

PROCEEDINGS OF MEETINGS

Session of 1963-1964

102nd Annual Business Meeting: October 21, 1963

The meeting was presided over by the President, Dr. J. A. McCarter. His address appears on page 239 of the Proceedings. The Officers presented their reports.

The Treasurer, J. E. Stewart, reported:

Receipts.....	\$2,659.70
Expenditures.....	328.93
Permanent Fund.....	489.62
Bank Balance, October, 1963.....	2,518.62

The Librarian, Miss E. M. Campbell, reported:

The Institute library, together with the library of the Nova Scotia Research Foundation, has been moved to what was formerly the T. Eaton Building. Storage is still a serious problem.

The Editor, H. S. Heaps, reported:

Volume 25, Part 3, of the Institute Proceedings was published during the year. It was dated 1960-1961 and contained a paper entitled "Land Mollusca in the Vicinity of Wolfville, Nova Scotia" by R. G. Moore. The next issue of the Proceedings will be Volume 25, Part 4, for the Session 1961-1962. It will be the anniversary number and will contain a paper entitled "The Nova Scotian Institute of Science" by C. B. Fergusson. It will also contain a list of the three hundred scientific societies which exchange publications with the Nova Scotian Institute of Science and whose publications are available through the Library of the Institute.

It is hoped to publish Volume 26, Part I in the Spring of 1964. This issue will contain a paper entitled "A Study of Barachois Ponds in the Bras d'Or Lake Area of Cape Breton" by M. W. Smith and D. K. Rushton. The number will be dated 1962-1963 and our publication schedule will then be up to date.

Officers elected for the year 1963 - 1964 were:

President	Dr. J. A. McCarter
First Vice President	Dr. C. R. Masson
Second Vice President	Dr. W. J. Dyer
Treasurer	Professor E. L. Cameron
Secretary	Dr. E. H. Anthony
Editor	Professor H. S. Heaps
Council	
Dr. H. B. S. Cooke, Dr. W. E. Jones, Dr. A. MacDonald	
Dr. A. C. Neish, Dr. J. G. Retallack	
Auditors	Dr. A. E. Cameron
	Dr. J. R. Dingle

1st Ordinary Meeting, November 18, 1963

Papers: 1. "High Frequency Electrical Breakdown in the Atmosphere", by A. D. MacDonald; 2. "Biochemical Evolution of Woody Tissue in Plants", by A. C. Neish.

2nd Ordinary Meeting, December 9, 1963

Papers: 1. "Factors Affecting the Distribution of a Marine Worm on a Muddy Shore", by J. D. George; 2. "The Minimization of Non-linear Distortion of Vacuum Tube and Transistor Amplifiers", by G. W. Holbrook.

3rd Ordinary Meeting, January 13, 1964

Papers: 1. "Cyto-Taxonomy of Violets", by M. J. Harvey; 2. "Geological Evolution of African Mammals", by H. B. S. Cooke.

4th Ordinary Meeting, February 10, 1964

Papers: 1. "The Peat Mosses (Sphagna) in the Atlantic Provinces of Canada", by W. S. G. Maass; 2. "Reactions at the Mud-Water Interface of the Lake and Sea", by F. R. Hayes.

5th Ordinary Meeting, March 9, 1964

Papers: 1. "Acoustic Observations of a Scattering Layer of Biological Origin Deep in the Ocean", by R. P. Chapman and Jr. R. Marshall; 2. "Biochemical and Metabolic Disorders in Mental Retardation and Convulsions in Children", by W. A. Cochrane.

6th Ordinary Meeting, April 13, 1964

Papers: 1. "Identification of Fatty Acid Ester Peaks in Gas-Liquid Chromatography: Analysis of an Oil of the Leatherback Turtle", by R. G. Ackman and R. D. Burgher; 2. "Studies on the Enzymic and Non-Enzymic Browning of Apple Fruit. I. Sub-Strate Levels", by F. R. Forsyth; 3. "The Distribution of Phenolic Compounds in Plants in Relation to Chemical Taxonomy", by G. H. W. Towers.

7th Ordinary Meeting, May 11, 1964

Papers: 1. "Structural Geology of the Cobb's Arm Area, New World Island, Northern Newfoundland", by I. M. Harris; 2. "Bacteria on the Surface of Marine Pebbles", by E. Batoosingh; 3. "Purification of Messenger RNA from *Neurospora Crassa* via Sequence Complementarity with Denatured DNA", by E. Martin.