

THE CANADIAN BOTANICAL ASSOCIATION

# BULLETIN

L'ASSOCIATION BOTANIQUE DU CANADA



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## PATRON

HIS EXCELLENCY THE RIGHT HONOURABLE EDWARD SCHREYER, C.C., C.M.M., C.D., GOVERNOR GENERAL OF CANADA

## PATRON D'HONNEUR

SON EXCELLENCE LE TRÈS HONORABLE EDWARD SCHREYER, C.C., C.M.M., C.D., GOUVERNEUR GÉNÉRAL DU CANADA

## CBA/ABC ANNUAL MEETING 1982

Congratulations to all those involved in the organization and running of the Annual Meeting in Regina. A full report will appear in the next issue of the *Bulletin*. Approximately 250 people attended the joint CBA/ABC -CSPP/SCPV meeting. Those who attended the Banquet must thank the Saskatchewan Wildlife Service for providing the elk meat, and the Department of Biology staff who collected saskatoon berries for the dessert.

## CBA/ABC AWARDS 1982

### George Lawson Medal

The George Lawson Medal was awarded to Dr. Leslie Laking, formerly Director of the Royal Botanical Gardens in Hamilton, for his contributions to Botany during a long and distinguished career. The award was made at the Annual Banquet held in Regina on June 23, 1982.

The citation and photograph will appear in the next issue of the *Bulletin*.

### Mary E. Elliott Award

The Mary E. Elliott Award for outstanding service to the Association was not awarded this year.

### Lionel Cinq-Mars Award

The Lionel Cinq-Mars Award for the best student paper presented at the Annual Meeting was awarded to Mr. Raymond L. Legge of the University of Waterloo for his paper entitled "Superoxide radical production by microsomal membranes from senescing carnation flowers: an effect on membrane fluidity".

## CSPP/SCPV AWARDS 1982

During the Joint Meeting held in Regina, the CSPP/SCPV presented the following awards.

### C.P. Nelson Award

The C.P. Nelson Award for outstanding contribution to plant physiology and originality of thought was presented to Dr. John D. Mahon of the Prairie Regional Laboratory in Saskatchewan. The Award is for a scientist who has not reached his/her 40th birthday and who is practising in Canada. The award, presented for only the third time, was made at the Banquet on June 23, 1982.

### C.S.P.P./S.C.P.V. Gold Medal

The C.S.P.P. Gold Medal, announced at the Annual Meeting last year, was presented to Dr. David Canvin of Queen's University at his Gold Medal Address on June 22, 1982.

The CBA/ABC 1983 Annual Meeting will be a Joint Meeting with the American Institute for Biological Sciences and will be held in Grand Forks, North Dakota, August 7-11, 1983.

Arrangements for the meeting are well in hand. Please contact the Local Organizing Chairman for CBA/ABC if you have any suggestions or queries: Dr. Mohan Wali, Box 8122, University Station, Grand Forks, ND 58202 U.S.A.

#### Call for Symposium Proposals

Please see the yellow form enclosed with this issue of the *Bulletin* for submission of Symposium Proposals to Dr. Stan Rowem the CBA/ABC Program Chairman for the 1983 Meeting.

Please note that the deadline for submission of the Proposals is September 1, 1982.

#### Field Trips

The following field trips are planned for the pre-meeting period August 5-7, 1983.

1. Badlands and coal mining sites, North Dakota
2. Lake Itasca, Minnesota
3. Delta Marsh, Manitoba
4. Pembina Trails, Minnesota
5. Devil's Lake, North Dakota
6. Cheyenne National Grasslands, North Dakota
7. Oakville Prairie, North Dakota
8. Forest River Biology Area, North Dakota.

If any individual or group wants to co-sponsor any of the above field trips, would they please contact Dr. Mohan Wali (address above).

#### LIONEL CINQ-MARS AWARD

The CBA/ABC Board of Directors at its June 20th meeting increased the value of the Lionel Cinq-Mars Award for the best student paper presented at the Annual Meeting to \$100.00, effective immediately.

#### 3RD ANNUAL MYCOLOGY WORKSHOP

The Third Annual Mycology Workshop was held at Carleton University, Ottawa, on February 20-21, 1982.

Abstracts of the papers presented have been produced. Members interested in obtaining a copy of these abstracts should contact: Dr. W.I. Illman, ELBA, Carleton University, Ottawa, Ont K1S 5B6

#### SUNDIAL MOTTO

I am a sundial, and I make a botch  
Of what is done much better by a watch

Hilaire Belloc

#### THE J.B. HARKIN AWARD

As noted in the January 1982 issue of the CBA/ABC *Bulletin*, Dr. George F. Ledingham of the University of Regina was awarded the J.B. Harkin Medal in December 1981. It is a pleasure to reprint the citation accompanying the Award:

*"for inspiring in generations of citizens knowledge and love of the natural history of Canada's Great Plains, and dedicating himself as a researcher, teacher, writer and founding member of the Saskatchewan Natural History Society to the conservation of native grasslands in the prairie provinces."*

The J.B. Harkin Award was established in October, 1972, by the National and Provincial Parks Association of Canada (NPPAC), as a bronze Medal and framed Citation. It is intended as a significant Canadian conservation award to perpetuate the memory of James Bernard Harkin, a great Canadian conservationist, and to honour those individuals who have served with distinction the parks and associated conservation areas of Canada. To be eligible for consideration, an individual must have demonstrated a significant contribution through word and deed to the conservation of Canada's national and provincial parks and associated conservation areas. The contribution may be through the person's occupation or professional activities, or from his/her activities as a citizen or member of a citizen's group. Nominations may be made by both members and non-members of NPPAC, and should be addressed to: Robert C. Scace, Chairman, J.B. Harkin Conservation Award, c/o National and Provincial Parks Association of Canada, Suite 308, 47 Colborne St., Toronto, Ont M5E 1E3. The Medal is not necessarily awarded annually.

Only three Awards have been made previous to Dr. Ledingham. The recipients were:

- October 1972 - The Hon. Jean Chretien, [then] Minister of Indian and Northern Affairs
- March 1975 - Roderick Haig-Brown, Naturalist and Author
- October 1978 - William Fergus Lothian, National Parks Administrator and Historian

#### FUTURE MEETINGS OF CBA/ABC

- 1983 — Grand Forks, ND, August 7-11  
Joint Meeting with American Institute for Biological Sciences. See preliminary notice on this page, and Call for Symposium Proposals form.
- 1984 — Fredericton, June
- 1985 — London, Ont, June  
B.C.C. Sponsored Meeting
- 1986 — Sudbury, date not yet known
- 1987 — Open  
Suggestions and/or invitations would be welcomed by the President or the Secretary of the Association.

# OFFICERS OF CBA/ABC - 1982-1983

## Board of Directors

President: Dr. James H. Soper, National Herbarium, National Museum of Natural Sciences, Ottawa, Ont K1A 0M8 Office: 613-995-9252

Past-President: Dr. James B. Phipps, Dept. of Plant Sciences, Univ. of Western Ontario, London, Ont N6A 5B7 Office: 519-679-3113

Vice-Presidents: Dr. J. Stan Rowe, Rm 202, Crop Science Bldg, Dept. of Plant Ecology, Univ. of Saskatchewan, Saskatoon, Sask S7N 0W0 Office:  
 Dr. Mohan K. Wali, Box 8122, University Station, Grand Forks, ND 58202 U.S.A. Office:

President-Elect: Dr. W. George Barker, Dept. of Botany & Genetics, Univ. of Guelph, Guelph, Ont N1G 2W1 Office: 519-824-4120

Secretary: Dr. Iain E.P. Taylor, Dept. of Botany, Univ. of British Columbia, Vancouver, B.C. V6T 2B1 Office: 604-228-2340

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 Dept. of Botany  
 Univ. of British Columbia  
 Vancouver, B.C. V6T 2B1  
 Office: 604-228-4681

Dr. Kaye L. MacInnes  
 Site 11, Box 21  
 Yellowknife, NWT X1A 1H1  
 Office: 403-920-8152

Dr. Bruce A. Roberts  
 Canadian Forestry Service  
 P.O. Box 6028  
 St. John's, Nfld A1C 5X8  
 Office: 709-737-4813

### Editor of Bulletin (ex. off.):

Mrs. Sylvia Taylor  
 Office of The Botanical Garden  
 Univ. of British Columbia  
 6501 NW Marine Drive  
 Vancouver, B.C. V6T 1W5  
 Office: 604-228-4188

### Directors (1982-84):

Dr. Paul M. Catling  
 Biosystematics Research Inst.  
 Central Experimental Farm  
 Ottawa, Ont K1A 0C6  
 Office:

Dr. J. André Fortin  
 Fac. de Foresterie  
 Univ. Laval d'ecole de ped.  
 Ste Foy PQ G1K 7P4  
 Office:

Dr. Vipen K. Sawhney  
 Dept. of Biology  
 Univ. of Saskatchewan  
 Saskatoon, Sask S7N 0W0  
 Office:

### Archivist (not a Director):

Dr. W.I. Illman  
 E.L.B.A.  
 Carleton Univ.  
 Ottawa, Ont K1S 5B6  
 Office: 613-231-4321

## Officers of the Sections

Ecology Chairman: Bruce Roberts  
 Secretary: Suzanne Warwick

General Chairman/Secretary/Treasurer:  
 Joanne Macdonald

Mycology Chairman: James A. Traquair  
 Alternate:

Phycology Chairman: H.C. Duthie  
 Secretary: M. Munawar

Structure & Development Chairman: Richard I. Greyson  
 Secretary: Douglas Davidson

Systematics & Phytogeography Chairman: John McNeill  
 Secretary: Judith M. Canne

## Representatives on other organizations

B.C.C. Council J.H. Soper  
 J.B. Phipps

Alternates W.G. Barker  
 J. McNeill

I.U.B.S. John McNeill

# TREASURER'S REPORT

1. Attached is the audited financial statement for the fiscal year ending May 31, 1982.
2. The transfer of accounts was completed on October 8, 1981.
3. There are just over 400 paid-up memberships for calendar year 1982, involving 298 Regular, 83 Student and 24 Retired members.

4. The current balance is high, mainly due to the windfall profit from Guelph. However, it is not the intention that this money should be used for the general operations of the Association.
5. Currently we receive approximately \$6000 in membership fees, and the operating costs are about the same. In view of this, the Treasurer recommends a fee increase for 1983.

## CANADIAN BOTANICAL ASSOCIATION/L'ASSOCIATION BOTANIQUE DU CANADA

### FINANCIAL STATEMENT FOR FISCAL YEAR 1981/82 \*

BALANCE OF FUNDS - June 1, 1981 ..... \$ 5,303.30

#### RECEIPTS

|  |                     |
|--|---------------------|
| Membership Dues                        |                     |
| Full .....                             | \$5,243.38          |
| Student .....                          | 439.88              |
| Retired .....                          | 140.00              |
|  | <u>\$ 5,823.26</u>  |
| Canadian J. Botany subscriptions ..... | 3,606.00            |
| B.C.C. Fees .....                      | 2,398.00            |
| Conference Proceeds .....              | 6,743.00            |
| Bulletin Income .....                  | 316.22              |
| Bank Interest .....                    | 425.98              |
| Miscellaneous .....                    | 164.62              |
|  | <u>19,477.08</u>    |
|  | <u>\$ 24,780.38</u> |

#### EXPENDITURES

|  |                  |
|--|------------------|
| Canadian J. Botany subscriptions ..... | 3,846.00         |
| B.C.C. Fees .....                      | 3,252.00         |
| Conferences .....                      | 1,425.00         |
| CBA/ABC Bulletin .....                 | 2,845.00         |
| Administrative costs .....             | 1,476.80         |
| Executive Travel .....                 | 122.91           |
| Awards .....                           | 50.00            |
| Miscellaneous .....                    | 80.50            |
|  | <u>13,098.21</u> |

BALANCE OF FUNDS - May 31, 1982 ..... \$ 11,682.17

#### RECONCILIATION

#### ASSETS

|                                      |                     |
|--------------------------------------|---------------------|
| Cash in Bank - Current Account ..... | 2,632.00            |
| Savings Account .....                | 9,554.17            |
|                                      | <u>\$ 12,186.17</u> |

#### LIABILITIES

|                          |        |        |
|--------------------------|--------|--------|
| Cheque Outstanding ..... | 504.00 | 504.00 |
|--------------------------|--------|--------|

SURPLUS of Assets over Liabilities ..... \$ 11,682.17

Guy R. Brassard, Treasurer

\*NOTE: Because of the late transfer of accounts, the Treasurer presented two sets of accounts, one for the complete year (printed here) and one for the period from October 8, 1981 to May 31, 1982. The second financial statement was audited by Drs. G.R. South and P.J. Scott.

The CBA/ABC Board of Directors held two meetings during the Association's Annual Meeting in Regina.

At the first meeting on June 20th, it was reported that the archives of the Association are now lodged with the Dominion Archivist in Ottawa. The changes in the By-laws were approved by the membership and the necessary registration with Consumer and Corporate Affairs will be completed soon. Three copies of Banks' Florilegium, which consists of some 700 original plates, have been set aside for Canadian purchase at a cost of approximately \$100,000 each.

The Board was informed that Miss Matilda Weresub, sister of Dr. Luella K. Weresub, wishes to endow a prize in memory of her sister. It would be awarded for the best paper published by a graduate student in Mycology in each year. The Board accepted the endowment in principle, and established a sub-committee (Drs. W.B. Kendrick, J.H. Soper and I.E.P. Taylor) to prepare terms and conditions for the administration of the award.

The Secretary reported that a brief career pamphlet for distribution on request to schools, colleges, etc., has been prepared, and is being translated into French.

The Treasurer reported that the 1983 subscriptions to the Canadian Journal of Botany and B.C.C. will remain at \$32 and \$7 respectively. The current balance is high, but this is largely due to a large profit from the Guelph meeting, which is not intended for use in general operations. The Board recommended that the Regular membership fee be raised to \$20 per annum, and the Student and Retired membership be raised to \$10 p.a. The matter will now proceed to a mail ballot as soon as possible. The Board also approved an increase in the subscription rate to the *Bulletin* to an amount equal to the current regular annual membership fee.

The Board approved a motion that nominations for the George Lawson and Mary E. Elliott Awards should stand for three years after submission.

At the second meeting held on June 24th, the Board approved the establishment of a sub-committee to examine the establishment of a trust fund to guarantee the award of the George Lawson Award, putting it onto a sound and well-regulated basis, and to consider attaching a cash prize to the Award. Meanwhile, the Treasurer will investigate the relative merits of short and long term investments, and will deposit up to \$5000 as soon as possible in a high interest account.

The Board appointed two Vice-Presidents for 1982-83. Dr. J. Stan Rowe of the University of Saskatchewan will be the CBA/ABC Program Co-ordinator and Dr. Mohan Wali of the University of North Dakota will be the Local Organizing Chairman for CBA/ABC at the 1983 AIBS - CBA/ABC Joint Meeting.

Dr. Mohan Wali reported to the Board on the present status of the 1983 meeting - plans are well ahead, and he is determined that it shall be a truly joint meeting of AIBS and CBA/ABC.

## NEWS FROM THE SECTIONS

### Ecology Section

Chairman: Bruce Roberts, Canadian Forestry Service, P.O. Box 6028, St. John's, Nfld A1C 5X8  
Secretary: Suzanne Warwick, Biosystematics Research Inst., Central Experimental Farm, Ottawa, Ont K1A 0C6

The Executive is suggesting that the Section hold a Symposium on Wetlands at the 1983 Annual Meeting, possibly providing an overview of the subject for Canada and for the U.S. The Executive wishes to encourage members to send items of ecological interest to the *Bulletin*, with a copy to Bruce Roberts.

### General Section

Chairman/Secretary/Treasurer: Joanne Macdonald, Dept. of Forest Resources, Univ. of New Brunswick, NB E3B 6C2

The General Section is considering holding a Teaching Workshop at the 1983 Joint Meeting, possibly in conjunction with the Botanical Society of America. They are also considering the possibility of a Symposium in Palaeobotany.

### Mycology Section

Chairman: James A. Traquair, Harrow Research Station, Harrow, Ont NOR 1G0

Only two members attended the annual meeting of the Section.

Five papers were presented in the Mycology Section of the 1982 Annual Meeting.

The Luella K. Weresub Lecture was given by Dr. Hans Gruen of the University of Saskatchewan.

### Phycology Section

Chairman: Dr. H.C. Duthie, Dept. of Biology, Univ. of Waterloo, Waterloo, Ont N2L 3G1

The Phycology Section held no annual meeting.

### Structure & Development Section

Chairman: Richard I. Greyson, Dept. of Plant Sciences, Univ. of Western Ontario, London, Ont N6A 5B7  
Secretary: Douglas Davidson, Dept. of Biology, McMaster Univ., Hamilton, Ont L8S 4K1

The Section has plans for a Symposium at the 1983 Joint Meeting in Grand Forks.

### Systematics & Phytogeography Section

Chairman: John McNeill, Dept. of Biology, Univ. of Ottawa, Ottawa, Ont K1N 6N5  
Secretary: Judith M. Canne, Dept. of Biology & Genetics, Univ. of Guelph, Guelph, Ont N1G 2W1  
Executive Members: Jacques Cayouette, Robert Ogilvie, John Riley.

The Section has revived the "What's on in Systematics and Phytogeography in Canada" series in the *Bulletin*. Three lists have been published to date. The annual meeting approved the continuation of the committee on a National Repository for Floristic Checklists for one year, and Dr. James Soper was re-appointed as Chairman. The Executive later co-opted Drs Erich Haber and Paul Catling to the committee. There are plans for a Symposium at Grand Forks.

## CONSERVATION COMMITTEE PROGRESS REPORT

The structure and methods of operation of the Conservation Committee are designed to facilitate processing of conservation issues referred to it. Cases can be handled at any time during the calendar year without having to present resolutions to the whole membership or wait for an annual meeting. The procedures used for dealing with issues brought before the CBA/ABC were published in the CBA/ABC *Bulletin* (Vol. 15, No. 1, (1982)). The central committee is composed of five members: Dianne Fahselt (Chair), Vernon Harms, Richard Pharis, George Argus and Paul Maycock. (Maycock is to be replaced during 1982-83 by Tony Reznicek.) Additionally, a series of regional contacts has been set up with one representative for each province or region, who will determine first hand whether concern over a given situation is warranted. If there is genuine cause for concern he/she may oversee any further study deemed necessary and forward available information, along with recommended solutions, to the central committee. Regional representatives may request assistance from amongst the 95 members who have indicated their willingness to contribute expertise to the resolution of local or regional problems.

The following are regional co-ordinators:

|         |              |         |              |
|---------|--------------|---------|--------------|
| B.C.    | R.T. Ogilvie | S. Ont. | A. Reznicek  |
| Alta    | P. Achuff    | Que     | A. Bouchard  |
| Sask    | S. Rowe      | Marit.  | R. Wein      |
| Man     | J. Shay      | Nfld    | B. Roberts   |
| N. Ont. | J. Jeglum    | NWT     | none to date |

Since the committee was originally formed to deal with conservation issues brought to CBA/ABC, most of the efforts of the committee have been directed towards this original purpose. Additionally, however, the committee has attempted to maintain a certain level of liaison with other bodies similarly concerned with preservation, e.g., the newly formed Canadian Council on Ecological Areas. Also, we took a stand in support of the Canadian Environmental Law Association (CELA) when it was threatened by budget cuts. CELA has already assisted the cause of conservation substantially and is potentially capable of providing advice in connection with future controversies.

### Issues Addressed in 1981-82

1. Oriskany sandstone outcrop with associated dry oak-hickory forest (S. Ontario) - A letter was sent to the Ontario Ombudsman recommending that "an environmental protection area" selected by the Flintkote Company in one of its quarries be expanded to include significant plant communities. This effort had no impact and the best of the forested areas will be quarried according to the original site plans.
2. Warblers Woods (S. Ontario) - The CBA/ABC commended the Minister of Natural Resources for Ontario for advocating full documentation of the vegetation in this natural area of provincial significance before rezoning to permit housing development takes place. The Ministry plans to assume responsibility for retaining a competent botanist.
3. Matchedash Lake (Huron District, Ontario) - Representations have been made to the Ministry of Natural Resources (MNR) regarding the inappropriateness of a permanent dam on

this lake due to the requirement of a unique community of water plants for water levels to fluctuate as they would naturally. The Ministry will probably issue a statement of intent to install a structure which would permit control over, and periodical alterations in, water levels. CBA/ABC is preparing to comment on this proposal.

A columnist for an Orilla newspaper, after being taken to task by CBA/ABC for endorsing the actions of a local muskie fisherman who unilaterally built an earth-filled dam with his bulldozer, has since expressed an interest in learning more about botany.

4. The Wetlands Policy for Ontario - CBA/ABC commended MNR for attempting to develop a rationale for dealing with wetlands in the province, and provided a discussion of concerns related to the policies proposed. We offered to participate further in the formulation of the new wetlands policy.
5. Backus Woods (S. Ontario) - CBA/ABC has submitted a position paper on the disposition of the Backus, a tract which constitutes one of the finest remaining stands of Carolinian forest in Ontario (and Canada). T. Carleton has represented CBA/ABC (among other organizations) on the small Interim Committee of the Backus Group. Dianne Fahselt will represent CBA/ABC at future meetings of the full committee.
6. A number of other issues were referred to the committee but have not been pursued for lack of background information regarding those situations.

For further information on the Conservation Committee, or to bring an issue to the attention of the committee, please contact: Dr. D. Fahselt, Chairman, CBA/ABC Conservation Committee, Dept. of Plant Sciences, Univ. of Western Ontario, London, Ont N6A 5B7

D. Fahselt, Chairman  
Conservation Committee

### HERBIER MARIE-VICTORIN (MT)

En juin 1982, Monsieur Ernest Rouleau prenait sa retraite en tant que professeur du Département de Sciences biologiques et que Curateur de l'Herbier Marie-Victorin, Institut botanique de l'Université de Montréal. A la suite de son départ, M. Luc Brouillet a été nommé Curateur. Monsieur Stuart G. Hay l'assiste dans ses fonctions. Ces nominations assurent une continuité à l'Herbier Marie-Victorin, le troisième en importance au Canada. De plus, l'herbier du Jardin botanique (MTJB) est en voie d'être incorporé à Marie-Victorin.

Plusieurs chercheurs, tant l'Institut que du Jardin, se rattachent à divers degrés à l'Herbier. A l'heure actuelle, les travaux se concentrent sur la flore du Québec, sur celle du Canada, et sur des groupes taxonomiques particuliers.

Les échanges sont bienvenues. Pour toute demande d'information, d'échanges ou de prêts (incluant les spécimens de MTJB), veuillez vous adresser au: Curateur, Herbier Marie-Victorin, Institut botanique de l'Université de Montréal, 4101 est, rue Sherbrooke, Montréal, PQ H1X 2B2

Luc Brouillet

An *ad hoc* committee to organize a Flora of North America north of Mexico met at the Missouri Botanical Garden, St. Louis, on April 29 and May 1, 1982. The committee resolved to begin a program that will lead to the publication of a multi-volume synoptical Flora of the vascular plants of the area. The Flora will consist of contributed treatments to be solicited from systematists throughout the U.S. and Canada. The Hunt Institute in conjunction with the Carnegie Museum (Pittsburgh) offered to serve as an operational and editorial centre. These institutions will coordinate editorial activities at other centres, located at and primarily supported by major botanical institutions within the area to be treated. The committee at large appointed an interim steering committee to implement the project and to seek the support and participation of the North American systematic botany community. Presentations of the project will be made at the upcoming CBA and ASPT meetings.

The committee at large consisted of (\* - member steering committee, Canadian participants): G. Argus (CAN), \*D. Bates (BH), W. Burger (F), S. Hatch (TAES), N. Holmgren (NY), T. Jacobsen (Hunt Inst.), M. Johnston (TEX), \*R. Kiger (Hunt Inst.), J. Massey (NCU), \*J. McNeill (OTT), R. Mecklenburg (Chicago Horticultural Soc. Botanic Garden), \*N. Morin (MO), J. Phipps (UWO), \*D. Porter (VPI), P. Raven (MO), J. Reveal (MARY), \*S. Shetler (US), F. Utech (CM), and G. Webster (NSF, observer).

In Canada, support for the project has been given by the National Museum of Natural Sciences and the Biosystematics Research Institute of Agriculture Canada, with the particular involvement of George Argus, National Museum, and Paul Catling, BRI.

For more information about the project, contact: R. Kiger, Hunt Institute for Botanical Documentation, Carnegie-Mellon Univ., Pittsburgh, PA 15213, or John McNeill, Dept. of Biology, Univ. of Ottawa, Ottawa, Ont K1N 6N5

From: News Release  
Steering Committee  
May 1, 1982

#### Report on Organizing Meeting

The purposes of the organizing meeting were to assess the resources available to write and edit the flora, to receive institutional commitments, and to form committees responsible for editing and governing.

The Flora Project, as conceived by Robert Kiger, and endorsed in St. Louis, differs from its predecessors in two vital ways: (1) it is to be supported by a consortium of botanical institutions that will devote resources to it, and not by massive governmental funding; and, (2) it will not rely heavily on computerization.

The meeting was conducted with much good will expressed on all sides, and a positive decision was made to begin a program to produce a flora (see above). Two vital ingredients that will be necessary if the project is to succeed have yet to emerge, however. The institutions present were not able to make a major commitment to the project, and no "editor-in-chief" or equivalent person(s) were identified. The Hunt Institute in association with the Carnegie Museum offered space and part-time services or word-processors, as well as the promise of an editorial manager to

be supported by the U.S. National Science Foundation. Other institutes offered part-time editors and some secretarial assistance, while several others promised to seek new funds to hire post-doctorates to edit and author groups. These contributions add up to several person-years and represent an important step in getting the project underway. The contributions are, inevitably, still diffuse and require the work of one person or of a tightly-knit core of people to integrate them into a flora team. This person(s) (who could be "editor-in-chief" or successive volume editors) must want, more than anything else, to write a flora of North America, and could be involved with the project for ten or more years. The importance of this key person(s) to the success of the flora project cannot be underestimated.

As a result of the deliberations of the organizing meeting, three committees were formed: (1) to prepare a paper on the role of systematic botany and the urgent need for a flora of North America (D. Bates, J. McNeill, P. Raven); (2) to contact potential publishers (R. Kiger, N. Morin, R. Ornduff); (3) an interim steering committee (D. Bates, R. Kiger (Chair), J. McNeill, N. Morin, D. Porter, S. Shetler). The work of the first committee is critical if the idea is to be accepted by granting agencies and the botanical community, but the steering committee embodies the essence of the meeting. This committee was given the responsibility to deal with the many difficult problems that were not easily solved by the organizing meetings. It will attempt to enlist support for the Flora project from the American Association of Plant Taxonomy and the Canadian Botanical Association; it will prepare guidelines for the content, format, and arrangement of the flora; and, it will provide for a governing body that will carry out the Flora idea. The interim steering committee has its work cut out for it during the coming months.

George W. Argus  
John McNeill

#### Emergency Resolutions Presented to the CBA/ABC Annual Meeting, Regina

At the Annual Business Meeting of the Association held at Regina on June 23, 1982, the following resolutions, proposed by Dr. J. McNeill and seconded by Drs. G.W. Argus, P.A. Catling, M. Shaw and J.H. Soper, were adopted without dissent:

"The Canadian Botanical Association 1) reaffirms its conviction that a modern systematic account of the vascular plants of North America is urgently needed; 2) approves the steps taken by Dr. R.W. Kiger (Hunt Botanical Institute, Pittsburgh) and the *ad hoc* committee that met in St. Louis on April 30-May 1, 1982, to achieve this goal by the production of a Synoptical Flora of North America north of Mexico; 3) recognizes the support being given to the project by the Canadian national systematic institutes and the Canadian members of the *ad hoc* committee; and, 4) urges relevant grant-awarding bodies to provide financial support to the program".

"It is further resolved that copies of this resolution be sent to the Executive Director of the National Sciences and Engineering Research Council, to the Directors of the Biosystematics Research Institute and the National Museum of Natural Sciences, and to the Secretaries of the Botanical Society of America and the American Society of Plant Taxonomists".



The following information was received too late to be included in the list printed in the April issue of the CBA/ABC *Bulletin*.

### III. THE ATLANTIC REGION

#### A. NEWFOUNDLAND

MEMORIAL UNIVERSITY, ST. JOHN'S

Guy R. Brassard — is continuing floristic and phytogeographical studies on the mosses and liverworts of Newfoundland, Labrador, and the Canadian Arctic Archipelago. He is also continuing his studies on the moss family Timmiaceae.

René J. Belland — began work on a Ph.D. in the fall of 1981. The topic is the disjunct bryophyte element in the Gulf of St. Lawrence region.

James Bridgland — is nearing the end of his M.Sc. study on the flora and terrestrial plant communities of the Cape Herschel region, Ellesmere Island, N.W.T.

Marc Favreau — is starting a study of bryophytes associated with the northern outposts of sugar maple stands in Gaspé.

#### DID YOU KNOW?

- The cost of mailing the CBA/ABC *Bulletin* to Canadian members has increased by approximately 60%, due to the new postal rates instituted in January. The cost per year could amount to approximately \$900.
- A number of issues are returned from every mailing marked "No Such Address", "Address Incomplete" or "Moved, Address Unknown".
- Providing a Change of Address form to your post office is not infallible — at least one of Canada Post's changes of address has been returned "Address Incomplete".
- The one address that rarely creates problems is that of a University or Institution.

I have investigated various ways of reducing the postal costs to CBA/ABC, and have concluded that sending packages of pre-addressed *Bulletins* to one member in each university or institution is one method of achieving this. This system was partly in operation for the April issue, and saved over \$60. I am now trying to increase the number of packages that I can send. This is the reason why you may receive your copy of the *Bulletin* unstamped!

Of course, the more mailing addresses that we have to universities and institutions, the more we can save by sending packages, and the fewer issues will be returned.

This, then, is an appeal for those members who are associated with a university or institution, to use that address as their mailing address for the Association.

Remember — we hate to lose members, but I pass on information about non-delivered mail to the Secretary, who maintains the computerized address list. If we receive no other address information (or complaint about non-receipt of a mailing), then the "wrong" address is deleted from the list and you are "lost forever"!

In the January 1982 issue of the CBA/ABC *Bulletin* it was pointed out that there is an increasing tendency, in cases where plants are threatened by commercial or other developments, to suggest that they can be transplanted to another location, thereby allowing the development to proceed and the natural habitat of the plant to be destroyed. There is a dearth of case history literature on attempts to transplant rare or endangered species. It would be very useful if members who know of any such attempts could share their information with fellow botanists through the *Bulletin*.

The following example is one of the few cases where transplantation was adopted as a last ditch attempt to save a species from extinction in one of its isolated populations.

*Schoenus ferrugineus* L. (Cyperaceae) was one of Britain's rarest plants, growing only in the wet base-rich peaty flushes on the margin of Loch Tummel in Perthshire. The level of the loch was raised for hydro-electric purposes after the Second World War. Attempts by naturalists and conservationists to prevent this taking place and to preserve the species in its natural habitat failed. In a final attempt to save the British population of this species, members of the Botanical Society of the British Isles transplanted most of the population from its original habitat to similar habitats at the raised lake level. Though the plant survived for a few years, it eventually died out and is now believed to be extinct in Britain.

In this case attempts to move a species only a few yards to apparently very similar or identical habitats failed. Why they failed is not fully understood, so far as I know, but many species are very closely and intimately adapted to the physical environment in which they grow and to the multitude of other organisms in that particular ecosystem. We would be naive to underestimate the complexities of these inter-relationships.

Transplantation is at best a very chancy operation, and its outcome cannot be predicted with certainty for any species or population without prior experimentation over a long period of time.

J. K. Morton  
Univ. of Waterloo

#### HELP!

The Secretary and Editor would appreciate assistance in obtaining the correct address of the following member. All mail since March has been returned "Address Incomplete", for reasons that seem obscure to us.

Ann Smreciu, 6545 III St., Edmonton, Alta T6H 5R4

#### PERSONAL COLUMN

"Attractive, willing flower, newly opened, seeks suitable pollinator for sincere relationship."

(From: *The Sex Life of Plants*, Alec Bristow)



When the cold winds blow and the temperature plummets, Canadian fungi make themselves scarce, but not so Canadian mycologists. For the third consecutive winter this hardy crew has sought solace in the warmth of mutual interest. This Mycology Workshop attracted approximately 70 participants who slushed in from throughout Ontario, Quebec, Nova Scotia, New York, Vermont, and Minnesota. The two-day event was organized and graciously hosted by Dr. Bill Illman, ELBA, Carleton Univ., Ottawa. Eighteen papers and posters touched on fungal ultrastructure, physiology, morphology, cytology, distribution, taxonomy, mycotoxin detection, and biological control. Abstracts of these contributions are available from Dr. Illman.

Symbiosis was the theme of the two invited lectures. Dr. Ralph Estey (Macdonald College, Montreal) provided a biographical and anecdotal history of mycology in Canada. Our present strength in mycology is firmly rooted in the interactions of past scientific societies that locally fostered mycophilia in their memberships.

From the human roots of modern mycology we moved on to human exploitation of "fungus roots". Dr. J. André Fortin (Université Laval, Québec) presented an overview of mycorrhizae emphasizing the current push for practical mycorrhizal applications and the simultaneous lagging behind of fundamental research.

The success of this year's workshop provides the momentum for even greater participation in future years.

Shannon M. Berch

## BOOK REVIEW

Home Solar Gardening, by John H. Pierce. 1981. Published by Van Nostrand Reinhold Ltd. \$8.95

John H. Pierce has done it again! After the disappointment of seeing the publisher of his earlier Greenhouse Grow How go bankrupt, Mr. Pierce has come up with a thoroughly practical guide to help layman and professional alike make best use of their environment to enjoy living plants as a part of everyday life.

Not only does he discuss the practicalities of various types of solar efficient structures but he also shares his lifetime of experimenting with growing techniques and with varieties of plants' adaptable to growth under glass. As a bonus, he even adds a short chapter on beauty care recipes, using the plants you can grow.

I can recommend this title as interesting reading whether one wishes to get on with the job or only enjoy the luxury of reveries.

W. I. Illman  
Carleton Univ.  
Ottawa

NOTE: Although Greenhouse Grow How is officially out-of-print, the author has some copies that may be obtained by contacting him (R.R. 1, Niagara-on-the-Lake, Ont). The price is \$10.00 (Canadian). Dr. Illman suggest that anyone interested in greenhouse gardening ought to have a copy at hand.

The Sunflower Family (Asteraceae) of British Columbia, Volume 1 - Senecioneae, by George W. Douglas, with illustrations by Elizabeth J. Stephenson. 1982. Occasional Paper No. 23, British Columbia Provincial Museum, Parliament Buildings, Victoria, B.C. V8V 1X4. 180 pp. \$6.00 Can.

This is the first in a projected five volume series on the Asteraceae of B.C. Volume 1 will be available in July from the B.C. Provincial Museum. It is anticipated that Volume 2 will be published in December 1982, with the remaining volumes appearing in successive years.

Plants of Essex County: A Preliminary List, compiled by Wilfrid Botham. 1981. Essex Region Conservation Authority, 360 Fairview Ave. West, Essex, Ont N8M 1Y6. xiv + 225 pp. \$8.50 Can.

Only 500 copies of the book have been printed, and there are no plans for a second printing. Orders will be filled on a first come, first served basis by writing to the publishers. The price includes postage and handling.

Collins Field Guide to the Wild Flowers of South-East Australia, by Jean Galbraith. 1977. William Collins Sons & Co. Ltd., Sydney. 450 pp. \$13.95 U.S.

The first Australian title in Collins' world-famous Field Guide series. The book is obtainable in North America from: The Marketing Director, ISBS, P.O. Box 1632, Beaverton, OR 97075.

Triggerplants, by Rica Erickson. 1981. University of Western Australia Press, Perth. 229 pp. \$28.50 U.S. (First published in 1958).

The first comprehensive work in the English language on this intriguing group. Obtainable from ISBS (address above).

Western Australian Plant Names and Their Meanings A Glossary, by F.A. Sharr. 1978. University of Western Australia Press, Perth. 228 pp. \$24.95 U.S. Paperback.

Includes a brief chronology of botanical collecting in Western Australia to 1850. Obtainable from ISBS (above).

Wild Food in Australia, by A.B. & J.W. Cribb. 1976. Fontana Books, William Collins Publ. Pty. Ltd., Sydney. 240 pp. \$6.50 U.S. (First publ. 1975 by Collins, repr. in 1980)

The colour plates have been specially painted by Charles McGubbin, one of Australia's finest botanical artists. Obtainable from ISBS (above).

Induced Mutations - A Tool in Plant Research. Proceedings of an International Symposium on Induced Mutations as a Tool for Crop Plant Improvement jointly organized by the International Atomic Energy Agency and the Food and Agriculture Organization of the United Nations, and held in Viennam 9-13 March, 1981. International Atomic Energy Agency, Vienna. (8) + 538 pp. 840 Aust. Sch. Softcover.

Advances in Botanical Research. Volume 9, edited by H.W. Woolhouse. 1981. Academic Press Inc. (London) Ltd., London. xii + 280 pp. \$49.50.

## PERSONALIA

*Dr. Vladimir J. Krajina* of the University of British Columbia has received another honour in his long and distinguished career. UBC conferred the honorary degree of Doctor of Science on him on May 27 during the 1982 Congregation ceremonies. Dr. Krajina has been a member of the UBC faculty since 1949, and was appointed Professor Emeritus of Botany following his retirement from full-time teaching and research in 1973. However, he is still very actively involved in research and in the Ecological Reserves Program in British Columbia.

*Dr. Arthur N. Langford* has returned to Lennoxville after spending four years with CIDA teaching biology and establishing a Department of Biology at the University College of Swaziland, Kwalushu, Swaziland. In June 1980 he organized a national conference, "Strategies for Increasing Agricultural Production in Swaziland". During his absence, he was awarded the title Professor Emeritus (Botany) at Bishop's University. Dr. Langford is lecturing intensively to schools, mainly in Quebec, on his African experiences. He would be willing to sally forth to other regions, by arrangement with a provincial department of education, with programs that have been very well received in Quebec.

### New Members

Gary D. Armstrong, Dept. of Botany, Univ. of British Columbia, Vancouver, B.C. V6T 2B1 (S)  
Richard Bigley, 2128 Arbutus, Vancouver, B.C. V6J 3X8  
Edward Dobyns, #4 - 1610 Fernwood Rd., Victoria, B.C. V8T 2Y1 (S)  
Greg Henry, Biology Dept., Erindale College, Mississauga, Ont L5L 1C6 (S)  
Thomas Krickl, School of Forestry, Lakehead Univ. Thunder Bay, Ont P7B 5E1 (S)  
Peter F. Lee, Dept. of Biology, Lakehead Univ., Thunder Bay, Ont P7B 5E1 (R)  
Ms. Joanne E. Macdonald, Forest Resources, Univ. of New Brunswick, Fredericton, N.B. E3B 6C2 (R)  
Alan McHughen, Crop Science, Univ. of Saskatchewan, Saskatoon, Sask S7N 0W0 (R)  
Robert Redmann, Dept. of Plant Ecology, Univ. of Saskatchewan, Saskatoon, Sask S7N 0W0 (R)  
Mirek Sharp, 12 Dekay St., Kitchener, Ont N2H 3T2 (S)  
Gregory Taylor, Dept. of Biology, Queen's Univ., Kingston, Ont K7L 3N6 (S)  
Ms. Elizabeth Vincent, 3851 33rd St. West, Saskatoon, Sask S7L 5W7 (S)

### Address Changes

T.S. Bakshi, Athabaska Univ., 12352 - 149 St., Edmonton, Alta T5V 1G9 (R)  
Harry Beach, General Delivery, Richibuctom N.B. EOA 2M0 (R)  
V.R. Brownell, R.R. #1, Monkland, Ont K0C 1V0 (R)  
Heidi den Haan, Dept. of Zoology, Univ. of Manitoba, Winnipeg, Man R3T 2N2 (S)  
George W. Douglas, R.R. #2, 6200 North Rd., Duncan, B.C. (R)  
Daniel Gagnon, Dépt. des Sciences biologiques, Univ. du Québec à Montréal, Case postale 8888, Succursale "A", Montréal, PQ H3C 3P8  
Roger Garrod, Dept. of Botany, Univ. of Manitoba, Winnipeg, Man R3T 2N2 (S)  
Patricia MacLellan, Dept. of Botany, Univ. of Toronto, Toronto, Ont M5S 1A1

Mary Measures, Atomic Energy Central Board, P.O. Box 1046, Ottawa, Ont K1P 5S9 (R)  
Donald Mitchell, David Thompson Univ. Centre, 820 10th St., Nelson, B.C. V1L 3C7 (R)  
Petra Mueller, Dept. of Botany, Univ. of Toronto, Toronto, Ont M5S 1A1 (S)  
Anne Sainte-Marie, 1410 de Repentigny #1, Quebec, PQ G1S 1Y6  
Dr. Jane Seabrook, Research Station, Agric. Canada, P.O. Box 20280, Fredericton, N.B. E3B 4Z7 (R)  
Alina Zinovleva-Stahevitch, Biosystematics Res. Inst., Central Exper. Farm, Ottawa, Ont K1A 0C6 (R)

### Welcome Back

F.J.F. Fisher, Dept. of Biosciences, Simon Fraser Univ., Burnaby, B.C. V5A 1S6  
R. Sattler, Biology Dept., McGill Univ., Montreal PQ H3A 1B1  
Dale H. Vitt, Dept. of Botany, Univ. of Alberta, Edmonton, Alta T6G 2E9

## FORTHCOMING MEETINGS

3rd Eastern Cactus and Succulent Conference, October 8-10, 1982, at the Marriott Hotel, Somerset, NJ. The meeting will be hosted by the New Jersey Chapter. There will be talks on cactus and succulent culture on October 9, and cactus and succulent workshops on the morning of October 10. Part of the program will be directed towards the problems of growing cacti and succulents in eastern U.S. and Canada. All plant lovers are invited to attend.

For further information, contact:- Ms. S. Crawley, 59 Hobart Ave., Trenton, NJ 08629

Conference on Prairie Landscapes, October 27-28, 1982, at the University of Calgary, Calgary. This 2 day conference will be of interest to landscape architects, geographers, historians, ecologists, architects, planners and anyone else with an interest and concern in prairie landscapes. The conference will provide opportunities for participants to listen to and discuss various aspects of prairie landscapes. Presentations and workshops will be concerned with the following themes:- perceptions of the prairie landscape; transformations of and adaptations to the landscape; and, re-evaluation of prairie landscapes and interventions by the design professions.

Conference organizers invite papers from individuals or groups addressing one or more of the themes above. Topics might include:- changing attitudes and perceptions over time; unique perspectives (geologists, agriculturists, economists, ecologists, painters, poets, etc.); individual or group efforts that have changed or transformed the landscape; institutional or government approaches, policies, impacts; corporate activities and their effect (resource extraction, urban development, etc.); new roles for resource managers, landscape architects, etc.

Those interested in presenting a paper should send a 500 word abstract or make further enquiries to:- Prairie Landscapes, Prof. Sue Donaldson, Faculty of Continuing Education, The University of Calgary, Calgary, Alta T2N 1N4  
Deadline date: August 16, 1982. Registration fee: \$30.00 (Can).

International Chrysophyte Symposium, August 1983, at Grand Forks, ND. This Symposium will be held immediately following the Joint Meeting of CBA/ABC - AIBS. More information will be provided later.

International Organization of Plant Biosystematists, July 17-21, 1983, at McGill University, Montreal. Attendance at the meeting will be limited to 150. The program is presently being arranged. It is planned to have the proceedings published.

For information on attendance or participation, please contact:- Dr. William F. Grant, Genetics Laboratory, Box 282, Macdonald Campus of McGill University, Ste. Anne de Bellevue, PQ H9X 1C0

#### PUBLICATIONS FROM THE NATIONAL MUSEUMS OF CANADA

The Comfortable Arts: Traditional Spinning and Weaving in Canada by Dorothy K. Burnham. 1981. National Gallery of Canada. 224 pp. \$19.95 (pb)

Bolognese Drawings in North American Collections by Mary Cazort and Catherine Johnston. 1981. National Gallery of Canada. 304 pp. \$29.95 (pb)

The Squirrels of Canada by Shirley E. Woods, Jr. 1980. National Museum of Natural Sciences. 200 pp. \$29.95 (hb)

Natural History Notebooks by Charles Douglas. Each contains 52 pen-and-ink illustrations. Notebooks 1 and 2 are on Canadian Wildlife, No. 3 on some of the world's most interesting animals, and No. 4 on rare, endangered and extinct species. National Museum of Natural Sciences. \$2.50 each (pb)

Edible Wild Plants of Canada series by Adam F. Szczawinski and Nancy J. Turner. Four volumes — Edible Garden Weeds of Canada, Wild Coffee and Tea Substitutes of Canada, Wild Green Vegetables of Canada, and Edible Wild Fruits and Nuts of Canada. National Museum of Natural Sciences. \$9.95 each (spiral binding)

The Covenant Chain: Indian Ceremonial and Trade Silver by N. Jaye Fredrickson and Sandra Gibb. 1980. National Museum of Man. \$17.95 (pb), \$24.95 (hb)

The Drawings of Alfred Pellán by Reesa Greenberg. 1981. National Gallery of Canada. \$14.95 (pb)

Mr. Jackson's Mushrooms edited and with an introduction by Mimi Cazort. 1979. \$35.00 (hb)

These books are all available in either French or English editions.

Order from: National Museums of Canada, Ottawa, Ont K1A 0M8

*The Bulletin of the Canadian Botanical Assoc.*

Editor:- Mrs. Sylvia Taylor  
Office of The Botanical Garden  
University of British Columbia  
6501 N.W. Marine Drive  
VANCOUVER, B.C. V6T 1W5

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To ensure prompt delivery of the *Bulletin* please notify the Editor of any change of address as soon as possible.

Inquiries about membership of the CBA/ABC should be addressed to the Secretary of the Association:- Dr. I.E.P. Taylor, Department of Botany, University of British Columbia, VANCOUVER, B.C. V6T 2B1