
NOTICE

Biology and Ecology of the Squids, *Illex illecebrosus* and *Loligo pealei* in the Northwest Atlantic

Special Session of the Scientific Council of NAFO
Dartmouth, Nova Scotia, Canada, 5-7 September 1984

General Theme

Progress in the study of the biology and ecology of *Illex illecebrosus* and *Loligo pealei*, with emphasis on life histories and distributional characteristics of particular life-stages in relation to environmental conditions and oceanic processes. Papers reviewing and synthesizing the results of data series developed under the NAFO coordinated research program for *Illex illecebrosus* are particularly welcomed.

Specific Topics

1. Early life histories and their relation to oceanic processes.
2. Size distribution and cohort components related to the life cycle.
3. Sexual maturity and growth.
4. Large-scale and micro-scale distributional characteristics in relation to environmental conditions.
5. Age validation techniques.
6. Predator-prey relationships.
7. Sampling methodology.
8. Biological implications to management.

Deadlines

Authors are asked to send a title and brief description of their potential contributions to either Co-convenor **by 31 March 1984**. Papers will be selected on the basis of their relevance to the topics indicated. Authors of selected contributions will be informed by 15 May 1984.

Completed manuscripts must arrive at the NAFO Secretariat for mimeographing **by 15 August 1984**, addressed to: Assistant Executive Secretary, Northwest Atlantic Fisheries Organization, P. O. Box 638, Dartmouth, Nova Scotia, Canada B2Y 3Y9.

Publication

Publication in the *Journal of Northwest Atlantic Fishery Science* or *NAFO Scientific Council Studies* will depend on the nature and quality of individual contributions.

Co-conveners

Further information may be obtained from the Co-conveners:

Mr T. W. Rowell
Halifax Laboratory
Department of Fisheries and Oceans
P. O. Box 550
Halifax, Nova Scotia
Canada B3J 2S7

Telephone: 1-902-426-3587
Telex: 019-21891

Dr Ch. M. Nigmatullin
Atlantic Research Institute of Marine
Fisheries and Oceanography (AtlantNIRO)
5 Dmitry Donskoy Street
Kaliningrad, 236000
USSR

Cable: ATLANTNIRO, Kaliningrad

NOTICE

Design and Evaluation of Biological Surveys in Relation to Stock Assessments

The above theme has been chosen by the Scientific Council for its Special Session at the Annual Meeting in September 1985. Further details will be announced as soon as the Convener has been appointed in June 1984.

Instructions for Authors in the Preparation of Manuscripts for Scientific Council Studies

Form of Manuscript

Authors should submit the original typewritten manuscript or a good quality reproduction in English on standard letter-size paper. All typing should be double-spaced with at least 2.5 cm margins around the page. Avoid breaking words at the end of lines. Number all pages consecutively with arabic numerals in the center of the top margin. The sequence of the material should be title page, abstract, text, tables, list of figures, and figures.

Content of Manuscript

Title Page

This page should contain the name(s) and complete address(es) of the author(s), including professional affiliation. Short titles of papers are preferred.

Abstract

An informative abstract, not a summary of the contents should not exceed one double-spaced page or about 250 words, the ultimate length being dependent on the size of the manuscript.

Text

In general, papers should be organized with an Introduction, Materials and Methods, Results, Discussion, Acknowledgements, and References. Authors should be guided by papers published in the Studies and by the Council of Biological Editors (CBE) Style Manual. All measurements should be given in numerals in the metric system. If other units are essential to the material presented, equivalents in metric units must be included. Footnotes should be avoided, but where necessary they should be numbered consecutively in the text and placed below a horizontal line at the bottom of each relevant page. Only those words to be printed in italics should be underlined.

Tables

All tables must be discussed or mentioned in the text. Tables should be carefully constructed so that the data presented are readily understood. Each table should start on a separate page and be headed by a description which, together with the column headings, makes the table intelligible without reference to the

text. Tables should be numbered consecutively with arabic numerals. The required positions of tables in the text should be clearly indicated in the left margin of the relevant pages.

Figures

Each photograph or drawing, described or mentioned in the text, must be on a separate sheet in a form suitable for good quality reproduction and numbered consequently with arabic numerals. Lettering must withstand reduction of the figure to page width (17 cm) or half-page (single column) width (8 cm). To avoid using excessive space, many kinds of illustrations are adequately intelligible if reduced to half-page width, provided that some thought is given to the design and lettering. Black-ink line drawings or glossy photographs are acceptable. Over-sized line drawings should be submitted as glossy photographs no larger than 17 cm wide and about 20 cm high, preferably smaller. The original drawings, if larger than 17 × 20 cm, should be retained by the author and forwarded only if requested by the editor. The figure number should be indicated on the back or in the margin of each illustration together with the name(s) of the author(s). Figure legends should be typed double-spaced on a separate sheet, which follows the tables in paging sequence. The approximate location of each figure in the text should be indicated in the left margin of the relevant page. A complete set of clear illustrations must accompany the original copy of the manuscript.

Bibliographic style

Literature references cited in the text must be by author's surname and date, viz,

It was reported that (Collins, 1960) ...

Collins (1960) reported that ...

The names of two authors may be used in a citation, but if more than two authors are involved the citation should be (Collins *et al.* 1960). All papers referred to in the text must be listed alphabetically by the senior author's surname and initials in the References, followed by the initials and surnames of other authors (if any), the year of publication, full title of the paper, abbreviated name of the periodical, volume or number,

and range of pages. Abbreviations of periodicals should, if possible, follow the "World List of Aquatic Sciences and Fisheries Serial Titles" published periodically by the Food and Agriculture Organization (FAO). References to monographs should, in addition to the author, year and title, contain the name of the publisher, place, and number of pages in the volume. Reference to papers submitted but not yet published should be indicated as being "In press" or "Submitted for publication". The accuracy of all references is the responsibility of the author.

Proofs

All proofs of manuscripts must be corrected and returned to the Editor within 3 days of receipt. Only corrections of typographical errors are permitted at the proof stage. Any proposed additional alterations to the text will be at the discretion of the Editor.

Reprints

A total of 50 free reprints will be provided to the senior author and 25 free reprints to each additional author. Additional reprints may be ordered, when proofs are returned at charges based on the length of the paper.

Submission of Manuscripts

Manuscripts for publication should be addressed to:

Editor
Northwest Atlantic Fisheries Organization
Bedford Institute of Oceanography
P. O. Box 638
Dartmouth, Nova Scotia
Canada B2Y 3Y9

NAFO Scientific Council Studies

Previous Issues

- No. 1. Miscellaneous Selected Papers (101 pages, published March 1981)
- No. 2. Manual on Groundfish Surveys in the Northwest Atlantic,
W. G. Doubleday, Editor (55 pages, published December 1981)
- No. 3. Miscellaneous Selected Papers (82 pages, published April 1982)
- No. 4. Special Session on Remote Sensing, September 1981 (98 pages,
published September 1982)
- No. 5. Symposium on Environmental Conditions in the Northwest
Atlantic During 1970-79, September 1981 (113 pages, published
December 1982).

Contents

NI, I-Hsun, and W. D. McKONE. Distribution and Concentration of Redfishes in Newfoundland and Labrador Waters	7
GRIMM, Stefan K. Changes in Time and Location of Herring, <i>Clupea harengus</i> L., Spawning Relative to Bottom Temperature in the Georges Bank and Nantucket Shoals Areas, 1971-77	15
ALBIKOVSKAYA, L. K. Feeding Characteristics of Wolffishes in the Labrador-Newfoundland Region	35
TRITES, R. W. Physical Oceanographic Features and Processes Relevant to <i>Illex illecebrosus</i> Spawning in the Western North Atlantic and Subsequent Larval Distribution	39
TEMPLEMAN, Wilfred. Stock Discrimination in Marine Fishes	57
SINDERMAN, Carl J. Parasites as Natural Tags for Marine Fish: a Review	63
DICKIE, L. M. Genetic Structure of Mussel Populations in Eastern Canadian Waters	73
FRÉCHETTE, J., and D. G. PARSONS. Report of Shrimp Ageing Workshop Held at Ste. Foy, Quebec, in May and at Dartmouth, Nova Scotia, in November 1981	79
NOTICES. Special Scientific Council Sessions	101