

PROCEEDINGS OF MEETINGS 1980-81 HALIFAX CHAPTER

1st Extraordinary Meeting, 28 Oct. 1980

"Food, Energy and the Environment". Fourth A.C. Neish Memorial Lecture. D. Pimentel, Cornell University.

2nd Extraordinary Meeting, 7 Apr. 1981

"Introduction of Exotic Species of Seaweeds in Northern European Waters: The *Macrocystis* Example". G.T. Boalch, Marine Biological Association of the United Kingdom.

1st Ordinary Meeting, 2 Oct. 1980

"Bird Navigation". B. Moore, Dalhousie University.

2nd Ordinary Meeting, 3 Nov. 1980

"Kelp Growth in the High Arctic". A.R.O. Chapman, Dalhousie University.

3rd Ordinary Meeting, 1 Dec. 1980

"Geology by Remote Sensing". W. Bruce, Canada Centre for Remote Sensing, Ottawa.

4th Ordinary Meeting, 5 Jan. 1981

"Petroleum Geology of the Eastern Seaboard". A. Grant, Bedford Institute of Oceanography.

5th Ordinary Meeting, 2 Feb. 1981

"Acid Rain". Panel Discussion: W. Watt, Resource Development Branch; D. O'Neil, Atmospheric Environment Service; P. LeBlanc, Nova Scotia Power Corporation; P. Hinch, Nova Scotia Department of the Environment.

6th Ordinary Meeting, 2 Mar. 1981

"The Microelectronic Revolution: Running Wild!" B. Paton, Dalhousie University.

7th Ordinary Meeting, 4 May 1981 (jointly with the Valley Chapter, at Dalhousie University)

"Dinosaurs—Were They Warm-Blooded?" H.B.S. Cooke, Dalhousie University.

VALLEY CHAPTER

1st Ordinary Meeting, 10 Nov. 1980

"Kelp Growth in the High Arctic". A.R.O. Chapman, Dalhousie University.

2nd Ordinary Meeting, 2 Dec. 1980

"Surveillance by Satellites". W. Bruce, Canada Centre for Remote Sensing, Ottawa, and G. Stevens, Acadia University.

3rd Ordinary Meeting, 12 Jan. 1981

"Petroleum Geology of the Eastern Seaboard". A. Grant, Bedford Institute of Oceanography.

4th Ordinary Meeting, 10 Feb. 1981

"Shad in the Bay of Fundy; the Fish and the Fishery". M. Dadswell, Fisheries and Oceans, St. Andrews, N.B.

5th Ordinary Meeting, 7 Apr. 1981

"Thunderstorms, Ozone, Smog and Kinetics". J.M. Roscoe, Acadia University.

6th Ordinary Meeting, 4 May 1981 (jointly with the Halifax Chapter, at Dalhousie University)

"Dinosaurs—Were They Warm-Blooded?" H.B.S. Cooke, Dalhousie University.

7th Ordinary Meeting, 25 May 1981

"The Biology of the Bay of Fundy". G.R. Daborn, Acadia University.

THE PRESIDENT'S REPORT

Institutions usually survive only as long as they meet the needs of their constituency so, in the 119 years of its existence, the Nova Scotian Institute of Science must have served its members well. During the past year the Institute continued its policy of providing a forum for scientific discussion of topical issues in a broad range of subjects. A series of excellent speakers brought us up to date on the scope of the microelectronic revolution, on the applications of remote sensing by satellite and on the prospects of major petroleum discoveries in our coastal waters. We were given fresh insights into bird navigation and into the growth of seaweed in high arctic waters. A panel of scientists directly involved in monitoring "acid rain" and evaluating its consequences presented a many-sided view of this current threat to our environment while a concerned biologist from England alerted us to the risks associated with cultivating giant kelp outside its natural habitat.

Again this year we were fortunate in being able to join with the A.C. Neish Memorial Trust in co-sponsoring a lecture by a scientist of international renown. Dr. David Pimentel offered a challenging view of the dilemmas now facing mankind on the issues of "Food, Energy and the Environment". We are particularly pleased that his lecture was presented at the Nova Scotia Agricultural College and formed part of their 75th Anniversary year observances. On a second occasion we enjoyed a congenial association with a fellow institution through joint sponsorship with the Halifax Field Naturalists Society of the lecture by Dr. Bruce Moore on "Bird Navigation".

This year the Valley Chapter has again had an active programme. Many of the topics in our lecture series have been presented both in Halifax and in Wolfville but Valley members also had opportunities to learn about shad in the Bay of Fundy and the kinetics of thunderstorms. The contributions of our speakers will be acknowledged in due course by a complete listing of the Halifax and Valley Chapter programmes in the PROCEEDINGS but I would like now to express an extra measure of appreciation for their help. I would like, too, to thank those who assisted in many ways to arrange the programme and express our gratitude to the institutions that provided us free of charge, with lecture rooms and other facilities for our meetings.

The publishing activities of the Institute have continued in 1980-81 at the accelerated level established in recent years through the vigorous editorship of Dr. J. McLachlan and his associates. With financial assistance from the Natural Sciences and Engineering Research Council, and the Government of Nova Scotia and with the strong support of institutions such as the Nova Scotia Museum, the National Research Council of Canada and Dalhousie University, it seems reasonable to expect that the PROCEEDINGS has resumed its role as an appropriate medium for publications of regional importance. We can take considerable pride in this achievement at a time when many journals are finding it increasingly difficult to keep afloat.

This year has presented the Institute with no formidable problems, either financial or organizational. This is, to a large extent, a result of the skill and devotion with which the Officers and Council of the Institute have carried out their responsibilities. I would like to thank all of them for their hard work and for their cheerful acquiescence whenever I have asked for help or advice. Their cooperation and support has made my term of office exceedingly pleasant.