

PROCEEDINGS OF MEETINGS

Session of 1954-55.

(Meetings were held in the Medical Sciences Building,
Dalhousie University, Halifax, N. S.).

93rd Annual Business Meeting, October 18, 1954. (Continued
on November 8, 1954).

The meeting was presided over by the President, Dr. W. J. Chute. Twenty-two members were present.

The President addressed the Institute. The address appears on page 39 of the Proceedings.

Reports of Officers were presented and are summarized as follows:

Treasurer's Report:

Receipts.....	\$ 945.67
Expenditures.....	1,334.95
Total Assets, current account.....	393.82
Total Assets, permanent fund.....	4,000.00

Corresponding Secretary's Report: Business of the corresponding secretary during the last year, was as usual. Thirty seven single issues of the Proceedings were sold as a result of requests. The most sought after papers were: The Marine Fishes of Nova Scotia, The Fresh Water Fishes of Nova Scotia, The Flora of Nova Scotia and the Bird Life of the Grand Manan Archipelago. In addition, one complete set of the Proceedings was sold and two subscriptions for 1954 and following issues were taken.

Nine new exchanges were started and two existing exchanges were discontinued (The Royal Society, and the Royal Society of New South Wales) upon their request.

During the year a list of publications received on exchange was prepared by Miss E. Campbell and Mrs. H. S. Heaps of the Nova Scotia Research Foundation. This list, which has become a twelve page catalogue, contains the names of 407 different publications which are available in the library of the N. S. Research Foundation.

A revision of our exchange mailing list has been started and will probably be completed in 1955.

In the course of the year, copies of Vol. XXIII parts 2 and 3 were forwarded to all members and all exchange addresses.

Editor's Report: Part 2 of Volume XXIII was issued in February 1954. Part 3 of Volume XXIII was issued in October 1954. At the moment there is not sufficient material on hand to warrant publication of Part 4 of Vol. XXIII.

Officers elected for the year 1954-55 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.....	Dr. A. D. MacDonald
Editor.....	Dr. H. R. Chipman
Librarian.....	Dr. L. B. MacPherson
Council.....	Dr. A. I. Goring, Mr. H. S. Heaps, Mr. R. A. Hornstein, Dr. J. G. Kaplan, and Dr. R. W. Reed.
Auditors.....	Dr. H. L. Bronson Dr. E. G. Young

The Annual Report of the Valley Chapter of the Institute was read. This report appears on page 00 of the Proceedings. *1st Ordinary Meeting*, November 8, 1954.

The following new members were announced (elected by Council, October 18, 1954); Ordinary: Sister Mary Evelyn, Sister Mary Lua, A. M. Marko, K. E. von Maltzahn; Student: Mary E. Chipman, Jean A. Knowles, J. E. Phillips, K. R. Rozee.

Papers: 1. "On the Ecologic Significance of Frozen Ground", by D. A. Livingstone; 2. "The Influence of pH upon the Toxicity of Fluoroacetic Acid", by K. R. Rozee and J. G. Aldous.

2nd Ordinary Meeting, December 13, 1954.

The following new members were announced (elected by Council, December 13, 1954); Ordinary: R. F. Brown, O. Cochkanoff, G. Drew, B. L. Fanning, A. S. G. Grant, J. Langis, J. G. MacArthur, D. M. MacDonald, S. J. Mazur, A. Mohammed, P. H. Odense, F. A. Payne, C. L. Piggott, G. R. Slemon, D. G. Smith; Student: D. H. McCurdy, Evelyn Bennett, Sheila MacInnes.

- Papers: 1. "The Plasma Proteins of the Dog in Vitamin B₆ Deficiency", by W. W. Hawkins and E. G. Young; 2. "The Action of Homologous Series of Aliphatic Compounds on the Intracellular Catalase of Yeast", by J. G. Kaplan; 3. "Design for a Shear Deformator", by S. J. Mazur.

3rd Ordinary Meeting, January 10, 1955.

The following new members were announced (elected by Council, January 10, 1955): Student: Shirley Velcoff, J. B. Yeo.

Papers: 1. "Equivalent Electric Circuits for Electromagnetic Machines", by G. R. Slemon; 2. "The Metabolism of 2,2' Dihydroxydiethyl Sulphide and of 2,2' Dichlorodiethyl Sulphide in the Rat", by J. A. McCarter; 3. "Enzymic Identification of Agar and Carrageenin in Marine Algae", by W. Yaphe and B. Baxter.

4th Ordinary Meeting, February 14, 1955.

The following new member was announced (elected by Council, February 14, 1955): Ordinary: E. B. Vaisey.

Papers: 1. "A Pollen Chronology for the Central Brooks Range, Alaska", by D. A. Livingstone; 2. "The Stark Effect in Silver", by C. L. Piggott; 3. "Variation of Viscosity with Rate of Shear for a Polyelectrolyte of High Molecular Weight", by C. R. Masson and D. A. I. Goring.

5th Ordinary Meeting, March 14, 1955.

The following new members were announced (elected by Council, March 14, 1955): Ordinary: R. S. Keir, E. M. Poulson.

Papers: 1. "3,6-Anhydro-D-Galactose as a Constituent of Carrageenin", by A. N. O'Neill; 2. "Flower Development in the Lowbush Blueberry" by H. P. Bell and Jane Burchill; 3. "Vapour-Liquid Chromatography of Carbonyl Compounds", by W. D. Jamieson; 4. "Fractionation of Cod Muscle Albumins by Precipitation with Zinc Ion. I. Adenosine-triphosphate-Creatine Transphosphorylase", by J. R. Dingle and J. M. Neelin.

6th Ordinary Meeting, April 11, 1955.

Papers: 1. "Stresses in an Elastic Foundation under a Loaded Plate", by J. E. Campbell; 2. "The Determination of Morphine in Blood and Tissues", by D. P. MacLeod and J. C. Szerb; 3. "The Trout Population of a Nova Scotia Lake as Affected by Habitable Water, Poisoning of the Shallows and Stocking", by F. R. Hayes and D. A. Livingstone; 4. "A Comparison of the Properties of Various Preparations of Sodium Alginate", by D. L. Vincent, D. A. I. Goring, and E. G. Young.

7th Ordinary Meeting, May 9, 1955.

Papers: "Velocity of Sound in Acetic Acid", by A. D. B. Woods; 2. "A Simple Derivation of the Meson Field Equations", by W. J. Archibald; 3. "The Combined Amino Acids in Several Species of Marine Algae", by D. G. Smith and E. G. Young; 4. "Model Interfacial Systems in the Study of Inter-cellular Catalase", by J. G. Kaplan, M. J. Fraser, and C. E. Harricharan.

Extraordinary Meeting, May 13, 1955.

Professor S. C. Brown of Massachusetts Institute of Technology spoke on "Count Rumford, His Life and Work".

PROCEEDINGS OF MEETINGS

VALLEY CHAPTER

During the year 1954-55, the Valley Chapter of the Institute of Science held five meetings, at which seven papers were presented to the group. The annual business meeting was held on November 1st, 1954, at which officers for the following year were elected as follows:

President: Prof. M. F. Bancroft
Vice-Pres.: Dr. C. J. Bishop
Secretary: Miss L. J. McGowan
Treasurer: Harold T. Stultz
Council Member: Dr. D. J. McCallion

The Chapter had twenty two ordinary members, with Charles Fox, Harold B. Specht, Donald MacKay and N. A. Patterson as new members.

The programs for the meetings were as follows:

- November 1st: Annual business meeting.
D. J. McCallion: "Report on the Hubbrecht Laboratories."
- December 6th: H. L. Cameron: "Applications of Aerial Photography to Historical Research".
- February 7th: Repeat of H. L. Cameron's paper.
I. V. Hall "Effects of Shade on Blueberry Growth".
- March 7th: A. D. Pickett "Some Ideas, Partially Unorthodox, Regarding Insects".
M. F. Bancroft "Occurrences of Uranium".
- April 7th: D. C. MacKay "Soil Maps".
R. F. Bishop "Soil Analysis, Its Values and Limitations".

The annual business meeting of the Chapter was held on November 7th, 1955, in the Biology Building of Acadia University, with President M. F. Bancroft in the chair. Professor Bancroft welcomed the members and spoke briefly on the activities of the Chapter for the past year. He referred to Dr. Hockey's Presidential address at the previous annual meeting, and noted that some of the recommendations made at that time

had been carried out, for instance the presentation of papers of a review nature.

The President then called for reports from the Secretary, Miss L. J. McGowan, and the Treasurer, Mr. H. T. Stultz. These reports were accepted by the members present.

The President asked Dr. E. C. Smith, Mr. Raymond Magarvey, and Mr. H. T. Stultz to act as a nominating committee, and they presented the following slate of officers:

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

Miss McGowan declined the nomination for secretary, and Dr. I. V. Hall was nominated for the office. The Chapter then accepted this revised slate of officers for the coming year.

Since the new President, Dr. Bishop, was not present, Professor Bancroft then introduced the speaker of the evening, Prof. H. L. Cameron, who presented a paper on "Sable Island". The topography of the Island was well illustrated with colored slides, and an interesting discussion followed the body of the paper.

The meeting was then adjourned.