

# PROCEEDINGS OF MEETINGS

Session of 1962 - 1963

(Meetings were held in the Medical Sciences Building of Dalhousie University, the Bedford Institute of Oceanography, and Elliot Hall of Acadia University.)

*101st Annual Business Meeting:* October 15, 1962.

The meeting was presided over by the President, Dr. W. J. Archibald. His address appears on page 18 of the Proceedings. The Officers presented their reports.

*The Treasurer, J. E. Stewart, reported:*

Receipts.....	\$2,496.02
Expenditures.....	3,730.26
Permanent Fund .....	422.50
Bank Balance, October, 1962.....	\$ 112.95

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

More use has been made of the material in the Institute's library during the year 1961 - 1962, than in any previous year. This trend will continue with the growth of scientific research in the area and the increasing number of graduate students at Dalhousie University. There has also been an increase in the interlibrary loan work done with the universities in Canada and the United States. With the publication of revised editions of the Union list of scientific serials in Canada and the United States we may expect to make more such loans from the Institute's collection. Over 150 volumes were bound in the year 1961 - 1962, including the complete set of the American Midland Naturalist. The Nova Scotia Research Foundation continues to finance the subscriptions to the journals that are no longer coming to the library on an exchange basis.

The checking and entering of all the exchange periodicals is continuing, and any new exchange is reported to the National Research Council for inclusion in its revised edition of the Union List of Scientific Serials. The Proceedings of the Institute have been mailed to the societies that have exchange agreements with the Institute. The library also reports any correction of addresses for the general mailing list. The correspondence has dealt mainly with the problems relating to the exchanges, missing numbers, requests for copies of proceedings, etc.

The necessity to obtain storage space with facilities to allow proper handling of the Institute's material is still urgent. There is some doubt as to how long we may continue to use the attic of the Nova Scotia Technical College for storage of our exchange periodicals.

*The Editor, H. S. Heaps, reported:*

Volume 25, Part 2, of the Institute Proceedings was published during the year. It was dated 1959 - 1960 and contained a paper entitled "A Forest Classification for the Maritime Provinces" by O. L. Loucks. The next issue, Volume 25, Part 3, dated 1960 - 1961, is ready for the printer and will contain a paper entitled "Land Mollusca in the Vicinity of Wolfville, Nova Scotia by R. G. Moore. The following issue will be the anniversary volume dated 1961 - 1962. For this issue C. B. Fergusson has prepared an account of the early history of the Nova Scotian Institute of Science.

*Officers elected for the year 1962 - 1963 were:*

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

*New Members:*

During the year the following new members were proposed and were elected by Council: Ordinary: F. Langstroth, W. E. Jones, L. C. Vining, G. H. N. Towers, G. S. Maddrell, J. D. Dawson, W. N. English, R. A. Cameron, N. Damberg, R. Peters, R. D. Burgher, H. A. Stewart, R. T. Kanai.

Student Members: J. H. Blakeley, S. Batoosingh, R. Thomasson, Verma, V. B. Hargreaves, J. Newman, Gibson, D. McEwen, D. R. Grant, D. W. Clark, D. E. Lawrence, K. Halerow.

*Extraordinary Meeting, October 26, 1962.*

Dr. D. J. Crisp, Director of the Marine Sciences Laboratories at Menai Bridge, Anglesey, addressed the Institute on "Biology of Marine Fouling". Dr. Crisp was visiting Dalhousie University as a Nuffield Lecturer.

*1st Ordinary Meeting, November 12, 1962.*

Papers: 1. "An X-Ray Study of Some Nova Scotia Zeolites", by F. Aumento; 2. "A Diuretic Hormone in *Rhodnius prolixus* Stal.", by S. Maddrell; 3. "The Antipeptic and Antithrombic Properties of Carrageenin", by W. W. Hawkins and Verna G. Leonard.

*2nd Ordinary Meeting, December 10, 1962.*

Papers: 1. "Pebble Associations in Southern Nova Scotia Moraine", by D. R. Grant; 2. "The Nature of Acetylcholine-Like Activity Released from Brain in Vivo", by J. C. Szerb; 3. "The Influence of Pulse Wave Velocity and Peripheral Resistance on Ballistic Stroke Volume Determination", by W. T. Josenhans.

*3rd Ordinary Meeting, January 14, 1963.*

Papers: 1. "Solid State Chemistry of Some  $\text{AMO}_3$  Compounds", by M. Sweeney and W. R. Trost; 2. "The Utilization of Marine Oils", by P. M. Jangaard; 3. "Magnetic Anomalies at Sea", by M. J. Keen; 4. "Barachois Ponds of Bras d'Or Lakes, Cape Breton, Nova Scotia", by M. W. Smith and D. K. Rushton.

*4th Ordinary Meeting, February 11, 1963.*

Papers: 1. "Predicting the Influence of Dredging on the Salinity of Lake Maracaibo", by L. A. E. Doe; 2. "Solubility Measurements From Light Scattering", by R. F. Platford; 3. "Behaviour of Cellular Organelles in Regenerating Moss Leaves", by K. E. von Maltzahn.

*5th Ordinary Meeting, March 11, 1963.*

Papers: 1. "Gas-liquid Chromatography of Polar Compounds", by R. C. Ackmann and R. D. Burgher; 2. "Behavioural Ecology of Two Microtine Rodents in Nova Scotia", by G. C. Clough; 3. "Tanganyika Volcanoes", by J. B. Dawson.

*Extraordinary Meeting, March 18, 1963.*

Sir Rudolph Peters, F.R.S., formerly Professor of Biochemistry at the University of Oxford, addressed the Institute on "Hopkins and His Times". Sir Rudolph Peters, visiting Dalhousie University under the auspices of the Medical Research Council of Canada, was introduced by Dr. E. G. Young.

*Extraordinary Meeting, April 5, 1963.*

Dr. Roger Revelle, Dean of Research at the University of California at Berkeley and Director of Scripps Institute of Oceanography at La Jolla, California, addressed the Institute on "Oceanography".

*6th Ordinary Meeting, April 22, 1963.*

Papers: 1. "Interaction of Acridines with Nucleic Acid", by J. A. McCarter; 2. "Cytotaxonomic Investigations of Native Blackberries in Nova Scotia", by L. E. Aalders and I. V. Hall; 3. "Characterization of Fish Species by Vertical Starch Gel Electrophoresis of Various Tissue Proteins", by P. Odense and W. Shinnars.

*7th Ordinary Meeting, May 13, 1963.*

Papers: 1. "Primary Production in the Bras d'Or Lakes, Cape Breton Island", by G. H. Geen; 2. "Positron Annihilation in Liquid Helium", by P. Gracii; 3. "Protein Synthesis in Cell Free Extracts of Neurospora Crassa", by Sandra McFarlane.

## PROCEEDINGS OF MEETINGS

(Valley Chapter)

Session of 1962 - 1963

The Valley Chapter had forty-two members, plus two life members, during the year 1962 - 1963. The Chapter held six meetings during the year.

*Annual Business Meeting, November 5, 1962.*

*Officers elected for the year 1962 - 1963 were:*

President . . . . .	Dr. R. G. Ross
Vice-President . . . . .	Dr. R. G. Moore
Treasurer . . . . .	Dr. H. B. Specht
Secretary . . . . .	Dr. L. E. Aalders
Council Member . . . . .	Dr. E. C. Smith:

Paper: "Activities of the Atlantic Regional Laboratory", by A. C. Neish.

*1st Ordinary Meeting, December 3, 1962.*

Papers: 1. "A Report on the Standardization of Terminology and Survey Procedures in Geology and Engineering", by R. H. MacNeil; 2. "Physiology of Cereal Rusts", by F. R. Forsyth.

*2nd Ordinary Meeting, January 7, 1963.*

Papers: 1. "Problems in the Sampling of Insect Predator Population on Apple Trees", by F. T. Lord; 2. "Space Photography and its Applications to Earth Science", by H. L. Cameron.

*3rd Ordinary Meeting, February 4, 1963.*

Papers: 1. "Partial Synthesis of Potentially Physiologically Active Compounds from Podocarpic Acid", by J. Wilson; 2. "A Laboratory Evaluation of Fungicides for Use in Smoke Generators", by C. L. Lackhart; 3. "Further Studies on Mushrooms in Nova Scotia", by K. A. Harrison.

*4th Ordinary Meeting, March 4, 1963.*

Papers: 1. "Prescalene Fat Pad Biopsy in Thoracic Disease", by J. J. Quinlan; 2. "Pheasants in Nova Scotia, Their Introduction, Distribution and Population Dynamics", by N. van Nostrand; 3. "Intermittent Positive Pressure Breathing in Diagnosis and Treatment of Lung Disease", by G. A. Kloss and E. W. Crosson.

*5th Ordinary Meeting, April 22, 1963. (Joint meeting with parent chapter)*

Papers: 1. "Interaction of Acridines with Nucleic Acid", by J. A. McCarter; 2. "Cytotaxonomic Investigations of Native Blackberries in Nova Scotia", by L. E. Aalders and I. V. Hall; 3. "Characterization of Fish Species by Vertical Starch Gel Electrophoresis of Various Tissue Proteins", by P. Odense and W. Shinnars.