

PROCEEDINGS OF MEETINGS

Session of 1958-59

Meetings were held in the Medical Sciences Building, Dalhousie University, the Arts Building, Dalhousie University, and the Biological Laboratory, Acadia University.

97th Annual Business Meeting, October 20, 1958.

Twelve members were present. In the absence of the President, Dr. J. G. Aldous, the meeting was presided over by the First Vice-President Dr. J. R. Dingle who read the address prepared by Dr. Aldous. The address appears on page 71 of the Proceedings. The Officers presented their reports.

The Treasurer's Report.

Owing to the death of the Treasurer, Dr. A. N. O'Neill, the Treasurer's Report was presented by Dr. J. R. Dingle who reported:

Receipts.....	\$3,125.17
Expenditures.....	3,688.60
Invested Funds.....	1,000.00
Bank Balance, October, 1958.....	1,452.67

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

During the past year, the business of this office has been as usual. It consisted of: mailing out one issue of our Proceedings (Vol. 24, part 2) to all members and the addresses on the exchange mailing list, keeping up-to-date this mailing list, carrying out correspondence regarding exchanges, mailing out of separate issues of the Proceedings upon request and so forth. The most sought after publications are still those of the monograph type, such as, *The Flora of Nova Scotia*, *the Grasses of Nova Scotia*, *the Lepidoptera of Nova Scotia*. Of these, the *Flora*, printed in 1945, is now practically out of stock. It will be necessary to decide soon whether or not it is going to be reprinted or perhaps whether the author should be asked to prepare a second edition.

I should like to mention here that I have always done the work of this office with great pleasure, and if necessary, I shall continue doing it. However, it seems that the time has come to make a slight change in our administrative set-up. It appears to me that the business of the library and of the exchanges could be handled much more effectively by one person

rather than by two. I should like to suggest therefore that consideration be given to fusing the offices of librarian and corresponding secretary and that the officer in charge of the combined office be appointed rather than elected and that this appointed officer be the person actually responsible for this Institute's Library holdings.

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

The most significant event in the year since the last annual report, has been the establishment of a bindery by a Halifax firm—Skerry and Leonard. A skilled binder from one of the Scandinavian countries does the work. The binding program will be continued this year and it is hoped that over seventy-five of the journals of the various societies can be bound. In addition, following the policy of the last few years, several new sets not previously bound, will be added to the list. Possibly the Societe Botanique de Paris, the American Midland Naturalist and the Elisha Mitchell Scientific Society.

The work of checking and correcting the entries of all the storage material is continuing and six Kardex files have been put in the library. Entries by title of all the Institute's holdings will be made. When this is completed a list will be sent to all the members of the Institute. Special double cards have been designed, on which are entered, not only the entries from the old cards, but the history of the society itself and its publications. This involves a great deal of checking in the various Union Lists.

Six double rows of steel shelving have been added to the space in the Attic, to try to relieve the congestion of an ever expanding collection. Each year there are additional exchanges and the need for more space is an ever-present problem.

The collection has been used to a greater extent in the last few years because of the listing of the Institute's holdings in the "Union List of Scientific Serials in Canadian Libraries" and in "New Serial Titles" of the Library of Congress. Frequent interlibrary loans are made to other provinces.

While the number of free exchanges coming to the library continues to expand, each year one or two societies give up the free exchange and request a subscription. The Research Foundation has carried on these subscriptions.

Officers elected for the year 1958-59 were:

President.....	Dr. J. R. Dingle
First Vice-President.....	Dr. W. J. Archibald
Second Vice-President.....	Dr. J. A. McCarter
Treasurer.....	Dr. C. R. Masson
Corresponding Secretary.....	Dr. P. L. Hoogland
Recording Secretary.....	Mr. H. S. Heaps
Editor.....	Dr. L. B. Macpherson
Librarian.....	Miss E. M. Campbell
Council.....	Mr. H. L. Cameron
	Dr. J. H. Greenblatt
	Dr. W. W. Hawkins
	Dr. G. F. O. Langstroth
	Dr. A. D. MacDonald
Auditors.....	Dr. H. L. Bronson
	Dr. H. D. Smith

New Members:

During the year the following new members were proposed and were elected by Council, Ordinary: J. E. Stewart, C. L. Gauvreau, A. J. Tingley, A. H. Houston, P. N. Srivastava, H. Soltan, Dr. Aterman, M. L. Pearce, W. Josenhans, G. B. Weld, W. A. Cochrane, T. J. Painter, J. Berrigan, A. B. Macallum, M. E. Delany, W. N. Watt, B. Larsen, Kathleen J. Blenkhorn.

Student Members: W. D. Watt, Veronika Ruf, Frances L. Goring, N. P. Patterson.

1st Ordinary Meeting, November 10, 1958.

Papers: 1. "The Source and Properties of the Enterolipomieron", by C. B. Weld; 2. "Slide-Rule for Converting Percentages to Mole Fractions", by C. R. Masson; 3. "The Kramer Phenomenon", by J. G. Kaplan, M. Kramer, and M. R. Pollock.

Extraordinary Meeting, November 17, 1958.

Dr. Eugene Hayden, Plant Pathologist of the Rust Prevention Association of Minneapolis, addressed the Institute on "The Relation Between Research in Agriculture and World Food Production".

2nd Ordinary Meeting, December 8, 1958.

Papers: 1. "Collagen of Cod Skin", by E. G. Young and J. W. Lorimer; 2. "A High Intensity Ultrasonic Generator", by J. D. Macpherson; 3. "Microbial Oxidation of Hydrocarbons", by J. E. Stewart.

3rd Ordinary Meeting, January 12, 1959.

Papers: 1. " α - Tocopherol Phosphate as a Blood Anticoagulant and Antilipaemic Agent", by W. W. Hawkins and S. Mookerjee; 2. "Corrosion of Magnesium Alloys Containing Iron and Nickel", by J. H. Greenblatt; 3. "The Varrentrapp Reaction", by R. G. Ackman.

4th Ordinary Meeting, February 9, 1959.

Papers: 1. "Microwave Breakdown in Air at High Altitudes", by A. D. MacDonald; 2. "Changes Occurring in the Fungal Floras of Slime Accumulations in Pulp and Paper Mills", by D. Brewer; 3. "Efficiency of Certain Simple Electrical Filter Circuits", by P. G. Kennedy.

5th Ordinary Meeting, March 9, 1959.

Papers: 1. "Degradative Studies on λ -Carrageenin", by K. Morgan; 2. "Some Aspects of Wood Chemistry," by T. J. Painter.

6th Ordinary Meeting, April 6, 1959.

Joint Meeting with the Valley Chapter. It was held at 7.30 p.m. in the Biological Laboratory of Acadia University.

Papers: 1. "Spectrofluorimetric Analysis of Skin in Vivo", by J. A. McCarter; 2. "Adaptability Studies with Flue Cured Tobacco", by D. C. MacKay; 3. "Pleistocene Geology of the Bridgewater Sheet, N. S.", by R. H. MacNeill.

7th Ordinary Meeting, May 11, 1959.

The prize for the Student Essay Contest was presented to Mr. D. M. Maxwell.

Papers: 1. "Microwave Breakdown in Xenon and Krypton", by G. F. O. Langstroth and A. D. MacDonald; 2. "Interaction Between Kinetin and Indole Acetic Acid in Bud Reactivation in *Splachnum Ampullaceum*", by K. E. von Maltzahn.

PROCEEDINGS OF MEETINGS (VALLEY CHAPTER)

Session of 1958-59

The Valley Chapter held seven meetings.

1st Meeting, November 10, 1958.

Paper: "The Origin of the Turtle *Chrysemys* in Nova Scotia", by S. Bleakney.

2nd Meeting, December 1, 1958.

Paper: "Considerations for Predicting Deciduous Tree Fruit Production", by T. H. Anstey.

3rd Meeting, January 13, 1959.

Papers: 1. "Vortex Rings in Liquids", by R. H. Magarvey and F. K. Chin; 2. "Studies on Depleted Blueberry Land", by I. V. Hall; 3. "Biology of the Predator *Anthocoris Musculus* (say) (Hemiptera: Anthocoridae) and the Influence of Hosts on its Distribution and Abundance", by H. T. Stultz.

4th Meeting, February 2, 1959.

Papers: 1. "Tidal Cycle Photography in the Tiverton Area", by H. Cameron; 2. "Recent Developments in Poultry Breeding and Testing", by F. Proudfoot.

5th Meeting, March 2, 1959.

Papers: 1. "Black Knot on Stone Fruits in Nova Scotia", by C. O. Gowley; 2. "Low Energy Colorimeter", by G. Tillotson.

6th Meeting, April 6, 1959.

Joint meeting with Parent Society.

7th Meeting, May 4, 1959.

Papers: "Mercury Residues on Apple Fruits and Foliage", by R. G. Ross and D. K. R. Stewart; 2. "Oil Possibilities of the Continental Shelf of Nova Scotia", by H. Cameron; 3. "Calyx End Rot of Apples", by J. F. Hockey.