

PROCEEDINGS OF MEETINGS 1981-82

HALIFAX CHAPTER

- 1st Extraordinary Meeting**, 2 Oct. 1981 (jointly with the Atlantic Geoscience Society)
"The Voyager Mission—Moons of Jupiter". G. Ramsford, Jet Propulsion Laboratory, Pasadena.
- 1st Ordinary Meeting**, 5 Oct. 1981
Tour of the Fisheries Research and Technology Laboratory, Technical University of Nova Scotia. E.G. Bligh, TUNS.
- 2nd Ordinary Meeting**, 2 Nov. 1981
"Some Mathematics Used to Develop a New Method of Shipbuilding in Nova Scotia". J. Clements, Dalhousie University.
- 3rd Ordinary Meeting**, 7 Dec. 1981
"Vagaries of Forecasting the Weather in the Maritimes". N. MacLennan, Maritimes Weather Office, Bedford.
- 4th Ordinary Meeting**, 4 Jan. 1982
"Wine-making—a Viable Industry for Nova Scotia?". R. Dial, Dalhousie University.
- 5th Ordinary Meeting**, 1 Feb. 1982
"Off-Shore Development and Environmental Assessment". Panel Discussion: C.W. Ross, Mobil Oil Canada Ltd.; P. Duinker, Dalhousie University; W. Heber, Dalhousie University; R.J. Conover, Bedford Institute of Oceanography (for D.J. Scarratt, Fisheries and Oceans, St. Andrews, N.B.).
- 6th Ordinary Meeting**, 1 Mar. 1982
"Applications of Chemistry to Efficient Production of Metals". H. Bell, University of Strathclyde, Glasgow.
- 7th Ordinary Meeting**, 5 Apr. 1982
"How to Protect Watershed Lands for Municipal Water Supplies". D.H. Waller, Technical University of Nova Scotia.
- 8th Ordinary Meeting**, 3 May 1982 (jointly with the Valley Chapter, at Acadia University)
"Sea Slugs and the South Pacific". J.S. Bleakney, Acadia University.

VALLEY CHAPTER

- 1st Ordinary Meeting**, 6 Oct. 1981
"New Developments in Food Processing and Storage". R. Stark, Agriculture Canada, Kentville.
- 2nd Ordinary Meeting**, 3 Nov. 1981
"Pyrolysis—a New Analytical Tool". E.R. Hayes, Acadia University.
- 3rd Ordinary Meeting**, 30 Nov. 1981
"Programming Strawberries to Multiply". N.L. Nickerson, Agriculture Canada, Kentville.
- 4th Ordinary Meeting**, 12 Jan. 1982
"The Ecology and Rickettsial Epidemiology of the American Dog Tick". T.B. Herman, Acadia University.
- 5th Ordinary Meeting**, 1 Feb. 1982
"The History of Lowbush Blueberry Production in the Maritimes". I.V. Hall, Agriculture Canada, Kentville. "The Selected Clone and Seedling Aspect of the Lowbush Blueberry Industry". C.R. Blatt, Agriculture Canada, Kentville.

6th Ordinary Meeting, 23 Mar. 1982

"The Tokamak Fusion Energy Gamble". C.S. MacLachy, Acadia University.

7th Ordinary Meeting, 3 May 1982 (jointly with the Halifax Chapter, at Acadia University)

"Sea Slugs and the South Pacific". J.S. Bleakney, Acadia University.

THE PRESIDENT'S REPORT

The Nova Scotian Institute of Science, the second oldest and one of the most prestigious scientific societies in Canada, was founded in 1862 for the promotion of scientific research through the holding of meetings and the publication of proceedings. In 1865 the Institute began the exchange of its proceedings for those of other scientific societies around the world and the journals received formed the basis of the Institute's library. These three aspects, the meetings, publications and library have constituted the programs of the Institute during its 120 years of continuous operation.

The program of meetings during the past year consisted of one joint meeting with the Atlantic Geoscience Society and eight ordinary meetings. At the joint meeting, held at Dalhousie University, Dr. G. Ramsford of the Jet Propulsion Laboratory, Pasadena, gave a lecture on the investigation of the moons of Jupiter and Saturn. At the eight ordinary meetings, most of which were at the Nova Scotia Museum, the speakers presented a wide range of topics. Summaries of these lectures and of the panel discussion on Environmental Impact Assessment are to be published in the Proceedings. The Institute is grateful for these contributions and for the meeting room facilities provided by the Nova Scotia Museum.

The publication program has continued to develop under the guidance of the Editor, Dr. J. McLachlan, his assistants Miss C. Bird and Dr. G.C. Milligan and members of the Editorial Committee. Dr. McLachlan resigned as Editor in February and the Council appointed Dr. G. Hicks as Interim Editor. The Institute is very conscious of the enormous amount of work that has been done by this group.

The main project of the year has been the preparation of the book "Geological Background and Physiography of Nova Scotia" by Dr. A.E. Roland for publication by the Institute on behalf of the Nova Scotia Museum. The museum has provided most of the funding as it will receive all revenues from sales. This publication is a significant venture for the Institute as it makes available an important educational text that will be widely used in schools and colleges. Parts 1 and 2 of Volume 31 of the Proceedings were published early in the year, but progress on Parts 3 and 4 has been delayed by preparation of the book.

In November of 1981 the Board of Governors of the Nova Scotia Museum agreed to allow the sale of special publications of the Institute at the Museum Information Centre. These publications are available through the Dalhousie Science Library but this action has made them more accessible to the general public.

The library of the Institute is its greatest asset. As mentioned previously the library, which is housed at the Science Library, Dalhousie University, was formed on the basis of the journals received in exchange for the Proceedings. These exchange agreements currently contribute 232 titles to the holdings of the Science Library and a further 136 titles held in storage and not catalogued as part of the Science Library holdings. This program, based entirely upon the value of the proceedings as an exchange item, makes at least \$10,000 worth of published

material available to the people of Nova Scotia and has made the province known throughout the world. I would like to thank the librarian, Miss E. Campbell and the staff of the Dalhousie Science Library, particularly Mrs. H. MacMillan, for the work that they have done.

The administrative aspects of the Institute have proceeded reasonably well although the slow start to the fall program and the lack of communication with the valley chapter are regretted. There were four Council meetings and several informal meetings to deal with the program and other matters. In view of the increase in cost of postage and preparation of meeting notices, the Council has decided to cut the number of notices for ordinary meetings to two, one for the fall and one for the winter program. It is hoped that the established tradition of meeting on the first Monday of the month, coupled with a reminder on the morning radio will maintain an acceptable level of attendance.

Last year it was recommended by the Provincial Government that the Institute change its annual application for funding of the Proceedings from the Provincial Grants Committee of the Department of Finance to the Nova Scotia Museum. This grant is expected to cover the cost of publication of one issue of the Proceedings. At present one issue is supported by local universities and two by the Federal Government.

Finally, I would like to thank my colleagues on the Council for the work that they have done throughout the past year and wish the Institute continued success in the year ahead. It has been both an honour and a pleasure for me to have been President.

D.S. Davis.