

Lecane palinacis Harring and Myers 1926.

REFERENCES: Russell 21:241, 27:72. (Incorrect identification.)

Lecane hudsoni (Lord) 1890.

1890. *Cathypna hudsoni* Lord.

REFERENCES: Hilgendorf 5:270, Morris 8:215, Russell 13:110, Harring 3:62.

Notommata caudata Collins 1872.

1886. *Copeus caudatus* Hudson and Gosse.

REFERENCES: Murray 10:455, Morris 8:219, Russell 13:104, Voigt 30:301.

Notommata pentophthalma Hilgendorf 1898.

REFERENCES: Hilgendorf 4:116, 5:269, Morris 8:213, Russell 13:105, Harring 3:80.

Pedalia sp.

REFERENCES: Murray 9:576, Russell 13:116. (Specimens lost.)

Philodina cloacata Hilgendorf 1902.

REFERENCES: Hilgendorf 5:268, Morris 8:218, Russell 13:118, Harring 3:83.

Philodina microps Gosse 1887.

REFERENCES: Hilgendorf 5:268, Morris 8:218, Russell 13:119, Harring 3:83.

Planoverter varicolor Hilgendorf 1898.

REFERENCES: Hilgendorf 4:118, 5:269, Morris 8:213, Russell 13:105, Harring 3:83.

Trichocerca cimolius (Gosse) 1886.

1886. *Rattulus cimolius* Gosse.

REFERENCES: Hilgendorf 5:269, Morris 8:216, Russell 13:112, Harring 3:105.

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