

ARCTIC OCEAN SCIENCES BOARD

Report of Meeting 15 - 16 May 1984

At a meeting held at the Alfred-Wegener-Institute for Polar Research, on 15/16 May 1984, the persons listed hereunder, after reviewing recent, ongoing and proposed national and international scientific activities, including the Marginal Ice Zone Experiment (MIZEX), the Fram Strait Project, and the proposals of existing international scientific organizations related to research activities in the Arctic Ocean and adjacent seas,

Agreed that

there should be formed a body known as the Arctic Ocean Sciences Board, with a purpose, protocol and composition as on the attached statement.

It further agreed:

(1) To seek in the first place participation by institutions in Finland, France, Japan, Sweden, UK and USSR.

(2) To seek working arrangements with established international organizations, such as SCOR, WCRP, ICES etc. The Officers are requested to explore such arrangements and report to the next meeting of the Board.

(3) That work should start on the execution of a co-operative Greenland Sea Program, including studies in ocean, ice and atmosphere, taking the papers submitted by Drs. Untersteiner and Aagaard as a starting point, but including other lines of research related to ocean/climate phenomena in the Greenland Sea.

To this end

(a) the Officers shall arrange for the development of a scientific plan giving consideration to JSC proposals and other documentation;

(b) this scientific plan will be submitted to appropriate international organizations for review and comments;

(c) a project must be developed, based upon the scientific plan, so that participating institutions can plan their contributions. A project plan should -

(i) identify potential participants and their contributions to the project

(ii) develop a time table for a multi-year observational project to commence as soon as possible

(iii) define needed hardware development and acquisition

- (iv) develop resource requirements
 - (v) arrange for satellite remote sensing data acquisition
 - (vi) establish procedures for data processing, archiving and distribution.
- (d) the Board will review progress towards the Greenland Sea Project at its next meeting and will keep the Project under review until completion.
- (4) To inform senior officials of CCRS, ESA, and NOAA that the Board believes the development of climatic data sets from satellite sensors and supporting airborne and ground measurements to be of great importance for research in the Arctic Ocean and adjacent areas. This conclusion is partly based on the POLESTAR proposal submitted by Drs. Thomas and Weeks. The Board would urge that satellite operations for acquiring climatic data sets be coordinated between the space agencies.
- (5) That the Board would like to see the development of a co-operative Arctic Ocean Ecology Program and will attempt to stimulate the development of scientific plans by international bodies or any other appropriate group.
- (6) The Chairman and Vice-Chairman should devise effective procedures for the Board to carry out its business and should submit them for discussion.

Dr. G.N. Ewing and Dr. G. Hempel were elected Chairman and Vice-Chairman respectively.

The next meeting of the Board will be held on 7 and 8 November 1984 at Ottawa.

Those present at the meeting were:

Dr. Vera Alexander, Director, Institute of Marine Science, University of Alaska, Fairbanks, Alaska, U.S.A.

Mr. Gerald N. Ewing, Assistant Deputy Minister, Ocean Science and Surveys, Department of Fisheries and Oceans, Ottawa, Canada

Dr. Richard M. Goody, The Center for Earth and Planetary Physics Harvard University, Cambridge, Massachusetts, U.S.A.

Dr. Preben Gudmandsen, Electromagnetics Institute, Technical University of Denmark, Lyngby, Denmark

Dr. K. Hasselmann, Director, Max-Planck-Institut für Meteorologie, Hamburg, Federal Republic of Germany

Dr. G. Hempel, Director, Alfred-Wegener-Institute for Polar Research

Bremerhaven, Federal Republic of Germany

Dr. Leonard Johnson, Director, Arctic Programs, Office of Naval Research,
Arlington, Virginia, U.S.A.

Dr. Peter Lempke, Max-Planck-Institut für Meteorologie, Hamburg, Federal
Republic of Germany

Dr. E. Lyn Lewis, Head, Frozen Sea Research Group, Institute of Ocean Sciences,
Sidney, B.C. Canada

Dr. Jens Meinke, Department of Oceanography, University of Kiel, Federal
Republic of Germany

Professor Martin Mork, NAVF Research Council, Geophysical Institute,
University of Bergen, Norway

Dr. E.F. Roots, Science Advisor, Department of Environment, Ottawa, Canada

Dr. Norbert Untersteiner, Dean, College of Oceanography, University of
Washington, Seattle, Washington, U.S.A.