

PROCEEDINGS OF MEETINGS

Session of 1952-53

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

91st Annual Business Meeting, October 20, 1952.

The meeting was presided over by the First-Vice-President, Dr. W. J. Chute. Because of illness, the President, Dr. A. E. Cameron was absent. Twenty members were present.

Reports of Officers were presented and are summarized as follows;

Recording Secretary's Report:

The death of Professor L. C. Harlow was noted to have occurred. The membership was 273, of whom 108 were Ordinary, 86 were Associate and 79 were Student members. There had been one business meeting, seven Ordinary meetings and one Extraordinary meeting during the course of the year. Council met nine times. The Ordinary meetings had been attended by an average of 58 persons with a range of 49 to 71. Twenty-one papers had been presented from ten Departments or Institutions.

Treasurer's Report:

Receipts.....	\$ 913.94
Expenditures.....	196.27
Total assets, current account.....	1,470.74
Total assets, permanent fund.....	4,000.00

Corresponding Secretary's Report.

Several requests for back files of the Proceedings were received and six new exchanges were entered. The total number of exchanges was now 546. The index to the Proceedings was completed and in the hands of the Editor.

Editor's Report:

Part I of Volume 23 of the Proceedings was in preparation. One paper had been submitted for inclusion in Part 2 and the Index to the Proceedings from 1863 to 1950 had been received.

Librarian's Report:

Periodicals belonging to the Institute were now housed in the Library of the Nova Scotia Research Foundation. Additional sets of periodicals had been bound.

Officers elected for the year 1952-53 were:

President.....	Dr. W. J. Chute
First Vice-President.....	Dr. H. D. Smith
Second Vice-President.....	Dr. J. G. Aldous
Treasurer.....	Dr. J. R. Dingle
Corresponding Secretary.....	Dr. P. L. Hoogland
Recording Secretary.....	Dr. J. A. McCarter
Editor.....	Dr. H. R. Chipman
Librarian.....	Dr. R. Foran
Council.....	Dr. D. A. I. Goring, Mr. R. A. Hornstein, Dr. J. G. Kaplan, Dr. J. E. Keyston, Dr. A. D. MacDonald.
Auditors.....	Dr. H. L. Bronson and Dr. E. G. Young

The Secretary read the recommendations of Council regarding the establishment of a Branch of the Institute at Acadia University, Wolfville, N. S. These recommendations were adopted by the meeting.

1st Ordinary Meeting, November 10, 1952.

The following new members were announced (elected by Council, November 3, 1952.); Ordinary members, R. A. Lewin, Ph.D., Joyce Lewin, Ph.D., Wilfred Yaphe, Ph.D., W. W. Hawkins, Ph.D., W. H. Bowes, M.E., Gordon Retallick, Ph.D., L. B. MacPherson, Ph.D.; Student members, G. E. Cheney, B.Sc., G. D. Lutwick, B.Sc., S. M. Tancoo,

B.Sc., G. M. Graham, B.Sc., R. J. McIntyre, B.Sc., J. H. Mathews, B.Sc., E. A. Ripley, D. K. Robinson, E. R. Semple, R. W. Tolmie, A. D. B. Woods and Miss Marion Collie.

Papers: "The Lipemia Clearing Factor Associated with Heparin" by C. B. Weld, Hazel Jones and Gordon Kaplan. "An Objective Aid for Forecasting Zero and Subzero Temperature for Halifax, N. S.," by R. E. Munn and D. G. Snow, "Determination of Carbon of Aqueous Solutions" by M. Civen and J. A. McCarter.

2nd Ordinary Meeting, December 8, 1952.

The following new members were announced (elected by Council December 8, 1952); Ordinary, H. C. Freeman, Miss A. Coffin and Dr. K. F. Gregory.

Papers: "An Instrument of the Solution of Simultaneous Equations", by W. H. Bowes, "The Response of Circulating Eosinophil Cells to Morphine and Related Substances" by J. C. Szerb, "Ultraviolet Irradiation of Ovalbumin Monolayers," by M. J. Fraser and J. G. Kaplan.

Extraordinary Meeting, December 17, 1952.

Mr. P. R. Crewe, Chief Hydrodynamist and Project Engineer of the aircraft firm of Saunders-Roe Ltd., Clowes, England, spoke on the subject "Some Aspects of Flying Boat Research and Development."

3rd Ordinary Meeting, January 12, 1953.

The following new members were announced (elected by Council on January 12, 1953); Ordinary, R. D. Tulloch, Student, Don P. McLeod, B.Sc.

Papers: "The Relativistic Schrodinger Equation" by W. J. Archibald, "Studies on the Metabolism of Procaine Hydrochloride in the Rabbit," by J. G. Aldous, A. S. Wenning and J. D. Levine, "Notes Towards the Estimation of Mortality, Total Population and Use Made of Atlantic Salmon," by F. R. Hayes.

4th Ordinary Meeting, February 9, 1953.

The following new members were announced (elected by Council on February 9, 1953); Ordinary, H. D. Oliver, M.D., H. S. Heaps, F. J. Moya.

Papers: 'An Application of Potential Theory to a Problem in Geophysical Exploration,' by J. E. Blanchard and A. L. Carter, "The Allotropic Forms of Solid Iodine," by D. C. West, and "On the Nitrogenous Constituents of Fucus," by D. G. Smith and E. G. Young.

5th Ordinary Meeting, March 9, 1953.

The following new member was announced (elected by Council on March 9, 1953); Associate, John Perkins.

Papers: "The Infrared Spectrum of the Night Sky," by H. S. Heaps, "Adrenal Function in Pantothenic Acid Deficiency," by W. F. Perry, W. W. Hawkins and G. R. Cumming, "The Transformation of an Enzyme," by J. Gordin Kaplan.

6th Ordinary Meeting, April 13, 1953.

The following new members were announced (elected by Council on April 13, 1953); Ordinary, N. R. Goodman, Ph.D., and M. Evans.

Papers: "An Objective Method of Forecasting Maximum Temperatures Over Snow-covered Terrain," by J. D. Holland, "Velocity of Sound," by G. M. Graham, "Molecular Size and Shape of Carageenin," by D. A. I. Goring.

7th Ordinary Meeting, May 11, 1953.

The following new member was announced (elected by Council on May 11, 1953); Ordinary, R. L. deC. Saunders.

Papers: "The Flow of Nutrients Through the Thermocline in a Lake," by N. R. Beckett, "Effects of Pancreatic Extracts on Ketone-Body Metabolism in Liver Slices," by E. L. Roitman, "Measurement of C¹⁴ in Biological Material," by M. Civen and "Effects of Ultra-violet Light on Solutions of Ovalbumin," by M. J. Fraser.

VALLEY CHAPTER

The Valley Chapter of the Nova Scotian Institute of Science was organized at Wolfville on November 17, 1952. Scientists from the Annapolis Valley region had long felt the need for such an organization and through Dr. McCallion approached the Institute in Halifax regarding the formation of a local branch of the Institute. The conditions stipulated by the Institute were acceptable to the Annapolis Valley group and the Valley Chapter was organized.

Officers of the Chapter were elected as follows:

Dr. D. J. McCallion.....	President
Mr. J. F. Hockey.....	Vice-President
Mr. R. H. Magarvey.....	Secretary
Dr. F. H. Sexton.....	Treasurer
Miss Elizabeth MacMillan.....	Member of Council

The Thirty-five Charter members of the Chapter consisted of two life members, twenty-two ordinary members and eleven student members. A constitution was drawn up by the Council according to the conditions laid down by the parent body in Halifax. The members of the local Chapter enjoy the same rights and privileges as those of the Institute in Halifax.

Six ordinary meetings were held during the winter with one paper presented at each meeting. The titles of these papers with date of presentation is given below:

December	1, 1952—	Tumours of the Amphibia, by D. J. McCallion.
January	5, 1953—	Structural Geology of Nova Scotia, by H. L. Cameron.
February	2, 1953—	Ecology of Sable Island, by John Erskine.
March	2, 1953—	Fleshy Fungi of King's County, by K. A. Harrison.
April	13, 1953—	The Geology of Cape D'Or, by M. Bancroft.
May	4, 1953—	Fertility in Relation to Precipitation.