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**THE CANADIAN BOTANICAL ASSOCIATION  
L'ASSOCIATION BOTANIQUE DU CANADA**

***Fourth Annual Meeting***

**LAKEHEAD UNIVERSITY, PORT ARTHUR**

**June 11th - 15th 1968**

FOURTH ANNUAL MEETING

THE CANADIAN BOTANICAL ASSOCIATION

L'ASSOCIATION BOTANIQUE DU CANADA

Lakehead University, Port Arthur

June 11th - 15th, 1968

**MONDAY JUNE 10th**

2:00 - 5:00      Registration

\* 6:00 p.m.      Buffet Supper Served at Residence Cafeteria

7:30 p.m.      Briefing on Tuesday Morning Field Trip

8:00 p.m.      Evening to be used as you wish

\* Bar open until 12:00 Midnight

**TUESDAY JUNE 11th**

- |              |                                                                                                                |
|--------------|----------------------------------------------------------------------------------------------------------------|
| 7:00 a.m.    | Breakfast                                                                                                      |
| 8:00         | Leaving for Field Trip to Abitibi Woodlands Laboratory, Raith, Ontario<br>(Mr. S.T.B. Losee and Mr. L. Vidlak) |
| 9:00 - 12:00 | Registration                                                                                                   |
| * 12:00      | Lunch                                                                                                          |
| 2:00 - 5:00  | Registration                                                                                                   |
| 5:00         | Return to University from Field Trip                                                                           |
| * 6:00       | Dinner                                                                                                         |
| 8:00         | "Presidents" Reception<br>Great Hall - University Centre                                                       |

\* Bar open until after Dinner

## WEDNESDAY JUNE 12th

- 7:30 a.m. Breakfast
- 9:00 Introductory Assembly, Auditorium, University Centre  
Welcome: All Delegates

### Wednesday Morning

1. ECOLOGY, AND SYSTEMATICS AND PHYTOGEOGRAPHY  
Symposium: "The Boreal Forest"  
Chairman: Morning J. S. Rowe, Afternoon: J. C. Ritchie  
Room No. 1029
- 9:30 a.m. LaRoi, G.H., "What is the Boreal Forest?"
- 10:00 Kayll, A.J., "The role of fire in the Boreal Forest"
- 10:30 Break - Cafeteria
- 11:00 Brown, R.J.E., "Soil climate-vegetation relationships of the Boreal Forest"
- 11:30 Baldwin, W.K.W., "Botanical problems of the Boreal Forest, viewed from the Upper English River Section"
- 12:00 Discussion
- 12:30 Lunch
- 2:00 p.m. McAndrews, J., "The fossil record of the Boreal Forest south of the Great Lakes"
- 2:30 Terasmae, J., "History of the Boreal Forest in the area of the Great Great Lakes"
- 3:00 Maycock, P.F., "Status and future prospects for research in the Boreal Forest"
- 3:30 Discussion
- 4:00 Separate Business Sessions for the Sections  
Ecology - Room No. 1035 Systematics and Phytogeography  
Room No. 1020
- 6:00 Dinner

7:30 a.m. Breakfast

2. MYCOLOGY

Symposium: "Aspects of Spore Formation and Germination among Fungi"

Contributed Papers on the Mycology of the Boreal Forest

Chairman: Morning: D.M. MacLeod, Afternoon: J.T. Basham Room 1039

9:30 Harvey, M.J., "What is *Viola howellii*?"

10:00 Levin, M.H., "A Taximetric analysis of genera and families of the Nemalionales (Rhodophyceae, Florideae)"

10:30 Break - Cafeteria

11:00 Umphlett, C.J., "Sporangium and zoospore production in *Coelomomyces*"

11:30 MacLeod, D.M., et al "Some observations on the resting spores of *Fuligo septica*"

12:00 Corfman, N.A., "Ultrastructural alterations in spores of *Fuligo septica*"

12:30 Turel, F.L.M., "The effect of various substances on uredospore germination and on the metabolism of various rusts"

\* 1:00 p.m. Lunch

2:00 Reid, J. and Punter, D., "Exact title not yet known, to deal with the fungus presently known as *Scleroderris lagerbergii* Gremmen"

2:30 Baranyay, J.A., "Fungi collected during forest disease surveys in the Boreal Region of Northern Alberta and the District of Mackenzie, Northwest Territories"

3:00 Ouellette, G.B., "Intrahyphal hyphae, endospores, and generation in fungi"

4:00 Hiratsuka, Y. and Powell, "Cytology of hard pine stem rusts from Canada and Northern Europe - a proposal for a new type of life cycle"

4:15 Business Session

\* 6:00 Dinner

3.

### GENERAL

Contributed Papers

Chairman: Morning: K. von Maltzahn, Afternoon: T.A. Steeves  
Room No. 1006

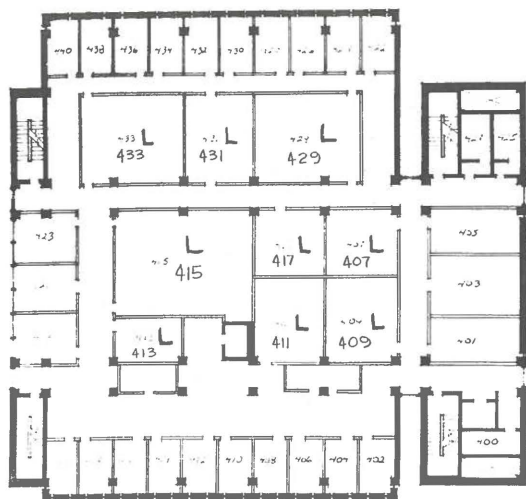
- 9:30 a.m. Bhar, D.S. and Radforth, N.W., "Ontogeny of vegetative and floral shoot apices of *Pharbitis nil*"
- 10:00 Bhar, D.S. and Radforth, N.W., "In vitro studies of the shoot apices of *Pharbitis nil* in relation to photoperiodic induction"
- 10:30 Break - Cafeteria
- 11:00 Thair, B.W. and Steves, T.A., "Experimental Studies on the orientation of Cambial Initials:
- 11:30 Sattler, R., "Report of a project on floral organogenesis"
- 12:00 Discussion
- \* 12:30 Lunch
- 2:00 Gee, H., "Ion Exchange Resin Beads as Growth Substance Carriers"
- 2:30 Sawhney, V.K., "Observations on the occurrence of sporophytic characters in the gametophytes of *Adiantum lunulatum* Burm"
- 3:00 Discussion
- 3:30 Break - Cafeteria
- 4:00 Business Session
- \* 6:00 Dinner

## Wednesday Evening

Symposium: "Natural Areas (Ecological Reserves) in Canada"  
Chairman: R.F. Daubenmire, Washington State University, Pullman,  
Past President of the Ecological Society of America.  
Room No. - Auditorium, University Centre

- 8:00 p.m. LaRoi, G.H. University of Alberta, Acting Chairman, Canadian IBP-CT  
Subcommittee. Introduction, Programme in Alberta.
- 8:15 Krajima, V.J., University of British Columbia, Programme in British  
Columbia
- 8:30 Rowe, J.S., University of Manitoba, Programme in Manitoba
- 8:45 Walker, J.M., University of Saskatchewan, Programme in Saskatchewan
- 9:00 Dale, H.M., University of Guelph, Programme in Ontario
- 9:15 Grandtner, M.M., University Laval, Programme in Quebec
- 9:30 Telfer, E.S., Canadian Wildlife Service, Programme in Maritime Provinces
- 9:45 Pruitt, W.O., Memorial University of Newfoundland, Programme in  
Newfoundland
- 10:00 Lambert, J.D.H., Carleton University, Programme in Canadian Subarctic  
and Arctic.

\* 4:00 - 1:00 Bar open at Residence



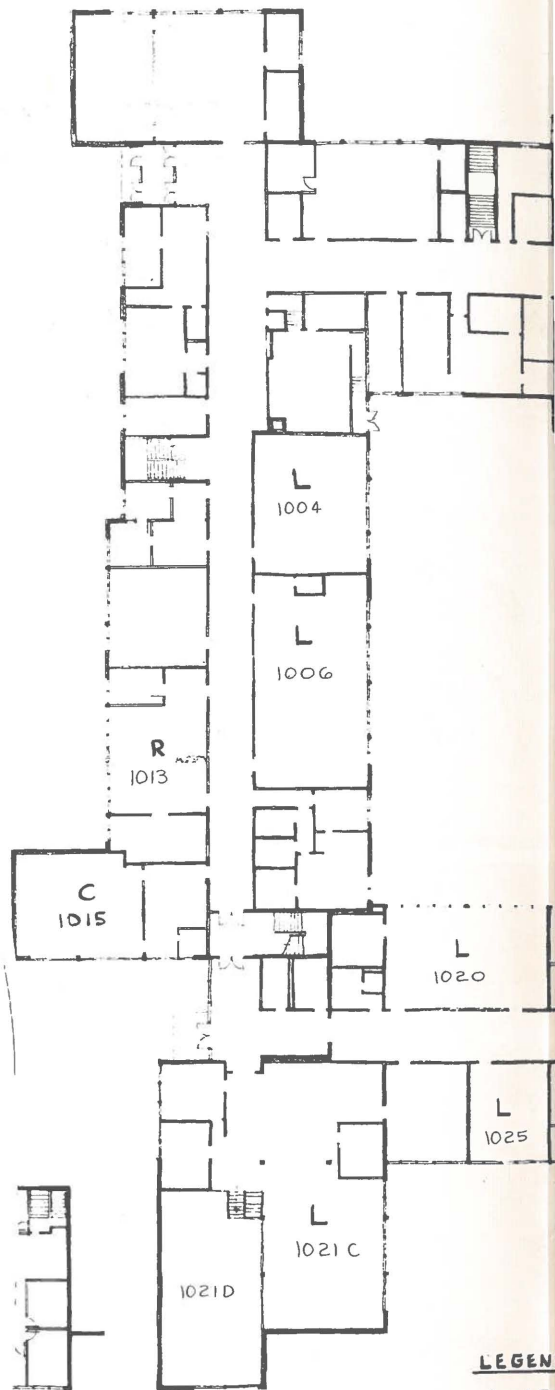
FOURTH FLOOR PLAN

LIBRARY



GROUND FLOOR PLAN

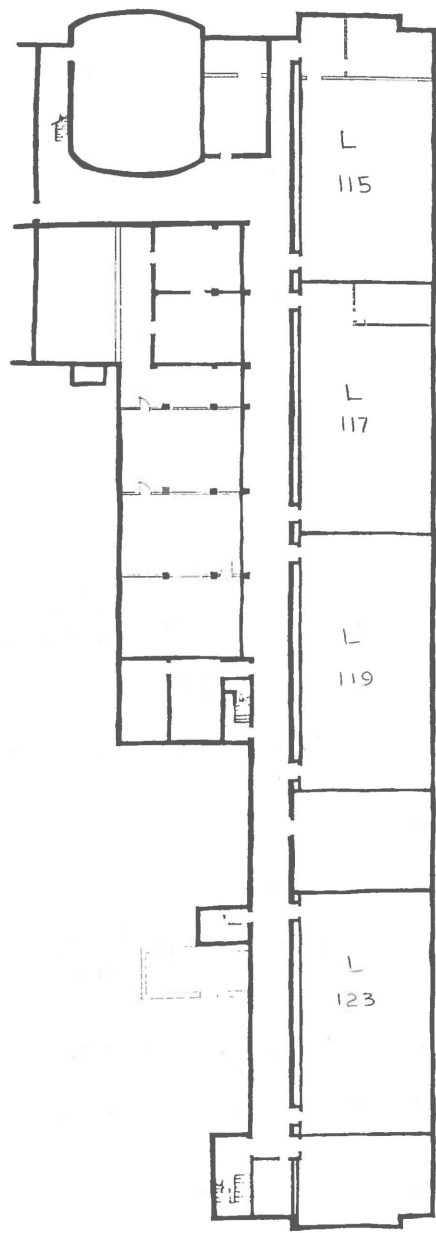
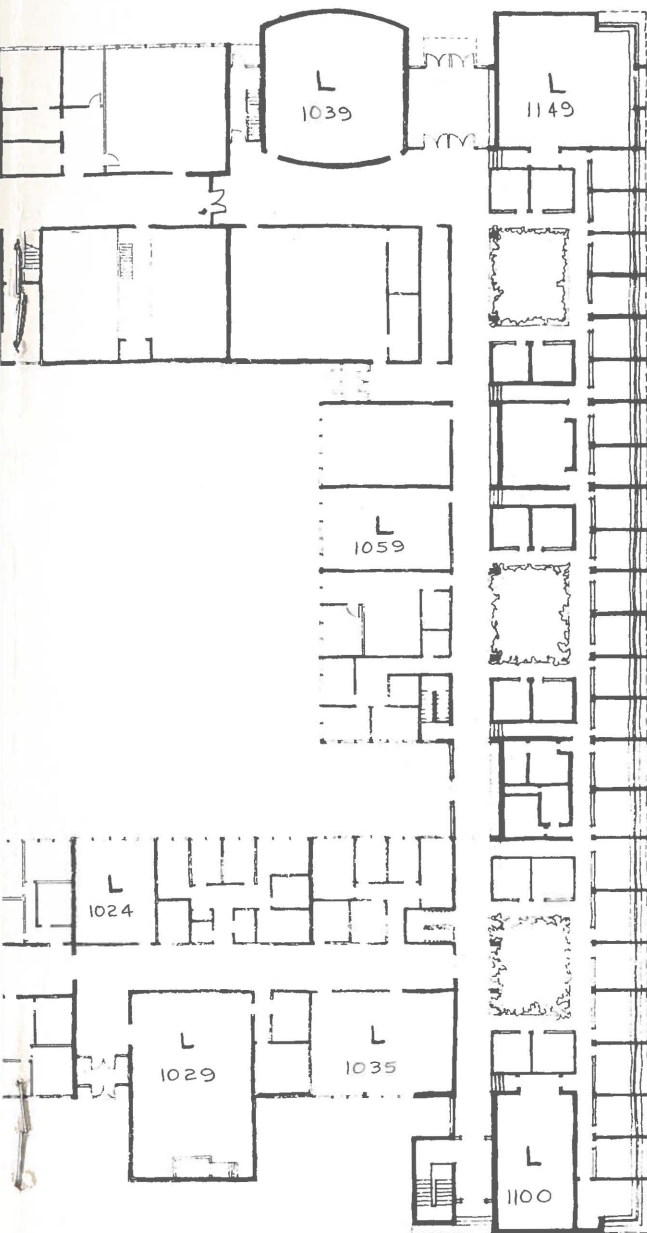
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GROUND FLOOR PLAN

LEGEND

L - LE  
C - CO  
R - RE



MAIN BUILDING  
LAKEHEAD UNIVERSITY  
PORT ARTHUR ONTARIO

2  
TURE & LABORATORY ROOMS  
PUTER ROOM  
SISTRAR OFFICE

MICKELSON • FRASER • ASSOCIATES  
ARCHITECTS AND CIVIL ENGINEERS  
PORT ARTHUR

PROJECT  
KEY PLANS

FOR  
LAKEHEAD UNIVERSITY

SHEET TITLE  
MAIN BUILDING

## THURSDAY, JUNE 13th

7:00 Breakfast

1. Field Trip - 8:00 a.m. Sibley Peninsula and/or Kaministiquia Valley  
(Dr. Lindsay and others)  
3:00 p.m. Return from Field Trip

Leader - D. R. Lindsay

2. MYCOLOGY  
Contributed Papers  
Chairman: J.A. Parmelee  
Room No. 1039

9:00 a.m. McMinn, R.G. and Funk, A., "An unusual Dieback of Douglas Fir"

9:30 Duravetz, J.S. and Morgan-Jones, J., "Development of the Ascogenous System in two species of Rhytisma"

10:00 Ahmad, A. and Goldstein, M.E., "On Geniculation in Mougeotia Agardh"

10:30 Caten, C.E., "Heterogeneous Nuclear Fusions in Single Perithecia of Aspergillus Heterocaryoticus"

11:00 Break - Cafeteria

11:30 Wellman, A.M., "The growth of Conidia of Adenine dependent mutants of Neurospora crassa"

12:00 p.m. Discussion

12:30 Lunch

4:00 Annual General Meeting  
The Canadian Botanical Association - L'Association Botanique du Canada

Annual Banquet 7 p.m. Great Hall, University Centre

Guest Speaker: Dr. R. D. Gibbs, MacDonald Professor of Botany, McGill University,  
"Forty-odd Years in Research - Mostly fun"

**FRIDAY JUNE 14th**

**1. MYCOLOGY**

7:30 a.m. Breakfast

Symposium: "Fungal Systematics in the Sixties"

Chairman: W. B. Kendrick

Room No. 1039

- 9:00 a.m. Kendrick, W.B. and Cole, G.R., "Developmental characters as taxonomic criteria in Fungi Imperfecti"
- 9:30 Carmichael, J.W., "Natural Clusters"
- 10:00 Tyrrell, D., "Biochemical systematics and fungi"
- 10:30 Break - Cafeteria
- 11:00 Madhosingh, C., "Enzymes, Serology and Taxonomy"
- 11:30 Behme, R., "DNA hybridization as a taxonomic tool"
- 12:00 p.m. Discussion
- 12:30 Lunch

2.                   SYSTEMATICS AND PHYTOGEOGRAPHY  
                       7:30 a.m. - Breakfast  
                       Contributed Papers  
                       "Research Methods in Systematics"  
                       Chairman: Morning - G.W. Argus, Afternoon - R.C. Jancey  
                       Room No. 1029
- 9:00 a.m.           Marchant, C.J., "Cytotoxonomy of *Spartina X Caespitosa* (A.A. Eaton) Fern, and species of North American Cord-grass"
- 9:30                Harvey, M.J., "A Taximetric analysis of genera and families of the Nemalionales (Rhodophyceae, Florideae)"
- 10:30               Break - Cafeteria
- 11:00               Dore, W.G., "A pattern of post-glacial migration; invasion via Frontenac Portal"
- 11:30               Hainault, R., "The floristic comparison of areas of different sizes: an example"
- 12:00               Delgado, A.A., "Flora del Ecuador"
- \* 12:30              Lunch
- 2:00 p.m.           Sattler, R., "Floral development and the problem of unit characters"
- 2:30                Gibbs, R.D., "Observations on the use of comparative chemistry on the taxonomy of higher plants"
- 3:00                Fahselt, D., "Chromatography as a source of taxonomic Characters"
- 3:30                Orloci, L., "Definition of Structure in multivariate samples"
- 4:00                van Groenewoud, H., "The cluster analysis of some white spruce forest data from Northern Saskatchewan"
- 4:30                Phipps, J.B. "Classical and numerical genera compared"

3.

GENERAL

7:30 a.m. - Breakfast

Contributed Papers

Chairman: W. I. Illman

Room No. 1006

9:00 a.m.

Dore, W.G. and Klosevych, S. (Film) "Raphide ejection in Dieffenbachia",  
(Cinephotomicrography)

9:30

Brideaux, W.W., "Palynology of the Lower Colorado Group in Central  
Alberta"

10:00

Brideaux, W.W., "Upper Devonian Miospores from the Escuminac  
Formation, Excuminac Bay, Quebec"

10:30

Break - Cafeteria

11:00

Ramanujam, C.G.K. and Stewart, W.N., "Fossil woods at Taxodiaceae  
from the Edmonton Formation (Upper Cretaceous) of Alberta"

\*

12:30

Lunch

4.

## ECOLOGY

7:30 a.m. - Breakfast

Contributed Papers

Chairman: Morning: H.M. Dale, Afternoon: M. M. Dale

Room No. 1021

- 9:00 a.m. Walker, J.M., and Waygood, E.R., "Ecology of *Phragmites communis Trin*"
- 9:30 Hoefs, M., "The effect of shade on *Vaccinium angustifolium* Ait. after Firepruning"
- 10:00 Hills, G.A., "An ecosystemic approach to the classification of terrestrial vegetation"
- 10:30 Break - Cafeteria
- 11:00 McMinn, R.G., "Effects of Experimental Droughts on Pole-sized White Pine"
- 11:30 Grandtner, M.M., "Apercu de la vegetation des Iles-de-la-Madeleine"
- 12:00 Rani, R.G.M. and Duthie, H.C., "Some diatom communities from southern Ontario"
- \* 12:30 Lunch
- 2:00 p.m. Sidhe, S.S., and Cavers, P.B., "Effect of Storage and Temperature on Seed Dormancy and Viability of *Medicago lupulina* L."
- 2:30 Frost, R.A. and Cavers, P.B., "The distribution and ecology of three species of *Amaranthus* in South-western Ontario"
- 3:00 Webber, P.J., and Andrews, J.T., "an Evaluation of Lichenometry"
- 3:30 Break - Cafeteria

**SATURDAY JUNE 15th**

**Field Trip to bog between Seine and English Rivers**

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Friday - 6:00 p.m. | Dinner                                                             |
| 7:30 p.m.          | Briefing on Field Trip in Residence                                |
| 8:00 p.m.          | Evening to be used as you wish                                     |
| Saturday 7:00 a.m. | Breakfast                                                          |
| 8:00 a.m.          | Leaving for Field Trip to bog -<br>Between Seine and English River |
| 5:00 p.m.          | Return from Field Trip                                             |

## NOTES