



BULLETIN

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Guelph

PATRON

His Excellency the Right Honourable Ramon John Hnatyshyn P.C., C.C., C.M.M., C.D., Q.C.
Governor General of Canada

IN THIS ISSUE

New Membership Dues	P. 38
Commentary/Taylor Steeves	P. 41
Treasurer's Report	P. 44
Conservation Committee	P. 46
Systematics & Phytogeography Committee	P. 47
Future Meetings	P. 48
Letter to the Editor	P. 49
McGill News	P. 49
New Books	P. 51
Alberta News	P. 52
Ontario News	P. 52
News of Members	P. 53
Call for Nominations	P. 53
Porsild Award	P. 54
Officers of CBA/ABC	P. 56
The Last Word	P. 56

EDITORS' FORUM:

This issue of the Bulletin may be one of the most important ones that we've produced. It certainly has been a challenge to put together. There are several crucial items included that deal with the proposed substantial raising of membership dues. Please read this material very carefully and consider it when you get your ballot on the dues increase in the next few weeks.

I would like to point out that CFBS is already working very hard for us in their efforts to prevent the diversion of NSERC funds to the KAON Factory project in B.C. Should the government succumb to the pressures to fund this megaproject we could face cuts and shortfalls to NSERC funding to universities for years to come. Please follow the example of the CFBS and write to the Prime Minister's Office and to the Minister of Science and Technology (Bill Winegard) and get your viewpoint on the record.

As you can see at the top of this page we now again enjoy the patronage of the Governor General. In a letter to President Paul Catling, the representative of the Governor General's Office noted that His Excellency conveys his very best wishes for the success of the CBA/ABC and its programs, and he thanks us for extending the invitation to serve as Patron. I know that we are all very happy to once again see the familiar notation of the Patron on our title page.

NEW MEMBERSHIP DUES

Shortly after receiving this copy of the Bulletin CBA/ABC members will receive a mail ballot regarding a new dues structure. The proposed dues are necessary as a consequence of the decision at the 1989 annual meeting in Toronto to join the Canadian Federation of Biological Sciences (CFBS). The reasons for this decision have been elaborated in the Bulletin of the CBA/ABC in an article by Irwin Brodo (Vol. 23(1): 2-5, 1990). To summarize this in one sentence, with the dissolution of the Biological Council of Canada (BCC), affiliation with CFBS is needed in order for the CBA/ABC to influence science policy in Canada. Since many of the concerns of Canadian botanists have to do with government policies, the executive of the CBA/ABC believes that this affiliation will greatly improve the Association's ability to serve botany in Canada.

The cost of CBA/ABC membership in CFBS is based on the number of members in each of the CFBS categories (Regular, Student). A new dues structure is required in order to cover this cost. The following revised membership dues are the product of discussions at the plenary session of the CBA/ABC at the 1990 annual meeting in Windsor. The principle used to arrive at these dues was replacement of the former BCC levy of \$7.00 per regular member (\$2.00 per student or retired member) with the CFBS cost, if any.

	Existing CBA/ABC dues			Proposed dues 1990/91		
	CBA/ABC	BCC	Total	CBA/ABC	CFBS	Total
Regular	\$25.00	\$7.00	\$32.00	\$25.00	\$40.00*	\$65.00*
Student	\$10.00	\$2.00	\$12.00	\$10.00	\$15.00	\$25.00
Retired	\$10.00	\$2.00	\$12.00	\$10.00	nil	\$10.00
Life	\$400.00	nil	\$400.00	\$1000.00	nil	\$1000.00

*(30.00/\$55.00 for non-Ph.D. regular members)

If the new dues structure is approved, members will be credited for any sums already received in payment of their 1990/91 dues. **Members outside Canada will not be charged for CBA/ABC membership in CFBS (nor will they receive CFBS mailings). CBA/ABC members who belong to other societies in CFBS will pay for CFBS membership only once;** you will be asked to indicate the society through which you are paying for CFBS membership.

The executive of the CBA/ABC urges the members of the Association to return the mail ballot **approving** the new dues structure, and to resist the temptation to withdraw from the Association because of the increased cost. Membership in the CBA/ABC promotes botanical science not only by means of its voice in CFBS:

Communication and technology transfer are enhanced through our annual meetings. These include paper presentations, section meetings, symposia, group discussions, and field trips.

The CBA/ABC Bulletin and its periodic supplements contain news, articles, points of view, and book reviews.

The CBA/ABC recognizes excellence in botanical research and service to botany in Canada through various awards, including the Lawson Medal, the Mary S. Elliott Award, the Luella K. Weresub Award, and the proposed Porsild Award.

Graduate students are encouraged through the Lionel Cinq-Mars Award and the John Macoun travel bursary.

Members of the CBA/ABC receive special rates (approximately half the regular individual rate) for subscriptions to NRC journals.

In addition CBA/ABC promotes the protection of significant botanical resources in Canada through the work of a very active Conservation Committee.

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Membership in CBA/ABC costs less than several other professional societies, but it is worth a great deal. The executive of the CBA/ABC is convinced that the association's membership in FCSB will further enhance the value of CBA/ABC membership. In addition, membership in the national botanical organization represents a commitment to Botany in Canada. As one member put it, most professional botanists have gotten more than a career out of Botany, so it is not unreasonable to put something back through continued membership in CBA/ABC.

- P. M. Catling, President

- T. A. Dickinson, Treasurer

NOUVELLES COTISATIONS

Un peu après la réception de ce bulletin, les membres de l'ABC/CBA recevront un bulletin de vote portant sur les nouvelles cotisations annuelles. Les cotisations proposées font suite à la décision d'adhérer à la Fédération Canadienne des Sciences Biologiques (FCSB), qui a été prise lors de la réunion annuelle 1989 de Toronto. Les raisons qui ont suscitées cette décision sont expliquées par le Dr. Irwin Brodo dans le Bulletin de l'ABC/CBA (23[1]:2-5, 1990). En somme, afin d'assurer que nous puissions avoir une certaine influence sur les politiques scientifiques du Canada, la dissolution du Conseil Biologique du Canada (CBC) rend nécessaire notre adhésion à la FCSB. Étant donné que plusieurs des inquiétudes des botanistes canadiens soient reliées aux politiques gouvernementales, l'exécutif de l'ABC/CBA croit que cette affiliation améliorera notre capacité de servir les intérêts de la botanique au Canada.

Le calcul des nouvelles cotisations de l'ABC/CBA en tant que société membre de la FCSB, est basé sur le nombre de membres inscrits dans chacune des catégories de la FCSB (Régulier, Étudiant); par conséquent un réajustement des cotisations est nécessaire. Les nouvelles cotisations présentées ci-dessous sont le résultat de discussions qui ont eu lieu à la session plénière de l'ABC/CBA au cours de la réunion annuelle 1990 de Windsor. Les cotisations sont calculés en remplaçant la cotisation de \$7.00 par membre régulier pour le CBC (membres à la retraite et étudiants \$2.00), par le coût de la cotisation de la FCSB, s'il-y-a-lieu.

Cotisations actuelles			Cotisations proposées pour 1990/91			
ABC/CBA	CBC	Total	Catégorie	ABC/CBA	FCSB	Total
\$25.00	\$7.00	\$32.00	Régulier	\$25.00	\$40.00 *	\$65.00*
\$10.00	\$2.00	\$12.00	Étudiant	\$10.00	\$15.00	\$25.00
\$10.00	\$2.00	\$12.00	Retraité	\$10.00	-nul-	\$10.00
\$400.00	-nul-	\$400.00	À vie	\$1000.00	-nul-	\$1000.00
*(\$30.00/\$55.00 pour les membres réguliers sans doctorat)						

Si les nouvelles cotisations sont approuvées, les membres dont les paiements pour 1990/91 nous ont déjà été expédiés, se verront créditer toute somme payée en trop. **Les membres à l'extérieure du Canada ne seront pas facturés pour la cotisation FCSB (et ne recevront pas les circulaires de la FCSB). Les membres de l'ABC/CBA qui sont aussi membres d'autres sociétés membres de la FCSB ne paie qu'une seule cotisation à la FCSB;** vous devrez indiquer à quelle société vous avez l'intention de payer la cotisation de la FCSB.

L'exécutif de l'ABC/CBA encourage les membres de l'Association à retourner le bulletin de vote **appuyant** les nouvelles cotisations, et de ne pas céder à la tentation de se retirer de l'Association à cause de la hausse des coûts d'adhésion. Être membre de l'ABC/CBA aide à la promotion des sciences botaniques, non seulement par l'intermédiaire de la FCSB, mais aussi par les activités suivantes:

Les communications et les transferts technologiques sont favorisés par l'intermédiaire de nos rencontres annuelles, au cours desquelles on peut participer à des présentations scientifiques.

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des réunions par section, des colloques, des discussions en groupes, et des expéditions.

Le Bulletin de l'ABC/CBA et ses suppléments présentent des informations, rapports, articles, points de vue, et compte rendu de bouquins.

L'ABC/CBA reconnaît l'excellence en recherche et le dévouement de grands botanistes par intermédiaire de plusieurs prix et bourses, incluant la Médaille Lawson, le prix Mary S. Elliott, le prix Luella K. Weresub, et le prix Porsild proposé.

On encourage l'excellence des étudiants par l'intermédiaire du prix Lionel Cinq-Mars et de la bourse de voyage John Macoun.

Les membres de l'ABC/CBA bénéficient de réductions pour les journaux du CRN (environs la moitié du prix pour un abonnement individuel).

De plus, l'ABC/CBA travaille pour la protection des ressources botaniques canadiennes par l'entremise des activités du Comité de Conservation.

Les cotisations à l'ABC/CBA sont inférieures à celles de plusieurs autres sociétés professionnelles, mais les avantages acquis n'en sont point diminués. L'exécutif de l'ABC/CBA est convaincu que les avantages à être membre seront encore plus grands suite à notre affiliation à la FCSB. De plus, être membre de l'association botanique nationale démontre votre engagement pour la botanique canadienne. Ainsi, comme l'a dit un de nos membres, la plupart des botanistes professionnels retire plus qu'une carrière en botanique; il est donc raisonnable d'y investir un peu par nos cotisations à l'ABC/CBA.

- P. M. Calling, Président, T. A. Dickinson, Trésorier

Dues Reminder

Don't throw away the envelope in which you received your copy of the Bulletin! On the address label, to the right of your name, are the last two digits of the last year for which you are on record as having paid your dues. If these digits are "89" then the last year for which your dues were paid is 1988/89, and this is your last copy of the Bulletin until you renew for 1990/91! If these digits are "90" then you are paid up for 1989/90 and you will be sent a dues notice for 1990/91 shortly. If they are "91" your dues notice will advise you how much, if any, additional dues you owe for 1990/91 (depending on the outcome of the forthcoming mail ballot). Members who have inadvertently paid their 1989/90 dues twice can expect to see a credit toward their 1990/91 dues. Life members are indicated by an "L" on their mailing label, and can ignore this discussion.

- T. A. Dickinson, Treasurer

Rappelle des cotisations

Ne jetez pas l'enveloppe dans laquelle nous vous avons expédié le Bulletin! Sur l'étiquette adresse, les derniers chiffres à droite de votre nom indiquent la dernière année pour laquelle vous avez payé votre cotisation. Si ces chiffres sont "89", la dernière année pour laquelle vous avez payé est 1988/89, et ceci est votre dernière édition du Bulletin à moins que vous renouveliez pour 1990/91! Si ces chiffres sont "90", vous avez payé pour 1989/90 et vous recevrez bientôt votre avis de renouvellement pour 1990/91. Si ces chiffres sont "91" votre avis vous indiquera la somme additionnelle (s'il-y-a-lieu) que vous devrez verser pour 1990/91 (selon le résultat du vote postal à venir). Les membres qui ont par mégarde payés deux fois pour 1989/90 recevront un crédit pour les cotisations 1990/91. Les membres à vie sont indiqués par un "L" sur l'étiquette d'adresse, et ne sont pas concerné par toute cette discussion.

- T. A. Dickinson, Trésorier.

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Dr. Taylor Steeves, one of Canada's most respected botanists and a long standing member of CBA/ABC, sent a very timely letter regarding our recent decision to join with the CFBS.

Comment on the entry of CBA into CFBS:

Like many other members of the Canadian Botanical Association, I was extremely uneasy about the proposed merger of the Biological Council of Canada with the Canadian Federation of Biological Societies. It seemed to me that the particular interests of our association, which had agreed admirably with those of BCC, would now be submerged in a much larger organization with a distinctly medical and biochemical orientation. Nevertheless, at the Annual General Meeting in Toronto I voted for the merger, in effect supporting an application by CBA for membership in CFBS. In spite of the heroic efforts of many dedicated biologists, including members of our association, BCC simply lacked the resources to function effectively and it did not seem that CBA alone could hope to exert any influence on national policy at a time when many issues of great significance to us are being debated. I would like to explain why my initial misgivings about this move have now been replaced by enthusiastic endorsement for it, including the rather substantial increase in membership fees.

After the Toronto meeting I went on to Truro, Nova Scotia to begin a sabbatical year at the Nova Scotia Agricultural College. In January I was asked by President Irwin Brodo to represent CBA at a meeting of the CFBS Board in Halifax on February 18 at which our application for membership would be considered. In spite of my misgivings about the undertaking, I agreed. That meeting was extremely enlightening for me and did much to allay my lingering doubts. Upon arrival at the meeting I found myself in the company of representatives of the Canadian Society of Plant Physiologists, the Entomological Society of Canada, the Canadian Society of Zoologists and the Canadian Council of Biology Chairmen. All of us were there to present our society's application for membership. Two other potential member societies, the Canadian Phytopathological Society and the Genetics Society of Canada, had not as of that date made a decision regarding an application. As the meeting began, the Chairman asked permission to move the applications to the head of the agenda and, after a brief presentation by each representative, they were approved with minimal discussion and obvious enthusiasm. Immediately thereafter it was agreed that the representatives present should be treated as ad hoc members of the board with full privileges. Further, as the meeting progressed, we were pointedly asked for opinions on each important item of business as it arose. In short, it quickly became apparent that the new member societies were heartily welcomed and that their perspectives were to be given serious consideration. Indeed a task force was appointed to consider the structure of the Board in relation to its increased membership and to look at future directions of the Federation in the light of the broadened membership as well as ways in which it can become more effective and professional with the larger budget now available.

The business of the meeting was most heartening. The Federation has an active and broadly representative Science Policy Committee, maintains a Science Policy Office in Ottawa and employs a Science Policy Officer. It was evident from the reports presented that there is effective contact with government administrators, parliamentarians and federal granting agencies, that the member societies are kept fully abreast of science policy matters and that public education is an activity of high priority. I was impressed by the effort devoted to the question of underfunding for basic research and the many ramifications of this critical problem. I was also, quite frankly, surprised by the interest in environmental issues which took up a considerable portion of the meeting and by the evident expectation that the new members would make an important contribution in this area particularly. In essence, our association has much more in common with the traditional members of CFBS than I had imagined and in joining with them we have an opportunity to be much more effective than we have ever been. We also now have the possibility to meet with CFBS from time to time if we so choose and I believe that an occasional interaction with, for example, cell biologists, biophysicists, anatomists or toxicologists as well as other former BCC societies could benefit members of our association as well as theirs.

In short, my original misgivings have been replaced by the firm conviction that CBA has made a

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positive move in joining CFBS and I urge all members of our association to get behind this initiative and make it work to our benefit and that of the entire biological community. It seems to me that the increased membership fee is a small price to pay for the opportunity now open to us to make our voice heard nationally on issues to which we have long been dedicated.

- Taylor Steeves, Department of Biology, University of Saskatchewan

Dr. Taylor Steeves, un des botanistes les mieux respectés au Canada et membre de l'ABC/CBA depuis plusieurs années, nous envoie cette lettre très à propos, au sujet de notre décision récente de nous joindre à la FCSB.

Commentaire au sujet de l'adhésion de l'ABC à la FCSB:

Comme plusieurs autres membres de l'Association Botanique Canadienne, j'étais très mal-à-l'aise à l'idée de joindre la Fédération Canadienne des Sociétés Biologiques, tel que proposé par le Conseil Biologique du Canada. Il me semblait que les intérêts particuliers de notre association, qui concordaient bien avec ceux du CBC, seraient maintenant dilués par l'adhésion à une plus grande organisation possédant une orientation nettement médicale et biochimique. Cependant lors de la réunion générale annuelle de Toronto, j'ai voté en faveur de la fusion, supportant ainsi l'adhésion de l'ABC à la FCSB. Malgré les efforts héroïques de plusieurs botanistes dévoués, y compris certains membres de notre association, le CBC manquait tout simplement de ressources pour fonctionner de façon efficace, de plus il ne semblait pas possible que l'ABC toute seule puisse espérer avoir une influence significative sur les politiques nationales, alors que plusieurs questions importantes pour nous y étaient débattues. J'aimerais donc expliquer les raisons qui ont motivé ce changement d'opinion, allant du doute à l'approbation enthousiaste, et cela en dépit des hausses substantielles des cotisations.

Peu après la réunion de Toronto, je me rendis à Truro, Nouvelle-Écosse, pour entreprendre une année sabbatique au Collège d'Agriculture de la Nouvelle-Écosse. En Janvier, le Président Irwin Brodo m'a demandé de représenter l'ABC à la réunion du conseil de la FCSB qui avait lieu à Halifax le 18 février suivant, et à laquelle notre demande d'adhésion serait discutée. Malgré mon appréhension, j'ai accepté de m'y rendre, et je dois dire que l'expérience m'a permis de mieux comprendre les avantages d'une telle association, et d'apaiser considérablement mes craintes. En arrivant à la réunion, je me suis retrouvé en compagnie des représentants de la Société Canadienne de Physiologie Végétale, de la Société d'Entomologie du Canada, de la Société Canadienne de Zoologie, et du Conseil Canadien des Directeurs de Départements de Biologie. Nous y étions tous pour présenter les demandes d'adhésion de nos sociétés respectives. Deux sociétés, la Société Canadienne de Phytopathologie et la Société de Génétique du Canada n'avaient pas encore prise de décision au sujet de leur adhésion. Au début de la réunion, le Président a proposé que les demandes d'adhésion soient le premier item à l'agenda, après une brève présentation par chacune des sociétés, c'est avec enthousiasme que les demandes ont été acceptées, et cela sans trop de discussion. Ensuite, il a été décidé que les représentants présents soient acceptés immédiatement comme membres *ad hoc* du conseil avec tous les privilèges que cela implique. De plus, au cours de la réunion, les représentants ont été encouragés à émettre leurs opinions sur toutes les questions importantes. En somme, il était très évident que les nouvelles sociétés-membres sont les bienvenues au sein de la FCSB, et que leurs perspectives seront considérées sérieusement. D'ailleurs, un comité a été formé pour d'abord réexaminer les structures du conseil de façon à mieux représenter les nouveaux membres; ensuite, pour envisager les orientations futures de la Fédération en considérant la plus grande diversité des membres; et enfin, pour explorer les moyens disponibles pour améliorer l'efficacité et le professionnalisme de la fédération étant donné les nouveaux fonds maintenant disponibles.

La réunion fut en somme très encourageante. On retrouve au sein de la Fédération, un Comité de Politique Scientifique très actif et représentatif de l'opinion de nos membres. De plus la FCSB maintient un Bureau de Politique Scientifique à Ottawa, qui emploie un représentant responsable des Politiques Scientifiques. Les rapports présentés indiquent qu'il existe un contact permanent et efficace avec l'administration gouvernementale, les législateurs, et les agences de subventions. Il est clair que les sociétés-membres sont aussi bien informés au sujet des politiques scientifiques, et

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que l'éducation publique est une activité prioritaire au sein de la FCSB. L'effort consacré pour résoudre le problème du manque chronique de subventions pour les recherches fondamentales et ses ramifications est impressionnant. J'étais aussi surpris de voir l'intérêt porté aux problèmes environnementaux qui d'ailleurs occupent une bonne partie de la réunion. La fédération espère aussi que les nouvelles sociétés-membres apportent une contribution toute particulière en ce domaine. Au fond, notre association a beaucoup plus en commun avec les membres traditionnels de la Fédération que je ne l'aurais d'abord pensé; en s'unissant nous avons l'opportunité d'avoir beaucoup plus d'impact qu'auparavant. Nous avons aussi la possibilité de nous réunir avec la FCSB de temps-en-temps si nous le voulons, et je crois que les interactions avec, par exemple, des biologistes cellulaires, biophysiciens, anatomistes, ou toxicologues ainsi qu'avec les anciens membres du CBC pourraient être utiles pour nos membres ainsi que pour les leurs.

En somme, mes doutes ont été remplacés par la conviction profonde que l'ABC a pris la bonne voie en se joignant à la FCSB, et j'encourage tous les membres de l'association à appuyer cette initiative pour aider au fonctionnement, ce qui sera profitable pour nous et pour toute la communauté de biologie. Il me semble que la hausse des cotisations est minime en comparaison des avantages que nous en retirons, et tout particulièrement la possibilité de se faire entendre au niveau national sur les politiques auxquelles nous nous sommes dévoués depuis longtemps.

- Taylor Steeves, Département de Biologie, Université du Saskatchewan.

Treasurer's Report

Canadian Botanical Association/l'Association Botanique du Canada Financial Statement for fiscal year 1989-1990 (1 June 1989-31 May 1990)

Balance forward 30 August 1989	\$45,897.24
Revenue	\$16,870.72
Total	\$62,767.96
Expenditures	\$10,990.75
Balance of funds 31 May 1990	\$51,777.21

Revenue Breakdown

Membership dues:

Regular (241)	\$7,712.00
Student (48)	\$1,536.00
Retired (29)	\$928.00
Life (1)	\$400.00

Total membership revenues \$10,576.00

NRC journal subscriptions	\$138.00
Donations to the Macoun Fund	\$653.39
Donations to the Weresub Fund	\$179.00
Macoun Fund interest	\$47.07
Weresub Fund interest	\$66.51
Bulletin revenues	\$389.73
Term deposit interest	\$737.46
AIBS revenues (1989)	\$4,008.54
Other	\$75.02

Total Revenues \$16,870.72

Expenditure Breakdown

NRC journal subscriptions	\$87.00
Bulletin	\$2,273.51
Secretary's office	\$1,707.15
Treasurer's office	\$693.90
Other executive expenses	\$70.40
AIBS expenses (1989)	\$2,391.74
1990 AGM advance	\$500.00
Awards	\$1,687.05
Cinq-Mars Award (1989)	\$200.00
Student Travel Awards	\$400.00
Youth Science Foundation	\$650.00
Receiver General for Canada	\$30.00
Other	\$300.00

Total Expenditures \$10,990.75

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Reconciliation

Assets

(as of 31 May 1990)

CIBC a/c	\$7,343.53
Term deposit	\$25,000.00
Petty cash	\$65.33
Macoun fund	\$2,788.29
Weresub fund	\$15,954.40
General endowment	\$1,035.66
Total	\$51,828.21

Liabilities

NRC journal subscriptions	\$51.00
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Surplus of assets over liabilities	\$51,777.21
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- Tim A. Dickinson, Treasurer

**Minutes of the meeting of the Conservation
Committee at Windsor, June 15, 1990**

P. M. Catling, Chairman, S. McKay-Kuja, Secretary

Present: G. Argus, P. Beckett, I. Brodo, E. Haber, V. Harms, J. Hrapko, P. Kannity, J. K. Morton, J. L. Riley, S. Taylor, S. Varga.

1. John Morton was thanked for representing the Conservation Committee on the Carolinian Canada "Steering Committee" and he agreed to continue as our representative. Concerns were raised by members present regarding: 1) the lack of a mechanism to prioritize newly discovered, extremely important, high quality sites, with respect to sites already slated for acquisition; 2) the fact that some Conservation Authorities have been pressing for the acquisition of lower priority sites; and 3) the diversion of Carolinian Canada monies to hiring staff rather than being used solely for land acquisition. John Morton will convey our concerns to the Committee. The question was raised as to whether the properties acquired could be designated as nature reserves, under the current Parks Act but this is not possible yet. It was noted that private owners are sometimes much better managers than public agencies.

2. Steve Varga is representative for the Conservation Committee to the World Wildlife Fund (WWF) Endangered Spaces Program - which is lobbying to have 10% of the natural systems throughout Canada protected as nature preserves or parks by the year 2000. Currently 2.6% is protected. A commitment to this goal was made by L. Bouchard before he resigned as the Federal Minister of the Environment and it is uncertain whether the next Minister would endorse the program. During the past year one park was designated in Newfoundland. The CBA/ABC President should reaffirm in a letter to WWF our commitment to this program.

3. Re the CBA/ABC Science Policy Committee: The Chair of the Conservation Committee would sit on this committee. Since Paul accepted the chair for Diane Fahselt when she left, he may turn it back to her on her return in August and she may agree to sit on the committee.

4. John Ambrose would like to receive official CBA/ABC acceptance for his 5 page document entitled "Planting as a Conservation Tool" which has been circulated to about 10 members at the conference. It was agreed that the intent

of the article was good and that it was a timely publication. Tree planting exercises have been initiated all over the country. This has been associated with an increase in the environmental consciousness of the general public and attempts to counterbalance global warming and the cutting of the tropical rainforests. A directive is essential for these programs since there is often little expertise available; however, it was agreed that John's text does require some modification to make sure that the idea of preservation is paramount and that more nature reserves are required. A suggestion was made that the document be retitled "Planting as a Tool for Rehabilitating Degraded Habitats". Erich Haber volunteered to work with John to produce a very concise outline (1-2 pages) that could be sent out from CBA/ABC to appropriate groups involved in planting. Everyone agreed that CBA/ABC needed a policy statement and document and we are looking forward to seeing the final version which would be circulated to Conservation Committee members for comment.

5. Reaume Prairie, near LaSalle, south of Windsor, is an exceptional site containing 35 rare species of plants. P. Catling had tried to interest F.O.N. in buying the property as a nature reserve but F.O.N. has been very slow in reacting so he suggested that Carolinian Canada should consider it.

6. The symposium on the Flora of Ontario highlighted the problem of protecting our rare flora. Better mechanisms exist in the surrounding U.S. states where, for example, Michigan has legislation to protect 400 plant species while Ontario's legislation only includes six plant species.

Action 1) Use the lobbying power of CFBS. Have them send letters to each of the provinces and the federal government asking if that agency had addressed the problem through legislation and what their plans for the future were. We may have to do the research for CFBS but they will do the lobbying.

2) Ten guidelines for provincial legislation on endangered species were produced by a UBC environmental lawyer. Cathy Keddy at the National Museum may research the situation with endangered plants in Ontario. Tony Reznicek may in the meantime prepare an article for the CBA/ABC Bulletin. It could be oriented nationally but regardless will focus on Ontario to show how little is being done there compared to the situation in the adjacent U.S.

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7. Re Noxious Weed Act and commercial "wild-flower" seed mixtures which contain *Alliaria officinalis* (problem in woodlands) and *Lythrum salicaria* (serious threat to wetlands), Gary Allen has volunteered to draft an article about the problem urging that these plants be added to the Act and they be prohibited from sale.

8. Vern Harms pointed out the false advertisement of live material of *Cypripedium acaule* being sold in Saskatchewan as propagated plants. Since it takes ca. 10 years to produce a flowering plant from seeds, it is more likely that the plants were collected from wild populations. Mention was made of the articles on wildflower gardening and transplanting which have been printed in the Plant Press and Natural Areas Journal. George Argus indicated that Cathy Keddy and Albert Dugal have already researched the sale of native plants throughout Canada - highlighting the rare species and discovered traffic of Canadian plants to the U.S. The collection of Hart's tongue fern was restricted in N.Y. by legislation 20 years ago - now plants are imported from Canada. It was agreed the CBA/ABC needs a pamphlet or position paper on approved guidelines for gardening with wild plants, especially the source of that material. This will be placed on the agenda for our next meeting in Edmonton.

If any members of CBA/ABC have concerns about the protection of significant botanical resources in Canada, they may contact the Conservation Committee Chairman at (613) 996-1665.

- S. McKay-Kuja, Secretary

News from the Systematics and Phytogeography Committee:

Nineteen members attended the meeting of the Systematics and Phytogeography Committee held at Windsor on June 11, 1990. The meeting was chaired by Paul Catling with Bill Crins acting as our secretary.

Our archivist, Erich Haber, has noted that four requests were received for materials in the Repository of Plant Checklists. Since requests have been received, Erich has agreed to continue to administer the repository. He would also welcome any additional checklists that members would be willing to donate to the collection.

The section's subcommittee on the status of systematics in Canadian Universities (Luc Brouillet and Jim Phipps) will continue to compile the results of our questionnaire and will report on the results in Edmonton in 1991.

There was lengthy discussion concerning the details of the A.E. Porsild Award, an award to be offered for a published paper in systematic and/or phytogeography by a student at a Canadian University or a Canadian student abroad. A few clarifications and changes to the proposal developed last year were noted. The eligibility requirements of the Award will be similar to those of the Weresub Award. Students or their supervisors must be CBA members. The Chair of the S&P committee will be on the selection committee, as will the President of CBA (ex officio), and others as determined by the By-laws of CBA. Funding logistics were also discussed and a subcommittee consisting of Paul Catling, Tim Dickinson, Erich Haber, and John Morton was formed to actively pursue funding for the award.

Other News: Field trips during the Edmonton Meetings. We are planning several field trips to be held either before or after the CBA meeting in Edmonton. I am planning a 2 1/2 day field trip to see the alpine vascular flora of the Alberta Rockies. Our first stop would be at Cardinal Divide in the Rocky Mountain Front Range east of Jasper. This area contains an excellent alpine flora. This part of the trip will include an easy 6 km hike with an ascent of only about 180 meters from the trailhead at a forest service trunk road. We will see a diversity of alpine habitats ending at the talus slope at the base of the upper slope of Tripoli Mtn. We will stay overnight in Hinton, Alberta. On day two we will see the alpine flora inside Jasper National Park, probably on Mt. Edith Cavell, and stay overnight in Jasper. We would return to Edmonton the next day. I'm asking that interested members drop me a note expressing interest in attending this field trip, so that we may know if there is enough interest to continue with further planning.

Randy Bayer, Chair, Systematics and Phytogeography Section. Dept. of Botany, University of Alberta, Edmonton

Future Meetings

Edmonton 1991

The 1991 annual CBA/ABC meeting will be held in Edmonton June 23 to 27th at the University of Alberta and in conjunction with the annual meeting of the Canadian Society of Plant Physiologists. The organizing committee is looking forward to extending western hospitality to the membership of both organizations and is planning a number of academic, social and extracurricular events to make the meeting as enjoyable and productive as possible.

In addition to contributed papers and posters, we have five symposia scheduled: "Phenotypic Plasticity", "The Role of Structure and Development in Evolution - mutation, symbiosis and speciation", "Orchid Biology", "Biotechnology and Crop Improvement", and "Tree Physiology".

Dr. Mary Spencer will be giving the CSPP Gold Medal Address, and Mrs. Helene Schalkwyk, a well known local amateur mycologist and artist, will be presenting the annual Weresub lecture.

A western style barbecue will be held Tuesday evening, June 24th, near the gates of the University's new 2.8 million dollar Kurimoto Japanese Garden, a recently completed project within the grounds of the Devonian Botanic Garden, on the outskirts of Edmonton. The annual banquet, Wednesday June 26, will feature ethnic home cooking at St. Basil's Ukrainian Cultural Centre.

Other plans include staging a photo competition and an exciting package of field trips and local tours. Planned preconference tours include a two day stay at the Meanook Field Station (Friday and Saturday, June 21st and 22nd), a four day tour of the southern Rockies (Thursday to Sunday, June 20 to 23), a one day excursion to the Royal Tyrell Museum of Paleontology (Sunday, June 23) and an afternoon "Bog hop" Sunday, June 23. Planned post conference tours include a day visiting the Red Deer River at Joffre and One Jaw Gap to explore the Palaeocene flora and a three day tour of the Mountain Park-Jasper-Kootenay Plains region.

- Randy Currah, Department of Botany, University of Alberta, Edmonton. T6G 2E9

Tenth Meeting of the Willi Hennig Society

The tenth meeting of the Willi Hennig Society will be hosted by the Royal Ontario Museum and the University of Toronto in Toronto, Canada, 16-19 August, 1991. The following symposia are planned:

- Randomization and Measures of Consistency (M. J. Donoghue)
- Phylogenetics and Heterochrony (R. J. Mool)
- Phylogenetics and Evolution (D. R. Brooks)
- Biogeographic Consequences of an Expanding Earth (H. Owen)
- The Impact of Species Concepts and Hybrids on Phylogenetics (J. Lynch)
- The Use of Cladistics in the Reconstruction of Past Diversities (J. Gauthier)

As usual, contributed papers and posters are welcome. Further symposia can also be proposed, although this will mean doubling up of some sessions. Housing (with breakfast) in student residences will be available (approx. Cdn\$45 single, \$70 double). Registration fee Cdn\$70 (Cdn\$35 for students), banquet Cdn\$30.

Registration and housing forms may be obtained from R. Winterbottom, Dept. of Ichthyology and Herpetology, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario, Canada M5S 2C6

Ethnobotanica

Sept. 20-26, 1992, Cordoba (Spain)

This conference, to be held at the Cordoba Botanic Garden, is being held in collaboration with a number of organizations, including the International Association of Botanic Gardens, the World Wildlife Fund, the Food and Agricultural Organization, the International Union for the Conservation of Nature and the Asociación Latinoamericana de Botánica.

The following symposia are planned: Ethnohistory, anthropology and sociology; Ethnobotany; Biodiversity of cultivated and promisory species from America and Europe; Exchange and conservation of plant genetic resources between America and Europe; American flora in the evolution of toxicology and pharmacology; Management of natural and agricultural ecosystems; and Exchange of weedy species between Europe and America.

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In addition, many pre- and post-conference field trips are planned. For more information, write: Ethnobotanica-92, Jardín Botánico de Córdoba, Apartado 3.029 - 14080 Córdoba (España)

Society for Ecological Restoration Third Annual Conference

Orlando, Florida, May 19-23, 1991.

The symposia planned are: Restoration on surface-mined lands; Restoration in the third world tropics; and The role of restoration in national forests. In addition to pre-conference visits to Everglades National Park and the Kissimmee River and post-conference trips to a variety of restoration sites, there will be plenty of space for exhibits, special programs including "Volunteerism in Restoration" and a discussion of the limits of restoration and its relationship to other forms of land stewardship.

For more information, contact: Lynn Alford Schmidt, Society for Ecological Restoration, 1207 Seminole Highway, Madison, WI 53711, U.S.A. telephone (608) 262-9547.



Letter to Editor

I was pleased to see that the Canadian Museum of Nature's publication "Biome" was seen by one of our members. This is the museum's information newsletter which is published three times a year. It contains articles by staff on natural history and on activities at this national institution. It has a circulation of about 6000, and is also available to museum visitors. If you would like to be placed on the mailing list for this free publication, send a note to the following address:

Biome
Information and Resource Centre
Canadian Museum of Nature
P.O. Box 3443, Station D
Ottawa, Ont. K1P 6P4

As an aside, the Canadian Museum of Nature (formerly the National Museum of Natural Sciences) officially became an independent crown corporation in July 1990. We now have our own board of trustees, greater power invested in the directorate, and can keep any funds that are raised for museum activities. We are also un-

dergoing reclassification because we are now subject to the Canada Labour Code and are no longer controlled by the Public Service Employment Act or the Public Service Staff Relations Act. We are now under the Canada Labour Code with the museum being our employer, rather than the Treasury Board.

-Erich Haber, Archivist

Ed. Note. Vol 10:2 of Biome contains an article by Ernie Brodo entitled "A Rose by any other Name", in which he discusses the importance and some of the applications of systematics.



McGill News

Degrees granted to graduate students in plant science in the Biology department at McGill (June 1, '89-May 31, '90). A total of 23 students graduated (17 M.Sc. and 6 Ph.D) in Biology, six of them (listed below) in plant science related fields.

June '89 convocation

JONATHAN BRASSARD (M.Sc.). Supervisor: Dr. D. Schoen

Thesis: Phenotypic selection in *Impatiens pallida* and *Impatiens capensis*.

PATRICK FINNEGAN (Ph.D.). Supervisor: Dr. G. Brown

Thesis: RNA synthesis in maize mitochondria: the identification of autonomously replicating RNA species and a kinetic analysis of transcript accumulation.

November '89 convocation

MARTIN AHRENS (Ph.D.). Supervisor: Dr. R. Peters

Thesis: The size distribution of the limnoplankton.

CHARLES BOONE (Ph.D.). Supervisor: Dr. H. Bussey

Thesis: Characterization of the KRE1 gene of *Saccharomyces cerevisiae* and its role in (1-6)-beta-D-glucan production.

Note: The genetic analysis of beta-glucans in yeast conducted in Dr. Bussey's lab is the first such analysis of these polymers in any eukaryotic system. Dr. Boone obtained an NSERC postdoctoral fellowship.

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February '90 convocation

NORMAND BEAULIEU (M.Sc.). Supervisor: Dr. H. Tyson

Thesis: Molecular cloning and characterization of a putative cDNA from flax (*Linum usitatissimum* L.)

KALPESH OZA (M.Sc.). Supervisor: Dr. E. Kafer

Thesis: Cloning by transformation of uvsF, a DNA repair gene from *Aspergillus nidulans*.

Botanical Visitor

Dr. Bernard Jeune of Pierre and Marie Curie University in Paris was a visiting scientist in Dr. Rolf Sattler's lab at McGill from February to July '90. He and Dr. Sattler were quantifying some of the theoretical plant morphology concepts developed by Sattler. During this time he attended the 24th Plant Development Workshop at the R.O.M in Toronto and the annual meeting of the CBA/ABC in Windsor.

Graduate students and post-doctoral fellows Opportunities

Dr. Martin Lechowicz, Biology Department, McGill University is interested in receiving inquiries from potential graduate students and postdoctoral fellows to work on several possible projects in one of two broad related categories: (1) Evolutionary ecology of deciduous hardwood trees, and (2) Evolutionary ecology of herbaceous annuals and perennials.

Some of the projects in his lab are:

- Variation in design within the genus *Acer*
Tom Lei (Ph.D. student).
- Water relations of northern hardwoods.
Nadine Ives (Ph.D. student)
- Gypsy moth dispersal and foliar phenology.
Alison Hunter (Ph.D. student)
- Allocation under stress regimes in *Acer* and *Picea*-This is a newly funded NSERC strategic grant to Martin Lechowicz, Willy Hendershot (soil chemist), and Bill Shipley (associate).
There is the possibility for a student to work on a related project.
- Resource allocation in *Trillium grandiflorum*
Anne Lubbers (now professor)
- Genetic and functional basis of variation in the reproductive success of *Xanthium strumarium*
Mike Farris (NATO postdoc). There is the possibility for a student or postdoc to continue this work.
- Evolutionary ecology of *Impatiens*. Collabora-

tive research between Drs. Graham Bell, Dan Schoen, Louis Lefebvre and Martin Lechowicz. This work, dealing mostly with the genetic and environmental basis of phenotypic variation in *Impatiens pallida* could be extended if a student were interested.

-Interactions between the rust *Uromyces triphyllii* and its host, *Artsaema triphyllum*. Collaborative research between Drs. Graham Bell, Dan Schoen, and Martin Lechowicz. There is the possibility for a Ph.D. student or postdoctoral fellow to devote full time to this project.

-Integration of the phenotype in herbaceous annuals- This project of Dr. Lechowicz's requires a Ph.D. student or postdoctoral fellow.

Research facilities at McGill

The Biology department Phytotron

-The McGill phytotron opened in March 1988. This facility combines three basic types of growing environments: (1) tissue culture lab., (2) controlled environment chambers, and (3) computer-controlled glasshouse compartments. The Phytotron was built to meet the needs of researchers at the University and also to permit them to initiate collaborative research with colleagues external to McGill. The Biology department invites inquiries about the use of the Phytotron and will attempt to put prospective visitors in touch with appropriate local users. A detailed and informative article on the McGill Phytotron was recently published in "Evolutionary Trends in Plants" vol. 4 (1) 1990 in the news & views section of the journal. The article entitled: "The McGill University Phytotron: A Centre for Research in Plant Biology" was written by M. J. Lechowicz and M. Romer.

Le Phytotron du département de biologie à McGill

-Le phytotron de McGill a fait son ouverture en mars 1988. Cette installation regroupe trois types d'environnements servant à la croissance des plantes: (1) laboratoire de culture de tissus, (2) cabines à environnement contrôlé, et (3) serres compartimentées contrôlées par ordinateur. Le phytotron a été construit pour satisfaire aux besoins des chercheurs à l'université et également pour leur permettre d'initier des projets de collaboration en recherche avec des collègues externes à McGill. Le département de biologie encourage tous ceux qui envisagent la possibilité d'utiliser le phytotron de faire parvenir leur demande. Les visiteurs intéressés seront mis en contact avec les usagers locaux ap-

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propriétés. Un article détaillé et informatif sur le phytotron a récemment été publié dans la revue "Evolutionary Trends in Plants" vol. 4 (1) 1990, section news & views. L'article intitulé: "The McGill University Phytotron: A Centre for Research in Plant Biology" a été rédigé par M. J. Lechowicz et M. Romer.

-Christian R. Lacroix, Dept. of Biology, U.P.E.I.



New Books

Fescue Grasses of Canada -- Agriculture Canada. 1990. Paperbound, with 28 illustrations. CGPC Code: 019801, ISBN 0-660-13483-7. Price: \$22.95 (Canada), US\$27.55 (Outside Canada)

This scientific reference publication provides an identification guide to one of the most difficult Canadian plants to classify taxonomically.

Fescues are used for pasture lands in the east and for grazing lands in the west. They are also used for lawns and erosion control. Many cultivars are sold commercially and others provide forage for wild animals.

This well-illustrated publication brings together the results of recent biosystematic research on the fescue grasses of Canada and presents different points of view concerning taxonomy. Accurate means for identification include: character evaluation; literature surveys; a dichotomous key; species descriptions; full-page illustrations of all species; species ranges and maps showing distributions in Canada. At present the book is available only in English. To order a copy, place your order with the Canadian Government Publishing Centre, Ottawa, K1A 0S9. Refer to the book by its CGPC Code.

Poisonous Plants of Canada. Prepared by G. A. Mulligan and D. B. Munro for Agriculture Canada. 1990. 96 pp., \$8.95 in Canada, US\$10.75 outside Canada. CGPC Code: 019901, ISBN: 0-660-13467-5.

This handbook provides an up-to-date, annotated bibliography of wild, cultivated, and indoor plants in Canada that have been reported to be poisonous. It includes: an alphabetical listing of plants by botanical family name; botanical and common names of plants in English and French; distribution; toxicity to humans and animals; literature references for documented cases of poisonings in Canada; and indexes to common and botanical names. Again, to order a copy, write the Canadian gov-

ernment Publishing Centre, Ottawa, K1A 0S9, and refer to the book by its CGPC Code.

Les Presses polytechniques et universitaires romandes ont le plaisir de vous annoncer la parution de plusieurs ouvrages dans différentes collections.

Il s'agit premièrement, dans la collection "Gérer l'environnement" de:

Sylviculture I Principes d'éducation des forêts. Jean Phillippe Schütz

252 pages, broché, prix de vente public \$can. 49.-

Comment gérer la forêt, tout en préservant sa naturalité, pour qu'elle joue au mieux ses rôles multiples? C'est le but de la sylviculture en finesse présentée dans cet ouvrage qui s'adresse non seulement aux étudiants mais encore aux nombreuses personnes concernées par cette discipline.

Puis dans la "Collection META", les Ouvrages:

Evaluer l'impact sur l'environnement. Une approche originale par analyse multicritère et la négociation. Jean Simos. 276 pages, broché, prix de vent public \$can 52.-

L'objectif de cet ouvrage est de s'attaquer aux difficultés inhérentes à la prise de décision en matière de gestion de l'environnement en fournissant une approche adéquate des évaluations environnementales.

Analyse d'images par spectre local de phase. André Nicoulin. 116 pages, broché, prix de vente public \$can 53.-.

Cet ouvrage passe en revue différentes méthodes pour s'affranchir du problème du déballage de phase.

Et enfin dans la collection "Réflexions sur les sciences et les techniques":

Les limites du certain. Orion Giarini, Walter R. Stahel. 204 pages, broché, prix de vent public \$can 59.-. Cet ouvrage est non seulement d'un grand intérêt pour les économistes et les sociologues, même si sa lecture doit sans doute en déranger plus d'un, mais aussi pour un public averti, soucieux de l'avenir de la société.

Le diffuseur canadien est: DPLU, Bureau 110, 4823 Sherbrooke ouest, Westmount, Que. H3Z 1G7.

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Les plantes à graines. P. et M.-J Demalsy-Feller. 1990. 344 pages, 435 figures. ISBN 2-98137-109-7. \$34.50 l'exemplaire plus \$2 par commande pour couvrir les frais d'envoi. Décarie Éditeur, 233, avenue Dunbar, Ville mont-Royal, Québec H3P 2H4.

Ce volume s'adresse principalement aux étudiants et aux étudiantes qui entreprennent un programme de premier cycle universitaire comportant l'étude des plantes à graines. Il contient de vastes notions de base sur la morphologie externe, les structures internes, la biologie de la reproduction et les mécanismes de la croissance de ces végétaux.

Ce livre de 344 pages abondamment illustrées ne demande aucune connaissance préalable en biologie végétale et permet de prendre aisément contact avec cette matière grâce à de nombreux exemples généralement choisis parmi des plantes familières.

La plupart des chapitres sont accompagnés d'un guide d'étude qui offre la possibilité d'établir un glossaire et d'effectuer une évaluation individuelle de l'acquisition des connaissances. Un index très détaillé des termes botaniques et un index des plantes citées facilitent le repérage rapide et précis du sujet recherché.



Alberta News

The University of Alberta's Kurimoto Japanese Garden

The opening ceremony of the University of Alberta's Kurimoto Japanese Garden was held on Friday, September 7, 1990. Located within the grounds of the University of Alberta Devonian Botanic Garden on the outskirts of Edmonton, this 2.8 million dollar Japanese Garden has been constructed to harmonize with the native vegetation and natural sandhills topography of its location. The garden was designed by the late Dr. Tadashi Kubo, a distinguished professor of Landscape Architecture at the University of Osaka Prefecture, and represents a miniature landscape that includes a waterfall with a system of streams and ponds that unite three different landscape concepts including sunny open grassy knolls, the natural scenery of rocky outcrops, slopes and streams and meandering pathways which pass over bridges, by lanterns and by three wooden shelters. Native or hardy cultivated species have been used for plant ma-

terial throughout the garden.

The garden has been named in honour of the late Dr. Y. Kurimoto LL.D. (University of Alberta, 1964), the first Japanese national to graduate from the University of Alberta (Class of '30), and who later became the President of Nagoya Shoka Daigaku, a private university of commerce and business. Throughout his career, he (and his wife Shizu Kurimoto) did much on behalf of international education and friendship. The Kurimoto family also provided much advice, assistance and many generous gifts for the new Japanese Garden.

The garden provides a tranquil and contemplative place for the appreciation of the Alberta landscape from an eastern perspective and is a significant addition to the educational resources of the University.

- Randy Currah, Department of Botany, University of Alberta, Edmonton.

Ontario News

Dr. László Orlóci Honoured

The July 5 issue of the Western News notes that Dr. László Orlóci, Department of Plant Sciences, University of Western Ontario, has been elected to the Magyar Tudományos Akadémia (Hungarian Academy of Sciences) for his internationally-recognized work on the conceptual tools of population and community biology.

Membership in the Academy is accorded to those scientists of top rank. Besides combining the roles of our Royal Society of Canada and NSERC, the Academy must play a leadership role in national renewal after the collapse of communist rule in Hungary, especially in re-establishing and protecting the freedom of scientific inquiry.

Besides his many commitments at Western, Dr. Orlóci is co-director of the International School for Vegetation Science, chair of a UNIDO/ICE working group, and holds visiting professorships at New Mexico State University in Las Cruces and the University of Hawaii at Manoa.

- Dr. Tim Dickinson, Department of Botany, Royal Ontario Museum, Toronto



News of Members

Taylor A. Steeves of the University of Saskatchewan was the recipient of the University's Master Teacher Award. This is a highly prestigious award that is presented annually to a faculty member who is an outstanding teacher and a scholar, and contributed significantly to the pedagogical life of the University. The award was presented to Taylor at the Fall 1990 Convocation.

David D. Cass of the University of Alberta won the A. C. Rutherford Teaching Award. This award, which is for excellence in teaching mainly, was presented to David in June 1990. David was one of four recipients of this award.

-The above information was provided by V. K. Sawhney, Univ. of Saskatchewan.

Call for Nomination of Editors and Directors for CBA/ABC

A call for nomination for the following members of the Board of Directors is made:

Editor and Associate Editor (ex officio) 1992-1995.

3 Directors 1991-1993.

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, 1990 to the Secretary of the Association:

Mrs. Sylvia Taylor
Botanical Gardens, UBC
6804 SW Marine Drive
Vancouver, BC

Propositions de candidats pour les postes de directeurs

éditeur et assoc éditeur (1992-1995)
3 directeurs. La durée du term, de 1990 à 1992.

Un des directeurs doit habiter à l'est de la fron-

tière 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 reçue avant le 31 décembre 1990, par la secrétaire de l'association:

Mrs. Sylvia Taylor
Botanical Garden, UBC
6804 SW Marine Drive
Vancouver, BC.

Call for Nominations - Awards 1991

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 nomi-

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nation 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 requested 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, 1990, 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



Porsild Award

The CBA/ABC is now accepting contributions to the Alf Erling Porsild Award for the best paper in systematics and/or phytogeography of plants and/or fungi published by a student (as senior author) during the previous year.

This award will contribute to the recognition of excellence in the fields of systematics and phytogeography, and will assist promising students. It will also contribute to the profile of the CBA/ABC. We greatly appreciate the help of Canadian botanists in establishing this award. Contributions should be sent to the Treasurer:

Dr. Timothy Dickinson
Botany Department
Royal Ontario Museum
100 Queen's Park Circle
Toronto, Ontario M5S 2C6

Alf Erling Porsild Memorial Prize

Terms and Conditions

1. Establishment

A special fund of the Canadian Botanical Association/L'Association Botanique du Canada, being a corporation without share capital incorporated under Part II of the Canada Corporations Act, is hereby established. This fund shall be known as the Alf Erling Porsild Memorial Fund in recognition of Porsild's contributions to Systematics and Phytogeography in Canada.

Alf Erling Porsild Ph.D., M.B.E., F.R.S.C. (1901-1977)

The new award is dedicated in memory of Alf Erling Porsild Ph.D., M.B.E., F.R.S.C. for his many scientific contributions, especially his pioneering works dealing with the Canadian North.

Erling was born in Copenhagen, Denmark on 17 January 1901. His botanical career began in Disko, Greenland, at the Danish Biological Station founded by his father, M. P. Porsild. There he served as assistant botanist between 1922-1925. In 1926 he was hired by the Canadian government to investigate the potential for reindeer grazing in the Mackenzie Delta. This led to the establishment of the Reindeer Experiment Station and the importation of over 2000 animals from Alaska. During a ten-year period of field work and investigations of grazing potential in the North, Erling made numerous collections of plants and animals that were incorporated into the National Museum of Canada. Based on these collections and his observations, he published a series of papers dealing with such diverse subjects as native people, plants, animals, and physiographic features.

In 1936 he was appointed Acting Chief Botanist of the National Museum of Canada. After serving as Canadian Vice-Consul and Consul to Greenland during the war years, he returned to the Museum, becoming Chief Botanist of the National Herbarium in 1946. He continued his botanical work, focusing primarily on northern Canada, until his retirement in 1967. He died during a visit to Vienna, Austria, on 13 November 1977.

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A detailed account including a full bibliographic citation is given by:

J.H. Soper and W.J. Cody. 1978. Alf Erling Porsild, M.B.E., F.R.S.C. (1901-1977). *The Canadian Field-Naturalist* 92:299-304.

2. Purpose and Endowment

The purpose of the Alf Erling Porsild fund shall be to provide funds for a prize to be awarded annually, when suitable candidates are available, in recognition of the best paper published in the field of systematics and/or phytogeography of plants and/or fungi in a refereed scientific journal by a graduate student.

The amount received through fund-raising shall form the initial capital of the fund, to which may be added other contributions received for the purpose. The capital of the fund shall not be spent but shall remain invested to provide income for the annual awards. Any income received during a financial year, which has not been expended prior to the end of the fiscal year or committed to the purpose of the fund shall be added to the capital.

The income shall be used to award a cash prize and to prepare a certificate for presentation to the successful candidate(s).

3. Eligibility

A graduate student of any nationality who is a member of CBA/ABC, or whose supervisor is a member of CBA/ABC, and who is enrolled at a Canadian university or a Canadian graduate enrolled at a foreign university, is eligible for the prize. The candidate must be sole author or senior author and the paper must be published in a refereed scientific journal. The work must be published while the candidate is a student or within two years of graduating when based on work done while a student and must satisfy the purpose of the endowment (see 2 above).

4. Action

The fund will be established through contributions solicited by the Systematics and Phytogeography Section with the possibility of some additional support from the Association. It will be presented when and as often as the fund is adequate (and when appropriate), as determined by the Board of Directors, and according to the recommendations of the Porsild Award Committee.

The Porsild Award Committee will be appointed by the Chairman of the Systematics and Phytogeography Section, and will include the S. & P. Chairman and the President (ex officio). The Committee will be approved by the President. The Committee will search the refereed scientific literature for the year in question to determine whether suitable work exists for award presentation. Applications for the award will also be solicited in the CBA/ABC Bulletin. The committee will determine whether authors and their work meet the conditions of the award. Applications and results of the literature review will be considered and one or no successful candidates will be selected each year.

The Porsild Award Committee will submit the name of the winner of the award to the President of CBA/ABC by 1 May of the year it is to be given. This is one month before the normal date of the CBA/ABC Annual Meeting, and allows time for the Board of Directors to be notified (as per By-laws) and (after the Executive has been told) for the winner to be told by the Chairman of the Systematics and Phytogeography Section. This allows time for the winner to arrange to be present or to arrange to be represented at the banquet.

5. Accounting and Maintenance

The Treasure of the Association shall maintain the fund and keep records of all capital contributions, income earned and expended.

6. Amendment and Termination

The name of the fund shall not be changed. Any other substantial amendment shall be made only after approval in a mail ballot of the membership of the Association. Upon dissolution of CBA/ABC the fund shall be transferred according to the By-laws of the Association.

The Systematics and Phytogeography Section has established a fund-raising committee. For information contact Randy Bayer.

- P. M. Catling, Past Chairman, Systematics and Phytogeography Section



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THE LAST WORD: (Jean M. Gerrath)

This issue of the Bulletin was a difficult one to produce, partly because of the importance of the issues being discussed. We hope that the articles by Paul, Tim and Taylor will serve as starting points for discussion with colleagues on the impact that membership in CFBS will have on CBA/ABC. I urge you to vote for the increase in fees when the Ballot arrives, because it provides the best opportunity for a stronger voice for our profession in Canada.

NOTE: The deadline for the January issue is December 31.

The Bulletin of the Canadian Botanical Association:

EDITOR: DR. U. POSLUSZNY
DEPARTMENT OF BOTANY
UNIVERSITY OF GUELPH
GUELPH, ONT. N1G 2W1
(519) 824-4120 EXT. 2745
NETNORTH BOTUSH@VM.UOGUELPH.CA
FAX (519) 767-1656

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