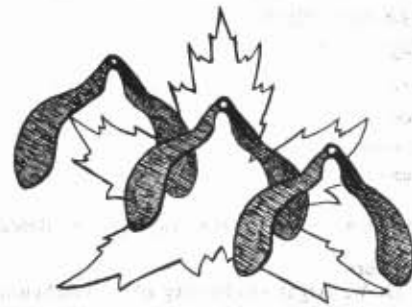


BULLETIN

L'ASSOCIATION BOTANIQUE DU CANADA



Volume 1 Number 3

July 1968

Vancouver

ANNUAL MEETING REPORT

Over 150 Botanists met at Lakehead University, Port Arthur, Ontario for the 4th Annual CBA-ABC meeting June 11-15. This was the first time since the 1965 founding meeting in Ottawa that the Association has met independently. Although the weather tried to foul arrangements by washing out roads, creating mud, and keeping airplanes from arriving as scheduled, local Chairman D. R. Lindsay executed a most successful meeting.

In addition to the usual pre- and post-conference field trips, two mid-conference trips were scheduled and both were well-attended. The post-conference trip to the bog between the Seine and English Rivers was highlighted by an airlift over the mire, courtesy of the Ontario Government.

Four symposia were held in which 26 papers were presented. In addition, an equal number of contributed papers were given on the variety of botanical subjects. Each section attending the meeting held its annual business meeting (see p. 12 for further details).

Other activities of the meeting included the President's Reception hosted by Lakehead University, the Annual Banquet, and innumerable social hours at the residence and motel. The miniature forest, complete with stream and tricky bridge (especially in high heels), created in the Great Hall of the University Centre served as an attractive backdrop and conversation piece for several activities. It was obviously an ecological reserve (though not a natural area) as collecting was not in evidence. The banquet was relaxed and featured entertainment from the recollections of Dr. R. D. Gibbs (McGill) to a specially arranged talent that involved more biology than botany! Dr. Gibbs kept the audience enthralled for 43 minutes (his timing) with his exploits through, "Forty years in Research - Mostly Fun".

Many business items were transacted at both Executive Committee Meetings and the Annual General Meeting. At present there are over 400 active members of the Association and it is the third largest member of the Biological Council of Canada (BCC). The fees for regular members of CBA-ABC will probably rise to \$6 to include the Biological Council fee, but this cannot be accomplished until the new Constitution and By-laws are approved by the membership. It is hoped that such approval will be accomplished by September 1, but there may be some delay resulting from the postal workers strike. However, upon receipt of the new Constitution, the membership is asked to examine it and vote.

The Directory of Canadian Botanists is in preparation and should be completed in the fall. Members who have not responded to the questionnaire should contact immediately Dr. R. J. Moore, Plant Research Institute, Central Experimental Farm, Ottawa 3. A proposal for an award, "for the

excellence of the contribution of an individual to Canadian botany," was approved by both the Executive Committee and the membership. The Committee, to consist of the Association President and 5 others, will consider presenting the first award in 1969 at the International Botanical Congress in Seattle. A discussion of the Education Committee report presented by Chairman A. N. Langford considered the publication of a botanical career booklet. It was agreed to disband the CBA-ABC Education Committee and to cooperate with the Biological Council of Canada in the production of a booklet on careers in biology.

The membership attending the general meeting expressed approval of the *CBA-ABC Bulletin*. A short discussion concerning the nature of contributions and the status of the Editorship was held. Material is acceptable either in French or English and all members are requested to contribute.

The constitution of the General Section was approved by the Executive Committee and it is now a formally recognized Section of the Association. It joins the Ecology, and the Systematics and Phytogeography Sections who have similar status. All of the CBA-ABC Section officers are to serve until 1970 as no Section meetings will be held in 1969 (see below).

There will not be an organized meeting of the Association in 1969 as the International Botanical Congress will meet in Seattle, Washington, in August, 1969. A CBA-ABC banquet is planned during which there may be a general business meeting. In 1970, the annual meeting is presently proposed for Dalhousie University, Halifax. Future meeting places are being contemplated including the possibility of meeting with the Botanical Society of America.

The Resolution Committee, under the chairmanship of W. J. Cody, presented several timely resolutions concerning conservation and nature reserves. In addition the Committee expressed the appreciation of the Association to Lakehead University for hosting the meeting. Particular thanks were expressed to D. R. Lindsay (local chairman) and to Maureen Broadhurst, the Housing Co-ordinator. A further report on the resolutions will be appearing in a later issue of the Bulletin.

The new officers for 1968/69 are: President, J.C. Ritchie; Vice-President, H. M. Dale; Secretary (2 year term), H.R.N. Eydt; Directors (for 2 years), G. W. Argus; M.A.M. Bell; and T. Mosquin.

DATE-LIMITE DU BULLETIN: LE 15 OCTOBRE

The Executive Committee plans to meet October 5 in Ottawa. If you have business or items to present at this time, please contact the Secretary, H.R.N. Eydt, or your nearest Director (see p. 12).

CBA-ABC NEWS**1968/1969 Executive Committee**

President	J.C. Ritchie (Dalhousie University, Halifax)
Vice-President	H.M. Dale (University of Guelph)
Secretary	H.R.N. Eydt (University of Waterloo)
Treasurer	J.H. Soper (National Museum of Natural Science, Ottawa)
Past President	R.L. Taylor (Plant Research Institute, Ottawa)

Directors:

G. W. Argus (University of Saskatchewan); M.A.M. Bell (University of Victoria); L. Cinq-Mars (Université Laval); T. Mosquin (Plant Research Institute, Ottawa); D. B. O. Savile (Plant Research Institute, Ottawa); J. R. Stein (University of British Columbia).

SECTION NEWS - ACTUALITES DES DIVISION

This column regularly carries news as submitted to the Editor by each Section. An asterisk (*) preceding a section name indicates a formally organized and recognized Section.

Sous cette rubrique se trouvera des nouvelles des Divisions. Un Astérisque (*) précédent indiquera une Division formellement reconnue.

The Section officers have been requested by the Executive Committee of CBA-ABC to serve for two years (1968-70) since there will not be a regular meeting of the Association in 1969 due to the XI International Botanical Congress in Seattle, Washington

***ECOLOGY SECTION**

Chairman: J. S. Rowe, Department of Plant Ecology, University of Saskatchewan
 Secretary: P. B. Cavers, Department of Botany, University of Western Ontario

The Section, along with the Systematics and Phytogeography Section sponsored the highly successful Symposium of the Boreal Forest (arranged by J. S. Rowe). In addition, they arranged (under the Chairmanship of V. J. Krajina) the Symposium on Natural Areas and Ecological Reserves.

***GENERAL SECTION**

Chairman: R. T. Riddell, Department of Botany, University of Guelph
 Secretary: W. I. Illman, Department of Biology, Carleton University

The General Section was officially recognized and its by-laws were approved by the Executive Committee of CBA-ABC in June. The new Chairman and Secretary were selected by a mail ballot. In addition, the new Section Executive members elected to serve for 1968-70 are T. A. Steeves, University of Saskatchewan (past Chairman of the Section); A. A. Wellwood, Waterloo Lutheran University; R. I. Greyson, University of Western Ontario; and K. F. Best, Research Station, Swift Current.

MYCOLOGY SECTION

Chairman: D. M. MacLeod, Insect Pathology Research Institute, Sault Ste. Marie

No new Executive was chosen at the annual meeting but Dr. MacLeod will continue to serve as Chairman. Two Symposia were sponsored by the Section and both were well-attended. The first was concerned with Aspects of Spore Formation and Germination among Fungi, whereas, the second considered Fungal Systematics in the Sixties. In addition, several contributed papers were presented.

Members wishing to affiliate with any Section should write either the Section Secretary (as listed on page 12) or Dr. H.R.N. Eydt, Secretary of CBA-ABC (Department of Biology, University of Waterloo, Waterloo, Ontario.

PALEOBOTANY SECTION

Chairman: G. E. Rouse, Department of Botany, University of British Columbia
 Secretary: Mrs. M. W. Steeves, Department of Geology, University of Saskatchewan

This Section did not meet in 1968 and is still incommunicado!

PHYCOLOGY SECTION

Chairman: R. F. Scagel, Department of Botany, University of British Columbia
 Secretary: R. K. S. Lee, Museum of Natural Sciences, Ottawa

The Executive elected in late 1967 will continue in office until 1970. L. D. Druehl, Simon Fraser University, is the third member of the Executive. It was decided at the Section annual meeting to poll the membership concerning official recognition for the Section. A questionnaire has been circulated and upon receipt of favorable response the Executive will draft a constitution and apply for formal recognition.

Discussion and plans for preparation of a marine algal checklist were considered in some detail. Three geographical areas were established: Eastern (Labrador to Nova Scotia); Western (Bering Sea to British Columbia); and Arctic (Bering Strait to Cape Chidley). Each area will have a compiler with R. K. S. Lee coordinating the total checklist. Further details concerning such are available from either Drs. Lee or Scagel. Preliminary steps toward a freshwater checklist were made by the appointment of H.C. Duthie of the University of Waterloo, as coordinator. Those interested in the freshwater forms should contact Dr. Duthie.

***SYSTEMATICS AND PHYTOGEOGRAPHY**

Chairman: G. W. Argus, Fraser Herbarium, University of Saskatchewan
 Secretary: J. B. Phipps, Department of Botany, University of Western Ontario

The new Executive elected by a large mail ballot also includes R. E. Beschel, Queens University; B. Boivin, Plant Research Institute, Ottawa; L. Cinq-Mars, Université Laval; J. M. Gillett, Plant Research Institute, Ottawa; R. R. Ireland, Museum of Natural Sciences, Ottawa; D. R. Lindsay, Lakehead University; and W. B. Schofield, University of British Columbia. At the annual meeting the Section co-sponsored (with the Ecology Section) the Symposium on the Boreal Forest. During the meeting the Systematics and Phytogeography Section set up in the foyer of the University Centre a report area where the membership could indicate interest in the Section.

PAPER PRESENTATION

At the annual meeting, several comments were made concerning the techniques employed to present papers. The following (from an anonymous source) are listed as a guide of things NOT to do while presenting a paper.

1. Read the paper quickly - the faster, the less the audience understands.
2. Organize the paper at the meal (or, preferably at coffee) just prior to the talk. If it (the paper) is too well organized the audience may understand.
3. Use all the time allotted and at least one-third more. Discussion by the audience is rarely useful.
4. Use "uhm" and "ah" whenever you breathe. It sounds nice and can be rhythmic.

FNAP NEWS

The Editorial Committee of the Flora North America Project held a three-day meeting in Ottawa, May 16-18, sponsored by the National Museum of Natural Sciences. Discussions included the preliminary draft of the contributors guide book, family arrangement, family editorship, generic and species lists, geographical citations, and standard floras and herbaria. A subcommittee composed of R. Thorne (Rancho Santa Anna), A. Cronquist (New York Botanical Garden) and A. Takhtajan (who was unable to attend) worked developing a family system based on their recent works. The Editorial Committee has agreed to use a new system based on the arrangement of families proposed by the subcommittee. Considerable discussion centered around the proposed data bank concept of the FNA. Long range policies were proposed and a revision of budgetary requests will be made of the pending National Science Foundation (U.S.A.) proposal. Information and comments will be welcomed by the Project and should be forwarded to S. G. Shetler, Secretary AIBS-FNA Project, Botany Department, Smithsonian Institution, Washington, D. C. 20560. The Editorial Committee considered the meeting most successful and wishes to express thanks to Dr. A. W. F. Banfield, Director of the Museum, for sponsorship of the meeting.

INTERESTING BOOKS

"Alberta, A Natural History" W. G. Hardy, Editor-in-chief. Published by The Patrons. M. G. Hurtig, Publisher, Edmonton. 1967. (Copyright, Mis-Mat Corp., Ltd., Edmonton).

This colourful volume is a centennial production sponsored by the Patrons who are: Canadian Utilities, Ltd.; Canadian Western Natural Gas Company, Ltd.; Northland Utilities, Ltd.; and Northwestern Utilities, Ltd. Botanical contributions include those by C. D. Bird, University of Calgary, (also a member of the Technical and Advisory Committee) who collaborated with I.A.R. Halladay on "The Cypress Hills", and with his father, R. D. Bird, on "The Aspen Parkland"; G. H. LaRoi (University of Alberta) on the Taiga part of "The Boreal Forest"; and Lorene Kennedy (University of Alberta) on the Aquatic Plant Life section of "Aquatic Life".

CANADIAN JOURNAL OF BOTANY

Members having comments concerning the Canadian Journal of Botany should forward them to the Secretary of CBA-ABC (H. R. N. Eydt, University of Waterloo), or one of the Directors of the Association by October 1. This is for consideration at the fall Executive Committee meeting

ERRATA

Student members of CBA-ABC do NOT pay the \$1 Biological Council of Canada fee. Thus, for only \$2 per year, a student may receive all the benefits of the Association, including this Bulletin! So why not invite a student to join today!

Director Savile's name was spelled correctly in Vol. 1, no. 2; however, his initials were misplaced: D.B.O. Savile is the proper way.

The Mycology Section was misnamed the Mycological Section.

NATIONAL MUSEUMS OF CANADA

Parliament passed the National Museums Act on December 1, 1967, establishing a corporation to be known as the National Museums of Canada governed by a Board of Trustees. The purposes of the Act, "are to demonstrate the products of nature and the works of man, with a special but not exclusive reference to Canada, so as to promote interest therein throughout Canada and to disseminate knowledge thereof." The functions are, "...to collect, classify, preserve and display objects...to undertake or sponsor research...arrange travelling exhibits...publish books and pamphlets...undertake or sponsor programs for training persons in museology...and establish liaison with other museums with a view to collaboration...".

The Act was proclaimed April 1, 1968, and the appointments of the Board of Trustees and senior officers of the Corporation announced by the Secretary of State, the Honourable Judy LaMarsh. Mr. Jean Ostiguy, Montreal, was appointed Chairman of the Board, with Mr. J.R. Longstaffe, Vancouver, as Vice-Chairman. Others named to the Board are: Mrs. Phyllis George, Moncton, N.B.; Dr. Amiot Jolicoeur, Ste. Foy Quebec; David Spurgeon, Toronto; George Heffelfinger, Winnipeg; Mrs. Nina Cohen, Sydney, N.S.; Mme Cécile Marcoux-Baillargeon, Montreal; Dr. J. Tuzo Wilson, Prof. Stephen Vickers, Toronto; and Kiyoshi Izumi, Regina. Dr. W.G. Schneider, President of the National Research Council, and Dr. Jean Boucher, the Director of the Canada Council, serve on the Board. Charles J. Mackenzie, Ottawa, formerly Assistant Secretary of the Treasury Board, was appointed Secretary-General. He will be responsible for the financial and administrative arrangements of the Museums as well as coordinating long-term planning and extension programs.

The Corporation currently comprises five museums situated in Ottawa: The National Gallery of Canada, The National Museum of Man (formerly the Human History Branch of the National Museum of Canada), the National Museum of Natural Sciences (formerly the Natural History Branch), the National Museum of Science and Technology (formerly the Science and Technology Branch of the National Museum), and the Canadian War Museum. Other museums may be established by the Board with the approval of the Governor in Council. On April 1, the appointments of the Museums' directors were also confirmed: Dr. Jean S. Boggs, Director of the National Gallery of Canada; Dr. William E. Taylor, Jr., Director of the National Museum of Man; Dr. A.W. Frank Banfield, Director of the National Museum of Natural Sciences; and Dr. David M. Baird, Director of the National Museum of Science and Technology.

The National Museum of Natural Sciences comprises the Divisions of: Botany under Dr. James H. Soper (which houses the National Herbaria), Mineral Sciences under L. Moyd, Palaeontology under Dr. D.A. Russel, and Zoology under Dr. E.L. Bousfield (including the new Canadian Oceanographic Identification Centre). Three National Research Council Post-doctoral Fellowships in Systematic Biology and Vertebrate Palaeontology are tenable at the Museum of Natural Sciences. A program of automatic data processing methods was initiated this year in 3 selected disciplines. Both the Museum of Natural Sciences and the Museum of Man, in addition to extensive staff research, support University research and graduate training to a modest degree in their respective fields.

The former National Museum of Canada originated with the Geological Survey of Canada in 1842; the National Gallery was established independently in 1880. After a full cycle of administrative evolution, all these institutions have now been united in an independent corporation under the guidance of a widely based Board of Trustees responsible directly to the Secretary of State.

A. W. F. Banfield

PERSONALIA

Clifford J. Anastasiou, University of British Columbia, is one of the faculty members in the summer marine mycology programme offered at the Friday Harbor Labs at the University of Washington. Affiliated with him are *H. C. Whisler* (University of Washington) and *F. K. Sparrow* (University of Michigan).

George Argus, University of Saskatchewan, spent five weeks in the spring visiting various eastern and central herbaria prior to the CBA-ABC Annual Meeting.

Charles C. Davis will move in September from Western Reserve University (Cleveland) to the Biology Department of Memorial University of Newfoundland.

Bruce Fraser, formerly at the University of British Columbia, is presently on the staff at Selkirk College in Castlegar, British Columbia.

J. F. Gerrath completed his Ph.D. at the University of British Columbia and is now an Assistant Professor of Botany at the University of Guelph.

Louis A. Hanic instituted the first summer course in marine phycology at Dalhousie University. The students were almost equally divided with regard to Canadian vs. American, graduates vs. undergraduates, and male vs. female!

Job Kuijt has moved from the University of British Columbia to the University of Lethbridge, Alberta.

A. N. Langford, Bishop's University, is spending the summer at the Rocky Mountain Biological Laboratory in western Colorado. In September he will be on leave-of-absence at the University of California.

Fabius LeBlanc, Université d'Ottawa, presented a paper at the European Symposium on the Influence of Air Pollution on Plants and Animals held in Wageningen, Netherlands. At present he and *Jean-Louis DeSloover*, of Namur University, Belgium, are spending three months surveying the bryophytes of the Gaspé Peninsula.

Len S. Marchand (alternately in Ottawa and British Columbia) is the new Liberal MP from Kamloops, British Columbia, having defeated E. Davie Fulton (former Conservative Cabinet Minister). Mr. Marchand was previously affiliated with the Canadian Department of Agriculture, Kamloops, and the Department of Indian Affairs, Ottawa.

J. R. Maze has moved from the University of Toronto to the University of British Columbia where he is Assistant Professor of Botany.

John McAndrews, Assistant Curator of Geology of the Royal Ontario Museum, holds a cross-appointment as Associate Professor of Botany at the University of Toronto.

Ted Mosquin will be on leave from the Plant Research Institute, Ottawa, from September until June to teach and do research in Systematics at the University of California, Berkeley. He will be substituting for *Robert Ornduff* who is on research leave. This summer Dr. Mosquin is studying pollination biology at Banff, Alberta!

N. W. Radforth is moving from McMaster University to the Biology Department at the University of New Brunswick.

President *J. C. Ritchie* (of CBA-ABC) has moved from Trent University, Peterborough, to Dalhousie University where he is again being acclimatized to the marine habitat.

G. G. C. Robinson has completed a post-doctoral year in Bangor, Wales, and will now settle in the University of Manitoba, Winnipeg.

Taylor Steeves, University of Saskatchewan, has become the new Editor of the *Botanical Gazette* published through the University of Chicago. In September the Steeves family will temporarily (one year) move to Montreal where he will be associated with *E. Rouleau* at the Botanical Institute of the Université de Montreal.

Jan Terasmae, has left the Geological Survey, Ottawa, for Brock University.

Iain E. P. Taylor has been appointed an Assistant Professor of Botany at the University of British Columbia. Prior to this appointment he was associated with the University of Texas.

T. C. Vanderpool received in June the first D.Sc. awarded by the University of Saskatchewan. Congratulations!

C. D. NELSON - 1927 - 1968

The death of Don Nelson from leukemia on June 22, leaves a void in biology that can never be adequately filled. Although seriously ill since February, his death comes as a shock to the scientific and academic community. Born in Stratford, Ontario, he started his teaching career in Ottawa in 1946 upon receipt of a teaching certificate from Stratford Normal School. He taught high school before receiving his B.A. (Honours) from Queens University in 1951. From 1951 to 1955 he received the M.A. from Queens, Ph.D. from Queens and the University of Pennsylvania, served as a research assistant with A.E.C. at Chalk River, and was a Lecturer at the University of Pennsylvania. For the next four years he was associated with the N.R.C. at Ottawa and in 1959 joined the faculty of the Biology Department at Queens. In 1964 he was appointed Professor and Head of the Department at Simon Fraser University (Burnaby, British Columbia) and took up his appointment in July, 1965.

Dr. Nelson's research interests have been diverse and include translocation of organic compounds in plants; mechanisms of photosynthesis; amino acid metabolism; membrane transport in *Nitella*; and primary productivity in forests. He has travelled extensively under the auspices of the National Research Council and has given many invited lectures. He was a Fellow of the Royal Society of Canada, served in several offices of the Canadian Society of Plant Physiologists, and on several N.R.C. committees. In addition he was very active in University, Civic, and Provincial activities.

Don Nelson was a very dynamic person and almost overwhelmed one with his vitality. He had the ability to express interest in others and their work. He would go out of his way to do things for his friends and colleagues with little consideration of himself. Don and his wife Frances were excellent hosts, easily putting their guests at ease. Visitors were treated with especial care and the parties following seminars and meetings were relaxing for all in attendance.

In addition to his wife, he leaves four children, Nancy, Barbara, Beth, and Donald.

NEXT DEADLINE FOR BULLETIN: OCTOBER 15

CBA-ABC Bulletin is published four times a year, in January, April, July, and October by the Canadian Botanical Association-L'Association Botanique de Canada, c/o Department of Botany, University of British Columbia, Vancouver 8, Canada: J. Stein, Chairman Publication Committee.