

A Bibliography of the Arctic Charr
Salvelinus alpinus (L.), Complex:
1993-1996

K. E. Marshall, M. Layton and J. A. Babaluk

Central and Arctic Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

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ABSTRACT

MARSHALL, K.E., M. LAYTON, and J.A. BABALUK. 1998. A bibliography of the Arctic charr, *Salvelinus alpinus* (L.) complex: 1993 - 1996. Can. Tech. Rep. Fish. Aquat. Sci. 2194: iv + 48 p.

A list of 584 references mostly published between 1993 and 1996 is presented. In addition to Arctic charr, *Salvelinus alpinus* (L.), the bibliography lists references to other closely related species including Dolly Varden, *S. malma* (Walbaum), bull trout, *S. confluentus* (Suckley), and white-spotted charr, *S. leucomaenoides* (Pallas). The bibliography proper is in alphabetical order by author. Taxonomic, geographic and subject indexes are also given.

Key words: *Salvelinus alpinus*, *Salvelinus leucomaenoides*, *Salvelinus malma*, *Salvelinus confluentus*; Arctic charr; white-spotted charr, Dolly Varden, bull trout; bibliographies.

RÉSUMÉ

MARSHALL, K.E., M. LAYTON, and J.A. BABALUK. 1998. A bibliography of the Arctic charr, *Salvelinus alpinus* (L.) complex: 1993 - 1996. Can. Tech. Rep. Fish. Aquat. Sci. 2194: iv + 48 p.

On présente une liste de 584 références parues entre 1993 and 1996. En plus des références portant sur l'omble arctique, *Salvelinus alpinus* (L.). La bibliographie comprend des références ayant trait à d'autres taxons étroitement apparentés, dont la Dolly Varden, *S. malma* (Walbaum), omble à tête plate, *S. confluentus* (Suckley), et l'omble, *S. leucomaenoides* (Pallas). La bibliographie elle-même est présentée par ordre alphabétique des noms d'auteurs. Elle contient également un index taxonomique, un index géographique et un index des sujets.

Mots clés: *Salvelinus alpinus*; *Salvelinus leucomaenoides*; *Salvelinus malma*, *Salvelinus confluentus*; omble arctique; Dolly Varden; omble à tête plate, bibliographies.

INTRODUCTION

This is the sixth of a series of bibliographies on this group of fishes. Previous bibliographies are: Marshall (1977 & 1981), Marshall and Layton (1985), Heuring et al. (1991) and Marshall et al. (1994).

The present compilation is made up of 584 references, most of which have appeared since 1993. However, a few items have been found which were missed when compiling the earlier bibliographies and these are included.

It must be stressed that it has not been possible to check the original documents for many of the items listed as they have been found cited in secondary sources and could not be located in libraries to which we have access. Bear in mind that errors in transcription do occur. Thus, minor errors are possible and apologies are given in advance should these cause users inconvenience.

References have been collected from a variety of sources. *Biological Abstracts* (including *Biological Abstracts/RRM*), *Zoological Record* and *Aquatic Sciences and Fisheries Abstracts* have been scanned regularly. *Fisheries Review*, in both paper (now discontinued) and CD-ROM format, has been searched. *Arctic and Antarctic Research CD-ROM* has also been used as a source. The *WAVES CD-ROM VAGUES* has also been searched. In addition to these secondary sources, material arriving in the Eric Marshall Aquatic Research Library at the Freshwater Institute has been scanned for pertinent material. Since the senior author moved to Vancouver Island, he has visited the Pacific Biological Station Library regularly in search of items to add to this bibliography.

The bibliography has been compiled using Pro-Cite® 2.1.1 software. From here the bibliography was downloaded in WordPerfect® 5.1 format from which camera-ready copy was made.

FORMAT

A format similar to that of previous bibliographies has been used. There are four indexes: author, taxonomic, geographic and subject. Citations in the last three refer users to the author index for complete citations.

1. Author Index

References are arranged in alphabetical order by author. Those by more than one author are listed following those by the senior author alone. Works by the same author (or authors) are in date sequence, with the oldest being listed first. If authors have more than one publication issued in the same year, A, B, etc., has been added to the date used to distinguish between them. Cross references to junior authors are not provided. Authors' initials have been standardized, usually to the fullest form used, so that a proper alphabetical

sequence can be maintained and the Pro-Cite® database can be efficiently searched.

This index is the bibliography proper. The title is first given in the language in which the paper is written (if it is known). In the case of material in the Cyrillic (Russian) alphabet the transliteration system used by *Chemical Abstracts* has been followed for all material located in the original. Material in Japanese has only been cited by an English translation of the title. Items which could not be located are cited in the way the source gave. Brackets [] have been used in the citations to indicate information added; this includes translations of titles which do not appear in the original and numbers of un-numbered pages. In the case of Russian papers appearing in the "cover-to-cover" translation journals (e.g., *J. Ichthyol.*) the original citation has been added in brackets following the citation of the translation. A publication date is given for the original only when it is different to that of the translation.

Accents and diacritical marks have not been reproduced and the base letters have been used on their own. Many sources, for example, insert an "e" when an umlaut is removed (i.e. "ü" is rendered as "ue"). This practice is not followed here.

The system of abbreviations used for the titles of journals is basically that used in *Serial Sources for the BIOSIS Data Base* (1992). However, in a small number of cases where the BIOSIS abbreviation is very long (e.g., listing the topics covered by a lettered subseries), a shortened form has been used when there is no possibility of confusion.

A few references lack details of the publisher of a book or conference proceedings from which chapters have been cited. These have been taken from secondary sources which did not provide these details. The authors of this bibliography have not been able to find copies of the works in question in the libraries to which they have access. Hopefully enough information is provided so that users can find the material when the need arises.

An * following the citation indicates that the reference is held in the Eric Marshall Aquatic Research Library at the Freshwater Institute in Winnipeg. A # indicates that it is in the library of the Pacific Biological Station in Nanaimo.

At the end of each item an indication is given of the species covered by that item if it is not mentioned in the title either by its Latin or common name. The following indicates the Latin name corresponding to each common name for the commoner species covered:

Arctic charr - *Salvelinus alpinus*
 Bull trout - *Salvelinus confluentus*
 Dolly Varden - *Salvelinus malma*
 White-spotted charr - *Salvelinus leucomaenis*

2. Taxonomic Index

The genera and species, as quoted by authors, are listed in alphabetical order. No attempt has been made to follow any standard classification. Readers are referred to the Author Index for the full citation by author(s) and date, as in the other indexes.

3. Geographic Index

Geographic locations of significance are identified in this index. Canada and the United States have been subdivided by province, territory or state. Marine areas are listed following the adjacent land areas.

4. Subject Index

Headings similar to those used in previous bibliographies have been used and are arranged alphabetically.

It must be stressed that when a reference has not been seen in the original any indexing used in the source has been used to determine the index headings used in all of the indexes.

CONCLUSION

This bibliography does not claim to be complete. It is hoped to be able to update this bibliography at some future date, in some form, when a reasonable number of new references have been found. Readers are invited to draw the attention of the authors to citations missed and to new material. Such information should be addressed to Mary Layton, Eric Marshall Aquatic Research Library, Freshwater Institute, 501 University Crescent, Winnipeg, MB, R3T 2N6, Canada.

This bibliography is also available in Pro-Cite® form or as the WordPerfect® file from which this report was printed. Copies of these, on diskette, can be obtained from Mary Layton at the address given above. The Pro-Cite® data base includes additional index terms and also the source of each reference.

ACKNOWLEDGMENTS

Thanks are due to the staff of both the Eric Marshall Aquatic Research Library and the Pacific Biological Station Library for assistance in providing access to their holdings. Those authors, including Dr Yoichi Machino, who sent copies of their publications, are thanked for their kindness.

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