

# PROCEEDINGS OF MEETINGS

Session of 1953-54.

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

*92nd Annual Business Meeting, October 26, 1953.*

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

The President addressed the institute. The address appears on page 409 of the Proceedings.

Reports of other officers were presented and are summarized as follows:

## Treasurer's Report:

Receipts.....	\$ 921.30
Expenditures.....	1,608.94
Total assets, current account.....	785.82
Total assets, permanent fund.....	4,000.00

*Corresponding Secretary's Report:* During the past year there was a large number of requests for back numbers of the Proceedings. Back numbers prior to Volume IX were now out of stock. Volume XXII, Part 1, and the Cumulative Index had been mailed.

*Editor's Report:* Volume XXIII and the Cumulative Index had been published and distributed. Part 2 was now in the gallery stage. This was a large number and publication was expected sometime in 1954.

## Officers elected for the year were:

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

*1st Ordinary Meeting, November 16, 1953.*

The following new members were announced (elected by Council. November 2nd, 1953). Ordinary: Ian MacLean, M.A., D. Simpson, B.A. Sc., William Bridgeo, Ph.D. Student: Verna Cornick, Byran Reid, Maxine Holder, Robert Agnew.

Papers: 1. "The Interpretation of the Tuberculin Test" by C. B. Stewart; 2. "The Relation of Protein to the Chylomicron" by C. B. Weld; 3. "An Epidemic of Acute Nephritis", by R. W. Reed.

*Extraordinary Meeting, December 3, 1953.*

Dr. C. H. Mortimer, hydrologist for the Freshwater Biological Association in Lake Windermere, spoke on "Hydrobiological Research in Britain."

*2nd Ordinary Meeting, December 14, 1953.*

The following new members were announced (elected by Council December 14, 1953). Ordinary: J. M. Neelin, Nicholas Nementy, R. P. Chapman, C. R. Mann, F. A. A. Fergusson, S. Barton, A. F. MacMillan. Students: Joan F. B. Cahill, D. P. MacLeod, Y. K. Paik.

Papers: "Evidence for the Role of Reduced Sulphur Compounds in Silicon Utilization by Diatoms", by Joyce Lewin; 2. "An Appraisal of Canadian Nutriture", by E. Gordon Young; 3. "Some Local Temperature Variations in Halifax", by Reid V. Dexter; 4. "Dikaryons in *Chlamydomonas moewusii*", by Ralph A. Lewin.

*3rd Ordinary meeting, January 11, 1954.*

The following new members were announced (elected by Council January 11, 1954); Ordinary: D. L. Vincent; Student: H. Bradford, J. D. Lynch, D. Santry.

Papers: 1. "Viscosity and Molecular Weight of Degraded Carageenin", by C. R. Masson and C. W. Caines; 2. "The Variation of Haemoglobin Level with Age and Sex," by W. W. Hawkins, E. Speck and Verna G. Leonard; 3. "Experimental Nephritis Due to Type Specific Streptococci" by R. W. Reed and B. H. Matheson.

*4th Ordinary Meeting, February 8, 1954.*

The following new members were announced (elected by Council February 8, 1954). Ordinary: E. B. Vaisey, W. R. C. Tupper.

Papers: 1. "Effects of Visible Radiation on the Ovaries of the Slug, *Dercoeras Reticulatum*" by D. Pelluet and N. E. Henderson; 2. "Diffraction of an Acoustical Wave Obliquely Incident on a Plane Obstacle" by H. S. Heaps; 3. "Expansion of Monomolecular Films of Protein", by J. G. Kaplan and M. J. Fraser.

*Extraordinary Meeting, February 22, 1954.*

Dr. D. Roy Cameron, O.B.E., formerly Dominion Forester and recently connected with the Food and Agricultural Organization of the United Nations in Europe, spoke on "Post-War Development of Forestry in Europe."

*5th Ordinary Meeting, March 8, 1954.*

Papers: 1. "Fundamental Particles in the Cosmic Radiation", by J. G. Retallack; 2. "Purification of Lecithin", by L. B. MacPherson.

*6th Ordinary Meeting, April 12, 1954.*

Papers: 1. "Organo-Analytical Reagents—Aromatic Hydroxylamines", by G. S. Lutwick and D. E. Ryan; 2. "The Gel Strength and Optical Activity of Carageenin", by D. A. I. Goring; 3. "Slide Culture of Tubercle Bacilli", by R. W. Reed.

*7th Ordinary Meeting, May 3, 1954.*

Papers: 1. "Age Determination of a Submerged Tree Stump by Carbon 14 Analysis", by A. L. Carter; 2. "Position Annihilation in Metals", by R. E. Green and A. T. Stewart; 3. "A Kinetic and Thermodynamic Study of Intracellular Yeast Catalase", by M. J. Fraser.

*Extraordinary Meeting, May 25, 1954.*

Dr. J. H. Schulman of the Ernest Oppenheimer Laboratory, Cambridge, addressed the Institution on "Molecular Interactions and Associations at Solid/Liquid Interfaces with Special Reference to Flotation."

## VALLEY CHAPTER

During the year 1953-54, the Valley Chapter of the Nova Scotian Institute of Science held a total of six meetings, usually on the first Monday of the months from November to April, and a total of seven papers were presented to the Chapter. At the annual business meeting for 1953-54, the following officers were elected:

President.....	Dr. J. F. Hockey
Vice-President .....	Prof. M. F. Bancroft
Secretary.....	Miss Joan McGowan
Treasurer.....	Dr. F. H. Sexton
Council Member.....	Miss E. MacMillan

Membership consisted of twenty-five ordinary members, one honorary and one life member, and one student member. L. E. Aalders, a former student member, became an ordinary member, and new members included C. A. Eaves, W. A. Draper, Mrs. J. S. Erskine, Miss L. J. McGowan, Dr. I. V. Hall, and Mrs. I. V. Hall.

The titles of the papers presented are as follows:

- "Use of Taste Panels in Variety Testing", by G. W. Hope.
- "Further Observations on the Fleishy Fungi of Kings County", by K. A. Harrison.
- "The Ecology of St. Paul Island", by J. S. Erskine.
- "Manganese Occurrences in Nova Scotia", by M. F. Bancroft.
- "Plant Succession after Cutting and Burning of a Woodlot", by I. V. Hall.
- "Deeply Weathered Granite in Nova Scotia," by R. H. MacNeill.
- "Hormones in Horticulture", by C. A. Eaves.

On November 1st, 1954, the annual business meeting was held, at which the following officers were elected for 1954-55:

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

The reports of the retiring President and Treasurer are enclosed. Following the business meeting, Dr. D. J. McCallion addressed the group on the organization and history of the Hubrecht Embryological Laboratories, where he has spent some months as a member of an International Research group.

## VALLEY CHAPTER

### Presidential Address

J. F. Hockey

Ladies and Gentlemen:

It is a pleasure to welcome you to the second annual meeting of the Valley Chapter of the Nova Scotian Institute of Science.

During the past year we have had the privilege of enjoying the seven contributions of members engaged in biological or geological investigations. The papers were well received and discussed. Abstracts have been forwarded by the Secretary to the Institute office in Halifax.

The Treasurer's report will show the nature of our financial stability.

Your Council at a May meeting reviewed the sessions of the past year and suggested that some recommendations might be passed to the incoming Council and members.

1. Consideration be given to the presentation of papers of a review nature, summarizing recent work in a specialized field.
2. Critiques of some outstanding scientific papers would make interesting subjects.
3. Acceptable short papers could be presented on special techniques, short term projects, or such material as is frequently found published as "notes" or "brief articles" in some of our scientific journals.

The Council fully appreciates the apparent competition that prevails between our Institute and the Seminar groups both at Acadia and at Kentville. However, we feel that there

is plenty of room for both, provided encouragement is given to authors to present his or her paper to the most appropriate audience. The experience gained in the presentation of a paper on one's work stimulates the self-confidence of the worker. We hope that more papers will be forthcoming from our members during the next year.

Please accept my sincere thanks for the honor and privilege of serving as President of this chapter for the past year. The wholehearted co-operation of the officers and members has made the holding of this office a pleasant and profitable experience.

### VALLEY CHAPTER

Report of the Treasurer for the year 1953-54.

#### Receipts

Annual dues of 25 ordinary members.....	\$ 50.00
Annual dues of 1 student member.....	1.00
Bank Interest.....	.46
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	\$ 51.46

#### Expenditures

Remittance of one half dues to N. S. Institute of Science.....	25.50
Miss Joan McGowan, postage, supplies, etc.....	5.00
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	30.50
Total Receipts.....	\$ 51.46
Total expenditures.....	30.50
Bank balance from 1952-53.....	59.52
Bank balance, Royal Bank of Canada.....	80.48