

**PROCEEDINGS OF MEETINGS**  
**Session 1971 - 1972**

Meetings and communications during the year were as follows:

**1st Ordinary Meeting, 4 October 1971**

“Can you take the pulse of parsnips?”, D. Fensom, Mount Allison University.

**2nd Ordinary Meeting, 8 November 1971**

“Advances in quantitative chromatography as applied to pollutants”  
R.W. Frei, Dalhousie University.

**3rd Ordinary Meeting, 13 December 1971**

“Darwin, Haeckel and the Origin of Life”, J. Farley, Dalhousie University.

**4th Ordinary Meeting, 4 January 1972**

“Seaweeds, sea urchins and lobsters”, K.H. Mann, Bedford Institute of Oceanography.

**5th Ordinary Meeting, 14 February 1972**

“Studies on lunar dust”, A. von Volborth, Dalhousie University.

**6th Ordinary Meeting, 13 March 1972**

Affinity chromatography in the purification of biochemical substances”,  
I. MacDonald, Dalhousie University.

“Research in chemical lasers”, T.L. Pollock, Dalhousie University.

“The codworm problem in the Maritimes”, G. McLelland.

**7th Ordinary Meeting, 10 April 1972 (jointly with the Valley Chapter, in Halifax)**

“The permeability of fruit tissues to gases”, F. Forsythe, Agricultural Research Station, Kentville.

“Genetics and biochemistry in tuberculosis treatment”, D.W. Russell, Dalhousie University

**8th Ordinary Meeting, 8 May 1972**

“Oyster culture in Nova Scotia”, R. Drinnan, Bedford Institute of Oceanography.

**111th General Meeting, 17 May 1972**

The President, Dr. W.E. Jones, was in the Chair and delivered the following address.

As most Past Presidents have done when preparing their annual reports, I read over the comments made at earlier Annual General Meetings. The problems of membership, attendance, finances and style of meeting have been with us for a number of years. A number of approaches have been made to each problem with varying degrees of success. The outcome seems to be a rather stabilizing effect on the overall impetus of the Institute. It seems now that only by some major drive or influence on the part of each individual member will increase in any of the functions of the Institute result.

To date for this year the Ordinary paid-up members number 84, of these 4 are new members with 17 members 1 year in arrears. There are 28 Associate Members paid up, with 11 in arrears. At this time last year the numbers paid up were: Ordinary Members 96, Associate Members 37. There are no Student Members. We have 11 paid-up Institutional Members with 15 in arrears as compared to 21 paid-up last year.

Our meetings during the past year followed the established policy of single invited papers, followed by informal coffee sessions. Of the 8 ordinary meetings two varied from this format. The sixth ordinary meeting consisted of three papers presented by post-doctoral fellows and students of Dalhousie. The seventh ordinary meeting was our joint meeting with the Valley Chapter at which two papers were presented. The attendance at the meetings varied from 16 to 55 with an average of 36. One speaker, Professor D.S. Fensom, was invited from our sister province, New Brunswick, to be the special lecturer for our opening meeting. Unfortunately, because of a number of conflicting events, only 16 were present to hear one of our most interesting and entertaining speakers. Partly because of the very poor turnout at this meeting, your Council approved the preparation by the Secretary of large posters of various colours to display future meetings of the Institute. I believe that these posters, placed by members in conspicuous places in the scientific buildings, were of considerable importance in improving attendance at the following meetings of the year. I further feel that these notices aroused an interest in many non-members of the Institute. On several occasions I was approached after meetings and asked questions like: "What is the Institute? What are its aims and how does one become a member?" I feel that this is an indication of one area where each member has a responsibility which many of us are not fulfilling — that of contacting new people and arousing their interest in the Institute.

The topics discussed at the ordinary meetings were varied in scope and institute of origin. The areas and places of origin were:

Biology .....	1
Biochemistry .....	2
Chemistry .....	2
Geochemistry .....	1
History of Science .....	1
Agricultural Research Station Kentville .....	1
Dalhousie University .....	6
Department of Fisheries, Bedford Institute .....	1
Marine Ecology Lab — Bedford Institute .....	1
Mount Allison University .....	1
NRC — Dalhousie .....	1

Our joint meeting with the Valley Chapter was held in the new Biology Building of the Life Sciences Center, Dalhousie. It was preceded by a reception in the top floor lounge where all enjoyed a visit to the greenhouses and a magnificent early evening view of the North West Arm. The reception was followed by a buffet dinner in the lounge.

Forty eight members and guests were present for the dinner, talks and tour of the Psychology, Oceanography and Biology sections of the Center.

The Institute has been honoured this year to have been asked to publish as part of its Proceedings, the communications which will be presented at the Symposium on the topic "*Chondrus crispus*" to be held in conjunction with the annual meeting of the Canadian Botanical Association and the Canadian Society of Plant Physiologists later this year in Halifax. Financial grants to assist in this publication have been received from a number of sources.

Our treasurer has given you a summary of our financial position. He has pointed out to your Council several times during the past year that a future Council may soon have to consider an increase in fees in order to maintain the Institute. This is perhaps not unexpected, since, despite increasing costs, an increase in membership fee has not occurred for a number of years.

Considering that no extraordinary meetings were held during the past year, our average attendance of 36 ranks well with the averages of 42, 40, 40 and 35 given for the years '67-'68, '68-'69, '69-'70 and '70-'71, indicating a stabilization in attendance. The membership figures show a discouraging decrease in interest.

The stabilization in attendance, the decrease in overall membership, the small interest shown by possible new members and the increased need for funds makes one ponder the outcome of present trends. It seems regrettable to me that the second largest scientific community in Canada, much of whose growth has occurred in the past ten years, has an Institute of Science whose growth over the same period has been stagnant or on the decrease.

I feel that it is the responsibility of every member in good standing to foster in his fellow scientists a knowledge of and interest in the Institute. If we are not able to do this in order to obtain new members and new ideas the inevitable will occur.

I wish to thank all members of Council who have been so helpful throughout the past year. A special thanks is due to our Secretary for the time and effort used in surmounting many difficulties, thus ensuring that 1971-72 was a well organized and rewarding year for the Institute.

My best wishes to the new President and Council.

*The Treasurer, D.W. Russell reported*

Receipts .....	1419.85
Expenditures .....	1596.49
Permanent Fund .....	533.20
Total cash assets as of May 16, 1972 .....	3235.18

With rising costs for printing and postage and a drop in income it had not been possible to transfer any fund to the Publication Fund as directed at the previous Annual Meeting. If the present trends continue he predicted a deficit of \$350 by the end of 1972-73.

The Editor, E.G. Young, reported that Volume 27, Part 1 had been printed and issued. Preparation of Part 2 was being deferred pending clarification of the financial position following publication of the "*Chondrus crispus*" Symposium.

The Librarian, Miss E.M. Campbell, reported that our holdings are now located in the Science Library, Dalhousie University, and are being used by borrowers across Canada. Ten new exchanges have been secured.

**Officers and others elected for the session 1972-73 were**

President .....	J.E. Blanchard
First Vice-President .....	R.G. Ackman
Second Vice-President .....	P.J. Wangersky
Secretary .....	N. Cuthbertson
Treasurer .....	D.W. Russell
Editor .....	M.J. Harvey
Council.....	R.F. Brown, D.S. Davis, J.R. Dingle, W.J. Dyer, A.Y. MacLean, E.L. Mills, G. Mitchell, and A. Taylor
Auditors .....	J.R. Dingle, W.J. Dyer

## PROCEEDINGS OF MEETINGS

### (Valley Chapter 1971-72)

#### 1st Ordinary Meeting, 4 October 1971

"The reactions of O<sub>2</sub> (<sup>1</sup>Δg) with N and H atoms", J. Roscoe, Acadia University.

#### 2nd Ordinary Meeting, 1 November 1971

"Systemic insecticides in woody plants", D. Pree, Agricultural Research Station, Kentville.

"An illustrated talk about a recent trip to a scientific conference in Moscow, U.S.S.R.", M. Peach, Acadia University.

#### 3rd Ordinary Meeting, 6 December 1971

"The effects of chemicals on the metabolism of the body", a panel discussion by Ned Chase, Kentville; E. Cleveland, Fundy Mental Health Clinic; E. Hansen, Acadia University; Ronald Stuart, Wolfville; and Rev. H. Taylor, Director of the Institute of Pastoral Training.

#### 4th Ordinary Meeting, 3 January 1972

"Design of a free fall oceanographic instrument", J. Brown, Acadia University.

"Stratigraphy of the Miller Creek Formation", L. Thorpe, Acadia University.

#### 5th Ordinary Meeting, 7 February 1972

"Study of female fashion from an Indian tribe in Idaho", D. Pree, Acadia University.

#### 5th Ordinary Meeting, 6 March 1972

"Quinacrine hydrochloride in the management of malignant pleural effusion", J. Quinlan, N.S. Sanatorium, Kentville.

"Medications used in inhalation therapy", E. Crossan, N.S. Sanatorium, Kentville.

"Laboratory demonstration of the fluorescence microscope", G. Kloss and Helen Morse, R.T.T. N.S. Sanatorium, Kentville.

#### 6th Ordinary Meeting, 10 April 1972 (joint meeting with the Halifax Chapter, in Halifax)

"The permeability of fruit tissues to gases", F. Forsythe, Agricultural Research Station, Kentville.

"Genetics and biochemistry in tuberculosis treatment", D.W. Russell, Dalhousie University.

### Officers and others elected for the session 1972-73 were

President .....	F. Forsythe
Vice President .....	C. Maclatchy
Secretary .....	F. Bent
Treasurer .....	T. Haliburton
Councillors .....	Maria Rostocka, D. Stiles