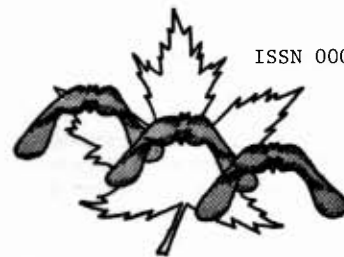


THE CANADIAN BOTANICAL ASSOCIATION

# 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 GÉNÉRALE DU CANADA

THE LUELLA K. WERESUB MEMORIAL AWARD

With the untimely death of Dr. Luella Weresub three years ago the mycological community in Canada (and, indeed, around the world) lost a most remarkable colleague. Those of us who knew her well treasured her warm friendship, her sparkling wit, her encyclopaedic knowledge of botanical nomenclature, her passionate love of the English language, the flawless logic with which she demolished many of our best hypotheses, and, above all, her all-encompassing humanity. She is missed as few of us will be.

After her death a library fund was established in her memory, but I was not convinced that this was sufficiently people-oriented to be an entirely suitable tribute, nor that it would generate the broadest support. In conversations with her sister Matilda earlier this year, I suggested an alternative: an award that would ease the financial strain on graduate students (a strain Luella was only too aware of in her own student days), and would also help students with their career by encouraging them to write up and publish their research (and do it in a manner of which Luella would have approved). Matilda graciously consented to this scheme, and promised her support.

She has subsequently made a donation of \$10,000 to endow the award, and I am sure that the entire mycological fraternity will join me in expressing our gratitude for this most generous gesture. A special Committee of the Canadian Botanical Association has been set up to establish the terms and conditions of the award. As Miss Weresub wishes, the award will be made each year to the graduate student in mycology at a Canadian University who publishes the best paper in the current year. The papers submitted for consideration will be judged both on their scientific merit and on their presentation (and in particular their use of language) by a panel of professional mycologists who, at least for the foreseeable future, will be drawn from among those who knew Luella and appreciated her intellectual concerns.

I will close this brief introduction to the new Award by announcing that I will personally contribute \$1,000 to the endowment fund, and by challenging my friends and fellow-mycologists who knew and respected Luella to match my contribution, and make this the truly prestigious award that it deserves to be.

Bryce Kendrick  
Dept. of Biology  
Univ. of Waterloo

## FALL EXECUTIVE MEETING NOTES

Once again, the Executive tested the ability of the telephone company, holding the Fall Conference Call on November 26. This year, the call included participants across Canada, from Vancouver to St. John's, as far north as Saskatoon, and south to Grand Forks, N.D. The 90-minute call included an incredible range of topics that have to be covered at any Executive meeting. Some of the highlights are summarized below.

The President, on behalf of the Conservation Committee, has written several letters on various conservation issues re: Warbler's Woods (Byron Woodlot); Ecological Reserves in Saskatchewan; Grasslands National Park, Sask.; and, Gilfillan Lakes, Yarmouth Co., N.S. He has also written to the B.C. Minister of the Environment supporting the South Moresby Island Wilderness Proposal and drawing attention to the need to conserve the Dolomite (Barnaby) Narrows, both in the Queen Charlotte Islands.

The Secretary reported that the ballots on Fee increases and Life Membership both passed. The fee increase passed 95.1% for, 4.9% against; Life Membership passed 91.3% to 7.6%, with 1.1% abstention.

The Executive approved the donation of \$200 to a project to restore the grave of Stephen Hales to form a memorial to this pioneer plant physiologist. The American Society of Plant Physiologists are administering the project, and have undertaken to raise \$4,000 of the total \$6,000. All donors to the project will be represented on a plaque to be placed on the on the grave.

The Association has received a donation of \$10,000 from Miss Matilda Weresub to set up a memorial to her sister Luella. Drs. W.B. Kendrick, J.H. Soper and I.E.P. Taylor are drafting the terms and conditions for administering the Award. Mr. Charles E. Beil (once a botanist, now a lawyer) is working to obtain a tax-exempt status for CBA/ABC.

The Treasurer reported that the financial affairs of the Association are in good order, with \$5,000 deposited in a trust account for future endowment of the George Lawson Award (as directed at the June 24th Directors Meeting) and the \$10,000 from Miss Matilda Weresub also to be deposited in a high interest trust account. A few members have resigned from CBA/ABC because of the increased membership fee, but they have been offset by an increase in new members.

The Vice-Presidents, Stan Rowe and Mohan Wali, reported on various aspects of the 1983 Meeting in Grand Forks, N.D. CBA members have taken the lead in organizing three of the symposia to be held. The Weresub lecture will be given by Dr. Kris Pirozynski.

The Editor of the *Bulletin* reported that the printing costs are still rising, although it is hoped that the increases will be reduced in 1983, but the mailing costs are being slowly reduced as more and more bulk packages can be sent. The total cost of the *Bulletin* in 1982 was \$3152.59 (printing - \$2363.32 (including envelopes and extra flyers); postage - \$789.27) or \$7.33 per member. The proposed postal increases in early 1983 will increase the cost to CBA/ABC by approximately \$10 per issue.

The Executive accepted an invitation from the Université de Montréal and Association botanique de Québec to hold the 1987 CBA/ABC Annual Meeting at Montréal.

One item was omitted from the report of the June Directors Meetings, printed in a previous issue of the *Bulletin*. The Directors approved the renewal of the term of office of the Editor of the *Bulletin* for a further 3 years, beginning in January 1983. This was in accordance with the By-law changes enacted earlier last year.

## CBA/ABC ANNUAL MEETING 1983

All advance information on the joint CBA/ABC and A.I.B.S. Annual Meeting to be held in Grand Forks, N.D., is provided in the enclosed supplement, provided by A.I.B.S.

### Symposium Announcement

There will be a jointly sponsored half-day (morning) symposium on The Structural and Developmental Basis of Phenotypic Plasticity with invited speakers. It is planned to follow this with an afternoon session for submitted papers on the same topic. Contributors wishing to participate in the afternoon session should so indicate on the Abstract Form sent to Dr. J. Stan Rowe, Dept. of Plant Ecology, Univ. of Saskatchewan, Saskatoon, Sask S7N 0W0.

### Call for Abstracts

The Call for Abstracts was sent out by Dr. J. Stan Rowe in late December. Anyone who has not received the Call should contact Dr. Rowe immediately (address above), as the closing date for Abstracts is February 15, 1983.

## FIRST INTERNATIONAL CHRYSOPHYTE SYMPOSIUM

The First International Chrysophyte Symposium will be held on August 12-16, 1983, at the University of North Dakota, Grand Forks, N.D., immediately following the joint CBA/ABC - AIBS Annual Meeting. The Symposium is sponsored by the Phycological Society of America to discuss the Chrysophyceae. Topics will include the biochemistry, cell biology, ecology, genetics, morphology, phylogeny, physiology, systematics, taxonomy, and ultrastructure of both freshwater and marine Chrysophyceae. The Symposium will include formal paper sessions with selected papers published in a Symposium Volume, informal discussion periods, and a collecting trip to Itasca State Park.

Abstracts for papers are due May 15, 1983. For additional information and to receive the second circular, please contact: Dr. Robert A. Andersen, Department of Biological Sciences, De Paul University, 1036 W. Belden Ave., Chicago, Ill 60614. Phone: (312) 321-8171.

In addition to the above, a "mini-symposium" on chrysophytes will be held during the Phycological Society of America annual meetings on the morning of Thursday August 11, 1983, during the CBA - AIBS Meeting, with 5 invited speakers. For further information, contact Dr. Andersen, address above.

## OFFICERS OF CBA/ABC 1982-1983

President:	Dr. James H. Soper Nat.Mus.Mat.Sci., Ottawa
Past-President:	Dr. James B. Phipps Univ. of Western Ontario
Vice-Presidents:	Dr. J. Stan Rowe Univ. of Saskatchewan Dr. Mohan K. Wali Univ. of North Dakota
President-Elect:	Dr. W. George Barker Univ. of Guelph
Secretary:	Dr. Iain E.P. Taylor Univ. of British Columbia
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Editor <i>Bulletin</i> : ( <i>ex off.</i> )	Mrs. Sylvia Taylor UBC Botanical Garden
Archivist:	Dr. W.I. Illman Carleton Univ.

## ADDRESS CHANGE

Mohan Wali has moved! Effective January 1, 1983, his address will be:- Dr. Mohan K. Wali, State University of New York, College of Environmental Science and Forestry, Syracuse, NY 13210. Telephone: (315) 470-6636. He will continue as Local Organizing Chairman for the 1983 Meeting, and the plans will proceed as before.

## NEWS FROM THE SECTIONS

### Ecology Section

Chairman: Bruce A. Roberts, Canadian Forestry Serv., P.O. Box 6028, St. John's, Nfld A1C 5X8

### General Section

Chairman: Joanne Macdonald, Dept. of Forest Resources, Univ. of New Brunswick, Fredericton, N.B. E3B 6C2

### Mycology Section

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

### Phycology Section

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

### Structure & Development Section

Chairman: Richard I. Greyson, Dept. of Plant Sciences, Univ. of Western Ontario, London, Ont N6A 5B7

### Systematics & Phytogeography Section

Chairman: John McNeill, Dept. of Biology, Univ. of Ottawa, Ottawa, Ont K1N 6N5

## CALL FOR RESOLUTIONS OF POLICY TO BE PRESENTED TO THE ANNUAL MEETING

Resolutions for presentation to the Annual Meeting of CBA/ABC to be held in Grand Forks, N.D., U.S.A., in August 1983, MUST BE DELIVERED TO THE SECRETARY OF THE ASSOCIATION NO LATER THAN WEDNESDAY, JUNE 1, 1983.

Members are referred to the Association's By-laws 68-77 for details of the nature and preparation of such resolutions.

All resolutions for presentation:-

- should declare the policy of the Association on matter(s) that shall be forwarded outside the Association,
- shall be carefully worded,
- require a mover and 4 seconders, all of whom must be members in good standing,
- must be accompanied by a supporting brief,
- must be accepted by the Board of Directors before presentation to the Annual Meeting,
- must be presented in person by one of its sponsors,
- require the approval of two-thirds of the members present and voting at the Annual Meeting.

Send resolutions and accompanying material to:- Dr. Iain E.P. Taylor, Secretary, CBA/ABC, Dept. of Botany, Univ. of British Columbia, Vancouver, B.C. V6T 2B1.

Iain E.P. Taylor

## LIONEL CINQ-MARS AWARD

The following regulations will apply to the judging for the Award:-

- The Lionel Cinq-Mars Award shall be given for the best student paper presented at the Annual Meeting of the CBA/ABC.
- Any *bona fide* student enrolled at any Canadian institution of higher learning is eligible.
- Guidelines to competitors:-
  - The paper will be presented during the appropriate session as determined by the program committee.
  - Adjudication will be on the basis of: Content, 60% (originality, technical expertise, and associated subject knowledge), and Presentation, 40% (clarity and logical flow, value of visual aids if appropriate, audibility and 'presence').

The Lionel Cinq-Mars Award, a cheque for \$100, is presented at the Annual Meeting of the CBA/ABC based on a decision made by a judging panel chaired by the President-Elect. The panel is composed of one member from each of the Sections of the Association, with the addition of a francophone member if the preceding are all English-speaking.

A student member wishing to compete and be considered for the Award must so indicate on the Abstract Form when submitting it to the organizing committee for inclusion in the program of contributed papers. Failure to indicate the decision to enter the competition, by checking the appropriate box on the Abstract Form, even though unintentional, cannot be corrected later.

George W. Barker, Chairman  
Judging Panel, Lionel Cinq-Mars Award

The 1984 Annual Meeting will be held on the Fredericton campus of the University of New Brunswick. The committee is already planning for the event.

The Annual Meeting will be held on June 24-27. The main symposium will be held on Monday morning, June 25, and the proposed topic is "Development of Woody Plants". There will be no more than two concurrent sessions at any time, and these will be held on Monday afternoon, Tuesday morning, and all day Wednesday. The mid-meeting field excursions will be held on Tuesday afternoon, June 26. The Society's Annual Banquet will be held on Wednesday evening, June 27.

The local organizing committee consists of: Dr. A.R.A. Taylor, Chairman; Mr. H.R. Hinds, Secretary; Dr. R.T. Riding, Dr. R.W. Wein, Dr. B. Sreenivas, Dr. G.R. Powell, Ms. J. MacDonald, Dr. J.E.A. Seabrook, and Dr. L.A. Dionne, members.

#### Proposed mid-meeting field trips (June 26)

The following field trips have been proposed:

1. The Nashwaak Experimental Watershed Project Area of the Acadian Forest north of Fredericton.
2. Palaeobotany and ecology of the Minto area (deep strip-mine coalfield).
3. Vegetation and agriculture of the Saint John River valley.
4. Marine vegetation of the Bay of Fundy shore.
5. General interest visit to the King's Landing Historical Settlement.
6. Visits to laboratories — University and Federal and Provincial laboratories.

#### Possible pre- or post-meeting field trips

The following pre- or post-meeting field trips have been proposed:

1. 3 or 4 day circuit of New Brunswick areas of botanical interest, including Fundy and Kouchibouquac National Parks.
2. 2 day trip to St. Andrews, Deer Island, and the Fundy coast, returning to Fredericton.

All excursions will be provided if sufficient interest is shown in response to the final announcement that will be made in the Bulletin next January.

Suggestions and requests for particular activities or topics are solicited now for consideration by the organizing committee. All correspondence should be addressed to: Mr. Hal Hinds, Curator, The Connell Memorial Herbarium, Biology Department, University of New Brunswick, Bag Service #45111, Fredericton, N.B. E3B 6E1

PLAN AHEAD NOW TO ENJOY MARITIME HOSPITALITY AND SEAFOOD AS YOU RENEW ACQUAINTANCES AND HEAR WHAT'S HAPPENING IN BOTANY IN CANADA.

FREDERICTON, JUNE 24-27, 1984

A.R.A. Taylor, Chairman  
1984 Organizing Committee

#### DID YOU KNOW?

The dime isn't worthless in spite of inflation. In an emergency it makes a good screwdriver.

Anon

#### GOLD MEDAL AWARD

The Biological Council of Canada (B.C.C.) has announced the establishment of the 'Gold Medal Award of the Biological Council of Canada'. The Gold Medal will normally be awarded to a member of one of the constituent societies of B.C.C., and shall be awarded for outstanding contributions to the advancement of Biology in Canada. However, it is not intended solely to recognize outstanding scholarship in one of the sub-disciplines of biology. The B.C.C. has established a Standing Committee, the B.C.C. Medal Committee, which will solicit nominations for the award from the Executive Committees of all B.C.C. constituent societies, and will then make a recommendation to the B.C.C. Executive. The award will be announced by the President at the Spring Meeting of the Council, and be presented to the recipient by the President, or Vice-President, at the next Annual Meeting of the recipient's scientific society. The deadline for submission in writing of nominations to the Chairman of the Medal Committee will be February 15th of each year. Nominations shall stand for 3 years, but should be revised annually. It is intended that the Gold Medal shall be an annual award, but may not necessarily be made every year.

#### FIELD STATION SURVEY

The B.C.C. has recognized a major problem with respect to funding and priorities in Canada's field stations. As a first step towards developing a policy with respect to these field stations, B.C.C. is undertaking a Canada wide inventory. This was found to be necessary because of the lack of recent and complete information on the plethora of field stations operated by universities, governments, and other agencies in this country. The President has received a very enthusiastic response from individuals with an interest in field stations, and is developing a proposal to place before the Science Council of Canada for assistance in the production of the inventory.

WATCH THIS SPACE FOR FURTHER NEWS ON THE  
FIELD STATION SURVEY!

#### I.U.B.S. NEWS

Dr. John McNeill of the University of Ottawa has been appointed to the Canadian National Committee for the International Union of Biological Sciences for a term ending on December 31, 1985.

#### NEW APPOINTMENT AT UBC BOTANICAL GARDEN

The Botanical Garden of the University of British Columbia is pleased to announce the appointment of Dr. Gerald B. Straley as Research Scientist and Curator of Collections, effective December 1, 1982. Dr. Straley has published a number of scientific publications concerned with *Oenothera* and *Arnica*. He has long-term interests in the flora of British Columbia, native plant cultivation and the role of perennials as ornamental plants in landscape architecture.

## CONSERVATION COMMITTEE CORRECTION

There was a mistake in the committee members as printed in the Conservation Committee Progress Report (*Bulletin* 15(3):30).

The correct central committee is: Dianne Fahselt (Chair), George Argus, Vernon Harms, George Ledingham, and Tony Reznicek.

Dianne Fahselt, Chairman  
Conservation Committee

## LA SOCIÉTÉ D'ANIMATION DU JARDIN ET DE L'INSTITUT BOTANIQUE

Jardin botanique de Montréal: 1931-1981. Numéro spécial en l'honneur du 50e anniversaire du Jardin botanique de la Ville de Montréal. Bulletin de la S.A.J.I.B. V.6 No. 3-4. 136 pp. \$5.00 plus les frais de poste (\$1.50).

Ce numéro spécial du Bulletin de la S.A.J.I.B. (Société d'animation du Jardin et de l'Institut botaniques) comprend les textes des conférences données lors du colloque qui a eu lieu du 2 au 4 octobre 1981 en l'honneur du 50e anniversaire du Jardin botanique de la Ville de Montréal. C'est la première fois qu'un document de cette importance sur le Jardin botanique est publié.

Pendant 50 ans d'existence, le Jardin botanique de la Ville de Montréal a toujours occupé une place au premier rang dans les domaines de la botanique, de l'horticulture et de l'architecture du paysage québécoises.

Les textes de ce numéro de près de 150 pages sont regroupés sous deux thèmes qui illustrent bien l'orientation du Jardin: la vocation scientifique et la vocation éducative.

Les conférences scientifiques portent sur des disciplines botaniques où se sont illustrés plusieurs membres du Jardin: la systématique, la biogéographie, l'ethnobotanique, la morphologie et l'horticulture. Les auteurs, que l'on compte parmi les principaux botanistes de la Province de Québec, présentent, en quelques pages, l'état des connaissances dans leurs domaines de recherches respectifs.

L'aspect éducatif du Jardin botanique est souligné par des articles sur ses collections et son implication au niveau de l'aménagement horticole de la Ville de Montréal. Écrits pour la plupart par des membres du personnel du Jardin botanique, ces articles montrent la richesse des collections du Jardin et font mieux connaître certains groupes de plantes encore peu utilisés en horticulture québécoise. On y retrouve une foule de renseignements sur des sujets aussi variés que les arbres et les arbustes, les plantes médicinales, les productions horticoles pour la Ville de Montréal, les Orchidées, les Gesnériacées, etc. Il s'agit donc là d'une documentation précieuse pour qui s'intéresse à la classification et à la culture des plantes horticoles. Enfin, une série de photographies illustre les débuts du Jardin.

From: Luc Brouillet  
Institut botanique  
Univ. de Montréal

## B.C.C. FEES

The Biological Council of Canada (B.C.C.) policy is to charge each constituent society a fee based on the number of members in that society on a certain date. This policy ignores the fact that many people belong to more than one constituent society, and therefore are charged twice or even three times for B.C.C.

As stated in the past, CBA/ABC accepts that this policy is unfair to people who are members of more than one society, and has attempted to persuade B.C.C. to change its policy. So far, this has been to no effect. Therefore, the CBA/ABC membership dues of \$27.00 includes the B.C.C. fee, which should be paid by every member. Officially, the failure to remit to B.C.C. the full amount for every member could lead to a society's dismissal from the Council. To avoid this possibility, some societies make up amounts not paid from general revenue, i.e., membership dues. It is probably apparent that this is not a wise solution when societies such as ourselves are operating on as low a budget as possible. Therefore, we appeal to all members to pay their B.C.C. dues to all societies that demand them, while we try to get the policy changed through official channels.

## FROM THE EDITOR .....

Because of the reduction in pagination of this issue of the *Bulletin*, several items have had to be deferred to the next issue. These include a report from the Conservation Committee, another submission on the transplantation controversy, and several book reviews.

If you have not already renewed your membership for 1983, do so now, otherwise you will never see these items. All unpaid memberships are deleted from our records at the end of February.

Would any member wishing to submit an item for publication in the *Bulletin*, please ensure that it reaches me in Vancouver by the 1st of the month prior to publication, and preferably earlier. The actual deadline dates are: March 1, June 1, September 1 and December 1.

## FUTURE MEETINGS OF CBA/ABC

- 1983 — Grand Forks, N.D., August 7-11  
Joint Meeting with American Institute for Biological Sciences. See the accompanying supplement for Meeting Information
- 1984 — Fredericton, N.B., June 24-27  
See advance information elsewhere in this issue
- 1985 — London, Ont., June 23-29  
Canadian Congress of Biology (B.C.C. Sponsored Meeting)
- 1986 — Sudbury, Ont., date not yet known
- 1987 — Montréal, Que., date not yet known

The Sunflower Family (Asteraceae) of British Columbia, Vol. 1 - Senecioneae, by George W. Douglas. 1982. Occasional Paper Series, No. 23, B.C. Provincial Museum, Victoria, B.C. 180 pp. \$6.00 Can.

The latest in the Occasional Paper Series from the B.C. Provincial Museum is the first of a proposed five-volume series on the Asteraceae of British Columbia. It is a well-done, lavishly illustrated work, that includes introductory remarks to the whole series, keys to the five tribes treated in this and future volumes, as well as plates illustrating leaf, achene and inflorescence morphology of the tribes. There is an illustrated key to the nine genera in the Senecioneae in B.C., and keys to species in each genus and infraspecific taxa, if any. I found the keys simple and yet usable for a majority of specimens. Under each species treated, Douglas includes a description, distribution map in B.C. and adjacent areas, chromosome numbers, habitat information, comments on uses in the landscape, as wildlife food or other points of interest, and a full page drawing (26.5 x 19.5 cm) of the habit of the plant and other diagnostic features. There is a glossary, and appendices of species names and their synonyms and of excluded species. The line drawings of whole plants and selected morphological characters (140 figures in total) and one colour plate of *Arnica louiseana* as the frontispiece are by Elizabeth J. Stephen and are exquisite. These alone will make the book worthwhile, not only to the botanist but also to the casual plant enthusiast who wants to know the "yellow daisies" on some mountain hike.

Although there are only nine genera in the Senecio tribe represented in British Columbia, three of these are notoriously difficult, even for students of the Asteraceae, and are the subject of varied taxonomic interpretations. These are *Arnica*, *Petasites* and *Senecio*. Douglas has presented a rather conservative treatment, including several taxa as varieties of other species rather than recognizing them as distinct species, a stand with which all students of these genera will not agree. In *Arnica* for example, he treats *gracilis*, *lonchophylla* and *sororia* as varieties of *latifolia*, *angustifolia* and *fulgens*, respectively. These are often treated as six distinct species. His treatment of *Petasites*, recognizing three species, with 3 varieties, rather than 5 species is open to further debate. However, he does give justification for his placement of any questionable taxa.

My only real criticisms of the book relate to illustrations of some of the *Arnica*s, the genus with which I am most familiar. It is difficult to decide what is typical in some species that are so variable, but I believe Douglas did not give his artist the most typical form of some of the species. Examples are *A. mollis*, *A. latifolia* var. *gracilis* and *A. longifolia*, although there are certainly specimens that do look like the drawings. A more typical specimen of *A. mollis* has longer leaves, especially the lower cauline ones, with narrower blades and less-toothed margins. *Arnica longifolia* has longer, narrower cauline leaves. I consider the drawing of *A. latifolia* var. *gracilis* (regardless of whether or not it is treated as a variety or a distinct species) to be typical of some small, high-elevation forms of *A. latifolia*, not of *A.*

*gracilis*. However, if these figures are used in conjunction with the keys and descriptions, the book will be useful for identifying a majority of specimens. The only taxon treated in the book that is not illustrated is *Arnica chamissonis* var. *foliosa*, and one wonders why this one was not.

I do not know when the book went to press, but there are no references cited later than 1979, and some later papers could have been (for example, Wolf, 1980, *Am. J. Bot.* 67:300-308; and Straley, 1980, *Davidsonia*, 11:25-31).

Overall, the book is a solid work, filling a gap in our knowledge of a difficult group of plants in B.C. (The treatment of *Arnica* will be of value throughout western Canada.) I hope that the other volumes will keep up to the standard set in this first volume.

Gerald B. Straley  
UBC Botanical Garden

#### FIRST INTERNATIONAL PHYCOLOGICAL CONGRESS REPORT

The First International Phycological Congress, sponsored by the International Phycological Society and in collaboration with the Phycological Society of America, was held on the campus of Memorial University of Newfoundland, St. John's, from August 8-14, 1982. A total of about 450 delegates, from 33 countries and territories, attended. The Congress was dedicated to its late President, Dr. G.F. Papenfuss, whose lifetime dream had been to see such a Congress take place. Dr. Papenfuss played major inspirational and organizational roles, and attended meetings of the 62 member Organizing Committee held in England (January 1981) and Australia (August 1981).

The scientific program began with a Plenary Session, with invited speakers Dr. R.T. Wilce (Univ. of Massachusetts), Dr. O. Moestrup (Univ. Copenhagen) and Dr. K. Luning (Biologische Anstalt, Helgoland). A total of 12 organized Symposia were held, and more than 350 contributed and symposia presentations were made. Contributions covered the entire field of phycology, and this diversity and rich international scientific interchange were features of the Congress that received, and are still receiving, favourable comment. Two special lectures were featured — an historical account of phycological exploration at Port Phillip Head, Australia (Dr. S.C. Ducker, Univ. of Melbourne) and a fascinating historical account of research with the nanoplankton (Emeritus Prof. Irene Nanton, Univ. of Leeds).

In mid-week, most delegates took the opportunity of participating in one of 7 Congress-sponsored field trips. These explored the whole range of aquatic environments within reach of St. John's, as well as a number of sites of scenic or historical interest. A variety of local tours was available during the rest of the week.

The social events were designed to provide maximum opportunity for interchange. The All-Congress Banquet featured a memorable seafood meal and traditional Newfoundland entertainment — including a screech-in.

Three post-Congress excursions were available, and approximately 60 people participated.

G. Robin South, Exec. Chairman  
First Intern. Phycol. Congr.

## POSITIONS AVAILABLE

### Queen's University, Kingston, Ontario

**Plant Molecular Biologist** — The Department of Biology invites applications for a tenure track position in plant molecular biology. Applicants should have research experience with recombinant DNA technology and be prepared to develop a vigorous research program in plant molecular genetics. The successful candidate will be expected to teach in the undergraduate program and to teach and supervise graduate students.

The position requires a Ph.D. degree and published evidence of excellent research ability. Candidates of both sexes are equally encouraged to apply. The appointment will be effective September 1, 1983, and is expected to be at the rank of Assistant Professor with salary commensurate with qualifications (floor - \$23,100). Preference will be given to Canadian citizens or landed immigrants. Application deadline is April 1, 1983, or until a suitable candidate is selected.

Send applications, which should include a curriculum vitae, statement of future research interests and names and addresses of three referees, to: Professor D.T. Canvin, Head, Department of Biology, Queen's University, Kingston, Ont K7L 3N6, Canada.

### University of Western Ontario, London, Ontario

**Microbiologist (Mycology or Phycology)** — The Department of Plant Sciences has an opening at the Assistant Professor level for a Microbiologist specialising in an area of Mycology or Phycology, subject to the availability of funds. The position is a one-year limited term appointment commencing July 1, 1983. The successful applicant will take part in undergraduate teaching, and it is anticipated that he or she will develop a research program in his or her specialty.

Applications, with curriculum vitae and names of at least three referees, should be sent to: Dr. J.B. Phipps, Department of Plant Sciences, The University of Western Ontario, London, Ont N6A 5B7. Application deadline is February 28, 1982.

In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

"An equal opportunity employer"

## GRADUATE STUDIES OPPORTUNITY

### Plant Biology, McMaster University, Hamilton

We have a strong group of internationally recognized plant scientists whose research interests include cell biology and genetics, ecology, physiology and molecular biology. The participants include D. Davidson, G.P. Harris, K.A. Kershaw, J.N.A. Lott, E.L. McCandless, J.J. Miller, A. Oaks, and G.J. Sorger.

More detailed information may be obtained by writing to: Prof. Ann Oaks, Biology Department, McMaster University, Hamilton, Ont L8S 4K1 Canada

## FORTHCOMING MEETINGS

Canadian Society of Plant Physiologists, Western Regional Meeting, February 24 and 25, 1983, at the University of Alberta, Edmonton. Details of the meeting, accommodation, registration forms and Call for Abstracts were mailed out in November 1982.

For further information, contact: Dr. A. Horak, Department of Plant Science, University of Alberta, Edmonton, Alta T6G 2P5. Telephone number: (403) 432-5130.

International Organization of Plant Biosystematists - "Plant Biosystematics: Forty Years Later", July 17-21, 1983, at McGill University, Montreal. Plans for this conference, limited to 150 attendees, are well underway.

For further information, contact: Dr. W.F. Grant, Department of Plant Science, Box 282, Macdonald Campus, McGill University, Ste. Anne de Bellevue, Que H9X 1C0 Canada.

## BOTANICAL SOCIETY OF AMERICA — ANNOUNCEMENT OF DARBAKER PRIZE IN PHYCOLOGY FOR 1983

The Committee on the Darbaker Prize of the Botanical Society of America will accept nominations for an award to be announced at the Annual Meeting of the Society with AIBS at the University of North Dakota in August 1983. Under the terms of the bequest, the Award is to be made for meritorious work in the *study of microscopical algae in all its facets*. At present, the Award is limited to residents of North America, and only papers published in the English language will be considered. The value of the prize for 1983 is expected to be approximately \$500. The Committee will base its judgement primarily on the papers published by the nominee during the last two full calendar years, i.e., papers dated 1981 and 1982.

Nominations for the 1983 Award, accompanied by a thorough statement of the merits of the case and by reprints of the publications for 1981 and 1982 supporting the candidate, must be received by April 1, 1983 by the Chairman of the Committee, Dr. Peter C. Wolk, MSU-DOE Plant Research Laboratory, Michigan State University, East Lansing, MI 48824.

For further information, write the Chairman or call him at (517) 353-2270.

## NEW BOOK

Cartoons Etcetera - Largely of a Scientific Nature, produced by Robin Day. 1982. Ubiquitous Publishing of Canada, c/o Robin Day, Biology Dept., Univ. of Winnipeg, Winnipeg, Man E3B 2E9. \$3.00 Can + 0.60¢ postage.

Our very own Robin Day has published a book of biological cartoons (one of which was reproduced in the last issue of the *Bulletin*). I received a copy of the book last week, and intend to print a review in a later issue.

For those of you who cannot wait, the book may be obtained by writing to Robin at the address above.



## CBA/ABC LIFE MEMBERSHIP

In the fee ballot sent to all members last October, there was also a vote on the institution of a fee for a Life Member category. This was the first time that CBA/ABC had actually instituted a fee for this category. The Life Member fee is now set at twenty times the Regular Membership, and is presently \$400. Many people prefer to take out Life Memberships, for various reasons, including the fact that one no longer receives annual dues notices nor does one have to remember to return that notice with a cheque. All moneys received by the Treasurer in this category will be invested so as to return a yearly interest payment to the general account equivalent to an annual payment.

We are pleased to report that our first Life Member joined the Association in December, and hope that this will persuade other members to consider this one-time payment option.

## PERSONALIA

Dr. N.P. Badenhuizen, Professor Emeritus in the Department of Botany at the University of Toronto, was the eighth recipient of the Alsberg-Schoch Memorial Lectureship during a meeting of the American Association of Cereal Chemists held in October, 1982, in San Antonio, Texas. The Lectureship was established in 1965 "to honour distinguished chemists who have made notable contributions to fundamental starch science". The Award consists of an engraved plaque and an honorarium. In 1969 the Association had awarded Dr. Badenhuizen the Osborne Gold Medal, its highest honour.

### New Members

#### 1982

I.M. Brodo, Museum of Natural Sciences, Natl. Museums of Canada, Ottawa, Ont K1A 0M8 (R)  
P.A. Eastman, 16-604 Wilsonview Ave., Guelph, Ont N1G 1V4 (S)  
Sharon P. Gowan, Museum of Natural Sciences - Botany, Natl. Museums of Canada, Ottawa, Ont K1A 0M8 (S)  
André Legault, Institut Botanique, 4101 est rue Sherbrooke, Montréal, Qué H1X 2B2 (S)  
Will Marchuk, Dept. of Biology, Red Deer College Red Deer, Alta T4N 5H5

#### 1983

Wendy Dathan, Herbarium, Plant Science Dept., Macdonald College, Ste.-Anne-de-Bellevue, Que H9X 1C0 (S)  
Rhonda Rosie, P.O. Mailbag 600, Watson Lake, YT Y0A 1C0 (R)  
Bonita Smith, Dept. of Biology, Univ. of Calgary, Calgary, Alta T2N 1N4 (R)  
Elaine Stewart, Dept. of Biology, Univ. of Calgary, Calgary, Alta T2N 1N4 (S)

### Address Changes

(Note: Many of these address changes are due to our request for business addresses, not to a mass musical chairs movement!)

N.P. Badenhuizen, Dept. of Botany, Univ. of Toronto, Toronto, Ont M5S 1A1 (Ret)  
G. de Boer, 270 McAlpine Ave. S., Willard, Ont L3B 1T9 (R)  
T.C. Brayshaw, B.C. Provincial Museum, Victoria, B.C. V8V 1L4 (R)

J.L. Farrar, Fac. of Forestry, Univ. of Toronto, Toronto, Ont M5S 1A1 (Ret)  
G. Gardner, 5255 Decelles Ave. (H.E.C.), Montréal, Qué H3T 1V6 (R)  
Jeannie Gilbert, Dept. of Botany, Univ. of Manitoba, Winnipeg, Man R3T 2N2 (S)  
Andy Mackinnon, B.C. Ministry of Forests, Ecol., 470-1011 4th Ave., Prince George, B.C. V2L 3H9  
J.A. Parmelee, Biosystematics Res. Inst., Agric. Canada, Ottawa, Ont K1A 0C6 (R)  
James Reid, Dept. of Botany, Univ. of Manitoba, Winnipeg, Man R3T 2N2 (R)  
R.A. Sims, Great Lakes Forest Res. Centre, Can. Forestry Serv., P.O. Box 490, Sault Ste Marie, Ont P6A 5M7  
R. Staniforth, Nfld Forest Res. Centre, P.O. Box 6028, St. John's, Nfld A1C 5X8 (R)  
Elizabeth Vincent, Dept. of Geological Sci., Univ. of Saskatchewan, Saskatoon, Sask S7N 0W0

## CLARIFICATION - JOURNALS AT MEMBERS RATES

There have been several inquiries about the possibility of members subscribing to NRC journals other than the Canadian Journal of Botany.

The President of CBA/ABC has received assurance that CBA/ABC members will be able to subscribe to other journals at a reduced rate, either one only or more than one in any combination, when paid for at the same time as the membership fee is paid.

Unfortunately, it is now too late to institute this for 1983, but future membership renewal forms will reflect the variety of NRC journals available at reduced member rates.

*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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*Advertisements for Positions Open and Classified categories may be placed at a cost of \$5.00 (Can) per published column inch. Advertisements by individual members for post-doctoral opportunities and Positions Wanted are carried free.*

*Material for inclusion in the Bulletin should reach the Editor at least one month prior to the date of publication of that issue.*

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. Iain E.P. Taylor, Department of Botany, University of British Columbia, Vancouver B.C. V6T 2B1.