



# BULLETIN

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Patron

Her Excellency The Right Honourable Jeanne Sauv , P.C., C.C., C.M.M., C.D., Governor General of Canada

Patron

Son Excellence la tr s Honorable Jeanne Sauv , C.P., C.C., C.M.M., C.D., Gouverneur g n ral du Canada

## 25 YEARS OF CBA/ABC

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### EDITORS' FORUM:

I'm sure that everyone who attended the CBA/AIBS Toronto'89 meeting will remember it as an incredible whirlwind of a week that was exciting, stimulating and for those of us involved in organizing.... oh so very, very busy! It really was a great success thanks in large part to the hard work of the organizers and the many volunteers. Again, a very special thanks to Nancy Denger (AIBS General Chair) and Jim Ritchie (CBA representative for AIBS). The University of Toronto Campus was at its very best, (even the weather was near perfect!) looking very much the part of the "Grand Old Lady" of Canadian Universities. For me the highlights for CBA/ABC included.....the joint ABS/CBA banquet where President Larry Peterson did a magnificent job of making sure that CBA/ABC had a strong and representative presence; the superb CBA/ABC luncheon which was topped off with a fascinating talk by Bill Crins about the history of Botanical Associations in Canada (see transcript in this issue); and the never-to-be-forgotten CBA/ABC booth that served as a meeting place, sold the super 25th Anniversary T-Shirts (again thanks to Larry Peterson), and kept our American colleagues supplied with Canadian Maple Syrup and Maple Candy. Thanks to all the volunteers who put in many hours at the booth.....you all helped make this a truly memorably meeting.

The following article is based on an address presented by the author, Bill Crins, at the University of Toronto on August 10, 1989, at the CBA/ABC Luncheon commemorating the 25<sup>th</sup> Anniversary of the CBA/ABC.

## NATIONAL BOTANICAL SOCIETIES IN CANADA:

### PAST AND PRESENT

In this, the 25<sup>th</sup> year of the **Canadian Botanical Association/Association botanique du Canada**, it is appropriate and fitting to present a brief retrospective view of our association, and of its predecessors. My goal is to deal with those societies that were, or aspired to be, national botanical societies, although there have been, and are, many regional botanical and natural history societies that are active, enduring, and vital organizations.

Canadian botanical societies have had a checkered past, in the sense that they have been intermittent and of relatively short duration. I will present a brief summary of some of the personalities in, and goals of, the early societies, and then I will show how the present CBA/ABC fits into the scheme of things.

The first of the national societies was the **Botanical Society of Canada**, which was established in Kingston, Ontario on 7 December, 1860. All of its meetings were held at the University of Queen's College (now Queen's University). The inaugural meeting was chaired by William Leitch, principal of the college, who subsequently became the President of the Society, and remained in that post during the life of the society. The object of the first meeting was to discuss the potential value of a national botanical society the aim of which would be to investigate the Canadian flora (Boivin 1984, Zeller 1987). Toward this end, George Lawson, professor of chemistry and natural history at Queen's, and Secretary of the Society, presented what may be considered a position paper on the state of botany in Canada at the time. He stated that, "Botany is at a low ebb in Canada . . .", and went on to suggest that a botanical society could serve practical needs in the country, but also that " . . . it is to be hoped that many zealous laborers will enter the field from a higher motive - a desire to promote the cause of science." (Lawson 1861). The **Botanical Society of Canada** was thus established, with the objective of advancing all areas of botany, including applications. Ninety-one people attended the first meeting, and the membership grew beyond this number in subsequent months. Meetings were held at approximately one month intervals, and a wide array of topics was dealt with.

The proceedings of the Society were published in their Annals in 1861 and 1862, and comprise 196 pages. The Annals contain the laws of the club, membership lists, highlights of discussions that took place at the meetings, correspondence with eminent botanists from around the world, and transcripts of papers read at the meetings. Some of the topics covered in the published papers deal with floristic lists of various parts of Canada, economic plants such as squash, the growth of food plants for silkworms, plant chemistry, pathogenic fungi, insect pests, and medicinal plants.

It seems that George Lawson was the moving force behind the **Botanical Society of Canada**. A perusal of the Annals indicates that virtually all of the correspondence with eminent world botanists was through him. The death of the **Botanical Society of Canada** also coincides with Lawson's move from Queen's College to Dalhousie University in Halifax, Nova Scotia. Lawson's move was apparently precipitated by jealousy, scandal, and libel perpetrated by some of his colleagues at Queen's, as well as ineffectual, if not inept, leadership by University officials (Boivin 1984, Zeller 1987). The last meeting of the Society was held on February 14<sup>th</sup>, 1862.

Following the demise of the **Botanical Society of Canada**, there was a gap of almost 30 years before the next attempt at a national botanical society was initiated. This was the **Canadian Botanists' Correspondence Association**, which was created in London, Ontario in 1890. John Dearness of London, and James Morton of Wingham, Ontario recruited 21 members, and a circular was published, but nothing more is known about this group (Boivin 1986). Among its members were some of the more prominent of Canada's early botanists, including John Macoun and his son James, as well as James Fowler and James Fletcher. In spite of the association's name, all of the members lived in Ontario, although Fowler had come from New Brunswick and his botanical interests remained in the Maritimes.

The following year, in 1891, the **Botanical Club of Canada** was founded, with its main activities being in the development of botanical education and in the study of phenology. This focus on phenology developed at a time when meteorology was still an infant science, and had its basis in the perception that flowering behaviour and climatic variables were related (Boivin 1984). Once again, George Lawson was involved, and he was President of the **Club** from its inception until his death from a stroke in 1895. Interestingly, George Lawson presented another version of his address on the state of botany in Canada in the year the **Club** was instituted, and evidently, not much had

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changed since 1860. He noted that teachers in colleges and universities were overburdened, that much of the routine botanical work, like collecting and plant identification, was provided on a voluntary basis, and that there was no channel of communication for botanists in Canada (Lawson 1891). Some of this, especially the theme of being overworked and underpaid, probably sounds familiar to most of us now, too!

In addition to George Lawson there was another Haligonian, A. H. Mackay, who was Secretary of the Club, and who was instrumental in developing the phenology program, especially after Lawson died. He was also extremely dedicated to the development of botanical education in the schools, and encouraged teachers to have their students gather phenological information. Most of the annual reports of the Club, which were published in the Proceedings and Transactions of the Royal Society of Canada, are loaded with summaries of the phenological data compiled by scientists, teachers, and students from across Canada.

The Botanical Club of Canada was truly national, with provincial secretaries and members representing all parts of the country, including areas that had not yet entered Confederation, like Newfoundland, Alberta, and Saskatchewan. Because the emphasis of the Club had become almost entirely phenological after Lawson died, and this sort of data was being compiled by the Meteorological Service by the turn of the century, Mackay decided to disband the Club in 1910 (Mackay 1910).

It was to be more than 50 years before the final development in Canadian botanical societies unfolded. In June of 1963, the Plant Biology Subject Division of the Royal Society of Canada endorsed a report of the Special Committee on the Role of Plant Sciences in Canadian Scientific Endeavour, which suggested the formation of such a society. This was the first step in the formation of our present CBA. After initial plans were drafted, a group of 68 botanists from 29 institutions and 7 provinces met at Queen's University on June 3 1964, to discuss the role and make-up of the society. Plans were made to hold a formal founding meeting of the CBA from 26-28 May 1965, at Carleton University in Ottawa. Since that time, annual meetings have been held in 9 of the 10 provinces. Three meetings have been held in the United States, in conjunction with other societies, like the Botanical Society of America, or with international congresses. On several occasions, the CBA has met with other Canadian societies, like the Canadian Society of Plant Physiologists. As with other scientific societies, the annual meetings always include contributed paper sessions, symposia, business meetings, award presenta-

tions, a banquet and other social events, and field trips. The CBA is comprised of several specialty sections, including ecology, structure and development, mycology, phycology, general, systematics and phytogeography, and in the past, paleobotany. The sectional framework allows for detailed discussions of special concerns or issues, and brings scientists, students, and other interested people of common interests together. The sections are often the sub-units in which briefs and position papers are roughed out, before the association as a whole serves as an advocate on the national scene. For instance, the ecology and systematics and phytogeography sections, along with the Conservation Committee, often do the leg-work necessary to develop briefs on environmental issues, such as the preservation of coastal plain communities, long-grass prairies, or southern deciduous forests. The CBA has also been a member society with the Biological Council of Canada (and in the future, will be affiliated with the Canadian Federation of Biological Societies), which has served in an advocacy role at the national level for all areas of biology.

One of the other aims of a national society is to provide a means of communication among its members, a function that is particularly important in a country as large as ours. The CBA publishes a quarterly Bulletin which keeps members attuned to what their society is up to, and also to job opportunities, workshops, and other relevant news.

The CBA has established a series of awards to formally recognize merit among Canadian botanists. These include the George Lawson Medal, named after the moving force in the earliest days of Canadian botany, which recognizes cumulative contributions to Canadian botany throughout a career, or a single outstanding contribution.

The Mary E. Elliott Service Award commemorates a former president of the CBA who contributed much of her time to the society, and is awarded for meritorious service to the CBA.

The CBA also makes a conscious effort to promote botanical education in Canada, and toward this goal, several awards have been established to encourage excellence in Canadian students. One of these is the Luella K. Were-sub Memorial Award, which is presented to the graduate student in mycology at a Canadian university who has published the best paper during the previous year. Another is the Lionel Cinq-Mars Award, which is presented to the student judged to have presented the best paper at the Annual Meeting. The third student award is the John Macoun Travel Bursary, commemorating another famous Canadian botanist who travelled and collected widely throughout Canada from the 1870's to 1920. This award is

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presented to one or more meritorious students who will be attending the Annual Meeting, to partly defray the costs of travel. Further information on the CBA's awards, and on previous winners, can be found in articles by Crins (1988), Posluszny and Gerrath (1989), and Taylor (1983, 1984), among others.

In its 25th year, the CBA remains a strong and effective voice for Canadian botany. We finally have the national botanical society that our botanical forefathers looked for. The present CBA combines most of the aims and functions of the earlier societies, and fulfills important roles in Canadian science, in communication, education, professional development, and advocacy.

#### Acknowledgements

I would like to thank Erich Haber, the CBA Archivist, for providing many useful materials. The librarians and archivists at the Arnold Arboretum of Harvard University, Cambridge, Massachusetts, the New York State Library, Albany, New York, the Public Archives of Canada, Ottawa, and the botanical library of the Biosystematics Research Centre, Agriculture Canada, Ottawa, also provided access to many useful publications. I would also like to acknowledge the work of the late Bernard Boivin, who published several very useful papers that made my task much easier.

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-William J. Crins, *Biological Survey, New York State Museum, Albany, New York 12230*.



**CBA/ABC past presidents in attendance at the Association luncheon at the Toronto meeting this past summer.** From left to right: Hugh Dale (1969/70), Iain Taylor (1985/86), Jennifer Walker-Shay (1978/79), Paul Cavers (1973/74), Larry Peterson (1988/89), Nancy Dengler (1979/80), Taylor Steeves (1972/73) and Jim Ritchie (1968/69). Photo by Erich Haber.



**Dr. Bill Grant of Macdonald College, McGill University receiving the George Lawson award from CBA/ABC President Dr. Larry Peterson at the joint BSA/CBA banquet in Toronto this past summer. Photo by Erich Haber.**

George Lawson Medal

Dr. William F. Grant

The George Lawson medal is the most prestigious award made by the Canadian Botanical Association. The recipient for 1989, Dr. William F. Grant of Macdonald College, McGill University, is being recognized for his cumulative and distinguished research, teaching and administrative contributions to the advancement of Canadian and international botany and genetics.

Dr. Grant has carried out significant biosystematic and cytogenetic studies in a number of plant genera including *Lotus*, *Avena*, *Impatiens*, *Betula* and others. He is the world authority on the cytogenetics of *Lotus* and he and his students have developed amphidiploids for the transfer of genes from wild diploid species to the cultivated tetraploid forage species, birdsfoot trefoil. In addition to his numerous contributions to basic cytogenetics and biosystematics, he has carried out pioneering studies on the use of higher plant species for testing and monitoring for mutagenic effects of environmental pollutants. His expertise in this area has led him to be asked to participate in the U.S. Environmental Protection Agency Gene-Tox program and to chair an *ad hoc* Steering Committee for the International Program on Chemical Safety on Plant Systems for the World Health Organization.

For his major contributions to botany he has been elected a Fellow of the Linnean Society of London, a Fellow of the American Association for the Advancement of Science, a Fellow of the Royal Society of Canada, and he is the recipient of the governor General's Silver Medal commemorating the 25th anniversary of the Ascension of Her Majesty Queen Elizabeth II to the Throne.

Dr. Grant has been very active in national and international organizations, and was recognized by the Genetics Society of Canada by being awarded a Life Membership in 1979. He has served on several editorial boards, is a former Editor of the *Canadian Journal of Genetics and Cytology*, and founder and former Editor of the *Lotus Newsletter*. In 1984 he edited "Plant Biosystematics", the proceedings of an international symposium held at McGill.

It is appropriate to be able to present the George Lawson Medal to Dr. William F. Grant in this setting, since he is certainly recognized internationally for his distinguished contributions to botany and genetics.



Sylvia, Iain and Jennet Taylor at the joint BSA CBA banquet in Toronto. Photo by Erich Haber.

Mary E. Elliott Service Award

Iain Edgar Park Taylor

Iain has been a member of the CBA/ABC since 1969 and has chaired the General Section. He served as a Director from 1978 to 1980, was appointed Vice-president serving from 1979-1980, served as Secretary from 1980-1984, President-elect 1984-85, President 1985-86, and Past-president 1986-87.

While this represents an impressive service to the Association, it is what Iain has accomplished during his time with CBA/ABC that merits recognition. Iain was active in the incorporation of CBA/ABC in March 1979 and was one of the signatories on the application for Letters Patent.

Iain wrote the CBA/ABC Policy Manual which provided guidelines for the duties of every officer of the Association, and he amended it after input from 10 officers. The Policy Manual describes the responsibilities of each officer and resulted in much greater involvement on the part of Directors, and greater continuity of policies and activities.

Iain was behind the formation of the endowment fund now called the John Macoun Travel Bursary, developed to assist students in attending CBA/ABC meetings. This

fund helped to increase student attendance and increase the number of students competing in the Cinq-Mars Award. The student members form the pool from which CBA/ABC will develop in the future; the more student members, the more potential members and greater availability of future officers.

Iain was responsible for the CBA/ABC - CSPP/SCPV Directory, put all names on the computer himself, and has produced a second and third edition. This has improved communication between CBA/ABC members.

In 1980 Iain was local organising Chairman for the annual meeting, taking responsibility for the scheduling of sessions and field trips, and generally overseeing all details of the meeting.

Iain streamlined the Secretary's office in a number of ways, such as initiating the production of the action sheet now attached to all minutes of meetings, listing all tasks assigned. This helps to ensure that jobs will not be forgotten and contributes a schedule for forthcoming meetings.

These are only some examples of his many contributions. Iain has functioned in CBA/ABC in three important ways: (1) as an innovator contributing various improvements (see preceding examples), (2) as a primary source of information about the Association, its by-laws, functions, offices, etc, and (3) as a recruiter of members and officers. In this latter capacity his contribution in getting Canadian botanists involved in CBA/ABC cannot be underestimated. He is a faithful attendee at annual meetings, a great source of enthusiasm and encouragement, and one of our members who is most inclined to speak to "strangers", to make friends and to involve people, especially younger botanists (who would otherwise be overlooked while the rest of us "talk shop" to our long-standing friends).

Iain is a success story in terms of his work with CBA/ABC and his success is largely a result of his personal conviction that one need not be just a member of a society, but can attempt to contribute in a positive way; in other words, one can make a difference. Iain has made a big difference to CBA/ABC. Our Association is people, and to many people, CBA/ABC is identified with Iain more than with any other person.

Although this is not particularly important with regard to the Elliott Award, I would like the committee of judges to be aware that Iain is a widely respected botanist, a very popular teacher, and that his service to both science and teaching extends far beyond CBA/ABC. One example of this is his recent acceptance of the invitation to be Editor of the Canadian Journal of Botany, beginning in 1989. Iain was a unanimous choice and has served as an Associate Editor for the last eight years.

*- one of the nominating letters.*

## LIONEL CINQ-MARS AWARD WINNERS 1989

With over 35 students participating in the Lionel Cinq-Mars Award competition this year, the job of choosing a winner was exciting, but more complicated than usual. Due to the large number of excellent papers presented, the task was even harder. In fact, the judges found it necessary to award three Honourable Mentions, together with naming the winner.

Due to the timing of the papers, it was not possible to make the presentation to the winner at the annual CBA/ABC banquet. The award is made here, however, with no less a feeling of appreciation and honour.

The winner this year is **L. Dennis Gignac**, from the Department of Botany, University of Alberta, with his paper, "Habitat limitations of *Sphagnum* along climatic gradients in western Canada", authored with Dale Vitt.

Those receiving Honourable Mention are: **Bruce Ford**, Department of Botany, University of Toronto, ("Allozyme variation in North American members of the short-beaked taxa of *Carex* section *Vesicariae* (Cyperaceae)", with Peter Ball); **Thomas P. Wilson**, Biology Department, Carleton University, ("A motile vacuole system comprises much of the endomembrane component of plant cells," with Margaret E. McCully); and **François Lutzoni**, Department of Biology, University of Ottawa, and the National Museum of Natural Sciences, ["Systematics of the *Ionaspis-Hymenelia* complex (lichenized Ascomycotina) in North America"].

A hearty congratulations to all these winners, with best wishes for continued successes. We look forward to hearing from past and new participants at the coming meeting in Windsor.

*Irwin M. Brodo*

## RÉCIPIENDAIRES DU PRIX LIONEL CINQ-MARS POUR L'ANNÉE 1989

Plus de 35 étudiants ont été en compétition cette année pour l'obtention du prix Lionel Cinq-Mars et le choix d'un gagnant a été fort passionnant quoique plus compliqué que par les années passées. La sélection a été même rendue difficile par suite d'un grand nombre d'excellentes communications. En fait, les juges ont cru bon d'adjuger trois mentions honorables en plus du grand gagnant.

L'horaire de présentation des communications a rendu im-

possible le dévoilement du grand gagnant lors du banquet annuel de 'ABC/CBA. La décision est maintenant rendue avec tout autant d'honneur et d'appréciation.

Cette année le grand gagnant est **L. Dennis Gignac**, du département de botanique, Université de l'Alberta, pour sa communication "Habitat limitations of *Sphagnum* along climatic gradients in western Canada" co-signée par Dale Vitt.

Des mentions honorables sont décernées à: **Bruce Ford**, département de botanique, Université de Toronto, ("Allozyme variation in North American members of the short-beaked taxa of *Carex* section *Vesicariae* (Cyperaceae)" en collaboration avec Peter Ball); **Thomas P. Wilson**, département de biologie, Université Carleton, ("A motile vacuole system comprises much of the endomembrane component of plant cells" en collaboration avec Margaret E. McCully); et **François Lutzoni**, département de biologie, Université d'Ottawa et le Musée national des sciences naturelles, ["Systematics of the *Ionaspis-Hymenelia* complex (lichenized Ascomycotina) in North America"].

Nos plus sincères félicitations à tous ces gagnants. Au plaisir de retrouver les anciens et les nouveaux participants lors de la prochaine réunion qui se tiendra à Windsor.

*Irwin M. Brodo*

## LUELLA K. WERESUB MEMORIAL AWARD

The Luella K. Weresub award is given annually to the student in mycology at a Canadian University who publishes the best paper in the current year. It was first announced in 1983, and the first award was made in 1984.

This year's Weresub award winner was William Erich Hintz of the University of Toronto (Erindale College) for his paper entitled, "The mitochondrial genomes of *Agaricus*".

Dr. Hintz has recently completed his Ph.D. under Dr. Paul Horgen at Erindale College and is currently a post-doctoral fellow at the Charles Best Institute in Toronto.





**Trevor Potter, winner of the CBA/ABC Best Plant Science Project**

1989 SCIENCE FAIR WINNER

ST. JOHN'S, NEWFOUNDLAND

This year's winner of the CBA Award for the Best Plant Science Project at the 28th Annual Canada-Wide Science Fair held May 13-20 in St. John's was Trevor Potter. His project title was "A Study of Gibberellic Acid". Trevor was a Grade 12 student, living in Monarch, Alberta when he did the project.

#### **RECOGNITION OF PIERRE DANSEREAU**

Members of CBA/ABC will be pleased to learn that Pierre Dansereau, Professor Emeritus at the University of Québec was among those honoured with a lifetime environmental achievement award in recognition of his ecological and environmental work. The awards were presented June 4 by Environment Minister Lucien Bouchard, as part of national Environment Week. This latest award is among many which he has received, including the Companion of the Order of Canada in 1969, and the Lawson Medal in 1986.

#### **KNOW YOUR OFFICERS: BOARD OF DIRECTORS 1989-1990**

**President:** The president is the official representative of CBA/ABC and represents CBA/ABC on BCC until April 1990 (CFBS after that). He/she is responsible for all official actions of the Association. The President chairs the Executive Committee meetings, the Annual meeting, and during the year, chairs the Awards Committee.

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Mr. Steve Varga (416) 223-4151  
5900 Yonge St., Apt. 618  
Willowdale, ON M2M 3T8

### CALL FOR NOMINATIONS OF OFFICERS AND DIRECTORS FOR CBA/ABC 1990-92

At the Annual Meeting in Toronto a call for nomination for the following members of the Board of Directors was made:

**Secretary (1990-92)**

**3 Directors**, term of office to be from 1990-1992.

One of the Directors must reside east of the Ontario-Manitoba Provincial boundary, one west of the boundary, and one at-large.

Nominations must be signed by not less than three (3) members in good standing. All nominations must be accompanied by the consent of the nominee. All nominations must be delivered in writing no later than December 31, 1989, to the Secretary of the Association:

Mrs. Sylvia Taylor  
Botanical Garden, UBC  
6501 NW Marine Drive  
Vancouver, BC V6T 1W5

### PROPOSITIONS DE CANDIDATS POUR LES POSTES DE DIRECTEURS 1990-1992

Au dernier congrès annuel à Toronto, un appel a été lancé pour combler les postes suivants au conseil d'administration:

**secrétaire (1990-92)**

**3 directeurs**. La durée du terme, de 1990 à 1992.

Un des directeurs doit habiter à l'est de la frontière provinciale du Manitoba et de l'Ontario, un à l'ouest de cette frontière, et l'autre n'importe où.

Les nominations doivent porter la signature d'au moins trois membres. Chaque nomination doit être accompagnée d'une lettre de consentement de la part du candidat. Toutes les lettres de nominations doivent être reçues avant le 31 décembre 1989, par la secrétaire de l'association:

Mrs. Sylvia Taylor  
Botanical Garden, UBC  
6501 NW Marine Drive  
Vancouver, BC V6T 1W5

### Highlights from the Board of Directors Meeting, Sunday, August 6, 1989 (Toronto)

#### 1. Future Meetings:

No-one on the Executive knew about CBA/ABC having been invited to the 1992 AIBS meeting in Ames, Iowa until the evening of the joint CBA/ABC-BSA banquet in Toronto. Therefore, future meeting locations for 1992 onwards are vague at present. The President will attempt to straighten things out, and report at the November Executive Meeting (conference call).

#### 2. Directors as Regional Reporters:

The Executive has formalized the use of the Regional Directors as Regional reporters for the *Bulletin*. The Treasurer will send an address list organized by region to the regional Directors. The reports may deal with botany, not strictly CBA/ABC activities.

#### 3. Cinq-Mars Competition:

In future, both the Program Director for the meeting and the Judge-Convenor (President-Elect) for the competition will have to be informed in advance of the names of students wishing to participate in the competition. This is especially important at joint meetings.

**It was moved and carried that a small plaque be produced for Lionel Cinq-Mars winners in the future.** It was also decided that the certificates sent to winners be made bilingual.

#### 4. Section Reports:

Section Reports are very sketchy this year.

a) Ecology: Chair - Norm Kenkel  
Secretary - Diane Lyse-Benoit

A symposium on sand dune systems was suggested for

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the Windsor meeting.

b) General: Chair - Roger Lee

Discussion centred on what effort should be paid to links between Botany and Applied Botany. The possibility of a symposium on Applied Botany being presented at Windsor was discussed.

c) Mycology: Chair - Randy Currah

No report.

d) Phycology: Chair - ?

It appears that no-one knows if there was a Phycology Section meeting. Therefore, it may become necessary to dissolve the section if it has become inactive. Section members will be contacted by letter before any decision is taken.

e) Structure and Development: Chair - Jean M. Gerrath  
Secretary - Usher Posluszny

It was suggested that a workshop on epi-illumination light microscopy techniques be given at Windsor. In addition, it was suggested that abstracts of the Windsor meeting be published and sent to members before the meeting.

f) Systematics and Phytogeography: Chair - Paul Catling  
Secretary - Bill Crins

Discussion included a suggestion that an award be made for the best paper published by a student in systematics and phytogeography in the previous year. This suggestion was brought forward to the Directors' Meeting in the form of a request for seed money to get the award started. After much discussion, it was moved and carried that the Treasurer set up a General Endowment Fund for the support of prizes and awards, rather than deal with individual sections on a piecemeal and potentially competitive basis.

The section plans a symposium on the flora of Ontario at Windsor.

5. Conservation Committee Report: Paul Catling

The committee thought it was good to pursue a policy of vegetative reclamation. They have received a request to provide comments on a management plan for the St. Williams Forestry Station in S. Ontario. The Committee receives about 10 such requests per year. They have new regional representatives and contacts in Alberta and New Brunswick. They request more advertising of all section meetings, as well as the Conservation Committee meet-

ings, so that all registrants at Annual Meetings are aware that they are welcome to attend any of these meetings.

See elsewhere in the Bulletin for the Annual Report of the Conservation Committee.



### Le congrès AIBS de l'été dernier: une réflexion

### AN IMPRESSION OF THIS SUMMER'S AIBS MEETING

#### Sociétés et Congrès

Depuis le début de mes études avancées en botanique, j'ai eu l'occasion d'assister à trois congrès. En 1986, j'ai fait ma première présentation scientifique à l'université du Massachusetts à l'occasion du 37e congrès annuel AIBS. En 1988, j'ai présenté une affiche à Davis en Californie à l'occasion du 39e congrès AIBS. Cette année, j'ai présenté une partie de mes travaux de thèse de doctorat au congrès inter-société de l'association botanique du Canada et AIBS à Toronto.

Pour ceux d'entre nous qui ont la chance de voyager à un congrès, l'expérience est toujours positive. On rencontre plusieurs individus de réputation internationale, on établit des liens de communication avec des collègues, et on découvre très rapidement que la botanique est en plein essor. On s'aperçoit également que l'enthousiasme et le travail ardu de quelques individus sont responsables pour le succès de ces congrès.

À l'occasion du 25e anniversaire de l'ABC, il est encore plus important que jamais de participer à l'essor de notre société botanique. En tant qu'étudiants gradués, notre participation est encouragée. J'aimerais donc faire appel aux étudiants/chercheurs francophones de s'abonner à la société ou d'encourager des collègues à se joindre.

Si vous désirez faire connaître vos opinions ou faire paraître vos contributions dans le bulletin de la société botanique du Canada, n'hésitez pas à contacter l'éditeur, le Dr. Posluszny, à l'université de Guelph. Pour ceux d'entre vous qui ont accès au réseau de poste électronique BITNET ou NETNORTH, vous pouvez le contacter à l'adresse suivante: code: BOTUSH @ UOGUELPH.

- Une société reflète généralement ses membres! Participez!

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### Societies and Congresses

Since the beginning of my graduate studies in Botany, I have had the chance to attend three scientific meetings. In 1986, I gave my first scientific presentation at the University of Massachusetts at the 37th annual AIBS meeting. In 1988, I presented a poster at Davis in California at the 39th annual AIBS meeting. This year, I presented part of my Ph.D. thesis work at the joint meeting of the Canadian Botanical Association and AIBS in Toronto.

For those of us who are fortunate enough to attend a meeting, the experience is always a positive one. You meet several scientists of international reputation, you establish communication links with other colleagues, and you quickly realize that Botany is in full swing. You also find out that the enthusiasm and hard work of a few individuals are responsible for the success of such meetings.

On the occasion of the 25th anniversary of the CBA, it is more important than ever to participate to the growth of our botanical society. As graduate students our participation is encouraged. We should therefore make a special effort to recruit colleagues.

If you wish to voice your opinion or make contributions to the bulletin of the Botanical Society of Canada, do not hesitate to contact the editor, Dr. Usher Posluszny, at the University of Guelph. For those of you that have access to electronic mail (BITNET or NETNORTH), you can contact him at the following address: id: BOTUSH @ UO-GUELPH.

- A society usually reflects its members! Participate!

*Christian R. Lacroix, U. of Guelph.*



### Canadian Journal of Botany The Associate Editor and the Reviewer

The tradition of the scientific review, I am told, goes back to the Proceedings of the Royal Society in 1750. The Royal Society of London decided that new work should be subject to review by two peers and that their identity should remain anonymous. That process has survived the tests of time and is the foundation of any reputable scientific journal.

At CJB the evaluation of each manuscript is delegated to an Associate Editor whose expertise is close to the subject of the paper. It is the Associate Editor's task to identify

the experts around the world and to invite two or three of them to review the paper. Thus, the Editor must enlist the service of a willing, expert, and managerially effective panel of Associate Editors. Each Associate Editor must be an active scientist, who is secure in employment (tenured or the equivalent) and thus able to make the time commitment to serve the community. (There is no requirement that Associate Editors be working in Canada). The criteria for invitation are varied, but a reputation as a quality scientist of the highest professional integrity stands at the top of my list. It is my experience that the effective Associate Editor has a commitment to the community. The price is that time is taken from lab work and thus quantity of publications may suffer. The reward is that one is kept abreast of the field and comes to an understanding that quality is the yardstick of science. One also learns a lot about the conduct of science and of scientists.

Scientific publishing cannot occur without the army of reviewers in the community. The reviewer is asked to cast an expert eye and to provide constructive criticism. The reviewers are representatives of the community, and values and judgment criteria vary. At CJB, it has not been general policy to direct reviewers. However, some Associate Editors and reviewers have found guidelines useful and we will soon provide 'Guidelines for Reviewers'. We are also beginning a major revision of our 'Instructions to Authors'.

The reviewer provides an opinion. The Associate Editor usually conveys a copy of that opinion to the authors. The reviewer is most useful when criticism is constructive, and gives the author precise statements of the strengths as well as weaknesses in a paper. This is very important if the author is working alone in an institution, or is trying to do science with inadequate facilities. The opinionated reviewer is a 'pain' and usually has a short half life on an Associate Editor's list! The Associate Editor seeks opinion not holy writ! Rude, sloppy and otherwise unethical reviews rarely reach the author. . . at least we try to stop them.

Once the reviews are in, an Associate Editor can make a recommendation for conditional acceptance and the revision process begins.

*-Iain E. P. Taylor, Editor, Canadian Journal of Botany*

## TREASURER'S REPORT

Canadian Botanical Association/l'Association Botanique du Canada  
Financial Statement for Fiscal Year 1988-1989 (June 1, 1988-May 31, 1989)

Balance of funds (June 1, 1988)	\$29,017.76
Revenue	<u>\$13,217.97</u>
	\$42,235.73

Expenditures	\$10,987.00
<b>Balance of funds (May 31, 1989)</b>	<b>\$31,248.73</b>

### Revenue Breakdown

#### Membership Dues:

Regular	\$8,356.52
Student/Retired	<u>\$1,152.00</u>
	<b>\$9,508.52</b>

NRC Journal Subscriptions	\$ 696.00	Donations, John A. Macoun Fund	\$ 173.00
Bulletin Subscriptions & Advertisements	\$ 307.00	Donations, Weresub Fund	\$ 62.00
Premium on U.S. Cheques	\$ 29.55	Carolinian Canada donations	\$ 33.00
Interest, Chequing/Savings Account	\$ 431.85	Weresub Prize repayment	\$ 1,000.00
Interest, Term Deposit	\$ 710.55	Sale of Lapel Pins	\$ 39.00
		Miscellaneous	<u>\$ 227.50</u>
		<b>Total Revenue</b>	<b>\$13,217.97</b>

### Expenditure Breakdown

Biological Council of Canada Dues	\$ 1,484.00	AIBS (1989 annual meeting expenses)	\$ 146.71
NRC Journal Subscriptions	\$ 696.00	Awards (casting, engraving)	\$ 433.06
Bulletin Expenses	\$ 3,393.59	Cinq-Mars Award	\$ 200.00
Conservation Committee Expenses	\$ 274.64	Weresub Award	\$ 1,000.00
Secretary's Office Expenses	\$ 1,660.89	Student Travel Awards	\$ 500.00
Treasurer's Office Expenses	\$ 801.89	Youth Science Foundation membership and prize	\$ 170.00
President's Office Expenses	\$ 161.22	Carolinian Canada donation	\$ 33.00
		NSF and PD Cheques	<u>\$ 32.00</u>
		<b>Total Expenditures</b>	<b>\$10,987.00</b>

### Reconciliation

#### Assets (as of May 31, 1989)

Chequing/Savings account	\$21,248.73
Term Deposit	<u>\$10,000.00</u>
<b>Total</b>	<b>\$31,248.73</b>

#### Liabilities (outstanding)

Biological Council of Canada	\$ 2,000.00
Weresub Fund	\$ 62.00
John A. Macoun Fund	\$ 173.00
Bulletin expenses	\$ 552.27
Consumer & Corp. Affairs	<u>\$ 30.00</u>
<b>Total</b>	<b>\$ 2,817.27</b>

**Surplus of assets over liabilities**      **\$28,431.46**

*Keith Winterhalder, Treasurer*

## MEMBERSHIP REPORT

### 1. Membership by Category

	1989	1988 (May)	1987	1986
Regular	254	218	252	273
Student	55	41	69	61
Retired	30	28	32	29
Life	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<b>Total</b>	<b>340</b>	<b>288</b>	<b>353</b>	<b>363</b>

### 2. Membership by Region

Ontario	127
Quebec	38
British Columbia	33
Alberta	35
Saskatchewan	22
Manitoba	18
New Brunswick	14
Nova Scotia	14
Newfoundland	9
Northwest Territories	1
United States	15
United Kingdom	3
Australia	1
Finland	2
Germany	1
India	1

*Keith Winterhalder*

### Conservation Committee Report (Summer 1988 - Spring 1989)

1. Carolinian Canada - several meetings took place this year and acquisitions have been made. However, the choice of sites has sometimes left much to be desired. Private stewardship has been also encouraged through the program.
2. CBA/ABC Policy Statement on Transplantation appeared in *Natural Areas Journal* (Oct. 1988) along with additional background information related to transplantation. Supportive comments were received from readers. Requests for reprints and literature have been sent to interested parties.
3. Nature Conservancy of Canada. Comments were provided regarding possible approaches to the inventory and ranking of significant natural areas in Canada.

4. Young Leaders for Tomorrow Program. Possible participation in this was explored but the program folded before we could acquire a young leader to train in conservation. Maybe next year.

5. Grant application review was done for the Ontario Heritage Foundation.

6. Ontario Heritage Foundation. We received a conservation easement report which OHF funded recently. This document outlines easements as a possible alternative to outright acquisition.

7. Natural Heritage League, Ontario. Interim report on the "Action List" approach to significant sites.

8. Preparation and briefing took place with counsel from the Attorney General's office (Ontario) regarding July 1988 hearings on Matchedash Lake. The interests of conservation quickly won (at least temporarily) on the basis of a technicality. Letters of commendation were sent by CBA/ABC to various MNR personnel who worked hard to save the lake.

9. The proposed superport to which we objected, in Burns Bog, B.C. will not be built. The Mayor and Council of Delta denied the application to develop.

10. Creditview Wetland. An ecological assessment was written by Paul Maycock and he also appeared before the Mayor and Council of Mississauga to argue his point. CBA/ABC sent letters to the Minister of the Environment and the Mayor. Jocelyn Webber has been extremely active in this project at her own expense for months.

11. Manitoba - CBA/ABC sent a letter to the Department of Natural Resources advocating preservation of prairie in the Assiniboine Corridor Area.

12. Oriskany Sandstone Outcrop, Ontario. We have been advised that this dry area is now under the protection of the Grand River Conservation Authority and that the "oak forest is holding". A report on the area by Ian MacDonald has been checked for accuracy.

13. Ojibway Park and Pinery Provincial Park, Ontario, have not yet (April'88) been subjected to badly needed burns. However, the minister is now convinced of the value of fire management and we have been advised it will take place this spring.

14. Kevin Kavanaugh is currently acting as CBA/ABC representative on the Backus Advisory Committee, Backus Woods, Ontario.

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15. We have requested a copy of the Interim Management Guidelines for Bruce National Park for review as input into management planning will begin in Summer 1989.

16. Temagami Wilderness Area, Ontario. CBA/ABC has sent a letter of objection regarding construction of a logging road into this area. Some members have sent donations as well.

17. Westmeath Candidate Provincial Park, Ontario. CBA/ABC recommended that this be declared a Nature Reserve Provincial Park rather than a multi-use or recreational park.

18. We provided comments on the Trotter's Lake ANSI report (Ontario) submitted to the committee by the Aylmer District of the Ministry of Natural Resources. Also we have reviewed the Allendale Bluffs Inventory from the Central Region, as well as reports on the Bronte Creek and Big Chute ANSI's. We also commented on the Sinclair's Bush Inventory from the Chatham District.

19. Girl Guides of Canada. The chair responded to a request for a presentation to the group on Carolinian Forests and possible conservation strategies on their property.

20. We commented on a Timber Management Plan for Georgian Bay and Parry Sound, Ontario.

21. The committee reviewed a biological investigation and evaluation of Big Chute Rocklands area of natural and scientific interest.

22. With the help of Dr. Vernon Harms, the committee provided extensive comments regarding the protection of rare plants in the proposed Rafferty and Alameda dam sites.

23. The committee advised the Ontario Heritage Foundation to utilize the grant program for quantitative investigations as well as inventories.

24. We wrote to the superintendent of Fathom Five Marine park indicating the need to protect rare plants of Bears Rump and Flowerpot Islands.

25. The committee responded to the issue of partial destruction of the Constance Bay wetland in the Ottawa Valley.

26. The committee recommended implementation of a plan to protect coastal plain flora in a letter to the Nova Scotia Museum.

- Diane Fahselt, Chair



## MEETINGS\*FUTURE

### CBA/ABC 1990 Windsor

The 26th annual meeting of CBA/ABC will be held at the University of Windsor from June 10-14, 1990. The main theme for the meeting is the ecology of wetlands in the Great Lakes region. A symposium has been organized to feature the environmental and botanical impact of these wetlands. In addition to the usual sectional symposia and sessions of contributed papers and posters, a two-day pre-conference field trip to the Lake Erie Islands and intra-conference day trips to Carolinian forest, prairie and wetland sites are planned.

Set aside early June for a visit to Windsor and a chance to explore the unique botany and culture of the deep south in Ontario!

### XV International Botanical Congress, Tokyo

The organizing Committee of the XVth International Botanical Congress wishes to announce that the XV IBC will be held in the Tokyo area during August and September, 1993: nomenclature session 23-27 August; general session 28 August - 3 September. The first circular of the XV IBC will be prepared in 1990 and distributed to those who are interested in the Congress. Requests for information and other questions and comments may be sent to the Secretariat at the following address.

XV International Botanical Congress Tokyo  
Department of Botany, Faculty of Science  
The University of Tokyo, 7-3-1 Hongo  
Bunkyo-ku, Tokyo 113, Japan

*Kunio Iwatsuki*  
*Secretary General*  
*XV International Botanical Congress*



## CALL FOR NOMINATIONS-AWARDS 1990

### George Lawson Medal

The purpose of this award is to provide a collective and formal expression of the admiration and respect of botanists in Canada for the excellence of the contribution by an individual to Canadian botany. Any botanist working permanently in Canada or having spent the greater part of his/her career here is eligible.

In any year, a maximum of two (2) awards may be made, one in each of the two categories outlined below, although a single award, or no award, may be made as the Awards Committee judges appropriate. The two categories are:

a. Recognition of the cumulative, distinguished contributions of a senior investigator and/or teacher and/or administrator who has worked in Canada for the greater part of his/her career, and whose influence has contributed notably to the advancement of Canadian botany.

b. A single contribution to botanical knowledge of outstanding distinction. Commonly this would take the form of a published paper, a series of papers, a monograph, or a book by a botanist at any stage of his/her professional career. The contribution should be of singular significance to the discipline at large.

In order that the Awards Committee may learn of botanists who are eligible for these awards, all members of CBA/ABC are invited to submit nominations, and to consult with their colleagues for suggestions. Nominations should be accompanied by a curriculum vitae, a clear statement of the nominee's contribution to botany in Canada, and as much documentation as possible. Letters by others supporting the nomination would also help the Awards Committee in reaching its decision.

### Mary E. Elliott Service Award

This award was established in 1978 for meritorious service to CBA/ABC. The award may be made from time to time as the Awards Committee may recommend at its discretion.

Members of CBA/ABC are invited to submit nominations for this award to the Awards Committee, together with a curriculum vitae. A citation of approximately 100 words should accompany the nomination.

Nominations for both of the above awards are kept on file for three years after submission, but nominators are re-

quested to provide updated information for the second and third years. Nominations for the above awards should be submitted to the Chairman of the CBA/ABC Awards Committee before December 31, 1989, with all the necessary documentation to:

Dr. Irwin M. Brodo  
National Museum of Natural Science  
Botany Division  
P. O. Box 3443, Station D  
Ottawa, ON K1P 6P4

### **Questionnaire on the Status of Systematics in Canadian Universities**

The *ad hoc* committee of the S & P section realizes that a return address was not indicated on the questionnaire sent with the last issue of the Bulletin. Please forward your completed questionnaire either to:

Dr. Luc Brouillet                      or to: Dr. J. B. Phipps  
Institut botanique                      Department of Plant Sciences  
Université de Montréal                The Univ. of Western Ontario  
4101 est, rue Sherbrooke              London, Ontario N6A 5B7  
Montréal, Qc. H1X 2B2

We believe that it is in the interests of all systematists to respond to this questionnaire. We would also encourage all departmental chairmen, even if not members of the CBA/ABC to respond. Further copies of the questionnaire may be obtained by writing to Dr. Phipps.

## NEWS AND NOTES

### Another Call for Unpublished Checklists

This is one more attempt to solicit unpublished checklists for the repository of checklists maintained at the National Museum of Natural Sciences for the Systematics and Phytogeography section of the Association.

If you do not have any lists of vascular plants (or other groups) yourself, please inform naturalist friends and consultants who may be doing inventories of parks, conservation areas, townships, or other areas. By recording such efforts in our checklist data base and by advertising its

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contents the information the authors have generated may become more widely used.

I will make additional attempts this year to obtain lists from naturalist groups who may have members engaged in compiling inventories for their local areas. If there is little response to these requests for new lists and if there are no inquiries for information contained in the data base this year, this will indicate that it is serving no useful function and should be discontinued.

Lists or inquiries should be sent to:

Erich Haber  
Botany Division  
National Museum of Natural Sciences  
P.O. Box 3443 Station D  
Ottawa, Ont. K1P 6P4

#### NOTICE OF MOVE

Dr. John McNeill has written to inform us that he has resigned as Regius Keeper of the Royal Botanic Garden Edinburgh effective 15 October 1989, in order to take up the position of Associate Director Curatorial at the Royal Ontario Museum, Toronto, Canada. He writes, "Although responsibility for research and scholarship in areas as diverse as invertebrate zoology and Chinese art (as well, of course as botany) is an exciting challenge in an institute with the renown of the ROM, I have greatly enjoyed being in Edinburgh and am very sad to be leaving the RBG, particularly at a time when several exciting new developments are taking place."

From October 15, Dr. McNeill's address will be:

Dr. J. McNeill  
100 Queen's Park  
Toronto, Ontario M5S 2C6

#### SOCIETY FOR ECOLOGICAL RESTORATION AND MANAGEMENT

##### ANNOUNCEMENT OF ANNUAL MEETING

The Society for Ecological Restoration announces its second annual conference, to be held in Chicago, April 29-May 3, 1990, at the Sheraton International Hotel at O'Hare. The program will include several special sessions to explore the state of the art as it applies to key environmental issues, and a full program of contributed papers and

posters, special lectures, workshops, field trips and other special events designed to facilitate communication among restorationists and with decision makers and the general public. Special programs will include: Prairie Restoration, Restoration and Global Climate Change, Setting Standards for Monitoring Restoration Projects, Restoration and Recovery of Endangered Species, Restoration Philosophy, and a number of Field Trips. Call for Papers: Forms for submission of abstracts may be obtained from the Society's offices in Madison, WI or from Program Chair Keith Wintenthalder, Biology Department, Laurentian University, Sudbury, Ontario P3E 2C6 (705-675-1151, ext. 2213) DEADLINE FOR SUBMISSIONS IS JANUARY 15, 1990.



#### BOOK REVIEW

**Flora of New Zealand. Volume IV, Naturalised Pteridophytes, Gymnosperms, Dicotyledons** by C. J. Webb, W. R. Sykes, and P. J. Garnock-Jones. Botany Division, Department of Scientific and Industrial Research, Christchurch, New Zealand. 1988. 1365 pp. Price: NZ\$88.00 (includes shipping and handling).

The fourth volume of the five volume set in the Flora of New Zealand series treats all ferns, fern allies, gymnosperms, and dicots that are considered naturalised (introduced into and becoming wild) in New Zealand. Volume IV treats 132 families and 617 genera with naturalised taxa and keys out an additional 47 families and 167 genera that have only indigenous representatives. In total, 1470 naturalised species are treated. For genera with both indigenous and naturalised species, the indigenous species are also described. This accounts for an additional 397 species. Of the 1470 naturalised species, 1243 are considered well established in New Zealand and have full treatments in the flora. The remaining 227 species, which are reported from one or two collections or early collections only, have reduced treatments. Illustrations are provided for 533 species.

Naturalised species descriptions are well written and include detailed distribution information in New Zealand, general world-wide distributions, habitat descriptions, common names, and flowering and fruiting times. For many species treatments, how and when the taxon was introduced into New Zealand is briefly discussed.

This volume is an outstanding reference source as an identi-  
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fication manual and source of botanical information on the naturalised flora of New Zealand. It is well organized and well documented. The preface to the volume explains the choice of species included, defines the authors definition of naturalised species, and presents an excellent overview of the botanical history of New Zealand. Citations to the relevant literature on the taxa treated appear quite complete. Families, genera, and species are arranged alphabetically allowing quick reference to specific taxa without having to go to the index. One minor complaint I have is that there is no clear description of what is covered in the other four volumes in the series.

I highly recommend this volume for libraries, and persons interested in the naturalised flora of New Zealand.

*Terrence W. Walters, Fairchild Tropical Garden Science Center, 11935 Old Cutler Road, Miami, Florida 33156, U.S.A.*



## GARDEN NEWS

Gardeners in many areas have problems with deer eating plants in gardens, and many suggestions have been made for scaring them away. The town council at Bishop's Waltham, Hampshire, UK, decided that heaps of lion and tiger dung spread around the local cemetery would do the trick and arranged for a supply of dung from a local zoo. However, the local citizenry decided they did not like the idea. The local zoo also thought that the manure would not be effective because wild deer in Britain do not have an inbred fear of lions and tigers.

Horticulture Weekly 201(9), 1987.

### Lost Garden Discovered

A team of archaeologists working in an area of walled land behind Gawsworth Old Hall, Cheshire, UK, have unearthed a 400-year old pleasure garden. The Hall was once the home of Mary Fitton, believed to have been the "Dark Lady" of Shakespeare's sonnets. The archaeologists believe the garden was created by Sir Edward Fitton, her father, in the hope that Queen Elizabeth I would visit Gawsworth.

Horticulture Weekly 202(5), 1987

- submitted by *Sylvia Taylor, UBC Botanical Garden.*

## GARDEN TOUR

Members may be interested in a tour entitled "The

Spring Gardens of England and Wales". This tour has been developed by Learning Strategies, an Ottawa-based company, in conjunction with Carleton Travel Services Ltd., 1600 Merivale Road, Nepean, Ont.

The tour itself takes place from May 13 to May 26, 1990, and will include visits to 19 outstanding gardens, the opportunity to tour some of the historic houses within these gardens, a day at the Chelsea Flower Show, and time to visit gardens in and around London.

The price of the tour, all-inclusive, from Toronto, is \$3295 (single supplement \$365). For more information about the tour or the company that is sponsoring it, contact:

Ann Falkner  
Learning Strategies  
P.O. Box 2857, Sta. D  
Ottawa, Ont. K1P 5W8  
(612) 722-3226



## NEW BOOKS

The following new books may be of interest to members:

Gabrielson, P. W., R. F. Scagel and T. B. Widdowson. (1989) **Keys to the Benthic Marine Algae and Seagrasses of British Columbia, Southeast Alaska, Washington and Oregon. Phycological Contribution Number 4.** Department of Botany, University of British Columbia. vi + 187 pages. ISBN 0-88865-464-2. Cost. Cdn\$15, not including postage and handling.

Scagel, R. F., P. W. Gabrielson, D. J. Garbary, L. Golden, M. W. Hawkes, S. C. Lindstrom, J. C. Oliveira and T. B. Widdowson. (1989) **A Synopsis of the Benthic Marine Algae of British Columbia, Southeast Alaska, Washington and Oregon. Phycological Contribution Number 3.** Department of Botany, University of British Columbia. vi + 532 pages. ISBN 0-88865-462-6. Cost \$Cdn 25, not including postage and handling.

Both of the above books may be ordered from:

Dr. Robert F. Scagel  
Department of Botany  
University of British Columbia  
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(continued on next page)

(continued)

Cody, Wm. J. & Donald M. Britton. 1989. "Ferns and Fern Allies of Canada" prepared for Agriculture Canada. 430 pp. \$38.50.

This is the first publication to examine ferns across the country. It includes Latin notes with synonymy; common names; keys to families, genera, and species; descriptions; and notes on cytology, habitat, range, and items of special interest. Line drawings and distribution maps are provided for each species. Illustrations and maps are also included. Available from the Canadian Government Publishing Centre, Ottawa, Ont. K1A 0S9

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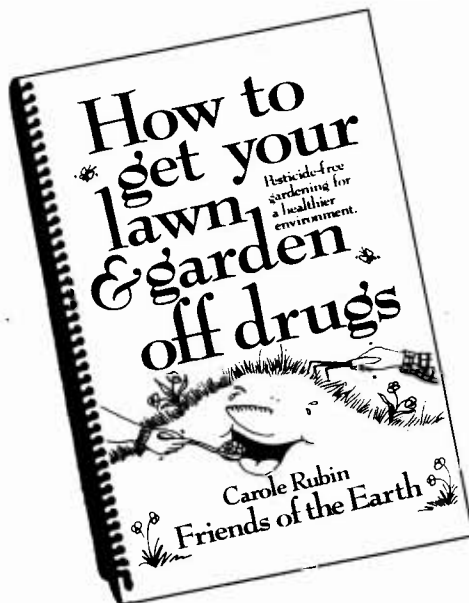
#### AN IMPORTANT NOTICE ABOUT DUES

At the annual general meeting of CBA/ABC this summer there was a formal vote in favour of joining with other Canadian biological societies under the umbrella of the Canadian Federation of Biological Sciences (CFBS). This will mean that we will have the services of a proper, professional lobbying organization which, we hope, will be able to bend the ear of the ever-fickle politician in Ottawa. This, of course, will cost money and as you know our annual dues will be going up. We do not know at this time exactly how much the increase will be.....everything should be clarified in the January Bulletin.

If you've already sent in your 1990 dues, you'll get a receipt for that amount and be billed the difference at a later date. Contact Tim Dickinson at the R. O. M. (Address on back page) for further information.

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### THE LAST WORD: (*Jean M. Gerrath*)

This edition marks the end of our first year as editors. We've learned a lot, and hope that we will make fewer (or at least different) gaffes the second year. You'll have noticed when you read the Directors' meeting highlights that the Directors are now responsible for feeding us regional news. This doesn't let members off the hook, though. Directors names and addresses are listed on the back page, and members may contact their regional representative with news. Speaking of news, has no one received a Ph.D in botany in the country since July?

**NOTE: The deadline for the January issue is December 15.**

The Bulletin of the Canadian Botanical Association:

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