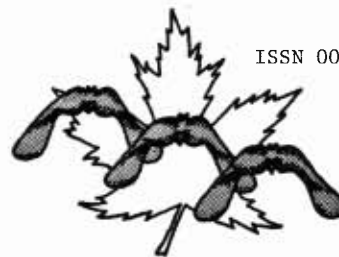


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PATRON

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

PATRON D'HONNEUR

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

CBA/ABC - AIBS JOINT MEETING 1983

The Joint Meeting of the CBA/ABC and AIBS was held on 7-11 August, 1983, at Grand Forks, N.D. The following is a collage of impressions by several members of CBA/ABC who attended.

General

Mohan Wali had promised us a "warm welcome" to North Dakota — although 40.5°C (105°F) was a little warmer than anticipated, and we did not expect the "rousing farewell" at 6:15 am on Friday morning! Fortunately, the fire alarm system had only malfunctioned — but it was impressive to see how efficiently the Grand Forks Fire Department responded to the call. Otherwise, Mohan delivered as promised, and the 90 or so CBA/ABC members were highly impressed.

Every conference seems to have its memorable landmark, some item that becomes forever fixed in our memories. For example, waiting for the elevators in Vancouver, the infamous after-dinner entertainment in Thunder Bay, the sumptuous banquet in Guelph, etc. Certainly the meetings in Grand Forks will be remembered for many things the incredible heat during the first few days, the indoor Bar-B-Q, the un-airconditioned dormitory rooms and, of course, the trip to Whity's Place on Sunday evening. It seemed as if most of the conference participants ended up at this well-known watering hole located in East Grand Forks, just across the state border. North Dakota's Sunday blue laws made those of us from Ontario feel quite at home.

It must have been somewhat of a shock for Grand Forks, as close to 3,000 biologists descended from all parts of North America. Everything, though, ran extremely well. The organization was superb. The University of North Dakota students, in their bright green shirts, were very helpful and courteous.

It takes two days to drive from Ottawa to Grand Forks, with night driving necessary because of extra stops. The vegetation was lush on the black prairie soils of Minnesota and North Dakota — there had been more rain than usual here, a direct contrast to the southern Ontario drought. However, a hot wind blew over the flat fields of sunflowers and white beans, and there was no vestige of the original tall grass prairie.

CBA/ABC seemed to fare quite well in the ongoing competition with our American colleagues for a place in the sun. We were even singled out for a special welcome as the sign in front of the auditorium flashed "Welcome AIBS and Canadian Botanical Society".

It was a little disappointing to discover that certain AIBS personnel were determined that we were meeting jointly with the Botanical Society of America — despite the fact that the program stated very clearly that it was with AIBS.

Those of us who stayed in the campus residences found them adequate (as long as you could tolerate the heat). Food, although of standard cafeteria quality, was available in large quantities.

On arrival we learned that there had been a mix up and there was no more room on campus. We were forced to settle for an airconditioned motel with a pool. At first this seemed like a terrible inconvenience, but later we smiled with satisfaction when told of the oppressive heat in the residences.

In general, the arrangements made by the University of North Dakota and the organizing committee were excellent. The BSA - CBA banquet was especially well organized, and the time devoted to listening to the head table was not excessive, despite the extra award presentations and speakers. The provision of a Canadian flag added to the general feeling of hospitality.

Everyone must have experienced the warmth and

hospitality of our hosts in North Dakota. Their friendly smiles and helpful gestures were much appreciated. There seemed to be no end to the banquets, luncheons and mixers, each characterized by plenty of food and drink. These lively social events were marked by well deserved awards and provocative speeches. The parting message of Mildred Mathias, President of BSA, at the joint BSA - CBA banquet was memorable. After reminding us of the many scientific advances in the last few decades, she challenged us to promote the conservation of our botanical heritage and to inform the public more effectively of the importance of plants in the ecosystem. As she said, ecology is not picking up discarded cans and bottles.

I was disappointed in the poor quality of the sound system and the noisy and inattentive audience during the introductions, awards and talks at both the ESA and BSA - CBA/ABC banquets.

I was very impressed with the name tags given to pre-registrants — letters 7.5 mm (0.3") high made for very readable labels. No more peering!

Pre-conference Field Trips

The pre-conference field trips were interesting and well attended in spite of the record breaking heatwave. The leaders must be congratulated for providing thorough and informative introductions to the flora of North Dakota and southern Manitoba. The flat, expansive fields of sunflowers, corn and wheat neatly surrounded by impressive windbreaks created a lasting image. Many delegates from more populated regions were also delighted to frequently spot plants that were rare and all but extinct in their areas.

The Meeting

The joint meeting of CBA/ABC and 10 societies under the umbrella of AIBS brought together many diverse botanical and biological disciplines, and provided an excellent opportunity for stimulating discussion and debate. Some delegates had travelled great distances across Canada and the United States and from as far afield as Australia. It was a great chance to meet old friends and make new acquaintances.

There were the usual frustrations common to large meetings. Many concurrent sessions of the various societies meant that there were always several papers you wanted to hear at the same time in separate buildings. Often a quick dash across campus to another session (not recommended when it is 40°C in the shade) was for naught because the speaker had failed to appear and the paper was cancelled. I found it annoying that business meetings (and the Luella K. Weresub Memorial Lecture) were scheduled opposite paper sessions. This is a good way of ensuring a small attendance at the former. It also accounts for the disappointingly low attendance at Kris Pirozynski's excellent talk on "Fungi as botanists".

I have never before attended meetings with so many cancelled papers and schedule changes. Half the speakers did not appear in some sessions. A daily notice to indicate the cancellations and changes would have been very helpful in planning one's day. There was much more unevenness in presentations than I had noticed before. The symposia were most interesting, particularly cleistogamy and paleoecology (the abstracts are still available). The wetland symposium fell a little short of expectations, but even here there

were some very good papers. Numerous concurrent sessions in various buildings made it difficult to take advantage of the diversity available, but this is a perennial problem at big meetings. The problems were overshadowed by the great advantage in the opportunity to meet with so many people covering a wide range of botanical interests.

During the conference proper, participants were treated to a mind-boggling array of 61 different symposia, special lectures and workshops in addition to over 1000 contributed papers and posters. The short papers, for the most part, were informative and well presented. Students especially should be commended for their professionalism. But there were far too many concurrent sessions. Last-minute cancellations became a frustrating problem towards the end of the conference. On the other hand, the longer symposia and lectures were most rewarding. The acid-rain symposium, featuring speakers from Canada and the United States, was especially timely and popular.

The general quality of the contributed papers was good in the sessions I attended. Most speakers (mainly students) were well prepared and presented reasonable experimental data to support their hypotheses. The 15 minutes allocated for each presentation was too short to allow for any serious discussion, particularly as speakers generally used the full 15 minutes themselves, thus leaving no time for questions (perhaps intentionally). As a personal choice, I generally avoid symposia at this type of meeting because the research findings are often a rehash of work already published, and one of the speakers frequently fails to show up. My opinion was confirmed again at this meeting.

Most people found the four days of papers, poster sessions and symposia exhausting. It made me appreciate again the usual CBA/ABC format with half or full day field trips interspersed with the more formal parts.

From my perspective, it was disappointing that the Phycological Society of America sessions were so far from the mainstream of activity. I got the impression that they had not considered that their sessions may have been of interest to others. I enjoyed the opportunity to meet with people whose major interest was teaching. The Teaching Workshops were all excellent presentations. Clearly, the hands-on nature of these workshops is both attractive and effective.

Conclusions

All in all a very good meeting, but it will be refreshing to get back to a maritime location next year after 2 consecutive years on the prairies.

Our thanks to the U.S. for their excellent hospitality.

The profile of CBA was much improved over the Phoenix meetings. Nevertheless, it is still apparent that AIBS organizers need a better mechanism to focus the meetings on 'science' needs rather than on the more tangible business of meeting organization. It was quite remarkable that the Abstract and Programs, both of which were finalized 3 months earlier, should be so late in distribution. The criticisms are minor compared with the successes. We owe Stan Rowe and Mohan Wali an enormous debt for their work for CBA/ABC.

• Would I attend another joint meeting? YES.

CBA/ABC AWARDS 1983

GEORGE LAWSON AWARD

The George Lawson Award of the CBA/ABC was presented to Dr. Thomas C. Hutchinson (University of Toronto) at the Annual Banquet, August 10, 1983. The Award was made by Dr. James H. Soper, President of CBA/ABC. The citation presented with the Award is reprinted below.

For meritorious research and contributions in the field of the impact of anthropogenic stresses on both terrestrial and aquatic ecosystems, and particularly for his extensive work on the effect of heavy metals on plant activities, The Canadian Botanical Association/L'Association botanique du Canada awards THE GEORGE LAWSON MEDAL to

Thomas C. Hutchinson

MARY E. ELLIOTT SERVICE AWARD

The Mary E. Elliott Service Award of the CBA/ABC was presented to Dr. Roy L. Taylor (University of British Columbia) at the Annual Banquet, August 10, 1983. The Award was made by Dr. James H. Soper, President of CBA/ABC. The citation presented with the Award is reprinted below.

For service to the Association performed unstintingly and without reservation, both publicly and in many unacknowledged ways, and for the important role that he has played in the formation and the development of the Association, its ideals and objectives, The Canadian Botanical Association/L'Association botanique du Canada confers THE MARY E. ELLIOTT SERVICE AWARD on

Roy L. Taylor

LIONEL CINQ-MARS AWARD

Ten papers were presented in the competition for the Lionel Cinq-Mars Award for the best student paper presented at the Grand Forks meetings. The panel of judges, representing all six sections of CBA/ABC, found the papers to be of high standard and finally selected the paper presented by Gregory J. Taylor (Queen's University) as the best presentation. The title of the paper was Uptake and accumulation of copper, nickel and iron by *Typha latifolia* L. grown in solution culture (Taylor and Crowder).

The award, a cheque for \$100, has been mailed to Mr. Taylor as it was not possible to make the presentation at the Annual Banquet as usual.

BCC GOLD MEDAL 1983

The first BCC GOLD MEDAL was presented to Dr. Michael Shaw (University of British Columbia) on August 10, 1983, during the Annual Meeting of the Canadian Phytopathological Society at Laval. The Medal, awarded for "outstanding service to biology in Canada", was presented by Dr. G. Robin South, President of BCC. Dr. Shaw is also a member of CBA/ABC and was President of the Association in 1980/81. The citation accompanying the Gold Medal presented to Dr. Shaw reads, in part, as follows.

Dr. Shaw's accomplishments as a scientist have brought him widespread recognition. He was elected a fellow of the Royal Society of Canada and of the American Phytopathological Society. He was awarded the Gold Medal of the Canadian Society of Plant Physiologists, the Flavelle Medal of the Royal Society of Canada, and the Queen's Silver Jubilee Medal. He was admitted to the Ph.D. ad eundem gradum by the University of Saskatchewan and his alma mater, McGill University, conferred on him the honorary degree of Doctor of Science.

Dr. Michael Shaw, acclaimed in his field of study, sought for administrative wisdom, and devoted to the needs of science, is an exemplary candidate for recognition by the Biological Council of Canada for 'outstanding service to biology in Canada' and is presented with the first Gold Medal of the Biological Council of Canada.

Note: The Editor regrets that no photographs were taken of the presentations in Grand Forks.

OFFICERS OF CBA/ABC - 1983-1984

Board of Directors

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Office:

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E.L.B.A.
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Officers of the Sections

Ecology Chairman: Bruce A. Roberts
Secretary:

General Chairman: Joanne Macdonald
Secretary:

Mycology Chairman: James A. Traquair
Alternate: David A. Punter

Phycology Chairman: Gordon G.C. Robinson
Secretary: Pamela Stokes

Structure & Development Chairman: Richard I. Greyson
Secretary:

Systematics & Phytogeography Chairman: Keith E. Denford
Secretary: Janet R. Dugle

Representatives on other organizations

B.C.C. Council W.G. Barker
G.A. Mulligan

Alternates J.H. Soper
P.M. Catling

I.U.B.S. John McNeill

CALL FOR NOMINATIONS — AWARDS 1984

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. The membership is therefore invited to submit nominations, with documentation, for these external awards to the Awards Committee for consideration.

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:

1. 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.
2. 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 career, and whose influence has contributed notably to the advancement of Canadian botany.

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 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. A citation of approximately 100 words should accompany the nomination.

B.C.C. Gold Medal

The Gold Medal of the Biological Council of Canada will normally be awarded to a member of one of the constituent societies of B.C.C. for outstanding contributions to the advancement of Biology in Canada. Such contributions can be scholarly or significant service to national agencies, institutions and societies. Nominations must include a citation and supporting documents including a list of the nominee's publications and up-to-date curriculum vitae.

A nomination will stand for 3 years, but should be revised annually.

John and Alice Tyler Ecology/Energy Prize

This international prize is awarded to individuals or organizations for outstanding achievements benefiting mankind. Nominees can be associated with any field of science. Organizations nominated can be universities, foundations, corporations or other types of organizations.

Prizes are awarded for the protection, maintenance, improvement and understanding of ecological and environmental conditions anywhere in the world; or for the discovery, further development, improvement or understanding of known or new sources of energy. Nominations must include the name and address of the nominee (or administrative office of an organization), summary of accomplishment, detailed description of the contribution (include publications or other evidence), and 3 letters of recommendation plus the names of 3-5 further referees. Nominations will stand for 2 years.

Nominations for any of the above Awards should be submitted to the Chairman of the CBA/ABC Awards Committee before December 31, 1983, with all necessary documentation:-

Dr. W. George Barker
Department of Biology & Genetics
University of Guelph
Guelph, Ont N1G 2W1

CALL FOR NOMINATIONS OF OFFICERS AND DIRECTORS FOR CBA/ABC 1984-1985

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

1. President-Elect (1984-1985)
2. Secretary (1984-1986)
3. 3 Directors (1984-1986)

In accordance with By-law 14, one of the 3 Directors must reside east of the Ontario-Manitoba Provincial boundary.

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, 1983, to the Secretary of the Association:

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

On behalf of the Nominating Committee.

James H. Soper, Chairman

CBA/ABC BOARD MEETING NOTES

The Board of Directors held two meetings at Grand Forks. Following are extracts from the Minutes of these meetings.

At the first meeting on August 7 (J.H. Soper presiding), it was announced that discounts to all NRC journals will be available to CBA/ABC members. The year's most important event was the donation of \$10,000 by Miss Matilda Weresub to establish a prize in Mycology in honour of her sister Luella. Terms of reference for the Award have been established, and Dr. W. Bryce Kendrick will chair the first Award Committee. The President of CBA/ABC will be an ex-officio member.

The Secretary reported that the Fall Conference Telephone Call is still the cheapest way to conduct the mid-year meeting. CBA/ABC has received tax-exempt charitable status — the Directors requested that Charles Beil of Thorsteinson & Associates, Vancouver, be thanked for making the application and for donating his time to CBA/ABC. The Secretary continues to receive requests for career information, and now has English and French versions of a one-page "Careers in Botany".

The Treasurer's Report was discussed, and a motion passed that "CBA/ABC establish a policy that travel expenses of Directors not be paid unless the Board of Directors makes a specific authorization in advance". The Treasurer had received the latest financial statement (October 27, 1982) from B.C.C. and was concerned that over three-quarters of total expenditures was for travel and hospitality costs. The President-Elect was requested to contact B.C.C. with our concern, and to ask for justification of the travel costs.

J.S. Rowe, Vice-President, reported satisfaction at the high profile of CBA/ABC in the program at Grand Forks, but suggested that we should consider not awarding the Lionel Cinq-Mars Awards at international meetings.

The Editor of the *Bulletin* reported that costs were generally rising but the mailing to local "posties" had resulted in a 33% saving in postal expenses. The cost per member for July 1982 to June 1983 was just under \$8.00.

The Archivist reported by letter that the Society files were ready to go to the National Archives of Canada. The Directors approved a motion that "the original of the George Lawson Medal be deposited in the Archives". This will be done as soon as it is possible to get hand delivery from Vancouver to Ottawa, as the original is too fragile to be entrusted to any other means of transport.

In other business, it was recommended that an "Awards Operation Manual" be drafted to help future Awards Committee members. The Society has received a letter from the Executive Director of AIBS seeking increased liaison.

At the second meeting on August 11 (W. George Barker presiding), the problem of a budget for the Conservation Committee was discussed. This is presently one of the more active sub-committees. It was decided that some money will be made available for out-of-pocket expenses, but advance authorization by the President and the Treasurer will be required.

The Board of Directors accepted an invitation to hold the 1988 Annual Meeting in Victoria,

issued jointly by the B.C. Provincial Museum and the University of Victoria. It was suggested that the possibility of a joint meeting with the Botanical Society of America be explored for 1989, possibly in Ontario.

The Board tabled a motion that the Lionel Cinq-Mars Award not be made when CBA/ABC meets outside Canada.

The Directors passed a motion that "CBA/ABC members who have already paid \$7.00 for B.C.C. as part of their fees to another society be allowed to deduct this from the \$27.00 paid to CBA" (one abstention). As a result, CBA/ABC will transfer to B.C.C. only the monies that it receives, as do several other societies.

The President-Elect will coordinate a membership drive, including approaches to ex-members. The initial target is 50-60 new members.

Dr. A.R.A. Taylor of the University of New Brunswick and Local Organizing Chairman for the 1984 Annual Meeting was appointed Vice-President for 1983-84.

The Awards Committee will now be responsible for awarding the George Lawson, Mary E. Elliott and Luella Weresub Awards within CBA/ABC, and for forwarding nominations from the Association for the B.C.C. Gold Medal and the Tyler Prize in Ecology and Energy to the appropriate entities.

NEWS FROM THE SECTIONS

Ecology Section

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

Secretary:

General Section

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

Secretary:

The Section intends to sponsor a symposium on Balsam Fir, a workshop on micro-computers and possibly some palaeobotanical activity at the 1984 Annual Meeting in Fredericton.

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 Plenary Address of the 34th Annual AIBS Meeting in Grand Forks was given by Dr. Karl Maramorosch, distinguished plant pathologist and professor of microbiology at the Waksman Institute of Microbiology, Rutgers, and recipient of the AIBS Distinguished Service Award. He delivered an informative and entertaining address on "Newly Recognized Plant Pathogens: Impact on Ancient and Modern Civilizations". He suggested that corn stunt mycoplasma disease may have contributed to the decline of Mayan civilization and traced the development of sugar cane industry in Cuba from the destruction of coconut palms by mycoplasma.

Mycological papers were presented in the Microbiological Session of BSA and CBA/ABC.

Several mycological papers on endotrophic mycorrhizae and ectomycorrhizal fungi were given in the sessions and symposia of the Ecological Society of America. It seems that the field ecologist is beginning to think twice when he kicks the "lowly" toadstool.

The Luella K. Weresub Memorial Lecture sponsored by CBA/ABC was delivered by Kris Pirozynski of the National Museum of Natural Sciences in Ottawa. The title of his talk was "Fungi as Botanists", and he used the mycorrhizal association as an example of co-evolved biotrophic relationships with vascular plants. He discussed their significance in recognizing taxonomic groupings based on physiological, biochemical and ecological characters that supplement traditional systematics based on morphology. A text of his lecture will be published at a later date.

At the business meeting and luncheon on August 11, 1983, it was resolved that the Section would put more effort into organizing general interest symposia to acquaint other botanists with the fungi. Topics such as mycogeography, co-evolution, mycorrhizae, etc. were discussed for the Annual Meeting in Fredericton in 1984. Further suggestions and comments are welcome, and should be sent to James Traquair as soon as possible.

Phycology Section

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

Secretary: Pamela Stokes, Inst. for Environmental
Studies, Univ. of Toronto,
Toronto, Ont M5S 1A4

Members: Ken Nicholls, Limnology Sect., Water
Resources Branch, P.O. Box 213,
Rexdale, Ont M9W 5L1
Alan Austin, Dept. of Biology, Univ.
of Victoria, Victoria, B.C. V8W 2Y2

A major membership drive is to be launched by the Section.

Structure & Development Section

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

Secretary:

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

Members: George W. Argus, Jacques Cayouette,
C.C. Chinnappa.

J.H. Soper submitted a report on the National Repository for Floristic Checklists to the business meeting in Grand Forks. Two published and three unpublished lists were received during the year from July 1, 1982, to July 1, 1983, and there are now 95 entries on file. Two requests for information were received during the period. Dr. Soper wished to retire from the committee, Erich Haber (CAN) and Paul Catling (DAO) will remain as committee members, with Dr. Catling acting as chairman.

G. Argus submitted a report on the Rare and Endangered Plants Project. David White has resigned, but a replacement will be with the project by fall 1983. Part 2 of the Atlas of Rare Vascular Plants of Ontario has been published

and is available on request, Part 3 is near completion. The Rare Vascular Plants of Quebec is in press, and the Rare Vascular Plants of New Brunswick is at the typesetter. Gerald Straley (UBC Botanical Garden) is working on the compilation of the Rare Vascular Plants of British Columbia.

J. McNeill reported on the status of the Committee for the floristics of temperate North America (Canada and U.S.A.). Within the last few weeks Peter Raven, Director of the Missouri Botanical Garden, has stated that the Garden should devote significant resources to the FNA program. This will provide the secure institutional base and commitment necessary to present a sound proposal to for funding to NSF. Therefore, this announcement by Dr. Raven is taken as an encouraging signal that progress on the flora project will gain momentum.

Suggestions for symposium topics at the 1984 Annual Meeting in Fredericton include the Endemics of the Atlantic Region and Islands. Suggested field trips were: Magdalen Islands, St. Pierre and Miquelon, Anticosti Island, islands of Nova Scotia, Kouchibouguac National Park, and the Saint John River. Please send additional suggestions for symposia and/or field trips to Keith Denford as soon as possible.

CBA/ABC 1984 ANNUAL MEETING

The CBA/ABC 1984 Annual Meeting will be held in Fredericton, N.B., June 24-27.

Keep next year's annual meeting in mind; general preliminary information was published in the CBA/ABC *Bulletin*, Vol. 16(1):4 (Jan. 1983). Program information, registration and accommodation forms, and a call for papers will be included with the January 1984 issue.

The main symposium will be on Development in Woody Plants. The speakers will be Dr. Phillip Larsen, U.S.D.A. Forest Service, Rhinelander, Wisconsin; Dr. John Owens, Univ. of Victoria, Victoria, B.C.; and Dr. P.B. Tomlinson, Harvard Univ., Cambridge, Massachusetts.

It is possible that there may be the addition of a paper on roots to this symposium.

For more information please contact: CBA/ABC Fredericton Meeting, Univ. of New Brunswick, Bag Service #45111, Fredericton, N.B. E3B 6E1

A.R.A. Taylor, Chairman
Organizing Committee

FUTURE MEETINGS OF CBA/ABC

- 1984 — Fredericton, N.B., June 24-27
- 1985 — London, Ont, June 23-29
Canadian Congress of Biology
(B.C.C. Sponsored Meeting)
- 1986 — Sudbury, Ont, date not yet known
See Membership Poll with this issue
- 1987 — Montréal, Qué, June 14-18
- 1988 — Victoria, B.C., date not yet known
- 1989 — Open
Suggestions and/or invitations would be welcomed by the President or the Secretary of the Association.

TREASURER'S REPORT

1. Attached is the audited financial statement for the fiscal year 1 June 1982 to 6 July 1983.
2. There are 370 paid-up memberships for calendar year 1983, involving 1 Life Member, 285 Regular, 59 Student and 25 Retired Members.
3. Revenue from memberships is up by about \$1000 (excluding the Life Membership fee). The fee increase is primarily responsible, and has offset any drop in membership.

4. The Weresub Fund is kept in a separate account and must not be merged with other CBA/ABC monies. The interest accrued may be used for the Mycology prize. No prize is being made in 1983.
5. A separate term deposit has been established to fund the George Lawson and Mary E. Elliott Awards. It is intended to use the interest from this deposit for the Awards.

CANADIAN BOTANICAL ASSOCIATION/L'ASSOCIATION BOTANIQUE DU CANADA

FINANCIAL STATEMENT FOR FISCAL YEAR 1982/83

<u>BALANCE OF FUNDS</u> - June 1, 1982	\$11,682.17
<u>INCOME</u> - June 1, 1982 to July 6, 1982	\$30,156.84
	\$41,839.01
<u>EXPENDITURES</u> - June 1, 1982 to July 6, 1983	\$13,841.71
<u>BALANCE</u> - July 6, 1983	\$27,997.30

INCOME BREAKDOWN

Membership Dues	
Life	\$ 400.00
Regular	6,013.86
Student	604.77
Retired	250.00
	\$ 7,268.63
B.C.C. Subsidies	2,094.40
Canadian J. Botany subscriptions	3,136.00
CBA/ABC Bulletin	328.00
Conferences	3,771.27
Interest (excluding Weresub Fund) ...	1,122.41
T-shirt Sales	185.00
Membership List Sales	109.78
Miscellaneous	23.99
Weresub Memorial Fund Donations	11,600.00
Weresub Memorial Fund Interest	517.36
	\$30,156.84

EXPENDITURES BREAKDOWN

Administrative Costs	1,934.16
B.C.C. Tax on Membership	2,086.00
Canadian J. Botany subscriptions	3,198.00
CBA/ABC Bulletin	4,190.86
Conferences	1,075.64
Awards	404.93
Executive Travel	607.22
Stephen Hales Memorial contribution .	200.00
Bank Charges	17.90
Other	127.00
	13,841.71

RECONCILIATION

Assets	
Term Deposit	10,179.39
(Lawson & Elliott Awards)	
Savings Account	5,318.46
Current Account	1,506.23
Weresub Fund term certificate	12,117.36
	29,121.44
Liabilities	
Cheques Outstanding	1,124.14
	1,124.14
Net Surplus	\$27,997.30

Guy R. Brassard, Treasurer

IV. ONTARIO

The Editor has received information that the listing for the University of Western Ontario in the July 1983 CBA/ABC *Bulletin* (Vol. 16(3):29) was incorrect. The correct listing is printed below.

UNIVERSITY OF WESTERN ONTARIO (P.B. Cavers)

Algae

Lewis Brown — physiological adaptations of algae to salinity; Acidic precipitation as a factor in the physiological ecology of freshwater algae.

Bryophytes

Frank Cook — distribution and ecology of Ontario mosses.

Fungi

Marc-André Lachance — ecology of yeasts associated with injured plants. Ecology of xylose fermentation in yeasts. Molecular systematics and evolution of yeasts.

Michael Butler — M.Sc. student. Investigation of the biochemical basis of yeast ecology, particularly the role of the yeast cell wall in yeast ecology.

Deborah Sidenberg — Ph.D. student. Investigating speciation in natural yeast populations with special emphasis on the genus *Kluyveromyces*.

Lichens

Dianne Fahselt — chemosystematics of lichens. Intrapopulation differences in levels of secondary products, isozyme variation.

Cecilia Hageman — the evaluation of systematic relationships within the lichen family Umbilicariaceae through the use of isozyme characters.

Vascular Plants

Paul Cavers — continuing studies of the ecology of weeds. Largest current project is a study of proso millet, *Panicum miliaceum*, with emphasis on seed production, dispersal, seed populations in the soil and variation within the species. Also looking for intra-specific variation in response to herbicides.

Diane Benoit — just completing Ph.D. on the seasonal changes in seed banks of triazine-resistant and triazine-susceptible *Chenopodium album* in arable soils in Ontario.

Marguerite Bough — working with Paul Cavers on the ecology, systematics and control of proso millet, *Panicum miliaceum*. Comparisons of different biotypes including crop varieties, crop-type weeds and the black-seeded weed are featured.

Dan Broderick — taking a 1-year sabbatical from Ph.D. research on populations of *Solanum dulcamara* (with Paul Cavers) to work for Parks Canada at Kouchibouguac, N.B.

Rudy Brown — completing a Ph.D. this year with Paul Cavers on the performance of velvet leaf (*Abutilon theophrasti*) at the northern edge of its range.

Brenda Frick — new Ph.D. student with Paul Cavers.

Steve McCanny — Ph.D. student. An empirical analysis of seed dispersal in an annual plant species. Examination of the correlation of plant height, lateral displacement, and secondary chemistry with dispersal distance.

Clarence Swanton — Ph.D. student. Biological aspects of *Helianthus tuberosus*.

Paul Threadgill — Ph.D. student. Investigations in the "biennial" life cycle strategy.

Robert Jancey — geographic variation in *Pinus contorta* and multivariate pattern analysis.

László Orlóci — continuing work in mathematical ecology; active in international education and research programmes; new book on data analysis (with Norm Kenkel) is nearing completion.

Peter H. Fewster — completing Ph.D. under L. Orlóci. Studying various mathematical models as they relate to plant ecology. Topics include computer simulation, regression, and non-linear predictive ordination.

Norm Kenkel — Ph.D. student with L. Orlóci. Studying a sandy outwash plain ecosystem in boreal Ontario. Aspects of gradient analysis, vegetation-environment correlation, sampling problems in vegetation analysis, statistics and multivariate analysis are major topics of interest.

S. Shahid Shaukat — Ph.D. student. Approaches to the analysis of weed communities in an urban environment, with emphasis on methodology.

James Phipps — Taxonomic and evolutionary studies in *Crataegus* (Rosaceae) hawthorns worldwide. Breeding systems, frequency of apomixis, significance of hybridization events in *Crataegus* evolution. Vicariance biogeography cladistics and evolutionary rates.

Timothy Dickinson — just completed a Ph.D. on phenotypic variation and variability in Ontario *Crataegus crus-galli*, in relation to reproductive behaviour.

Paul Smith — Ph.D. student. Examination of the relationship between facultative agamospermy (and associated polyploidy and hybridization) and complex patterns of morphological variability in the evolution of *Crataegus* series *Rotundifoliae*.

Thomas Wells — M.Sc. student with J. Phipps.

Flemming Ulf-Hansen — M.Sc. student. Causes of population crashes and explosions in eastern North American *Crataegus*.

Sand Dune Ecology

M. Anwar Maun — ecology and population biology of plants growing on Lake Huron sand dunes. Plant/insect interactions. Recolonization of sand dunes denuded of vegetation.

Lynda Olson — Ph.D. student. Exploration of herbivory, fitness and allelochemical defenses of *Cakile edentula*.

Felicite Stairs — Ph.D. student. Population differentiation in life history characters among *Artemisia campestris* populations.

Irene Westelaken — M.Sc. student. Some aspects of the population dynamics of *Lithospermum carolinense*.

INTERNATIONAL ORGANIZATION OF PLANT BIOSYSTEMATISTS - REORGANIZATION

The International Organization of Plant Biosystematists (IOPB) was founded in 1960 to promote international cooperation in the study of biosystematics. The IOPB acts on several levels, from coordinating and publishing information on biosystematics to arranging conferences. The IOPB is open to all persons working or interested in the field of biosystematics. The history and past activities of IOPB have been given in Taxon 31:386-387 (1982).

The IOPB Council recently reached the conclusion that IOPB should exist independently of its parent organization, the International Association for Plant Taxonomy (IAPT). A membership list for IOPB has not been kept up-to-date since 1974. Many of you may have thought that you were already members, but this is not true. Membership in IOPB is no longer automatically bestowed with IAPT membership.

All plant biosystematists are invited to join the new IOPB by sending your name, address and \$25.00 U.S. to the Secretary/Treasurer at the address below. The membership dues cover the full period between International Botanical Congresses. Once enrolled, you will receive the Newsletter and other mailings of the IOPB. The Newsletter will contain useful information about other members, meetings, and other facts that modern biosystematists should know.

Don't delay, register today!

Send your name, address and dues to: Dr. Liv Borgen, IOPB, Botanical Garden and Museum, University of Oslo, Trondheimsvn. 23B, Oslo 5, Norway.

John C. Semple
Council Member, IOPB
Univ. of Waterloo

IOPB 1983 CONFERENCE, MONTREAL

The International Organization of Plant Biosystematists (IOPB) 1983 Conference was held in Montreal, 17-21 July. More than 100 scientists from 17 countries met to hear and discuss 40 papers presented as part of the Symposium "Plant Biosystematics: 40 Years Later" sponsored by IOPB. All aspects of modern biosystematics were covered with papers dealing with both historical perspectives and the most recent advances in techniques being presented. All the papers will be published in a book edited by Dr. William Grant, Chairman of the IOPB Executive Council.

The quality of the papers presented was high, perhaps most significant (to this cytotaxonomist, at least) were the papers dealing with chromosome pairing and evolution of the karyotype. The data indicated that some review of well-established ideas about homology must be undertaken. Overall, a combination of techniques and collaboration among several specialists were suggested as necessary to solve difficult biosystematic problems. Traditional topics, such as the definition of the term "species", also were considered, and these generated some lively debate.

The conference was held on the campus of McGill University and included a tour of the Jardin botanique de Montréal. Both institutions did an excellent job in providing a suitable setting in which to discuss some very difficult questions.

During the meetings, the IOPB council met and determined that it was necessary for the organization to function independently of its parent organization IAPT. IOPB will maintain its own membership list and will be publishing a newsletter in the near future. Council member Dr. Krystyna Urbanska will edit the newsletter (Geobotanisches Institut, E.T.H., Zurichbergstr., CH-8044, Zurich, Switzerland).

It was pointed out to all participants at the conference that, technically, no-one was a member of IOPB!

Dr. Urbanska has offered to host the next IOPB Conference in Zurich in 1987, either shortly before or after the International Botanical Congress in Berlin. It will be worth the travel costs!

All who helped to prepare and run the Montreal IOPB 1983 Conference are to be congratulated for a job well-done.

John C. Semple
Univ. of Waterloo

Editor's Note: The Editor has received an announcement of the publication of the papers presented at the IOPB 1983 Conference. The proceedings will be published as Plant Biosystematics, edited by William F. Grant, by Academic Press Canada. The projected publication date is December 1983, and the cost is \$39.50 Can. More information can be obtained by contacting: Academic Press Canada, 55 Barber Greene Road, Don Mills, Ont M3C 2A1. There is a 25% pre-publication discount off the published price.

GUELPH HONOURS SCIENTIST

On Friday October 7, 1983, the University of Guelph awarded an honorary D.Sc. degree to Dr. F.C. Steward, Professor Emeritus at Cornell University. Dr. Steward, an eminent plant physiologist, was born in Yorkshire in 1904 and obtained his B.Sc. Hons. (Chemistry) and Ph.D. (Botany) degrees at the University of Leeds. He received Rockefeller Fellowships to study and work in the United States in 1927-29 and 1933-34. He moved to the Botany Department at the University of Rochester in 1947 and to Cornell University in 1950, retiring in 1973.

IN MEMORIAM

We regret to announce the death of Dr. T.M.C. Taylor, Professor Emeritus of Botany at the University of British Columbia, in Victoria, B.C., on August 6, 1983, at the age of 79. "Tommy" Taylor was Head of the Department of Biology and Botany at UBC from 1954-1963, retiring in 1968 and moving to Victoria. Dr. Taylor continued his membership in CBA/ABC until his death.

An appreciation of Dr. Taylor will appear in the next issue of the *Bulletin*.

FEDERAL GOVERNMENT HIRING POLICY FOR SCIENTISTS

The Secretary of CBA/ABC recently received a copy of a letter sent to the President of BCC, G. Robin South. The letter, from the Director of the National Capital Region Staffing Office, also included a questionnaire on the functions of newsletters issued by BCC member associations. This was as a result of the BCC Statement of Hiring Policy for Scientists in the Federal Government. Some quotations from the letter may be of interest to members.

"..... As you point out, we maintain an inventory of qualified applicants, which is used to staff vacancies as they occur. This approach is taken because it is neither practical from a time required, nor cost-efficient to advertise each position as it becomes available. We are, however, looking for ways to improve our approach to inventory management, in particular our methods for attracting needed well qualified candidates.

In this regard, I wish to accept your offer of assistance and would ask that your council and its member associations complete the enclosed questionnaire. It is expected that this information will permit us to have closer contact with your member professionals.

In particular, should advertising become a necessity, we would be most appreciative of utilizing council newsletters or journals and other specific publications recommended by your organization.

In an effort to ensure that our inventories contain a high level of well qualified candidates, we invite your members to provide us detailed resumé to review and consider for inclusion in our system. This should assist us in making immediate referral to departments as vacancies occur."

Members interested in providing resumé or in obtaining the brochure "Joining Canada's Public Service" should contact: National Capital Region Staffing Office, Staffing Branch, Public Service Commission of Canada, Ottawa, Ont K1A 0M7.

Note that first consideration is given to Canadians for all positions.

INTERNATIONAL MEETINGS

Two dates to mark down in your diary! More information may be obtained by contacting the addresses given.

ICSEB III, 3-10 July, 1985, University of Sussex, U.K. Contact: Prof. C.B. Cox, Zoology Dept., King's College, Univ. of London, Strand, London, WC2R 2LS, U.K.

XIVth International Botanical Congress, 24 July - 1 August, 1987, Berlin. Contact: Botanisches Museum Berlin-Dahlem, KÖnigin-Luise-Str. 6-8, D-1000 Berlin 33, FRG.

POSITIONS AVAILABLE

Université de Montréal, Montréal, Québec

Professeur de génétique, Département de Sciences biologiques

Niveau: adjoint, agrégé ou titulaire.

Qualifications: Ph.D. ou équivalent, de préférence avec expérience postdoctorale.

Enseignement: Le candidat devra enseigner en français, un cours de (1er cycle) de Génétique générale à des grands groupes. Il devra créer un cours de 3 crédits de niveau B.Sc. III et mettre sur pied un programme de 2e et 3e cycles dans sa spécialité.

Recherche: Le candidat devra pouvoir innover dans le domaine de la Biotechnologie (Génétique moléculaire, mutagenèse, hybridation somatique). Plus précisément il serait souhaitable qu'il s'intègre à l'équipe du Laboratoire de Culture des tissus végétaux de l'Institut Botanique.

Envoyer avant le 1er décembre 1983, un curriculum vitae, un sommaire des intérêts de recherche et les noms de 3 répondants à: Prof. Pierre Couillard, Département de Sciences biologiques, Université de Montréal, C.P. 6128, Succ. "A", Montréal, Qué. H3C 3J7, Canada.

University of Ottawa, Ottawa, Ontario

Research Assistant in Plant Taxonomy and Biosystematics — A position is available for a well-qualified assistant for research on weed biosystematics and on principles and methods in numerical taxonomy. The appointment will be made as soon as possible and the position will be available for at least 2 years.

Candidates should have or be about to complete a Masters degree in plant taxonomy and possess an excellent academic record. Very exceptionally a candidate with an Honours B.Sc. specializing in plant taxonomy may be considered. Experience in the biosystematic techniques involved in chromosome studies, hybridization experiments, etc. is important, as is experience in some of the following: scanning electron microscopy, computer programming, phenolic chemistry, and herbarium practice and procedures.

The salary will be between \$14,500 and \$18,000 depending on qualifications and experience.

In accordance with Canadian immigration requirements, this notice is directed to Canadian citizens and permanent residents of Canada.

Suggestions of possible candidates or letters of application, which should include the names of two persons to whom reference may be made, should be sent as soon as possible to: Dr. John McNeill, Department of Biology, University of Ottawa, Ottawa, Ont K1N 6N5. (613-231-2336)

FUTURE MEETINGS

Annual Ontario Ecology and Ethology Colloquium, University of Waterloo, April 22-24, 1984. Contact: OEEC, c/o Dept. of Biology, Univ. of Waterloo, Waterloo, Ont N2L 3G1

Association for Biology Laboratory Education (ABLE), Memorial University of Newfoundland, June 11-15, 1984. The 6th Annual Conference Workshop. Contact: Cynthia Brown/Karen Morris, Memorial University, St. John's, Nfld A1B 3X9

CBA/ABC has received tax-exempt status as a registered charity. This is as a result of the efforts of Charles E. Beil of Thorsteinson and Associates, Vancouver (and an ex-member of CBA). The Treasurer has the Registered Charity Number, and this will be printed on all receipts issued in future. The tax-exempt status is back-dated to January 1, 1983.

The Association is presently taking professional advice on the benefits accruing to individual members as a result of the tax-exempt status, and on how to obtain them. This information will be published in the *Bulletin* as soon as possible.

MEMBERSHIP RENEWAL

Membership renewal forms will be sent out to all members in November. If you have not received a renewal form by the beginning of January 1984, please notify the Treasurer at once: Dr. Douglas Davidson, Dept. of Biology, McMaster University, Hamilton, Ont L8S 4K1

The 4-page insert included with this issue is intended as part of the membership drive headed by the President-Elect, Gerry Mulligan. Please pass it on to someone you think should be a member of CBA/ABC — especially someone who has let a membership lapse or new graduate students.

NEW PUBLICATIONS

THE PLANT PRESS is a new newsletter for field botanists of Ontario, aimed at improving communication between professional and amateur botanists in the province, especially people with environmental interests. The subscription rate is \$10 for 1983, and is expected to remain the same for 1984. For further information contact: THE PLANT PRESS, Box 537, Streetsville Postal Station, Mississauga, Ont L5M 2C1

ASCENT is a publication of the Atomic Energy of Canada, published quarterly (available in either French or English). The journal may be obtained (apparently free) from: The Editor, ASCENT, Atomic Energy of Canada Ltd., 130 Adelaide St. W., Suite 718, Toronto, Ont M5H 3P5

PRELIMINARY DIRECTORY OF LIVING PLANT COLLECTIONS OF NORTH AMERICA is a publication of the American Association of Botanical Gardens and Arboreta (AABGA). It is a compilation of data on the living plant collections of 58 North American botanical gardens and arboreta. It should prove to be a useful tool for plant scientists and horticulturists. Price: \$15 US + \$1 postage & handling, softcover. For further information contact: AABGA, P.O. Box 206, Swarthmore, PA 19081.

BOOK REVIEWERS WANTED

I have received several books to review, but require reviewers, particularly interested in the following: a book in French on how to survive in the wild; a philosophical botanical book; and an interdisciplinary study of 60 papers (in both English and French) on the Hudson and James Bays. Please contact the Editor if you can help.

Dr. Karen L. Johnston was presented with a Manitoba YWCA "Women of the Year" Award at a ceremonial dinner in the Westin Hotel, Winnipeg, on May 11, 1983. The Award was in the Professional Category. Karen was highly recommended for her progress in science at a time when relatively few women were entering science, and congratulated for her provision of an exemplary role model. She was also highly commended for her dealings with the public in the areas of Botany and Ecology, and thanked for her outstanding efforts in the preparation of the Boreal Forest Gallery at the Manitoba Museum of Man and Nature, where she is presently Curator of Higher and Lower Plants.

New Members

Céline Boutin, Dép. Biologie, Univ. Laval, Québec, Qué G1K 7P4 (S)
M.A. El-Bayoumi, Fire Science Centre, Univ. of New Brunswick, Fredericton, N.B. E3B 5A3 (R)
W.R. Remphrey, Dept. Forest Resources, Univ. of New Brunswick, Fredericton, N.B. E3B 6C2 (R)

Address Changes

John F. Bain, Dept. of Plant Science, Macdonald College, Ste. Anne de Bellevue, Qué H9X 1C0
Gretchen de Boer, 75 St. Andrew's Ave., Welland, Ont L3B 1E3
Robin Day, Biology Dept. Univ. of Ottawa, Ottawa, Ont K1N 6N5
Victor J. Liefers, Dept. of Forest Science, Univ. of Alberta, Edmonton, Alta T6C 2P6
A. Randall Olson, Dept. of Biological Sciences, Univ. of Lethbridge, Lethbridge, Alta T1K 3M4

NEXT ISSUE

The next issue will contain the Québec listing for Systematics and Phytogeography; the listing of CBA/ABC officers and award winners since 1965; the Conservation Committee report; and much much more.

The Bulletin of the Canadian Botanical Assoc.

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

Issued quarterly in January, April, July and October, and sent to all members of the Association. Non-members may subscribe at a price of \$20.00 p.a. (\$5.00 per issue) post free. Cheques of money orders (in Canadian funds ONLY) should be made payable to "The Canadian Botanical Association" and addressed to the Editor.

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

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

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