

# BULLETIN



L'ASSOCIATION BOTANIQUE DU CANADA

July 1972

Volume 5 Number 3

Waterloo

## THE DALHOUSIE MEETINGS

### PROGRAMME SUMMARY

CBA – MONDAY, June 19th.

08:00 – 12:00 Registration – Shirreff Hall

JOINT SESSION – Room 117, Dunn Building

09:00 Welcome & Opening Address

#### SESSION 1A                      SESSION 1B

–Life Sciences Bldg–

Room 2982

Room 2970

ECOLOGY

GENERAL

Alex + Chairman + Peterson

09:45 Ritchie

Davidson, Liptay

10:00 Railton

Liptay, Davidson

10:15 Brodo

Peterson

10:30 COFFEE

11:00 Smith

Taylor, Elliott

11:15 Suffling, Smith

Cole

11:30 Bradbury, Hofstra

Corlett

11:45 Phillips, Walker, Shay

Lott, Whittington

12:00 LUNCH

#### SESSION 2A                      SESSION 2B

–Life Sciences Bldg–

Room 2982

Room 2970

ECOLOGY

GENERAL

Ritchie + Chairman + Peterson

14:00 Redmann

Wilson

14:15 Maun

Hicks

14:30 Alex

Macdonald

14:45 COFFEE

15:15 Macdonald, Cavers

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15:30 Staniforth, Cavers

–

15:45 Hawthorn, Cavers

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16:00 McMinn, Dobbs

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16:15 SECTIONAL MEETINGS – Life Sciences Bldg– Rooms – Ecology 2982; General – 2970; Mycology – 2898; Paleobotany – 2900; Phycology – 2895; Phytogeography & Systematics – 2852

20:00 FILMS – Shirreff Hall

CBA – TUESDAY, June 20th

08:30 – 12:00 Panel Discussion on *Chondrus crispus* – Room 2805, Life Sciences Building.

JOINT SYMPOSIUM – Room 117, Dunn Bldg. *Aspects of Tissue Culture and Cell Hybridization*. Chairman: Gamborg

08:30 Street

09:30 Halperin

10:30 COFFEE

11:00 Miller, Gamborg

12:00 LUNCH

13:00 CBA GENERAL MEETING – Room 2815, Life Sciences Building.

14:00 – 16:30 Panel Discussion on *Chondrus crispus* – Room 2805, Life Sciences Bldg.

14:00 Tour of Dalhousie Life Sciences Bldg. (meet in the Main Foyer)

18:30 COCKTAILS – Student Union Bldg.

19:30 JOINT SOCIETY BANQUET – Student Union Bldg.

CBA – WEDNESDAY, June 21st

JOINT SYMPOSIUM – Room 117, Dunn Bldg. *Aspects of Productivity in Aquatic Communities*. Chairman: Craigie

08:30 Boyd

09:30 Bellamy

10:30 COFFEE

11:00 Mann

12:00 LUNCH

#### SESSION 3A                      SESSION 3B

–Life Sciences Bldg–

Room 2982

Room 2970

Systematics and

Phycology

Phytogeography

McNeill + Chairman + Cardinal

13:30 Fahselt

Berard, Cardinal

13:45 McNeill

Bird

14:00 Dawson

Hsiao, Druehl

14:15 McKay

Druehl, Lobban,

Sharp, Pace

14:30 Taschereau

Bacon, Taylor

14:45 Chinnappa, Morton

Harris, Lott

Lakshminarayana,

Sita Devi

15:00 COFFEE

15:30 Fisher, Marchant, Rowley

Tour of the Atlantic

15:45 McPherson, Packer

Regional Laboratory

Marine Station, Sambro

(leaves front door,

Shirreff Hall)

18:30 Bus leaves front door of Shirreff Hall for JOINT LOSTER DINNER – Shore Club, Hubbards

CBA – THURSDAY, June 22nd

Post-Conference Field Trip to Cape Breton, June 22-24.

## THE INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTS

The Commission on Chemotaxonomy of IUPAC has drawn up the following recommendations for the guidance of Editors of Scientific Journals.

### *Documentation of Plant Materials*

In all cases where publications contain reference to whole plants or parts therefrom, to crude drugs, or to any other plant material from which identifiable chemical substances have been obtained, they must also include, where at all possible, reference to voucher specimen(s) of the plants or other materials examined. When an adequate specimen is available from which accurate determination could be vouched for by subsequent workers, this should be treated in the usual manner for the preparation of herbarium specimens (flattened, dried, mounted on 20 x 45 cm sheets with details of collection, place, date and collector). Even when only parts of plants are available (e.g. seeds, bark or roots etc.) adequate specimens should be preserved for the best determination possible. Specimens of all crude drugs should also be kept for future comparison. All specimens should be deposited in a recognised herbarium which contains collections maintained either by the state or by a private institution and which permit the loan of materials for examination. For a guide to herbaria of the world consult Index Herbariorum (Regnum Vegetabile 1964, vol. 31). The International Bureau of Plant Taxonomy and Nomenclature, Utrecht, Netherlands, J. Lanjauw, editor).

IUPAC has also set up a joint Committee on Chemotaxonomy which has been formed to look into all aspects of the organization of international collaboration in chemosystematics. The committee solicits comments from interested persons in all fields of biological sciences as well as those in biochemistry and the pharmaceutical sciences. Dr. Swain is Secretary of this newly formed joint-committee and comments may be sent to him.

**THE CANADIAN NATURE FEDERATION** is a national organization for people interested in protecting and preserving wildlife and the environment across Canada. It grew out of the Canadian Audubon Society in 1971. The Federation publishes the quarterly magazine *Nature Canada* and holds annual meetings. This year's meeting will be at Edmonton in August and theme is *The Role of the Individual in Environmental Decisions*. Requests for further information or applications for membership (Regular membership \$6.00) should be addressed to: Canadian Nature Federation, 46 Elgin St. Ottawa K1P 5K6.

**ICSEB** The First International Congress of Systematic and Evolutionary Biology (ICSEB) will convene in Boulder, Colorado 4-11 August 1973 on the campus of the University of Colorado.

This inaugural meeting of a new series of international congresses will provide a common meeting ground for scientists devoted to study of the diversity of organisms. The aim of this congress is to provide exchange between all biologists interested in organisms be they animal or plant, large or small, live or fossil. It is organized by the **Society of Systematic Zoology** and the **International Association for Plant Taxonomy** with the cooperation of other national and international organizations.

The program will consist of two plenary sessions and 18 one-half day symposia, three running concurrently. These symposia will cover broad botanical and zoological interdisciplinary themes. The mornings are to be devoted to: 1) contributed papers; 2) symposia on specialized topics with particular areas of special content; and 3) international gatherings of biologists concerned with particular groups of organisms. The mornings will be arranged in direct response to the data submitted on the reply interest card. Long range field trips are scheduled before and after the Congress and several one day trips will be held during the meetings.

For further information write, Dr. R. W. Pennak, Dept. of Biology, University of Colorado, Boulder, Colorado 80302, USA.

## PUBLICATIONS

"THE VIOLATED VISION" by James Woodford. This book about the destruction of our arctic environment promises to be a best seller. Woodford names names and attaches blame both in the private business sector as well as the Federal Government. Price \$6.95.

"THE LIMITS OF GROWTH" report for "The Club of Rome's Project on the Predicament of Mankind." This book deals with many aspects of population growth and is a "must" for the urban environmentalist. Price \$3.25.

"IMPROVE YOUR ENVIRONMENT: FIGHT POLLUTION WITH PICTURES". Eastman Kodak recently published this 56-page booklet. It provides pointers on how to take "before and after" pollution pictures, how to shoot an environmental picture story, and when to use special equipment and techniques, such as underwater photography. \$1.00 from local photography stores, or Eastman Kodak Co., Dept. 454,343 State Street, Rochester, New York 14650.

**VASCULAR PLANTS OF THE MIDDLE OTTAWA VALLEY AND NORTHEASTERN ALGONQUIN PARK** by Mary L. Moore. Petawawa Forest Experimental Station, Chalk River Ontario. Information Report PS-X-34, March 1972. This is a revision of the "Check List of the Vascular Plants of the Chalk River District" prepared by T.C. Brayshaw in 1964. It lists 1030 species from an area some 50 x 70 miles. This area is geologically varied containing both limestone and granites. It is also located on the old drainage system of the Upper Great Lakes where glacial Lake Agassiz drained into the Atlantic. These two factors in large measure account for the richness and diversity of the flora in this small area. The report contains some interesting introductory pages on the environment, glacial history, and recent influences on the flora of this region. The check list itself gives information, for each species, on habitat and distribution within the area under consideration. This is a very useful and carefully prepared addition to the all too few local checklists for the Canadian flora.

**ICONES GENERA COELOMYCETARUM** Fasc. I by G. Morgan-Jones, T.R. Nag Raj and Bryce Kendrick. University of Waterloo Biology Series no. 3. 42 pp. 1972, price \$1.00. This is the first of an intended five fascicles designed to provide well illustrated and reliable accounts of Coelomycete genera. For each genus a standardized generic description is given and the type species is illustrated by means of a full page line drawing. Each fascicle will treat 20 genera and an index will be supplied at the end of the fifth fascicle. Obtainable from, Dept. of Biology, University of Waterloo, Ontario.

**TREES OF CANADA AND THE NORTHERN UNITED STATES** by F.H. Montgomery, Ryerson Press, 1971, price \$4.95. A useful little pocket book designed to give a comprehensive, practical and easy to handle guide to the trees of Canada and the adjoining parts of the United States. The text consists of a key with marginal drawings of diagnostic characters. There are additional pages of drawings to facilitate identification and some excellent colour photographs. The book is written in non-technical language and the text includes an indication of distribution and an index to common and scientific names. This is a carefully prepared account of our trees, well produced on high quality paper with a hard cover, and deserves a place in the pocket, or on the shelves of all who are interested in our trees.

## SITUATIONS VACANT

Applications are invited for position as Assistant or Associate Professor, salary from \$9,500 depending on qualifications and rank, effective July 1, 1973. Applicant must hold Ph.D. or equivalent, and have a strong botanical background. Duties involve teaching, with a demonstrated interest and ability in teaching a first-year course in Introductory Biology and in the undergraduate and graduate programme in the area of specialization; and research, with preference in one of the following fields: biosystematics, population genetics, reproductive biology. Apply not later than November 1, 1972 with curriculum vitae and names of three persons who can provide letters of references, to *The Head, Department of Botany, University of British Columbia, Vancouver 8, B.C., Canada.*