

PROCEEDINGS OF MEETINGS

Session 1966 – 1967

105th Annual Business Meeting. May 16, 1966, by resolution of Council of December 13, 1965. The meeting was presided over by the President, Dr. C. R. Masson, who delivered the following address (abbreviated).

The past year has seen a number of changes in the affairs of the Institute. The Medical Sciences Building of Dalhousie University was finally abandoned in favour of the Sir James Dunn Science Building as our regular place of meeting.

The practice of reading minutes of a routine nature at ordinary meetings was discontinued; unless special business is transacted, these minutes are now read and approved in Council. The availability of coffee at the meetings has further served to promote informality and to stimulate discussion.

The most important single change has been in the selection of papers presented at ordinary meetings. An attempt has been made to choose papers which have been considered of interest to a reasonably broad cross-section of the membership. The selection of such papers, as distinct from papers of a more specialized nature, was regarded as being in keeping with the interdisciplinary character of the Institute and with our aim of promoting discussion and interchange of ideas between scientists in various fields.

The response of the members to this type of programme has been encouraging. The average attendance at Ordinary meetings was 49 and at Extraordinary meetings 128. Of the five Extraordinary meetings which were held, three were sponsored jointly with Dalhousie University as part of the University's programme for the commemoration of International Co-operation Year. These meetings were addressed by Prof. J. Tuzo Wilson and attracted an average audience of 175 persons.

Seven Ordinary meetings were held, at which 12 papers were presented. The fields of research and the affiliations of the various speakers are summarized as follows:

Biology 3	Dalhousie University 6
Chemistry 3	National Research Council 2
Physics 2	Fisheries Research Station 1
Biochemistry 2	Naval Research Establishment 1
Geology 1	Department of Mines 1
Archaeology 1	Valley Chapter 1

As in previous years, our meeting in April was held jointly with the Valley Chapter. This meeting was preceded by an informal buffet supper in the Men's Residence, Dalhousie University. Approximately 50 members and guests attended.

A further innovation during the year was the decision to hold the Annual Business Meeting in May, rather than October. In line with this change the financial year now terminates on April 30th.

At the last Annual Business Meeting it was recommended by the Committee of Past Presidents that a change be made in the method of bringing in a new slate of officers. This recommendation was accepted by Council and a further change in the By-Laws was made whereby this duty will in future be performed by a Nominating Committee chosen by Council at least two weeks before the annual business meeting. This committee shall consist of three members who shall be life members or ordinary members in good standing, and it shall be the responsibility of the committee to ensure that those nominated are prepared to accept office.

The decision was made by Council to draw up a list of members of the Institute as of April 30, 1966, and to incorporate this as part of the next issue of the "Proceedings". It was agreed that this list be distributed to the membership in the form of a preprint. This list will be available to all members in the near future.

Twelve ordinary members were elected to the Institute during the year. No new student members were proposed. It is unnecessary to comment that this is a cause for concern and that every effort should be made to encourage the participation of students in our activities.

Before concluding this brief survey of the year's activities, I wish to revert for a few moments to the main activity of the Institute, which is the holding of our regular monthly meetings. The experience of the past year has indicated that, if the topics selected for these meetings are sufficiently broad in character and of seemingly general scientific interest, a good attendance is assured and discussion is stimulated. The conclusion which seems to emerge is that we should aim primarily towards the more general type of presentation with, perhaps, an agenda which is not too heavily loaded.

The selection of papers which suit our purpose, however, is by no means an easy task and involves a degree of judgment on the part of Council which is to a large extent subjective. Every effort should be made to maintain a high standard of scholarship and scientific quality in the papers presented at our meetings. This is not incompatible with clarity of presentation and with the policy of selecting papers of broad significance. The presentation of a paper at a meeting of the Institute should imply, in some degree at least, a measure of recognition for the author by his colleagues in the community.

Last year, the Council made provision in the By-Laws to allow expenses for visiting speakers. The number of papers available locally this year was such that the holding of further meetings was not considered advisable.

Several of the changes which have been adopted during the current year have stemmed, directly or indirectly, from the proposals introduced last year by the Committee on the Role of the Institute in the Scientific Community. We are indebted to the members of this Committee for their valuable advice. I particularly wish, in conclusion, to express my thanks to the members of the Council who have carried on the work of the Institute during the year and whose cooperation and support have made my own duties so pleasant and easy to perform during the past twelve months.

The Treasurer, P. Odense, reported

Receipts.....	2,814.14
Expenditures.....	675.62
Permanent Fund.....	529.62
Total assets as of May 2, 1966.....	\$6,508.94

The Editor, H. S. Heaps, reported Volume 26, Part 2, inclusive of "The Flora of Nova Scotia" Part I, was in page proof and would cost about \$4700.

The Librarian, Miss E. M. Campbell, reported that interlibrary loans have doubled in the past two years. Moving the library has been deferred for a year.

Officers elected for the year 1966-67 were

President.....	W. J. Dyer
First Vice-president.....	J. G. Retallack
Second Vice-president.....	H. B. S. Cooke
Secretary.....	W. D. Jamieson
Treasurer.....	P. H. Odense
Editor.....	H. S. Heaps
Council – E. L. Cameron, M. L. Cameron, W. L. Ford, W. E. Jones, A. C. Neish	
Auditors.....	J. R. Dingle J. E. Stewart

Meetings and communications during the year were as follows.

1st Ordinary Meeting, October 24, 1966

"Carbon and the oceans" by G. A. Riley and P. J. Wangersky.

2nd Ordinary Meeting, November 14, 1966

"The role of the microfungi in diseases of animals" by A. Taylor.

3rd Ordinary Meeting, December 12, 1966

"A talk about talk" by M. W. Thistle, National Research Council, Ottawa.

4th Ordinary Meeting, January 9, 1967

"Enzymes in virus-infected cells" by C. W. Helleiner.

Extraordinary Meeting, January 26, 1967 (in conjunction with the Royal Astronomical Society of Canada)

“The Mount Kobau National Observatory” by J. H. Hodgson, Director, Observatories Branch, Department of Energy, Mines and Resources, Ottawa.

5th Ordinary Meeting, February 13, 1967 (in conjunction with the Canadian Society of Microbiologists)

“25 Years of antibiotics or are new antibiotics needed?” by D. Perlman, Department of Biochemistry, University of Wisconsin.

Extraordinary Meeting, March 7, 1967 (jointly with the Mining Society of Nova Scotia)

“Element three” – a film prepared by the National Film Board for the International Hydrological Decade, 1965-1974.

6th Ordinary Meeting, March 13, 1967

(1) “Direct investigation of thin-layer chromatograms by ultraviolet reflectance spectroscopy” by R. W. Frei, (2) “Production, measurement and analysis of the electronic spectra of the NF and NCl radicals” by W. E. Jones.

7th Ordinary Meeting, April 10, 1967 (with Valley Chapter)

(1) “The Flora of Nova Scotia” by R. E. Roland, (2) “Fossil elephants from the continental shelf off Nova Scotia” by F. C. Whitmore Jr., K. O. Emery, H. B. S. Cooke and D. J. P. Swift.

8th Ordinary Meeting, May 8, 1967

(1) “Aspects of insect neuro secretion” by J. Percy, (2) “Bonding in transition metals” by S. R. Baig, (3) “Transport properties of metals at low temperatures” by A. M. Simpson.

106th Annual Business Meeting, May 15, 1967

The meeting was presided over by the President, Dr. W. J. Dyer, who delivered the following address (abbreviated).

It is customary for the President to report briefly on the year's progress. I am happy to welcome 12 new members. Unhappily, we have lost two of our members by death, Dr. C. M. Goethe and Dr. J. McPherson. Dr. Goethe, who died at the age of 91, was an

Honorary Life Member from California, a well known philanthropist and conservationist, who in later years took a considerable interest in various scientific societies, of which our Institute was one. Dr. James McPherson, a promising young research worker, died on June 14 at the age of 33. He was a graduate of Imperial College, London, a National Research Council postdoctorate Fellow at Dalhousie University, and was head of the Acoustics section at the Naval Research Establishment in Dartmouth. His research interests were in acoustic propagation and reverberation in shallow water.

At the 7 ordinary meetings the average attendance was 36. There were 3 papers each in Chemistry and in Biochemistry, 2 each in Biology and in Oceanography, and one each in Physics, Geology and the Philosophy of Science. There was also an Extraordinary meeting dealing with Astronomy and one with Aristotle's Element Three. The Valley Chapter is flourishing and the tradition of a Joint Meeting was continued. In most meetings there has been very animated discussion and experience this year favors continuance of the policy of programs of general interest with one or two specialists exploring an area in a particular field including its relation to other sciences and to the welfare of society. The philosophical aspects of scientific endeavor should not be neglected, nor should the machinery of putting scientific knowledge to use in society.

I wish to thank the Officers, Council and Members for their support during the year and wish the Institute every success in the years ahead.

The Treasurer, P. Odense, reported

Receipts.....	838.90
Expenditures.....	4,345.29
Permanent Fund.....	529.62
Total assets, as of May 6, 1967.....	\$3,002.55

The Librarian, Miss E. M. Campbell, reported approximately 500 copies of the current number of the Proceedings have been mailed to institutions on our exchange list. This number has been included in the Cumulative Book Index as of wide significance. The scientific journals in the Library will be listed in the revised edition of the Union List of Scientific Serials in Canadian Libraries to be issued shortly by the National Research Council.

Officers elected for the year 1967-68 were

President.....	H. B. S. Cooke
First Vice-president.....	J. H. Greenblatt
Second Vice-president.....	A. C. Neish
Secretary.....	N. Cuthbertson

Treasurer.....	M. Falk
Editor.....	E. G. Young
Council - R. G. Ackman (replaced by W. L. Ford), M. L. Cameron, C. W. Helleiner, W. E. Jones, A. G. McInnes, P. J. Wangersky	
Auditors.....	W. J. Chute J. E. Stewart

PROCEEDINGS OF MEETINGS

(Valley Chapter 1966 - 1967)

1st Ordinary and Annual Business Meeting, October 3, 1966

Officers elected for the year 1966-67 were

President.....	H. T. Stultz
Vice-President.....	F. R. Forsyth
Treasurer.....	D. Webster
Secretary.....	Miss H. J. Herbert
Councillor.....	D. Grund

“Attenuation of sound over a snow-covered field” by J. G. Tillotson.

2nd Ordinary Meeting, November 7, 1966

(1) “Strawberry nutrition studies” by R. Blatt, (2)
“Heteroaromatic boron compounds” by B. Robinson.

3rd Ordinary Meeting, December 5, 1966

(1) “Studies in the physiology of plant pathogens with special reference to tomato leaf mold” by T. Curren, (2)
“Pollution - symbolic of our times” by N. Van Nostrand.

4th Ordinary Meeting, January 9, 1967

(1) “Research leading to the safe use of herbicides” by M. T. Ragab, (2) “A solid-state electron spin resonance study of photolyzed H₂S, D₂S and H₂S₂” by D. Stiles.

5th Ordinary Meeting, February 6, 1967

(1) "Activity of free-ranging Rhesus monkey" by W. Draper, (2) "Diseases of insect pests of apple in Nova Scotia" by R. P. Jaques

6th Ordinary Meeting, March 6, 1967

(1) "Lactation following thoracotomy: a report of this rare complication" by J. J. Quinlan, (2) "Erythema nodosum: an unusual manifestation of various diseases" by H. M. Holden, (3) "Staphylococci in the patient's nose and throat pre-operatively related to post-operative staphylococcal wound infection" by J. J. Quinlan.

7th Ordinary Meeting, April 10, 1967 (jointly with parent society)

(1) "The flora of Nova Scotia" by A. E. Roland, (2) "Fossil elephants from the continental shelf off Nova Scotia" by F. C. Whitmore Jr., K. O. Emery, H. B. S. Cooke and D. J. Swift.