

THE CANADIAN BOTANICAL ASSOCIATION

BULLETIN

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NEW PATRON FOR CBA/ABC

The President of CBA/ABC is delighted to announce that Her Excellency The Right Honourable Jeanne Sauvé, Governor-General of Canada, has graciously agreed to bestow her patronage on the Association.

CBA/ABC ANNUAL MEETING 1984 — IMPRESSIONS

The Annual Meeting, held in Fredericton, New Brunswick, was very well attended and extremely well-organized, starting with the large welcoming sign at the airport. We experienced the well-known friendliness of the Maritime Provinces.

The Sessions were of interest and generally well-controlled, although there were occasional complaints of chairmen not exerting sufficient authority in making speakers keep to the time constraints. As with most meetings, I found that extra-session conversations were of more importance to me than the actual papers.

The 4th Luella K. Weresub Memorial Lecture given by Ken Harrison on the evening of June 25 was extremely well-attended, and was very interesting and entertaining. I noticed at least two children in the audience who were as enthralled as the rest of us. It was pleasing to see that members of the public also attended this talk.

The Banquet was notable for several things — the table of Presidents (President of UNB and the outgoing President and incoming President and President-Elect of CBA/ABC); the lobster dinner (what a treat for those of us who normally see

only lobster tails!); the after-dinner speech by the President of UNB who received a standing ovation after his hilarious description of his reasons for believing that he had all the correct qualifications for elevation to political office (party of no consequence); and the innovation by George Barker of transferring the CBA/ABC Seal, used on all official correspondence, to Gerry Mulligan in front of the assembled members. The cushion used was one that the UNB President has used for many years to pay one penny yearly to his Province for the right to operate a ferry across the St. John's River. The only disappointing part of the evening was the inability of the Award winners to be present to receive them in person. Both had previous engagements — one was celebrating a very significant wedding anniversary.

The Tuesday afternoon field trips were notable for another reason — the torrential downpour! Intrepid botanists enjoyed them all, and dried off later.

All in all, a very successful meeting, and congratulations are due to Dr. Ron Taylor and his organizing committee for all the hard work they put in to ensure that we enjoyed our visit to New Brunswick. See you all in London, Ont., next year at the 1st Canadian Congress of Biology!

CBA/ABC AWARDS 1984

GEORGE LAWSON AWARD

The George Lawson Award of the CBA/ABC was presented to Dr. E.C. Pielou (University of Lethbridge) at the Annual Banquet, June 27, 1984. The Award was made by Dr. W. George Barker, President of CBA/ABC, and was received by Dr. Hugh M. Dale (University of Guelph) on behalf of Dr. Pielou who was unable to be present. The Award was given for Dr. Pielou's series of books:- Introduction to Mathematical Ecology (1969), Population and Community Ecology (1974), Ecological Diversity (1975), and Mathematical Ecology (1977). A fifth book, The Interpretation of Ecological Data, is due for release in September 1984. The citation presented with the Award is reprinted below.

E. C. PIELOU

The Lawson Medal is awarded by the Canadian Botanical Association/L'Association Botanique du Canada on two grounds; cumulative distinguished contributions of a senior scientist; a single contribution to botanical knowledge of outstanding distinction. This year's recipient is qualified under either category. However, the nomination was submitted on the basis of the single achievement embodied by her books. Dr. Pielou's work is one of brilliant original scholarship unequalled in its impact on the entire field of ecology. She has shown immense understanding of this convoluted, diffuse, and difficult discipline. Every serious worker in plant ecology has been influenced by her writings.

MARY E. ELLIOTT SERVICE AWARD

The Mary E. Elliott Service Award of the CBA/ABC was presented to Dr. Jennifer M. Shay (University of Manitoba) at the Annual Banquet, June 27, 1984. The Award was made by Dr. W. George Barker, President of CBA/ABC, and was received by Dr. Iain E.P. Taylor, Secretary of CBA/ABC, on behalf of Dr. Shay who was unable to be present. The citation presented with the Award is reprinted below.

JENNIFER M. WALKER-SHAY

Jennifer Shay is recognized for her contributions to the Canadian Botanical Association/L'Association Botanique du Canada and for her more generalized impact on Canadian biology. The success of every recent Annual Meeting bears her organizational stamp. The fact of our organization's inclusion under Canada's Incorporation Act and the present pattern of executive activity are also part of her developmental creativity. No executive member has done more. Beyond this she is widely recognized as an authority on wetland ecology and as a strong spokeswoman for Canadian biological field stations.

She has served us well.

LIONEL CINQ-MARS AWARD

A record 28 papers were presented in the competition for the Lionel Cinq-Mars Award for the best student paper presented at the Fredericton meetings. The panel of judges, representing all six sections of CBA/ABC found the papers to be of generally high standard and finally selected the paper presented by Richard G. St. Pierre (University of Saskatchewan) as the best presentation. The title of the paper was Immature fruit loss in *Amelanchier alnifolia* Nutt.: Is sink competition a factor? (St. Pierre, Steeves and Lehmkuhl). In addition, the judges highly commended A.B. Hilger (University of New Brunswick for her paper Uptake of phosphorus from inositol hexaphosphate by mycorrhizal and non-mycorrhizal jackpine (Hilger and Krause).

The award, a cheque for \$200 and honorary membership in CBA/ABC for 1 year, was presented to Mr. St. Pierre at the Annual Banquet, June 27, 1984.

LUELLA K. WERESUB MEMORIAL AWARD

The first recipient of the Luella K. Weresub Memorial Award for the best mycological paper published by a student was Mr. Keith Seifert, now studying at the Centraalbureau voor Schimmelcultures in the Netherlands.

BCC GOLD MEDAL 1984

The BCC Gold Medal for 1984 was presented to Dr. R.H. Haynes (Professor of Biology, York University). Dr. Haynes was nominated for the Medal, awarded for "outstanding contributions to the advancement of biology in Canada", by the Canadian Council of University Biology Chairmen. The citation reads, in part, as follows.

Dr. Haynes has played a leading role in research policy-making, professional societies and scientific publication. He has served on the editorial board of 11 international journals, he was for five years Vice-President of the Biological Council of Canada, and currently is President of the Genetics Society of Canada. Last December he led the Canadian delegation to the 15th International Congress of Genetics in New Delhi.

Board of Directors

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I.E.P. Taylor
Alternates I. Brodo

I.U.B.S. John McNeill

CALL FOR NOMINATIONS — AWARDS 1985

Each year the CBA/ABC invites its entire membership to make nominations for the George Lawson Medals and for the Mary E. Elliott Service Award. The Awards Committee is now also responsible for forwarding nominations for two awards by other organizations. These other nominations have to be forwarded during late Fall, however, and the call for nominations from the membership was therefore published in the July issue of the *Bulletin*. Please refer to that issue for the terms of reference for the BCC Gold Medal and the John and Alice Tyler Ecology/Energy Prize.

George Lawson Medal

The purpose of the award is to provide a collective and formal expression of the admiration and respect of botanists in Canada for the excellence of the contribution of 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 the Canadian Botanical Association*. 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 the Awards are kept on file for 3 years after submission, but nominators are requested to provide updated information for the second and third years. Will nominators of candidates for these Awards during the last two

years (i.e., 1983 and 1984) please submit a curriculum vitae for their candidate if not included originally and also update the information as necessary.

Nominations for any of the above Awards (including the B.C.C. Gold Medal and the Tyler Prize) should be submitted to the Chairman of the CBA/ABC Awards Committee before December 31, 1984, (October 31, 1984, for the outside awards) with all necessary documentation:-

Mr. Gerald A. Mulligan
Biosystematics Research Institute
Central Experimental Farm
Ottawa, Ont K1A 0C6

CALL FOR NOMINATIONS OF OFFICERS AND DIRECTORS FOR CBA/ABC 1985-1986

At the Annual Meeting at the University of New Brunswick a call for nomination for the following members of the Board of Directors was made:

1. President-Elect (1985-1986)
2. Treasurer (1985-1987)
3. 3 Directors (1985-1987)

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.

Les membres sont invitées retourner chaque mise en nomination au secrétaire pour le 31 décembre de cette année. Toute nomination doit être accompagnée du consentement écrit de la personne nommée, laquelle doit être membre régulier en règle. Chaque mise en nomination doit porter la signature d'au moins trois membres en règle.

All nominations must be delivered in writing no later than December 31, 1984, to the Secretary of the Association:

Dr. Paul G. Harrison
Department of Botany
University of British Columbia
Vancouver, B.C. V6T 2B1

On behalf of the Nominating Committee.

W. George Barker, Chairman

MEMBERSHIP RENEWAL

Membership renewal forms will be sent out to all members in November. The By-laws state that dues for the calendar year are due on or before January 1 each year.

The Treasurer has requested that all members renew as soon as possible, particularly when wishing to subscribe to one of the NRC journals.

If you have not received a renewal form by the beginning of January 1985, please notify the Treasurer immediately: Prof. Keith Winterhalter, Dept. of Biology, Laurentian Univ., Sudbury, Ont P3E 2C6

CBA/ABC BOARD MEETING NOTES

The Board of Directors held two meetings at Fredericton during the Association's Annual Meeting. Following are extracts from the Minutes of these meetings.

A. Outgoing Board of Directors Meeting, June 24 (W.G. Barker presiding).

The President reported that the Botanical Society of America is interested in meeting with CBA/ABC in 1989 at the University of Toronto. The BCC has asked for a loan, with interest to be paid at the prevailing rate, to help cover expenses prior to the Canadian Congress of Biology in London. A recommendation to lend \$2500 to BCC was referred to the Annual General Meeting on June 27 for consideration by the membership. (This amount was approved by the AGM after some discussion). The search for a new *Bulletin* Editor should be completed by June 1985 and was referred to the incoming Board for action.

The Secretary reported that the November conference telephone call still costs less than one round-trip airfare from Vancouver - Toronto, and recommended that the practice be continued. Moved/seconded/approved that CBA/ABC publish a biennial address register, and that it be a joint CBA/CSPP publication.

The Treasurer reported that transfer was completed in September 1983, and that several small investments are maturing. He recommended that higher rates of interest be sought for some of our capital. The Treasurer then proffered his resignation from the position. M/S/A that Keith Winterhalder be nominated to the AGM to serve the unexpired part of the term.

The Vice-President reported that 130+ registrants were expected at the meetings, and gratefully acknowledged the extensive support of UNB staff, particularly that of the organizing committee and office staff. A NSERC grant had been received.

The Editor of the *Bulletin* reported that costs are still rising, although more slowly (up 4.26%). The *Bulletin* cost \$3,683 to produce (July 1983 - April 1984), or approximately \$9.00 per member. The bulk postage system saved \$458.77 over the period, or 35.96% of the total mailing costs. M/S/A that the President should contribute a short article to the January issue each year. M/S/A that short profiles of each candidate for election be circulated with the Election Ballots.

The Archivist reported that the bulk of the Archives are now in the Public Archives of Canada. Dr. Paul Gorham has made a substantial contribution of material.

It was M/S/A by the Awards Committee that all nominations for awards must be accompanied by a curriculum vitae and updates must be sought from the nominator in the second and third years. Nominations for the BCC Gold Medal and the Tyler Prize must be received in the Fall to meet outside deadlines.

The Chairman of the Conservation Committee reported that they had dealt with 16 items, mostly from Ontario. She urged all members to be alert to issues throughout the country. The Committee has made a submission for funding from the Ontario Heritage Foundation to allow primary data collection from natural areas.

In Other Business, a request was made for a study to see if some travel support could be provided for students to attend the Annual Meeting. The Secretary was asked to report to the next meeting of the Directors.

B. Incoming Board of Directors Meeting, June 27 (G.A. Mulligan presiding)

The President will write to the Botanical Society of America confirming the invitation to meet with CBA/ABC in 1989 at the University of Toronto.

The President-Elect will explore the possibilities of obtaining corporate sponsorship of graduate students for research and for travel to the Annual Meeting. It will be important to avoid any possible conflict of interest. He will investigate a request from the Conservation Committee that a brochure be prepared in which the interest of CBA/ABC in the Committee be clearly stated.

Dr. R.I. Greyson (University of Western Ontario), CBA/ABC's representative on the Organizing Committee for the Canadian Congress of Biology, was appointed Vice-President, 1984-85.

M/S/A that all papers in the Lionel Cinq-Mars competition be presented orally, and that instructions to that effect be included with the call for abstracts.

The loan to BCC of \$2500 at prevailing interest rates was approved according to the instructions received at the AGM.

The Treasurer will coordinate a membership drive. Directors are to be given copies of the application forms and any other written information on the Association to distribute to prospective members.

M/S/A that the CBA/ABC present a Plenary Lecture at the Annual Meeting, perhaps after the opening ceremonies, with the speaker preferably being a former winner of a CBA/ABC Award.

FUTURE MEETINGS OF CBA/ABC

- 1985 - London, Ont June 23-29
Canadian Congress of Biology
- 1986 - Sudbury, Ont June 22-26
- 1987 - Montreal, Que, June 14-18
- 1988 - Victoria, B.C., date not yet known
- 1989 - Toronto, Ont, date not yet known
- 1990 - 2nd Canadian Congress of Biology
Place and date not yet known

SECRETARY'S APPEAL

Iain Taylor, ex-Secretary of CBA/ABC made an appeal to members at the Annual General Meeting in Fredericton.

Production and engraving of the Lawson and Elliott Awards are done by Vancouver companies. We know of no other top-class manufacturers and engravers, although we do know that at least one top-class Canadian store sends its material from the East to one of the companies that we use. If any member knows of any other good companies would they please let Iain know in case use of the Vancouver-based ones becomes impractical.

KNOW YOUR OFFICERS

We thought that members may like to know a little more about the people elected to official positions in CBA/ABC, and what their positions entail. Hence, this new feature in the *Bulletin*, which, it is hoped, will become a regular part of the issue after the Annual Meeting. The name in parentheses is the one usually preferred by that person. The photographs of the Executive were taken by the *Bulletin* Editor at opportune moments in Fredericton.

PRESIDENT: Official representative of CBA/ABC; responsible for all official actions of the Association; chairs Awards Committee; represents CBA/ABC on BCC Executive.

GERALD A. (GERRY) MULLIGAN

Position: Director
Where: Biosystematics Research Institute, Central Experimental Farm, Ottawa
Research Interest(s): Cytotaxonomy and pollination biology of weeds and Cruciferae.

PAST-PRESIDENT: Chairs Nominating Committee for following year's slate of officers; provides advice and help to President as required.

W. GEORGE BARKER

Position: Professor
Where: Department of Botany, University of Guelph
Research Interest(s): Experimental morphology, including morphogenesis of *Impatiens* roots and potato tuberization.

PRESIDENT-ELECT: Chairs Lionel Cinq-Mars Committee; any other jobs as requested by President; represents CBA/ABC on BCC Council.

IAIN E.P. TAYLOR

Position: Associate Professor
Where: Department of Botany, University of British Columbia
Research Interest(s): Biochemistry and biophysics of cell wall extension; conifer tissue culture.

VICE-PRESIDENT: Chairman of Local Organizing Committee for next Annual Meeting, responsible for all matters pertaining to that meeting.

RICHARD I. (DICK) GREYSON

Position: Professor
Where: Department of Plant Sciences, University of Western Ontario
Research Interest(s): Experimental morphology of flowers; plant growth regulators; tissue and organ culture.

SECRETARY: Responsible for day-to-day running of CBA/ABC; takes minutes of all Executive meetings and of Annual General Meeting; maintains membership and address lists.

PAUL G. HARRISON

Position: Associate Professor
Where: Department of Botany, University of British Columbia
Research Interest(s): Ecology and physiology of estuarine plants - seagrasses and algae; functional ecology of detritus-based systems.

TREASURER: Responsible for all financial operations; co-ordinates membership drives.

E. KEITH WINTERHALDER

Position: Associate Professor & Chairman
Where: Department of Biology, Laurentian University
Research Interest(s): Plant ecology, especially

plant/soil relationships and specifically pollution and revegetation ecology.

DIRECTORS: Local area representatives. No specific duties but may be assigned jobs.

LUC BROUILLET (83-85)

Position: professeur-adjoint; conservateur, Herbar Marie-Victorin
Where: Institut botanique, Université de Montréal

Research Interest(s): Systematics and evolution in genera *Aster* and *Begonia*; phytogeography of North America; systematics of Angiosperms.

C.C. (C.C.) CHINNAPPA (84-86)

Position: Associate Professor & Curator of Herbarium
Where: Department of Biology, University of Lethbridge

Research Interest(s): Understanding evolutionary strategies and patterns of variation in vascular plants. Main interest in *Stellaria longipes* complex - 1) genetic regulation of phenotypic plasticity, 2) population differentiation.

KEITH E. DENFORD (83-85)

Position: Chairman
Where: Department of Botany, University of Alberta

Research Interest(s): Chemosystematics of North American vascular plants; effects of polyploidy and hybridization on flavonoid diversity, and effects of glaciation on biochemistry & physiology of endemic and disjunct species. Evolution and taxonomy of *Arnica*. Role of acylated flavonoids as plant protectors in Canola (*Brassica campestris*).

ERICH HABER (84-86)

Position: Assistant Curator of Vascular Plants
Where: Botany Division, National Museum of Natural Sciences, Ottawa
Research Interest(s): Systematics of *Pyrola*; floristics of Canada.

RICHARD HEBDA (83-85)

Position: Head, Environmental Section
Where: Archaeology Division, B.C. Provincial Museum, Victoria

Research Interest(s): Vegetation and vegetation listing of B.C.; origin and development of B.C. biogeoclimatic zones; pollen morphology (Apiaceae); relationship of environmental history to evolution of native culture; paleoethnobotany & ethnobotany in B.C.; quaternary paleoecology of coastal Veracruz, Mexico, Belize; paleoethnobotany & environmental history of eastern Crete; sea-level changes and curves for west Vancouver Island; environmental history of glacial refugia of coastal B.C.

ANTON A. (TONY) REZNICEK (84-86)

Position: Assistant Curator
Where: Herbarium, University of Michigan
Research Interest(s): Systematics of *Carex*. Migration and persistence of rare and relict species. Floristics and phytogeography of the Great Lakes area flora.



Gerry Mulligan (left) and George Barker (right) prepare to enjoy the lobster at the Annual Banquet in Fredericton.



Iain Taylor (far left) has a quiet chat with George Barker after receiving the Mary E. Elliott Service Award on behalf of Jennifer Shay.



Left: Keith Winterhalder enjoys a cup of coffee during a break.



Right: Dick Greyson in a thoughtful mood during a break in the sessions.

The official passing of the CBA/ABC Seal from President to President, epitomising the transfer of the office from George Barker to Gerry Mulligan.



BCC INFORMATION

The President of BCC, Dr. G. Robin South, gave a brief report to the Annual Meeting of CBA/ABC, and requested that the full text of his President's Report for 1983-1984 be printed in the CBA/ABC *Bulletin*.

BCC — PRESIDENT'S REPORT 1983-1984

This report covers the period from April 1983 to May 1984. During the past year the Council has been extremely active on a number of fronts, and I can report some encouraging if slow progress on various initiatives. The question of government hiring policies, which formed the basis of a BCC position paper (1) has continued to occupy the Council. Feedback on the report was generally positive, and I received a substantial number of requests for additional copies, principally from government scientists. It is interesting to note that many of the concerns that were expressed by the Biological Council on behalf of government scientists and about government science were echoed in the 1983 report by the Professional Institute of the Public Service of Canada (2). The PIPS report was also a prelude to the Task Force on Federal Policies and Programmes for Technology Development, which was established by the Honourable Donald J. Johnston in November 1983 to review the government's intramural science and technology activities. It will make recommendations on whether government research is relevant to industry's needs. As President of the Council I prepared a brief report to the Task Force which was presented during the early phase of their discussions. In addition, I participated in a hearing conducted by one of its members, Dr. Angus Bruneau, on the campus of my own university. I was able to convey the views of the Council as well as my own at this meeting, although there was inadequate opportunity for lengthy exchange. The Task Force was constrained by an extremely short time-frame, and there appears to have been little opportunity for the kind of extensive input that should have been solicited on such a major issue. It is perhaps symptomatic of the government's attitude to science and technology that the Task Force may turn out to have been little more than a political road show.

Further to the question of government hiring practices, it is noteworthy that the Public Service Commission of Canada has suggested that they might advertise scientific positions in Society newsletters. This process is being facilitated, and I am hopeful that the Public Service Commission will avail itself of this opportunity. This does not, however, constitute a change in government hiring policy, although it does indicate a willingness on the part of government to spread their net more widely in the search for government scientists.

The BCC was unable to make a formal submission to the MacDonald Commission. Among other things, we were caught unawares with respect to the time frame that was required for presentation of briefs, and it would have been impossible to have prepared an appropriately researched document. The BCC did, however, have opportunity for input into some of the issues relating to the Commission through its participation in the Ottawa Consortium, and specifically through the invitation by the President of CAUT to comment on the CAUT's draft and final brief. The CAUT brief was of course focussed on universities, and insofar as those issues relate to the mandate

of the BCC I felt reasonably comfortable with the points that were being made.

You will recall from my report last year that the BCC together with the CCUBC was actively pursuing what we perceived as problems in Agriculture Canada's manpower programme. While it is yet early to determine how successful we were in bringing about any changes in policy, it is plainly evident that Agriculture Canada is now advertising very widely for these positions, this I feel certain in response to the lobby which we and others have directed at them. As I indicated last year, our efforts were complemented by those of the Canadian Association of Graduate Schools.

During the past year we have continued to press NSERC for the establishment of an Advisory Committee on Biology. NSERC provided a revised document concerning this Committee, expanding the mandate and giving it the name Advisory Committee on Life Sciences. We provided further commentary to NSERC on the revised policy, which met with general BCC approval. NSERC has yet to move on the establishment of this Committee, although it is my understanding that this can be expected during the coming year. The growing pressure on science in Canada, and the need to meld the activities of universities, governments and industries in a wide variety of perceived national goals make it extremely important that this Committee be established as soon as possible. One question which relates specifically to the mandate of such a committee is that of forestry research in Canada. The 1983 Science Council of Canada's report on Canada's forests was an extremely well prepared and provocative document which resulted in some early changes in NSERC policy with respect to funding of forestry research, but which had many other far reaching suggestions which have yet to be implemented. In response to this initiative by Science Council the BCC at its Fall meeting in 1983 approved the establishment of an ad hoc Committee whose mandate would be to develop a BCC position paper on the question of forestry research in Canada. Dr. Taylor Steeves, of the University of Saskatchewan, agreed to serve as Chairman of this ad hoc Committee, and the membership was drawn from representatives of a number of BCC constituent societies. I am hopeful that a preliminary report of this Committee will be available in the near future, and that it will lead towards early publication of a position paper.

The question of developing a national policy on Canada's Field Stations has occupied a major proportion of my time during the past year. I am glad to report that, jointly with the Science Council of Canada, Dr Gary Bell was contracted to conduct the first stage of the procedure, that is the publication of a detailed inventory of Canada's Field Stations. This stage of the work was finished in the early Fall of 1983, and copies of the inventory are now available to universities and government scientists throughout the country. The survey was perceived as a first step towards development of the policy, and was a major collaborative effort for which many individuals and organizations must be thanked. In particular, we received cooperation from the Canadian Council of University Field Stations, who were invited and have agreed to serve as observers on the Biological Council for the next two years. At the Fall meeting in 1983 Council agreed to establish an ad hoc Committee whose task would be to review the field station inventory, and to draft the national policy on

field stations for consideration at the Spring 1984 meeting of Council. Chaired by Dr. Brock Fenton, Secretary of the Council, the other members were Dr. G.G.E. Scudder of the University of British Columbia and myself. The policy document has now passed through two draft stages and has received very wide input from the Canadian field stations user community. Following the Spring meeting of Council 1984 it is hoped that a further meeting will be held at which a final version of the policy will be put together for publication. In this final stage it is expected that participation from NSERC, the Science Council of Canada, the Canadian Council of University Field Stations and the BCC will be involved.

I can report no progress so far with the question of reviving the 1973 proposal on a National Botanical Garden System for Canada. It was my hope that in collaboration with Dr. Roy Taylor, Director of the Botanical Garden at UBC, and Mr Alan Patterson, Director of the Royal Botanical Gardens in Hamilton, a new version of the 1973 proposal could be drafted. Dr. McNeill and I did discuss the 1973 document with Agriculture Canada in Ottawa; our impression from these meetings was that while Agriculture Canada may be interested in the question of developing a National Botanical Garden in Ottawa, there seemed rather less interest in the question of a broader, national network of botanical gardens. I did receive a commitment from Dr. Taylor and Mr. Patterson to revive the 1973 document, and if and when such a revision is available I have assured them that the BCC will stand behind them in developing a lobby concerning the question of the National Botanical Garden System.

During the past few months activities have speeded up with respect to planning for the 1985 Canadian Congress of Biology. Following the Fall 1983 meeting of Council, Dr. Walden has convened two meetings of the Steering Committee of the Congress, and preliminary arrangements have been made to contract the organization of the Congress to a company in Toronto, Congress Canada. The 1985 Congress will certainly prove to be a major event, and I look forward to the BCC's role in this with considerable enthusiasm. It is particularly encouraging that not only are most of the constituent societies of the BCC participating, but in addition the Canadian Society of Microbiologists have a representative actively serving on the Steering Committee. I anticipate that the first circular of the Congress will be available early in the summer, and I urge as many members as possible of our constituent societies to attend this important first Canadian Congress of Biology.

The first BCC Gold Medal was awarded to Dr. Michael Shaw of the University of British Columbia, and I was pleased to have been able to personally present this to him at the summer 1983 meetings of the Canadian Phytopathological Society, who nominated him for the award. The second Gold Medal will be presented in 1984 to Dr. R.H. Haynes, York University, who was nominated by the Canadian Council of University Biology Chairmen.

I have made a significant effort during the past year to communicate more widely with our constituent societies. I am especially thankful to the editors of the various Society newsletters for making space available for publication of my annual report, and for correspondence relating to the role of the BCC. I am further grateful to members of the Executive and Council of the BCC

who have themselves written communications on issues being actively pursued by the BCC. A further attempt to communicate was in the form of a small bilingual brochure which by now many of you will have received through your Society. This brochure was drafted and approved at our Fall meeting before final printing and circulation. I must apologize, however, for the errors that crept into the final version.

The BCC continues to represent its constituents and members through participation in the Ottawa Consortium, which is proving to be a very active lobby in Ottawa. Further, as corporate members of the Association for the Advancement of Science in Canada, we are kept abreast of activities which relate to that organization.

During the coming year or so it is obvious that there will be major changes in government, and conceivably in government policy. It is a critical period therefore and one in which the BCC must continue to be active on many fronts. In particular, the Council will be developing a position paper with respect to NSERC's second five-year plan. We hope that we will see the establishment of the Advisory Committee in Life Sciences during the coming year, and that we will complete our drafting of a national policy on Canada's field stations. Further, I am hopeful that the position paper on the future of forestry research in Canada will be developed during the coming year. These activities, combined with the imminent change in government following the forthcoming election, will launch us into the twentieth year of the Biological Council of Canada, highlighted by the first Congress of Canadian Biology. I look forward to the coming year with considerable enthusiasm, and hope that as always you will join with me in the important task of bringing respectability and awareness of science to government, universities, industry and the general public. We are, as I stressed in my last report, a voluntary organization but I remain confident that the Executive and Council of the BCC will continue to do all in their power to strengthen the role of biology in Canada.

G. Robin South
President, BCC

- 1) A statement on Hiring Policy for Scientists in the Federal Government. BCC, April, 1983.
- 2) Discussion Paper. Public Service Intramural Research and Development: Problems and Remedies. Professional Institute of the Public Service of Canada, 1983.

EXECUTIVE MEMBERS, 1983-1984

President:	Dr. G.R. South (Memorial Univ)
Past-President:	Dr. K.G. Davey (York Univ.)
Vice-Presidents:	Dr. G.B. Wiggins (R.O.M.)
	Dr. J.R. Nursall (Univ. of Alberta)
Treasurer:	Dr. L. Lapierre (Univ. de Moncton)
Secretary:	Dr. M.B. Fenton (Carleton U.)
Members-at-large:	Dr. J. King (Univ. of Saskatchewan)
	Dr. D.M. Walden (Univ. of Western Ontario)

NOTE: It was announced at the CBA/ABC Annual Meeting that Dr. Robin South is stepping down as President of the BCC. We must congratulate Robin on the work he has done during the last few years.

TREASURER'S REPORT

1. Attached is the audited financial statement for the fiscal year 1 June 1983 to 31 May 1984.
2. There are 388 paid-up memberships, involving 1 Life Member, 284 Regular, 78 Student and 25 Retired Members.
3. There was no revenue from the 1983 Meeting, but there were expenses of \$733.95. The repayment of seed money for the 1984 Meeting will result in a slight increase in the balance over last year.
4. Anomalies in membership dues arise from payments in foreign funds.
5. Some 'dud' cheques cost the Association \$72.50 in extra charges. Please take care.
6. The Lawson and Elliot Awards are funded with the interest from the \$10,000 Certificate, due in August 1984.
7. The Weresub Fund is kept in a separate account, with accrued interest being used for the Mycology Prize.

CANADIAN BOTANICAL ASSOCIATION/L'ASSOCIATION BOTANIQUE DU CANADA

FINANCIAL STATEMENT FOR FISCAL YEAR 1983/84

<u>BALANCE OF FUNDS</u> — September 1983	\$16,316.25
<u>INCOME</u>	12,187.74
	\$28,503.99
<u>EXPENDITURES</u>	10,149.85
<u>BALANCE OF FUNDS</u>	\$18,354.14

INCOME BREAKDOWN

Membership Dues		
Regular	\$5,658.66	
Student	780.00	
Retired	249.92	
		\$ 6,688.58
BCC Dues		1,988.00
NRC Journals		3,070.50
Interest		27.74
Subscriptions, etc.		412.92
		\$12,187.74

EXPENDITURE BREAKDOWN

North Dakota Meeting Expenses	\$ 733.95	
CBA/ABC Bulletin	2,678.00	
Cinq-Mars Prize	100.00	
Plaque and Medal	503.49	
Fredericton Meeting (Seed Money) ...	800.00	
Youth Science Foundation	10.00	
Tax Receipt Forms	95.64	
NRC Journals	2,869.50	
Secretary/Executive	1,775.11	
Treasurer	146.28	
Section Expenses	148.88	
Directory	213.50	
Membership Dues Overpayment	3.00	
Dud Cheques	72.50	
		\$10,149.85

RECONCILIATION

Assets		
Current Account	\$ 8,354.14	
Certificate	10,000.00	
		\$18,354.14
Liabilities		
Cheques Outstanding	\$ 2,529.84	\$ 2,529.84
Net Surplus		\$15,825.30

WERESUB FUND

Donations	\$11,600.00	
Interest	1,345.43	
		\$12,945.43
Certificate	\$12,300.00	
Cash	645.43	
		\$12,945.43

D. Davidson, Treasurer

CANADIAN CONGRESS OF BIOLOGY
JUNE 23-28, 1985
THE UNIVERSITY OF WESTERN ONTARIO

THE CBA/ABC WILL MEET IN LONDON, ONTARIO, UNDER THE AUSPICES OF THE BIOLOGICAL COUNCIL OF CANADA (BCC) AND WITH ITS MEMBER SOCIETIES. THIS CONGRESS, THE FIRST OF ITS KIND, WILL ALLOW CANADIAN BIOLOGISTS AN OPPORTUNITY TO EXPLORE AND DISCUSS THE BROAD INTERDISCIPLINARY ASPECTS OF THEIR FIELDS, AND AS WELL, REPORT AND GET UP-TO-DATE ON THE CURRENT STATUS OF THEIR SPECIALITIES.

BESIDES THE USUAL SOCIETAL SESSIONS OF SECTIONAL SYMPOSIA, CONTRIBUTED PAPERS, AND POSTER PAPERS, A FULL PROGRAM OF INTERDISCIPLINARY CONGRESS SYMPOSIA IS PLANNED — INCLUDING FORESTRY RESEARCH IN CANADA; LIFE IN A COLD CLIMATE (2); BIOTECHNOLOGY; DISEASE RESISTANCE; SOIL, BIOTA AND FERTILITY; AGEING; ECOLOGY OF COMMUNITIES; DEVELOPMENTAL BIOLOGY; PREDATION; MOLECULAR BIOLOGY.

THERE ARE 12 SOCIETAL SYMPOSIA, 50 SOCIETAL CONTRIBUTED PAPER SESSIONS, DAILY POSTER SESSIONS, AND COMMERCIAL EXHIBITS.

SEE THE FLYER INCLUDED WITH THIS ISSUE OF THE BULLETIN FOR FURTHER INFORMATION.

Dick I. Greyson
Vice-President, CBA/ABC

NATIONAL RESEARCH COUNCIL OF CANADA RESEARCH JOURNALS — 1985 SUBSCRIPTION RATES

The Secretary of CBA/ABC recently received a letter from NRCC enclosing the subscription rates for 1985 for all the research journals. Most CBA/ABC members subscribe to the Canadian Journal of Botany through the Association, but reduced rates are available for any of the other journals listed below. Please refer back to this listing when completing your membership form for 1985 if you do wish to subscribe to any journal other than CJB.

Publication	Personal Sub.		Mandatory Sub. with Membership	Non-mandatory Sub. with Membership
	Can.	Foreign		
Can.J.Biochem. & Cell Biol.	\$32	\$52	\$18.00	\$19.00
Can.J.Botany	59	79	32.00	34.50
Can.J.Chemistry	70	90	40.00	43.50
Can.J.Earth Sciences	48	68	23.00	24.50
Can.J.Microbiology	37	57	20.00	21.50
Can.J.Physics	48	68	26.00	28.00
Can.J.Physiol. & Pharmacol.	35	55	20.00	21.50
Can.J.Zoology	53	73	29.00	31.00
Can.J.Forest Research	32	47	14.00	15.00
Can.J.Genetics & Cytology	32	47	12.00	13.00
Can.J.Civil Engineering	27	37	12.00	13.00
Can.Geotechnical J.	27	37	12.00	13.00

CONSERVATION TIDBITS

Conservation organizations in Britain are jointly funding a scheme to protect some of the country's rarest wild orchids. The scheme involves the Nature Conservancy Council, World Wildlife Fund and the Esmée Fairburn Charitable Trust. This is the first U.K. project for the WWF in its international plants conservation scheme.

Nature conservation trusts in 6 counties are mounting a 24-hour warden scheme to try to stop thieves (and misguided gardeners) from digging up the orchids. As an example, the Kent Trust

for Nature Conservation has put a protective fence around one population of Monkey Orchids.

A booklet on plant conservation has been produced by the Conservation Monitoring Centre, based at the Royal Botanical Gardens, Kew, England. The booklet outlines the enormous task throughout the world facing the International Union for Conservation of Nature and the World Wildlife Fund. The booklet shows how individual countries can help to stem the estimated loss of two plant species a year. The author of the booklet is Mr. Hugh Syngé, head of the Threatened Plants Unit at Kew.

NEWS FROM THE SECTIONS

Ecology Section

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

The Section held a successful symposium on Botanically Significant Areas in Atlantic Canada during the Annual Meeting at Fredericton. Papers from the 1983 symposium on Wetlands are under review for publication in the Canadian Journal of Botany.

General Section

Chairman: Joanne MacDonald, Dept. of Forest Resources, Univ. of New Brunswick, Bag Service #44555, Fredericton, N.B. E3B 6C2
Secretary:

The Section is planning a trip to the Royal Botanical Gardens, Hamilton, and a symposium on palaeobotany for the 1985 meetings in London.

Mycology Section

Chairman: James A. Traquair, Harrow Research Station, Agric. Canada, Harrow, Ont NOR 1G0
Alternate: David Punter, Dept. of Botany, Univ. of Manitoba, Winnipeg, Man R3T 2N2

The Section plans to prepare a list of mycology projects in Canadian universities and government labs for the *Bulletin*. A Mary Elliott Mycological Foray is being organized by Daryl Grund, Acadia Univ., N.S.

4th L.K. Weresub Memorial Lecture

The 4th Luella K. Weresub Memorial Lecture was held at the University of New Brunswick, Fredericton. There was a full house on June 25, 1984, for Ken Harrison's superbly illustrated lecture on the "Beautiful and Strange Mushrooms Found in Our Maritime Provinces". Publicized as an open lecture, it was attended by many local residents in addition to the CBA/ABC conference registrants. All were eager to learn more about wild mushrooms from this experienced and scholarly gentleman.

Ken Harrison was born in Maugerville, Sunbury County, New Brunswick, in 1901. He obtained a diploma in agriculture from the Nova Scotia Agricultural College at Truro in 1922 and a B.Sc. from the Ontario Agricultural College at Guelph in 1924. He was awarded an M.Sc. in plant pathology from McGill University in 1925, and began his career in that field with the Canada Department of Agriculture in Kentville, N.S., in 1926. Acadia University honored him with a D.Sc. in 1965 and further recognized his studies of fungi by naming the Kenneth A. Harrison Laboratory of Mycology after him in 1978.

Ken's first paper on the taxonomy of fleshy fungi was published in 1928 and he has continued to discover many new species and new records. In 1961 his first book, *The Stipitate Hydnums of Nova Scotia*, was published. A second book, *The Boletes of Nova Scotia*, co-authored with Daryl Grund at Acadia University, appeared in 1975.

Over 75 unusual and interesting fleshy fungi were illustrated with excellent color slides.

Ken's joy and expertise in photography delighted the audience. Each picture was accompanied by an interesting and scientifically precise commentary. Anecdotal material from his personal experiences helped everyone to share his boundless curiosity and enthusiasm for studies of the flesh fungi. His warnings about mushroom poisoning and the dangers of confusing young *Amanita virosa* with *Agaricus silvicola* were chilling. However, the audience was sufficiently tantalized by descriptions of his personal favorites among the edible species. Questions on suitable collecting sites were forthcoming and hints as to where morels might be found were freely divulged.

Ken Harrison's lecture was a fitting tribute to the memory of Luella Weresub who was equally devoted to the study of fungi. Following retirement as a plant pathologist in 1966, Ken developed close ties with Alexander Snith and the Mycological Herbarium at the University of Michigan in Ann Arbor. What began essentially as a hobby has developed into an area of research for which Ken has earned considerable respect and admiration.

James A. Traquair

Phycology Section

Chairman: Gordon G.C. Robinson, Dept. of Botany, Univ. of Manitoba, Winnipeg Man R3T 2N2
Secretary:

The Section is planning a symposium for the 1985 meeting. A list of "What's On In Phycology in Canada" is being prepared for the *Bulletin*.

Structure & Development Section

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

The Section did not hold a business meeting at Fredericton.

Systematics & Phytogeography Section

Chairman: Keith E. Denford, Dept. of Botany, Univ. of Alberta, Edmonton, Alta T6G 2E9
Secretary: Janet R. Dugle, Environ. Research, Whiteshell Nucl. Res. Establishment, Pinawa, Man R0E 1L0

The Section is planning field trips during the 1985 meeting. Paul Catling reported that the floristic list of Canada is expanding with a bibliography for Nova Scotia.

DID YOU KNOW?

A study of consumer buying habits in drugstores in America showed that drugstore customers spend more money when they have less time to shop. The study showed that consumers buy more when they are in a drugstore for 10 minutes or less.

Soviet scientists have found fossil palm trees 40 million years old on the Arctic island of Spitzbergen. They say that this indicates a change in the earth's axial tilt, British astronomers say continental drift is a more likely theory.

Annual Report, July 1983 - June 1984

Current members of the Committee are: Dianne Fahselt (Chair), George Argus, Vernon Harms, George Ledingham, and Paul Maycock. Regional contact persons are: Bruce Roberts (Nfld), Ross Wein (Maritimes), J. Jeglum (N. Ontario - R.A. Sims, alternate 1984-85), Tony Reznicek (S. Ont), Andre Bouchard (Que), Jennifer Shay (Man), Stan Rowe (Sask), P. Achuff (Alta), and Bob Ogilvie (B.C.).

1. Important Ecological Sites by Region: The committee has suggested to regional contact persons that non-exclusive lists of important ecological sites be compiled for each region in order to confer some status to crucial areas, particularly those which have not been acknowledged in any way, should they become threatened. Several regional representatives have expressed their intention to compile such a list.

2. Public Education re: Carolinian Forests: The committee contacted David Suzuki on two occasions to suggest that Carolinian forests be treated in the program "The Nature of Things". No action has been taken to date.

3. Carolinian Canada Project: D. Fahselt is representing CBA/ABC on the steering committee of Carolinian Canada which oversees identification and protection of critical Carolinian sites. P. Maycock figures prominently in the selection of the areas which will be set aside. The project is funded by the Richard Ivey Foundation with matching government funds from the Ontario Government totalling \$400,000. It is expected that most areas will be protected by some means other than outright acquisition.

4. Highways 402/403 in Ontario: Inquiries were made into the adequacy of environmental assessments which preceded the routing of Highway 402/403. Highway 403 and about two-thirds of 402 were largely exempt from assessment because of a retroactive clause in the Environmental Assessment Act, and both went through woodlots to some extent because the lobby was from farmers rather than from scientists/naturalists. On the other hand, environmental criteria figured largely in the routing of the section of 402 in the London area.

5. Backus Woods: D. Fahselt is representing the CBA/ABC on the Backus Advisory Committee. Parks Canada was congratulated when we thought it was considering Backus Woods as a possible national landmark. A Management Committee decision was made to harvest no timbers, even wind throws, and a CBA/ABC letter to defend this position against criticism by foresters has been drafted.

6. Ojibway Prairie, Ontario: We objected to the clearing of uninventoried vegetation in the provincial Nature Reserve, particularly since it was done by an excavating company with no botanical expertise. Later, the committee met with representatives of the Ontario Ministry of Natural Resources (MNR) and discussed the management plan for Ojibway Prairie. We generally approved the plan and provided recommendations regarding the importance of vegetation monitoring, specific techniques pertaining to burning/monitoring, and the importance of managing the area as an ecosystem. Management and monitoring being carried out presently is considered appropriate by CBA/ABC.

7. Holland River Marsh, Ontario: The CBA/ABC sent a brief to the Hon. James Snow, Ontario Ministry of Transportation and Communication, outlining our opposition to the construction of a highway through this important wetland complex. A detailed letter on the same issue was addressed to the Hon. Alan Pope, Ontario Minister of Natural Resources.

8. Oriskany Sandstone Outcrop, Ontario: Once more than half of the original vegetation was destroyed, the Flintkote Co. (Genstar) found that the Oneida quarry was uneconomic and sold it. The sale has been noted and inquiries re the possibility of protection are again being made.

9. Heritage for Tomorrow Conference, Banff, Alberta: (The Canadian Assembly Project). We (i.e., CBA/ABC) agreed to forward to the Project our regional lists of areas that are important from a botanical point of view. One of the objectives of the Project is to assist in the protection of natural areas.

10. Milk River Canyon Ecological Reserve, Alberta: CBA/ABC expressed through its President strong support for the designation of the Milk River Canyon, which includes a complex of undisturbed communities, as the province's first ecological reserve.

The CBA's brief was one of many that were supportive, but the March 1984 hearings did not produce a clear decision on whether the area should be given the status of an ecological reserve. G. Ledingham has offered to help with a botanical inventory of the proposed reserve.

11. Draft Policy on Biological Field and Research Stations in Canada: The committee through the CBA/ABC President responded to the BCC's draft document and recommended an integrated approach to field stations and nature preserves. We stated that national recognition of the need for such areas is required in order that designated facilities will have a degree of permanence.

12. Regulation of New Provincial Parks in Ontario: Further inquiries were made to the Ontario Minister of Natural Resources regarding the establishment of promised new parks in the province. Seven new wilderness class parks were regulated in 1983.

13. Gillfillan Lake, Nova Scotia: We have been assured that the Nature Conservancy of Canada is still mindful of the threatened Gillfillan Lake and environs with one of the last representations of Atlantic Coastal Plain flora.

14. Ontario Heritage Foundation: On invitation the Conservation Committee has requested funding for basic ecological research relating to preservation of rare habitats.

15. Canadian Council on Ecological Areas: A CCEA meeting was held in Sackville, N.B., in August 1983, and Pierre Taschereau was a CBA/ABC member in attendance.

16. Canadian Institute of Forestry Conservation Committee: An exchange of conservation related information took place between CBA/ABC and CIF.

Dianne Fahselt, Chair

The Plant Biology Subject Division of the Royal Society of Canada announces the election of the following two scientists to Fellows.

Frank Wightman, Professor of Biology at Carleton University, Ottawa, is an acknowledged authority in the field of plant growth and development and is particularly well known for his work on the biosynthesis of the plant hormones, 3-indoleacetic acid, 3-indolepropionic acid and phenylacetic acids.

Jean G. Lafontaine has undertaken a rigorous, systematic cytological and cytochemical analysis of the detailed organization of nuclei in cells of higher and lower plants for more than two decades. The results of these studies provide some of the main data we have for interpreting nuclear and nucleolar fine structure in interphase, the behaviour of nuclear components during nuclear division and the chemical composition of nuclear and nucleolar structures. His findings with plant cells correlate with comparable results from animal cells and are of basic importance to our understanding of the structural basis for integrated function of the genetic apparatus in eucaryotic cells.

J. Derek Bewley, Rapporteur
Plant Biology Division
Academy III (Science)
The Royal Society of Canada

REORGANIZATION AT OXFORD UNIVERSITY

The Departments of Forestry, Botany and Agriculture at Oxford University have been merged into one Plant Science Department. It is hoped that this will strengthen academic contacts and research work. The first Head of the new department is Professor Frederick Whitley, Sherardian Professor of Botany at the University. His deputy is Professor David Smith, Sibthorpe Professor of Rural Economy. The original three rather small departments will progressively pool all their resources so that people doing similar work can be housed together.

CBA/ABC AWARD WINNERS SINCE 1965 — UPDATE

New information on the Lionel Cinq-Mars Award has come to light since I published the list of CBA/ABC Officers and Award Winners since 1965 in the January 1984 issue of the *Bulletin* (Vol. 17, No. 1, pp. 14-15).

All the data we possessed showed that the Lionel Cinq-Mars Award for the best student paper presented at the Annual Meeting was first made in 1977. Guy Brassard contacted me with the information that an award had been made to Mr. (now Dr.) Anton A. Reznicek in 1976, i.e., before it became known officially as the Lionel Cinq-Mars Award. Correspondence with Tony Reznicek has shown that he did indeed receive an award for the best graduate student paper presented at the 1976 meeting held at Lennoxville, Que. The paper was titled *The Taxonomy of Potamogeton subsection Hybridi in North America*, and he received a cash prize of \$50.00.

This information has now been added to the full lists of officers and Award Winners maintained by the President, Secretary and Editor.

All Section and Committee Chairmen are requested to examine their files for correspondence, minutes of meetings, etc., that would be appropriate for permanent storage in the Archives. Such material should be sent to the Archivist, Dr. W.I. Illman, who would also be willing to answer any queries re suitable material. This would probably help to thin out some bulging files while improving our holdings of important Association material. Please contact Dr. Illman directly: E.L.B.A., Carleton University, Ottawa, Ont K1S 5B6 (613-231-3813).

NEW BULLETIN EDITOR REQUIRED

The term of office of the present Editor ends with the October 1985 issue and cannot be renewed. The Board of Directors would like to announce the name of the new Editor at the CBA/ABC Annual Meeting in June 1985, and the search is therefore beginning now.

The position is filled by appointment by the Executive of CBA/ABC. Any member interested in becoming the Editor of the CBA/ABC *Bulletin* for a 3-year term (renewable for one further term of 3 years) is urged to so inform the President, Mr. G.A. Mulligan, Biosystematics Research Institute, Central Experimental Farm, Ottawa, Ont K1A 0C6

Gerald A. Mulligan
President, CBA/ABC

EDITOR'S NOTE: The qualifications for the position are minimal — an ability of type (even if only with two fingers) or the use of secretarial help, and a strong interest in the affairs of the Association. The time required to produce and mail the *Bulletin* averages 5 days every 3 months, and most material is submitted. Please do not hesitate to contact me if you wish any further information before finally deciding that you are interested. I will tell you every thing that you ever wanted to know about my job! — Sylvia

CONSERVATION COMMITTEE, CBA/ABC

CONSERVATION OF SIGNIFICANT NATURAL VEGETATION

Members in all parts of Canada are reminded that support for significant natural areas can be requested from the Association. Supply the Conservation Committee with a clear diagnosis of the situation and an indication of government or company officials to be contacted. Botanical documentation should also be given to the committee. The committee will review the data and if warranted take a stand which will be transmitted to appropriate authorities by our President.

While results can of course not be guaranteed, CBA/ABC's representations have in some cases proven effective.

Dianne Fahselt, Chairman
CBA/ABC Conservation Committee

POSITIONS AVAILABLE

Memorial University of Newfoundland, St. John's

Head, Department of Biology — Applications are invited for the position of Head, Department of Biology for September, 1985. The Department has 45 full-time faculty members and over 60 support staff, and offers undergraduate and graduate programs to the Ph.D. level. Research and teaching are, at present, in four main focal areas — marine biology, evolution and ecology, parasitology/entomology, cell/biology/microbiology. Some faculty hold cross-appointments to the Marine Science Research Laboratory, the Newfoundland Institute for Cold Ocean Science, the Department of Biochemistry and the Faculty of Medicine.

Applicants should have demonstrated ability in research and be able to show leadership and administrative ability appropriate to the post. The applicant should have a broad appreciation of the biological field and be responsive to the diverse requirements of this multi-disciplinary Department. The appointment (subject to budget) will be at the level of Full Professor, commencing on September 1, 1985.

Address applications or requests for further information to: Dr. P.J. Heald, Dean of Science, (Chairman Biology Headship Search Committee), Memorial University of Newfoundland, St. John's, Nfld A1B 3X7. Applications should be received by October 31, 1984.

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

University of Western Ontario, London, Ontario

Post-doctoral Fellow or Research Assistant in Plant Systematics — A position is available for a Post-doctoral Fellow or a Research Assistant to work on an NSF-sponsored project, 'Evolutionary Systematics of the Maloideae (Rosaceae)'. Position to start October 1, 1984, or as soon as possible thereafter, and to last one year with the potential of a second by mutual agreement. Applicant should hold a recent M.Sc. or Ph.D. in Plant Systematics, and should be skilled in one or more of the following: light microscopy (cytology, anatomy), SEM, phytochemistry (particularly phenolics), archival work, computer assisted methodologies.

Please send application and names of three references to:- Dr. J.B. Phipps, Department of Plant Sciences, The University of Western Ontario, London, Ont N6A 5B7.

Royal Ontario Museum, Toronto, Ontario

Assistant or Associate Curator (tenure-stream) in Vascular Plant Systematics — Applications are invited for the position of Assistant or Associate Curator in Vascular Plant Systematics to assume responsibility for the Museum's obligations in vascular plants. This involves 1) curatorial responsibility, including maintenance and development of the research collections and provision of information about the groups and species represented, 2) conduct of specialized research in systematics botany, 3) participation in the Museum's educational program, including gallery exhibition, interpretive writing, and lecturing, and 4) administration of a small staff. The scope of the Museum is world-wide,

but it is expected that work on the Canadian and North American flora will be kept in balance with work involving the flora of other continents. The opportunity exists for a cross-appointment to the professorial staff of the University of Toronto.

The new curator will be involved in the design and implementation of a Botany gallery, beginning in 1986.

The Royal Ontario Museum comprises 9 departments in science, 9 in art and archaeology, and 15 service departments. Currently, the Botany Department has a staff of four (curator, curatorial assistant, technician, and secretary). The new curator will be responsible for a 260,000 sheet vascular plant herbarium (TRT). Other collections include modern and fossil pollen and seeds.

Available are a scanning electron microscope, electronic data-processing facilities, a biochemical and histological laboratory, and radiographic equipment. Some facilities are operated by full-time technicians.

Applicants should have a Ph.D. with post-doctoral or equivalent experience, specialization in the systematics of one of the vascular plant groups involved in the duties of this position, and professional experience in collection development. Demonstrated leadership ability and enthusiasm to undertake independent research and publication, along with the curatorial and educational functions of this position are important.

The effective date of appointment is March 1, 1985, or shortly afterward.

Send curriculum vitae with statement of professional goals and names of three references before November 30, 1984, to: Search Committee, c/o Dr. J.H. McAndrews, Department of Botany, Royal Ontario Museum, 14 Queen's Park Crescent West, Toronto, Ont M5S 2C6.

NEW BOOKS AND JOURNALS

The Provincial Museum of Alberta announces the publication of Number 5 in their series of Occasional Papers in Natural History. A Checklist of the Rare Vascular Plants in Alberta by John G. Packer and Cheryl E. Bradley was issued in June. It may be obtained free by contacting: Provincial Museum of Alberta, Alberta Culture, 12845 - 102 Avenue, Edmonton, Alta T5N 0M6

The Museum also regrets to announce that Number 4 in the series, Plants and the Blackfoot by Alex Johnston, is now out-of-print.

The Royal Botanic Gardens, Kew, announce the publication of a new quarterly journal, THE KEW MAGAZINE. This journal is edited by staff at the Garden and incorporates the world-famous Curtis's Botanical Magazine, which was founded in 1787.

The Kew Magazine is intended to be truly international in approach and to provide a forum for both botanists and horticulturists worldwide. The editor (Dr. C. Grey-Wilson, Senior Taxonomic Botanist, Royal Botanic Gardens, Kew Green, Richmond, Surrey) welcomes original contributions.

Annual subscription rates for 1984 are £35. Subscription inquiries should be sent to: Marston Book Services Ltd., 108 Cowley Rd., Oxford, Eng.

The Congress will be held in Syracuse, New York, 10-16 August, 1986. It is organized by the International Association for Ecology (INTECOL), in conjunction with the Ecology Section of the International Union of Biological Sciences; and sponsored by the Ecological Society of America, the State University of New York (SUNY) College of Environmental Science and Forestry, and Syracuse University, and supported by Cornell University, and SUNY Centers at Albany, Bringhamton, Buffalo and Stony Brook.

The theme is "Global Connections in Ecological Theory and Practice". Plenary sessions, symposia, workshops, and contributed paper and poster sessions will discuss both theoretical and applied aspects. Pre- and post-Congress field trips in New York, New England, and parts of adjacent Canada are planned.

Suggestions for the symposia and workshops should be sent to the chairman of the Program Planning Committee, Dr. F.B. Golley, Secretary General of INTECOL, Institute of Ecology, Univ. of Georgia, Athens, GA 30602, U.S.A.

Copies of the First Circular for distribution to members have been sent to Dr. Bruce Roberts, Chairman, CBA/ABC Ecology Section.

Mohan K. Wali
Congress Co-Chairman
SUNY Coll. Env. Sci. & For.
Syracuse, NY 13210

HERBARIUM DUPLICATES FOR SALE

The duplicates of 1500 vascular plants, 1000 of them mounted, of 1200 mosses and liverworts, and of 400 lichens are for sale.

This material comes mainly from the Mingan Islands, Fort Chimo, Saint-Pierre and Albert Mountains, Bic region and the Magdalen Islands archipelago. They are all identified and annotated with a voucher containing ecological data.

Les doubles de 1500 plantes vasculaires, dont environ 1000 montées sur carton, de 1200 mousses et hépatiques et de 400 lichens placés dans des enveloppes.

Ces spécimens proviennent de la Minganie, de Fort-Chimo, des monts Saint-Pierre et Albert, du Bic et des îles de la Madeleine principalement. Ils sont tous identifiés et dotée d'une étiquette de récolte de type écologique.

La collection sera cédée au plus offrant.

Contact: QEF Herbarium, Forest Ecology, Laval University, Québec, Qué G1K 7P4 (418-656-2838)

Miroslav M. Grandtner

LEOPARD CHANGING ITS SPOTS?

A Kent (England) farmer served two weeks in prison last year for breaking a High Court injunction against major tree felling on his land. He has now applied for a voluntary job — guarding trees subject to preservation orders in his village!

No comment!

The Botany Division of the National Museum of Natural Sciences announces the appointment of two new staff members, both plant taxonomists.

Dr. Michel Poulin will be Curator of Algae and Head of the Phycology Section. He is an expert in the microscopic algae, specifically diatoms, and is interested in building up the collection of freshwater algae to complement the already impressive collection of marine algae.

Dr. Susan Aiken will be Assistant Curator of Vascular Plants. Dr. Aiken has spent several years working on grasses but also has experience with aquatic plants and in the fields of morphology, anatomy, and computerized key generation.

Irwin M. Brodo

HERBIER MARIE-VICTORIN: COLLECTION BRYOLOGIQUE

Grâce à un octroi de "Fonds de développement à la recherche" de l'Université de Montréal, la majorité des spécimens de la collection bryologique de l'Herbier Marie-Victorin (ca. 30,000 des 50,000 spécimens) a maintenant été remise en ordre. Les chercheurs peuvent donc la consulter, que ce soit sur place ou par l'intermédiaire de prêts aux institutions reconnues. Cette collection renferme entre autres des récoltes de L.H. Dupret (sud-ouest du Québec), J. Kucyniak, Marie-Victorin et Le Gallo.

The bryological collection at the Herbar Marie-Victorin is now available to scientists, either in situ or via requests.

Luc Brouillet, Conservateur

The Bulletin of the Canadian Botanical Assoc.

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Advertisements for Positions Open and Classified categories may be placed at a cost of \$10.00 Can per published column inch. Advertisements by individual members for post-doctoral opportunities and Positions Wanted are carried free.

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

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

Inquiries about membership of the CBA/ABC should be addressed to the Secretary of the Association:- Dr. Paul G. Harrison, Department of Botany, University of British Columbia, Vancouver, B.C. V6T 2B1