

PROCEEDINGS OF MEETINGS

Session of 1955-56

(Meetings were held in the Medical Sciences Building, Dalhousie University; the Physics Lecture Theatre, Dalhousie University; the Naval Research Establishment; and the Biological Laboratory, Acadia University.)

94th Annual Business Meeting; October 17, 1955.

The meeting was presided over by the President, Dr. H. D. Smith. Eighteen members were present.

The President addressed the Institute. The address appears on page of the Proceedings. The Officers presented their reports.

The Treasurer, J. R. Dingle, reported:

Income from all sources	\$4,556.85
Expenditures	3,585.11
Excess of income over expenditures	971.74
Bank balance, October 14, 1955	1,365.56

The income listed includes \$1,990 from sale of bonds, so that the invested fund is \$2,000, as compared with \$4,000 of one year ago.

The Corresponding Secretary, P. L. Hoogland, reported:

During the year 1954-1955, Volume XXIII, parts 3 and 4, of the Proceedings appeared in print. They were forwarded to all members and exchange addresses.

The number of requests for reprints was normal: 54 were sold. The most sought after publications are still: The Grasses of Nova Scotia, The Flora, The Fresh-water and Salt-water Fishes and the Lepidoptera of Nova Scotia.

At the beginning of the year the exchange mailing list contained 563 addresses. Two were added during the year. In August 1955 a form was mailed to all exchange addresses requesting information needed for a complete revision of the mailing list. Approximately 50% have already returned the

answers. The majority wished to continue the exchange arrangement; 17 wanted to discontinue the exchange. As a result, the number of addresses on the mailing list has dropped from 563 at the beginning of the year to 548.

The Editor, H. R. Chipman, reported:

Part 4 of Volume XXIII was published during the year. Being the last number of the volume, this issue contained an index to the whole volume.

At the present time there are no manuscripts on hand for publication as Part I of Volume XXIV.

Librarian's Report:

In the absence of the Librarian, Dr. M. R. Foran reported that the library has been well looked after by the Nova Scotia Research Foundation. Considerable binding of Institute periodicals has been done. A list of Institute exchange periodicals has been made and is available to members.

Officers elected for the year 1955-56 were:

President.....	Dr. H. D. Smith
First Vice-President.....	Dr. J. G. Aldous
Second Vice-President.....	Dr. J. E. Keyston
Treasurer.....	Dr. J. R. Dingle
Corresponding Secretary.....	Dr. P. L. Hoogland
Recording Secretary.....	Mr. H. S. Heaps
Editor.....	Dr. H. R. Chipman
Librarian.....	Dr. L. B. Macpherson
Council.....	Mr. C. V. Douglas, Dr. J. G. Kaplan, Dr. A. D. MacDonald, Dr. C. R. Masson, Dr. A. N. O'Neill.
Auditors.....	Dr. H. L. Bronson Dr. E. G. Young

The following new members were proposed and were elected by Council; Ordinary: H. Fougere, H. B. Dunford, W. I. Morse, C. E. Marshall, J. J. Ennitt; Student: Miss B. M. Melanson, D. L. Simmons, J. E. Bruce, A. R. Howard.

1st Ordinary Meeting, November 14, 1955.

The following new members were proposed and were elected by Council; Ordinary: D. Ives, M. Brzac, L. Milne, J. E. Stapleton, R. W. Trites, D. Schofield; Associate: H. F. Lewis.

Papers: 1. "Winter Resting Stages of Certain Ericaceae", by H. P. Bell and Jane Burchill; 2. "Random Walk and Satellite Motion", by H. S. Heaps; 3. "The Control of Certain Factors of Dosage in Epidermal Carcinogenesis", by J. A. McCarter.

Extraordinary Meeting, December 5, 1955.

Dr. Eville Gorham of the Fresh Water Biological Laboratory at Lake Windermere, England, addressed the Institute on "Transfer of Ocean Salts to Soil and Plants by the Atmosphere".

2nd Ordinary Meeting, December 12, 1955.

The following new members were proposed and were elected by Council; Ordinary: D. Brewer, J. T. Lauder, J. A. Hines.

Papers: 1. "The Total Body Haemoglobin in Children and its Relation to Iron Requirements", by W. W. Hawkins, Verna G. Leonard, and Eirlys Speck; 2. "Evidence for pH Regulation of Glucose Metabolism in Yeast Cells", by J. G. Aldous and K. R. Rozee; 3. "The Velocity of Sound in Solid Argon", by D. K. Robinson.

3rd Ordinary Meeting, January 9, 1956.

This meeting was held at the Naval Research Establishment, Dartmouth. The formal program was followed by an informal tour of the Establishment.

Papers: 1. "The Addition of Correlated Noises", by J. Langis; 2. "The Mechanism of Anodic Dissolution of Magnesium", by J. H. Greenblatt.

Extraordinary Meeting, January 13, 1956.

Dr. D. C. Rose, Principal Research Officer of the Cosmic Ray Section of the National Research Council in Ottawa

addressed the Institute on "The Cruise of H.M.C.S. Labrador through the North West Passage".

4th Ordinary Meeting, February 13, 1956.

The following new members were proposed and were elected by Council; Ordinary: H. McLennan, K. N. H. Greenidge, C. A. Brockley, A. S. Davies, A. C. Cuthbertson, J. A. Purdy.

Papers: 1. "Aspects of Moisture Movement in Trees", by K. N. H. Greenidge; 2. "The Photoelectric Effect with Incident Gamma Radiation", by W. J. Archibald; 3. "The Amino Acids in the Ichthulokeratin of Salmon Eggs", by E. G. Young and D. G. Smith.

5th Ordinary Meeting, March 12, 1956.

Papers: 1. "Equilibrium Constants for the $S^{34}O_2-H_2S^{32}O_4$ Exchange Reaction", by H. B. Dunford and H. G. Thode; 2. "The Electrophoretic Pattern of Lipemic Serum", by C. B. Weld; 3. "A Study of the Parasitism of *Ascochyta pisi* Lib" by D. Brewer.

6th Ordinary Meeting and Joint Meeting with Valley Chapter at Acadia University, April 9th, 1956.

Papers: 1. "The Deformation and Break-up of Large Water Drops", by R. H. Magarvey; 2. "Microorganisms in the Sediment of Lakes," by F. R. Hayes; 3. "A Study of Forest Succession on Abandoned Fields in Cape Breton", by E. C. Smith.

7th Ordinary Meeting, May 14, 1956.

Papers: 1. "Studies on the Structural Polysaccharides of the Rhodophyceae, Agar and Kappa Carageenin", by W. Yaphe; 2. "A Study of the Decomposition on Copper from Colloidal Suspensions of Fractions Derived from Sulfite Pitch", by D. L. Vincent; 3. "The Control of Enzyme Synthesis and Enzyme Activity in Living Cells", by J. G. Kaplan.

PROCEEDINGS OF MEETINGS

(Valley Chapter)

Session of 1955-56

The Valley Chapter held six meetings, alternately at Acadia University in Wolfville and at the Experimental Farm in Kentville. At the end of the session there were 26 Ordinary Members and 2 Student Members. Letters were sent to all potential members in order to compile a list of scientific workers in the area as well as to discover their specific research interests.

Annual Business Meeting; November 7, 1955.

The meeting was held in the Biology Building of Acadia University. The President, Prof. M. F. Bancroft, presided.

Officers elected for the year were:

President	Dr. C. J. Bishop
Vice-President	Prof. H. L. Cameron
Secretary	Miss L. J. McGowan
Treasurer	Mr. E. T. Stultz
Council Member	Mr. A. D. Pickett

1st Meeting, November 29, 1955.

Papers: 1. "Forests of Cape Breton during the 17th and 18th Centuries", by Philip Bentley and E. C. Smith.

2nd Meeting, January 4, 1956.

Papers: 1. "Nutritional Survey of McIntosh Orchards of the Annapolis Valley in Relation to the Keeping Quality of the Fruit", by C. A. Eaves; 2. "Some Findings of a Geological Nature on the Islands of Mahone Bay", by R. H. MacNeill; 3. "Some Aspects of Metabolism of Nuclear Nucleic Acids", by E. R. M. Kay.

3rd Meeting, February 6, 1956.

Papers: 1. "Physical Properties of Water Drops", by R. Magarvey; 2. "Flat-limb Canker of the Gravenstein", by J. F. Hockey; 3. "Photointerpretation Projects the N. S. Research Foundation", by H. L. Cameron.

4th Meeting, March 1, 1956.

Papers: 1. "Glaciofluvial Deposits of the Sporting Lake-Stream Area", by R. H. MacNeill; 2. "Cytological Development during Microsporogenesis as an Index of Heat Unit Accumulation", by G. M. Weaver; 3. "Observations on Common Spiders of the Annapolis Valley", by C. D. Dondale.

5th Meeting, April 9, 1956. (Joint meeting with parent Society.)

Papers: See page 000.

6th Meeting, May 7, 1956.

Papers: "Symposium on Phosphorus 32". Speakers: E. R. M. Kay, C. A. Eaves and R. MacLellan.