



ANNUAL MEETING - JUNE 1965

CODC STATUS REPORT ON

ICNAF SPECIAL PUBLICATION #2

"ENVIRONMENTAL SURVEY NORWESTLANT 1-3"

by

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Business arising from Item 5(a) of the agenda for the meeting of the Environmental subcommittee of the Standing Committee on Research and Statistics, held on 31 May 1965, called for a status report on CODC activities with respect to the compilation and plans for publication of Part III of the NORWESTLANT report.

BACKGROUND

As part of Canada's contribution to ICNAF's NORWESTLANT program, the Canadian Oceanographic Data Centre (CODC) have provided NORWESTLANT participants with the following support functions:

- co-ordination of reporting procedures of physio-chemical data by personal contact with all participants prior to the surveys.
- provision of data forms for the surveys.
- data processing and micro-processing services.

As stated under Item (f), paragraph 1 of the Report of the Steering and Publications Subcommittee, Halifax, June 1965, CODC will also prepare and publish Part III of the report.

ACHIEVEMENTS TO DATE

A. Data Processing

This work has included the reduction and machine processing of physio-chemical data, the micro-processing of bathythermograph data and the development of three special computer programs to facilitate the required conversions.

(1) General

The processing of the physio-chemical NORWESTLANT and support data, and computed derived quantities has been completed. Preliminary data reports were distributed to all participants on April 7, 1964.

(2) Salinity

The reported salinity values have been converted according to Cox-Folkard in the preliminary data reports.

(3) Oxygen

The reported oxygen values appearing in the preliminary data reports in ml/litre have been converted to oxygen saturation percentage values according to Truesdale's formula. The general distribution to all participants will take place on June 15, 1965.

(4) Silicate

The reported silicate values appearing in the preliminary data reports in whole units have been changed to tenths of microgram-atoms per litre. These may be requested prior to publication.

(5) Bathythermograph data

Canada, Norway, U.K. (Lowestoft) and West Germany have submitted BT-data for aperture card processing. All data have been processed. General distribution will take place when the remaining BT-data have been processed.

B. Publication

Part III of the report: "ICNAF SPECIAL PUBLICATION #7, ENVIRONMENTAL SURVEY NORWESTLANT 1-3"; will contain physical and chemical oceanographic data collected by the NORWESTLANT participants and supporting agencies. It will consist of three loose-leaf volumes comprising NORWESTLANT 1, 2, and 3 surveys, respectively. Each volume will contain an introductory section followed by the oceanographic data grouped by the participating ships, and followed by the support data during the same survey period. Ship program indexes and convenient "tabs" will facilitate locating data and explanatory information.

(1) Contents

- INTRODUCTORY {
- comprehensive index
  - foreword including general acknowledgements by A. J. Lee
  - paragraph on the intercalibration and standardization of methods and instrumentation by A. J. Lee (physical) and P. Jones (chemical)
  - paragraph on machine processing by C. D. Sauer
  - explanation of data headings
  - list of meteorological codes

- SHIP 1 {
- (a) title page
  - (b) ship's photograph
  - (c) track chart
  - (d) summary of observational program
  - (e) list of personnel
  - (f) extract of cruise log
  - (g) observational procedures (biol, phys, chem)

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(1) Contents cont'd.

- SHIP 1 cont'd
- (h) laboratory procedures and analysis methods
  - (i) methods table
  - (j) continuous records
  - (k) additional programmes (if any)
  - (l) acknowledgements (if any)

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  - (m) serial oceanographic data

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  - (n) bathythermograms printed from BT-aperture cards

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  - (o) oxygen saturation percentage, preceded by short paragraph by A. J. Lee to discuss the implications of recent views on Truesdale's formula used in the conversion

- SHIP 2 (etc)
- (a) to (o)

- SUPPORT
- Support data (Weather ships, etc.)

(2) Items still required (incomplete or not submitted)

Canada	Complete	
Denmark	a, b, c, d, e, f, g, h, i, j, k, l, n	(APPENDIX I)
France	a, c, d, f, g, h, i, j, k, l, n, e,	(APPENDIX II)
Iceland	d, g, h, j, k, l, n,	(APPENDIX III)
Norway	d, k, l,	(APPENDIX IV)
U.K. (Lowestoft)	d, l,	(APPENDIX V)
<del>U.K. (Aberdeen)</del>	<del>d, i, l, n,</del>	<del>(APPENDIX VI)</del>
USSR	d, g, h, j, k, l, n,	(APPENDIX VII)
West Germany	a, d, h, i, k, l,	(APPENDIX VIII)

(3) Time-schedule for publication

The submission of the outstanding descriptive items above should be completed as soon as possible but in any case no later than September 1, 1965, when CODC prepares to go to press in order to have the report ready for distribution on April 1, 1966.

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(4) Distribution

900 copies of each volume (ref: Rpt. Steering  
Comm. and Publ. Subcomm., item (f), par. 3,  
Halifax, June 1965)