

A CHECKLIST OF PLEISTOCENE AND RECENT FRESHWATER
OSTRACODS IN CANADA

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From La Rocque's short note on non-marine ostracods, in *STERKIANA*, 1963, No. 12, p. 7, it appears that a comprehensive checklist of freshwater ostracods of Pleistocene and Recent age would be helpful to malacologists.

The present checklist is restricted to freshwater ostracods found in Canada only. Several lists of United States ostracods have been prepared, the most up-to-date to be found in Tressler (1959). Ostracods of the Great Lakes are included.

The data for the checklist were compiled from literature known to the author, and also from information obtained by a canvass of twenty-two geology and zoology departments in Canadian universities. The help of Dr. R. Green,

Research Council of Alberta, who submitted a list of Alberta species, is acknowledged.

The name, author, and date of each species, together with the author, date, and page reference of each subsequent record of the species, are given. Abbreviations used for unpublished records are as follows: Alta. - specimen identified from Alberta by Dr. Green; Man. - Manitoba (University of Manitoba thesis by I. G. Arnason); GMUS - specimen, identified by the author, from Saskatchewan deposited in the Geological Museum, University of Saskatchewan; GMUS (Man.) - specimen from Manitoba, identified by the author, deposited in the Geological Museum, University of Saskatchewan.

SUBFAMILY CYPRIDINAE

CYPRIS PUBERA Mueller, 1776. Sars, 1926, p. 4; Alta.; GMUS.

CYPRICERCUS AFFINIS (Fischer), 1851. Sars, 1926, p. 6.

CYPRICERCUS FUSCATUS (Jurine), 1820. Klugh, 1927, p. 55.

CYPRICERCUS HORRIDUS Sars, 1926. Sars, 1926, p. 6; GMUS.

CYPRICERCUS RETICULATUS (Zaddach), 1844. Klugh, 1921, p. 73; Klugh, 1923, p. 337.

CYPRICERCUS TUBERCULATUS (Sharpe), 1909. Bigelow, 1923, p. 60; GMUS

CYPRICONCHA BARBATA (Forbes), 1893. Sars, 1926, p. 5; Tressler, 1957, p. 421.

- CYPRICONCHA MACRA Blake, 1931. Alta.; GMUS
- CYPRINOTUS GLAUCUS Furtos, 1933. Furtos, 1933, p. 445; Staplin, 1963a, p. 792; GMUS
- CYPRINOTUS INCONGRUENS (Ramdohr), 1808. Sars, 1926, p. 7; Klugh, 1927, p. 24; Furtos, 1933, p. 448; Alta.; Man.; GMUS
- CYPRINOTUS SALINUS (Brady), 1868. GMUS
- EUCYPRIS CRASSA (Mueller), 1785. GMUS
- EUCYPRIS VIRENS (Jurine), 1820. Man.
- STENOCYPRIA LONGICOMOSA Furtos, 1933. Furtos, 1933, p. 442.
- CYPRIDOPSIS ACULEATA (Liljeborg), 1853. Sars, 1926, p. 8; GMUS
- CYPRIDOPSIS CANADENSIS Ferguson, 1959. Ferguson, 1959, p. 64.
- CYPRIDOPSIS DENTATOMARGINATA (Daday), 1902. Kupsch, 1960, p. 291.
- CYPRIDOPSIS HARTWIGI (?) Mueller, 1900. Kupsch, 1960, p. 291.
- CYPRIDOPSIS HELVITICA Kaufmann, 1893. Sars, 1926, p. 8.
- CYPRIDOPSIS VIDUA (Mueller), 1776. Klugh, 1921, p. 73; Klugh, 1923, p. 337; Reed et al., 1924, p. 273; Klugh, 1927, p. 20-24; Karrow et al., 1961, p. 662; Staplin, 1963b, p. 1184; Benson & MacDonald, 1963, p. 21; Alta.; Man.; GMUS.
- POTAMOCYPRIS COMOSA Furtos, 1933. Furtos, 1933, p. 435.
- POTAMOCYPRIS SMARAGDINA (Vavra), 1891. Reed et al., 1924, p. 274; Klugh, 1927, p. 25; Furtos, 1933, p. 436; Staplin, 1963b, p. 1185; Man.; GMUS.
- POTAMOCYPRIS VARIEGATA (Brady & Norman), 1889. Staplin, 1963b, p. 1186.

SUBFAMILY HERPETOCYPRIDINAE

- HERPETOCYPRIS TESTUDINARIA Cushman, 1908. Cushman, 1908, p. 706.
- ILYODROMUS PECTINATUS Sharpe, 1909. Bigelow, 1923, p. 60.
- PRIONOCYPRIS CANADENSIS Sars, 1926. Sars, 1926, p. 7; Alta.

FAMILY CYCLOCYPRIDIDAE

- CYCLOCYPRIS CASTANEA Klugh, 1923 [non Brady, 1913]. Klugh, 1923, p. 337; Klugh, 1927, p. 55.
- CYCLOCYPRIS FORBESI Sharpe, 1897. Klugh, 1927, p. 20; Kupsch, 1960, p. 291; Karrow et al., 1961, p. 662; Alta.; GMUS.
- CYCLOCYPRIS GLOBOSA (Sars), 1863. Sars, 1926, p. 8.
- CYCLOCYPRIS LAEVIS (Mueller), 1776. Klugh, 1921, p. 73; Alta.
- CYCLOCYPRIS LUTEA Klugh, 1923. Klugh, 1923, p. 340; Klugh, 1927, p. 60.
- CYCLOCYPRIS OVUM (Jurine), 1820. Staplin, 1963b, p. 1181. Man.
- CYCLOCYPRIS SERENA (Koch), 1838. Sars, 1915, p. 222.
- CYCLOCYPRIS SHARPEI Furtos, 1933. Staplin, 1963b, p. 1182.
- CYPRIA EXSCULPTA (Fischer), 1855. Alm, 1914, p. 7; Klugh, 1927, p. 22.
- CYPRIA LACUSTRIS Sars, 1890. Sars, 1926, p. 8.
- CYPRIA OBESA Sharpe, 1897. GMUS.
- CYPRIA TURNERI Hoff, 1942. Staplin, 1963b, p. 1175.
- PHYSOCYPRIA INFLATA Furtos, 1933. Furtos, 1933, p. 471.
- PHYSOCYPRIA PUSTULOSA (Sharpe), 1897. Furtos, 1933, p. 470; Benson & MacDonald, 1963, p. 20.

FAMILY CANDONIDAE

- CANDONA ACUTA Hoff, 1942. GMUS (Man.).
- CANDONA ALBICANS Brady, 1864 [= C. parallela auct.]. Klugh, 1923, p. 337; Staplin, 1963a, p. 763; Alta.; GMUS.
- CANDONA BRETZI Staplin, 1963. Staplin, 1963a, p. 765.
- CANDONA CANDIDA (Mueller), 1776. Man.; Alta.; GMUS.
- CANDONA CAUDATA Kaufmann, 1900. Benson & MacDonald, 1963, p. 13; Alta.; GMUS.

- CANDONA CROGMANIANA Turner, 1894.
Tressler, 1957, p. 420; Kupsch, 1960, p. 291; Benson & MacDonald, 1963, p. 14; Staplin, 1963a, p. 769; Alta.; GMUS.
- CANDONA DECORA Furtos, 1933. Tressler, 1957, p. 418; Alta.; GMUS.
- CANDONA DISTINCTA Furtos, 1933. Kupsch, 1960, p. 291; Alta.; GMUS.
- CANDONA ELLIPTICA Furtos, 1933. Furtos, 1933, p. 482.
- CANDONA ERIENSIS Furtos, 1933. Furtos, 1933, p. 484.
- CANDONA FABA Benson & MacDonald, 1963. Benson & MacDonald, 1963, p. 15.
- CANDONA INDIGENA Hoff, 1942. Alta.
- CANDONA LACTEA Baird, 1850. Karrow et al., 1961, p. 662; Staplin, 1963a, p. 776.
- CANDONA NOVACAUDATA Benson & MacDonald, 1963. Benson & MacDonald, 1963, p. 16.
- CANDONA OHIOENSIS Furtos, 1933. Alta.; GMUS.
- CANDONA PARVULA Sars, 1926. Sars, 1926, p. 9.
- CANDONA RAWSONI Tressler, 1957 [= *C. nyensis* auct., *C. swaini* Staplin, 1963a]. Tressler, 1957, p. 421; Karrow et al., p. 660, 662; Benson & MacDonald, 1963, p. 17; Alta.; GMUS.
- CANDONA RENOENSIS Gutentag & Benson, 1962. Alta.; GMUS.
- CANDONA SCOPULOSA Furtos, 1933. Furtos, 1933, p. 480; Kupsch, 1960, p. 291; Staplin, 1963a, p. 783.
- CANDONA SIMPSONI Sharpe, 1897. Staplin, 1963a, p. 785.
- CANDONA SUBTRIANGULATA Benson & MacDonald, 1863 [= *C. houghi* Staplin, 1963a]. Benson & MacDonald, 1963, p. 18; Staplin, 1963a, p. 775.
- CANDONA TRUNCATA Furtos, 1933. Kupsch, 1960, p. 291; Karrow et al., 1961, p. 662; Staplin, 1963a, p. 788.
- CANDONA WANLESSI Staplin, 1963. Staplin, 1963a, p. 790.
- PARACANDONA EUPLECTELLA (Brady & Norman), 1889. Man.; GMUS.

SUBFAMILY ILYOCYPRIDINAE

- ILYOCYPRIS BRADYI Sars, 1890. Klugh, 1927, p. 25; Alta.; GMUS.
- ILYOCYPRIS GIBBA (Ramdohr), 1808 (sensu lato). Alta.; GMUS.

FAMILY NOTODROMADIDAE

- NOTODROMAS MONACHA (Mueller), 1776. Alta.; GMUS.
- CYPROIS MARGINATA (Straus), 1821. Alta.; GMUS.
- CYPROIS OCCIDENTALIS Sars, 1926. Sars, 1926, p. 3.

FAMILY DARWINULIDAE

- DARWINULA AUREA (Brady & Robertson), 1870. Karrow et al., 1961, p. 662; Staplin, 1963b, p. 1192.
- DARWINULA STEVENSONI (Brady & Robertson), 1870. Furtos, 1933, p. 425.

SUBFAMILY NEOCYTHERIDEIDINAE

- CYTHERISSA LACUSTRIS (Sars), 1863. Karrow et al., 1961, p. 662; Staplin, 1963b, p. 1203; Benson & MacDonald, 1963, p. 22; Alta.; GMUS.

FAMILY ENTOCYTHERIDAE

- ENTOCYTHERE INSIGNIPES (Sars), 1926. Sars, 1926, p. 10.

FAMILY LIMNOCYTHEREIDAE

- LIMNOCYTHERE FRIABILIS Benson & MacDonald, 1963 [= *L. chippewaensis* Staplin, 1963b]. Benson & MacDonald, 1963, p. 24; Staplin, 1963b, p. 1193.

- LIMNOCYTHERE HERRICKI Staplin, 1963. Staplin, 1963b, p. 1194.
- LIMNOCYTHERE ILLINOISENSIS Sharpe, 1897. GMUS.
- LIMNOCYTHERE INOPINATA (Baird), 1843. GMUS.
- LIMNOCYTHERE ORNATA Furtos, 1933. Furtos, 1933, p. 423; Staplin, 1963b, p. 1195.
- LIMNOCYTHERE OUGHTONI Tressler, 1957. Tressler, 1957, p. 422.
- LIMNOCYTHERE RETICULATA Sharpe, 1897. Huntsman, 1922, p. 132; Bigelow, 1923, p. 60; Moore, 1953, p. 423; Karrow et al., 1961, p. 660.
- LIMNOCYTHERE STAPLINI Gutentag & Benson, 1962. Alta.; GMUS.
- LIMNOCYTHERE TRAPEZIFORMIS Staplin, 1963. Staplin, 1963b, p. 1200; Alta.; GMUS.
- LIMNOCYTHERE VERRUCOSA Hoff, 1942. Karrow et al., 1961, p. 660; Benson & MacDonald, 1963, p. 23; Staplin, 1963b, p. 1202; Alta.; GMUS.
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NEW PUBLICATIONS

SPARKS, B. W. (1964) The Distribution of non-marine Mollusca in the last Interglacial in South-East England. -- Proc. Malac. Soc. London, v. 36, pp. 7-25.

A study which has a great deal of interest for workers on Pleistocene Mollusca in North America, both from the standpoint of methods used and conclusions reached. The distribution of Mollusca is summarized in terms of vegetation zones which the author states "provide the only reasonable approach to a climatic and chronological framework for the period." It is worthy of note that the author found "a somewhat greater continental influence than at present" and that "the apparent slowness of arrival of Mollusca in the early part of the Interglacial is contrasted with their apparent survival into interperate climates in the latter part of the Interglacial."

A. L.

LIKHAREV, I. M. and RAMMELMEIER, E. S. (1962) Terrestrial Mollusks of the Fauna of the U. S. S. R. -- Izdatel'stvo Akademii Nauk SSSR, Moscow and Leningrad, 1952. Translated by Dr. Y. Lengy and Z. Krauthamer, published for the National Science Foundation, Washington, D. C., and the Smithsonian Institution, by the Israel Program for Science Translations, Jerusalem, 1962, 574 pp., 420 figs.

Leafing through this long-awaited volume (ordered in January 1963 and received May 9, 1964) one has the impression that it is a solid piece of work well done, based on a great deal of collecting in a very large and important area of the world. Table V (pp. 61-63) is particularly useful to the paleontologist since it summarizes the geologic range of contemporary genera in Europe. The figures leave something to be desired, but perhaps they have lost some of their original sharpness in reprinting; I have not seen the original, but having some familiarity with offset reproduction, I am inclined to blame the process rather than the originals for lack of sharpness. Outline maps showing ranges would be a distinct addition to this work.

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