

PROCEEDINGS OF MEETINGS

Session 1964 - 1965

103rd Annual Business Meeting, October 19, 1964

The meeting was presided over by the President, Dr. J. A. McCarter, who delivered the following address.

The annual meeting of the Institute allows us to take time to look back over the preceding year to see what has been accomplished and what remains to be accomplished. It also provides a time for looking forward.

During the past year, perhaps the most notable achievement was that the financial position of the Institute was made secure due to the fact that the Province of Nova Scotia increased its annual grant from \$500 to \$2,000. I am happy to report that the grant has been renewed for this year. These grants will be used chiefly for the publication of the Proceedings. While we rejoice that the grant has been renewed, we must at the same time remain aware that renewal is not automatic but depends on an annual application to the government stating the financial needs of the Institute. We must, therefore, retain a vigorous program of publication of articles of high quality in order to justify the continued support of the provincial government.

In this connection it may not be amiss to recall that Dr. W. J. Archibald in his address to the 101st annual meeting stated "the time may be upon us when we should widen the scope of our acceptances. Perhaps we should become very systematic . . . publish accurately on time, accept a number of shorter articles for each issue, encourage the local Institutes and Universities to submit a larger fraction of their research output and give them a generous supply of reprints at a nominal cost". These suggestions have not received the serious consideration that they should have been given, largely because funds were so limited that it was difficult for the Council to see how to deal effectively with present problems. Now, the situation has changed and new policies and projects can be considered.

It is, of course, a difficult thing that the Institute does in publishing a journal. Many societies with much larger membership never take on the large responsibility that the Institute accepted long ago, yet it is probably true to say that the Proceedings represent the work of the Institute that is of the greatest and most lasting value.

The other notable achievement was that the format of the ordinary meetings was changed. At each of six meetings, we were privileged to hear an invited speaker review his particular research problem and his work in relation to it at somewhat greater length than was customary.

These presentations were found to be of such interest that your Council decided to continue the program for another year. Shortly, a list of invited speakers for the present year will be circulated to all

members. We hope that interest in the program will grow and that a larger number of persons interested in science will take advantage of these opportunities to hear about studies now in progress in various laboratories in Nova Scotia.

These invited papers have not supplanted shorter, submitted papers. It must be admitted, however, that the number of the latter was smaller last year than usual, and it was more difficult to obtain such submissions. This difficulty seems to reflect the lack of enthusiasm for the work of the Institute which has, I think, become evident as the number of research workers in the area has increased. This anomaly was commented upon last year. One would have thought that the Institute was providing a forum where an investigator might derive considerable benefit from presenting his data for critical and helpful comment. However, the specialized nature of research, and the fact that our members come from a variety of disciplines, apparently lie at the root of the reluctance of investigators to submit their work to us. Most of us would agree that there is a need for a forum, but it seems that many do not regard the Institute's meetings as suitable for this purpose. Instead, one finds other groups being organized where experts can talk with experts without having to spend time and effort in preparing the background for broader comprehension. This is a fact of modern life which must be considered by the Institute, and somehow solved if it is to survive. The recruitment of new members depends upon offering something valuable to the recruits, and the Institute must look carefully at its functions and duties so as to continue to serve science effectively.

It is sad to report that the Institute lost by death, Dr. G. O. Langstroth, Superintendent of the Naval Research Establishment, Dartmouth.

Lastly, I wish to thank the members of Council for their support during my term as President, and I know that you thank them for their continued service to the Institute.

The Treasurer, E. L. Cameron, reported

Receipts.....	3,338.71
Expenditures.....	1,856.03
Permanent Fund.....	489.62
Total assets as of Nov. 6, 1964.....	\$4,501.30

The Editor, H. S. Heaps, reported Volume 25, Part 4, was published in March, 1964, and Volume 26, Part 1, in October, 1964. Volume 26, Part 2, will be dated 1963-64 and will contain Part I of the "Flora of Nova Scotia" by E. C. Smith and A. E. Roland. *The Librarian, Miss E. M. Campbell, reported* about 500 copies of the current number of the Proceedings have been mailed to addressees on our list of exchanges. Work on a complete index of the Proceedings is in progress.

Officers elected for the year 1964-65 were

President.....	C. R. Masson
First Vice-president.....	W. J. Dyer
Second Vice-president.....	J. G. Retallack
Secretary.....	E. H. Anthony
Treasurer.....	P. Odense
Editor.....	H. S. Heaps
Council	H. B. S. Cooke, W. E. Jones, A. D. Mac-
	Donald, C. R. Mann, A. C. Neish
Auditors.....	A. E. Cameron,
	J. R. Dingle

Meetings and communications during the year were as follows.

1st Ordinary Meeting, November 9, 1964

(1) "Marginal sediment facies of the Minas Basin" by D. J. P. Swift, (2) "Adrenocortical hormones in fish" by D. R. Idler.

2nd Ordinary Meeting, December 14, 1964

(1) "Some studies in the syntheses of pyrrole derivatives" by D. M. McKinnon, (2) "Biogenesis of two antibiotics: chloramphenicol and actinomycin" by L. C. Vining.

3rd Ordinary Meeting, January 11, 1965

(1) "Viscosimetric study of the denaturation of deoxyribose nucleic acid" by J. A. McCarter, (2) "Research in low-temperature physics" by E. W. Guptill.

Extraordinary Meeting, January 27, 1965

"Alumina to metal" by M. Coll-Palagos.

4th Ordinary Meeting, February 8, 1965

(1) "The preparation and properties of thin electro-deposited foils of nickel-iron alloys" by E. M. Levy, (2) "The corrosion of aluminum alloys in high temperature water" by J. H. Greenblatt.

5th Ordinary Meeting, March 8, 1965

(1) "The chemistry of an unusual phenolic constituent of the red alga, *Polysiphonia lanosa*" by J. H. Hodgkin, (2) "Thermal decomposition of barium titanate oxalate" by F. Brisse. (3) "Association, distribution and number of micro-organisms in marine environments" by E. H. Anthony.

6th Ordinary Meeting, April 12, 1965 (with Valley Chapter)

(1) "Studies of lobster physiology and defense against disease" by J. E. Stewart, (2) "Alkaloids from *Nuphar variegatum*" by R. Barchet, (3) "Diet and cardiovascular disease" by J. M. R. Beveridge.

7th Ordinary Meeting, May 10, 1965

(1) "Kinetics of the copper-catalysed hydrogenation of ethylene" by Diana T. Messervey, (2) "Some observations on Hudson's Isorotation Rules" by T. McEwan, (3) "Some aspects of the catalytic decomposition of nitrous oxide" by T. E. C. Hogan.

PROCEEDINGS OF MEETINGS

(Valley Chapter 1964-1965)

1st Ordinary and Annual Business Meeting: October 5, 1964

Officers elected for the year 1964-65 were

President.....	I. Hall
Vice-President.....	F. Bent
Treasurer.....	H. Specht
Secretary.....	H. T. Stultz
Councillor.....	E. Hiltz

(1) "Lithofacies in the Miller limestones" by R. G. Moore, G. Crowell, D. MacDonald and M. Waring, (2) "Bryozoa from the intertidal zone of the Minas Basin and Minas Channel, King's County, N. S." by G. D. Crowell, (3) "A study of the basal members of the Horton bluff formation, King's County, N. S." by R. G. Moore, J. Amos, P. Brown, G. Crowell, T. Hennigar, P. von Bitter and M. Waring, (4) "The Foraminifera of the intertidal zone of the Minas Basin at Kingsport, N. S." by M. Waring, (5) "The copper (2) syn-phenyl-2-pyridyl ketoxime system" by T. Meek, Jr.

2nd Ordinary Meeting, November 2, 1964

(1) "Impressions of horticultural research in Scotland" by D. L. Craig, (2) "Observations on the fungus flora of Idaho" by K. A. Harrison.

3rd Ordinary Meeting, December 7, 1964

(1) "Groundwater hydrology potential of the Annapolis Valley" by T. Hennigar, (2) "Some observations of bird behaviour in Australia" by R. MacLellan.

4th Ordinary Meeting, January 4, 1965

(1) "Beavy studies in Nova Scotia" by N. Van Nostrand, (2) "Present trends in Meteorology" by L. Foster.

5th Ordinary Meeting, February 1, 1965

(1) "Nutritional studies with pitch pine" by R. Blatt, (2) "Studies of the economic status of Nova Scotian wildcats, foxes and racoons" by H. F. Lewis.

6th Ordinary Meeting, March 1, 1965

(1) "Pigment production in pathogenic and non-pathogenic mycobacteria" by A. Patterson, (2) "Biopsy of the pleura: a new diagnostic aid" by E. W. Crossan, (3) "Lung cancer at the N. S. Sanatorium" by J. J. Quinlan.