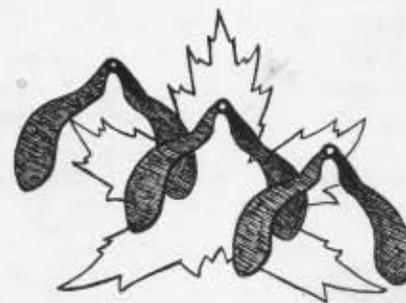


BULLETIN



FOUNDING OF CBA-ABC – A REVIEW

Founded in May 1965, the Canadian Botanical Association – L'Association Botanique du Canada is one of the more recent biological societies in Canada. The development of the Association – L'Association dates to June 1963 when Section III, Plant Biology Subject Division, of the Royal Society of Canada endorsed a report of the Special Committee on Role of Plant Sciences in Canadian Scientific Endeavor. This report recommended the formation of a Canadian botanical society. The recommendation was based on widespread agreement in Canada that a society or affiliation of societies was needed to promote and represent the interests of Canadian botany.

A meeting was convened by R.A. Ludwig (Director, Plant Research Institute, Canada Department of Agriculture) following discussion with P.R. Gorham (National Research Council of Canada), convener of Section III of the Royal Society of Canada. Fifteen botanists in the Ottawa area met February 11, 1964, and adopted a plan to create a botanical organization for those disciplines that were without a Canadian society. The first step in this plan was implemented on March 9, when the Royal Society of Canada sponsored a meeting of 35 representative Canadian botanists to discuss the initiation of the botanical society. Unanimous approval was given to the formation of a botanical organization. A provisional committee (see Appendix I) was appointed and charged as follows:

- 1) To nominate an Advisory Committee for consideration and, if approved, present for ratification at the next organizational meeting to be held June 3 at the annual meeting of the Canadian Society of Plant Physiologists; 2) To arrange for a program at the meeting with papers to be presented by representatives of the major areas of botany on the needs of the new organization; 3) To suggest a suitable name for consideration at the June meeting; 4) To canvass potential members for an expression of support; 5) To provide two representatives at a meeting sponsored by the Canadian Society of Plant Physiologists to be held in Ottawa, March 23, to consider the formation of a Canadian Biological Council.

From March 9 to June 3, the Provisional Committee made preliminary arrangements for a founding meeting. At the same time a program was developed, a provisional list of over 400 botanists was produced, and a draft constitution was prepared.

The June meeting represented the first time in over 100 years that the general botanical fraternity of Canada met as a group. Sixty-eight botanists from 29 institutions and 7 provinces attended. B.N. Smallman, Chairman, Department of Biology, Queen's University, welcomed the group. He indicated it was particularly appropriate for discussions of such an association to take place at Queen's as this was the site of the short-lived Canadian Botanical Society founded through the impetus of Professor George Lawson. The work

of the Provisional Committee was presented and Chairman R.A. Ludwig gave the following statement regarding the needs for a botanical organization:

"The need for an interest in an organization of botanists is greater now than it has been at any time in the past. Canadian botanists were formerly to be found in a relatively few institutions. There are now botanists in almost all of the many universities that have sprung up over the past ten years. This complicates the kind of communication that is so essential to the development of a vigorous science. We need a means of exchanging scientific ideas and of presenting a united voice on matters of common concern. It is the responsibility of botanists to see that their science is developed vigorously and in the best interests of the nation. This can only be done if we create public interest and confidence, encourage support of research and take an interest in our students – in short if we shoulder our full professional responsibilities. The key obviously lies in a strong national organization."

After a discussion of the role of subject areas in the new organization and a draft of the constitution, the meeting approved in principle the formation of a Canadian Botanical Organization. A provisional membership fee was set at \$2 for 1964. The invitation from Carleton University was accepted for the founding meeting in 1965. An Organization Committee was approved. (see Appendix II). In the period from June 1964 to May 1965 a program committee was struck, a roster of Canadian Botanists was published and the constitution redrafted. Much effort was directed toward providing information on the development of the society to botanists.

The Founding Meeting of the Canadian Botanical Association – L'Association Botanique du Canada was held at Carleton University, Ottawa, May 26-28, 1965. The National Research Council subsidized travel for some of the 179 delegates. The program included 4 field trips; an informal evening; a colloquium entitled "The Evolution of Canada's Flora", a banquet addressed by Jacques Rousseau; and a business meeting. Papers presented in the colloquium plus the "Personal Recollections of Frère Marie-Victorin" by Marcel Raymond were later published as a book commemorating the Founding by the University of Toronto Press. The first Executive Committee was elected with R.A. Ludwig as President. (see Appendix III). Six preliminary sections relating to different botanical disciplines met, chairmen appointed (see Appendix IV), and program plans made. The organization envisaged 2 years earlier was a reality.

Since then the CBA-ABC has grown steadily in stature and provides an effective organization for the voice of Botany in National and international affairs. The membership is presently near 450. In retrospect, one must commend the leading role that the Royal Society of Canada played in providing a stimulus for the initiation of the

CBA-ABC NEWS

1968/1969 Executive Committee

President J.C. Ritchie (Dalhousie University, Halifax)
 Vice-President *Hugh* H.M. Dale (University of Guelph)
 Secretary *Bon* H.R.N. Eydt (University of Waterloo)
 Treasurer *Jim* J.H. Soper (National Herbarium, Ottawa)
 Past President: R.L. Taylor (University of British Columbia)

Directors:

Seage G. W. Argus (University of Saskatchewan); *Marc* 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 DIVISIONS

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 – L'Association in 1969 due to the XI International Botanical Congress in Seattle, Washington, U.S.A.

*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 response to the questionnaire recently sent by the Section has been good. However, some members have not replied and are asked to please return their questionnaire immediately. (Consider this, then, a gentle reminder!) Those not receiving a questionnaire and who want to affiliate with this Section should write the Secretary, Paul Cavers. Association members wishing to affiliate with INTECOL (International Association for Ecology – see CBA-ABC Bulletin 2(1): 3) can receive the information sheets and application forms also from Dr. Cavers.

*GENERAL SECTION

Chairman: R.T. Riddell, Department of Botany, University of Guelph

✓ Secretary: W.I. Illman, Department of Biology, Carleton University

*MYCOLOGY SECTION

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

PALEOBOTANY SECTION

Chairman: G.E. Rouse, Department of Botany, University of British Columbia

* Secretary: Margaret W. Steeves, Department of Geology, University of Saskatchewan (temporarily at Université de Montréal)

PHYCOLOGY SECTION

Chairman: R.F. Scagel, Department of Botany, University of British Columbia

* Secretary: R.K.S. Lee, National Herbarium of Canada, National Museums of Canada

*SYSTEMATICS AND PHYTOGEOGRAPHY SECTION

Chairman: G.W. Argus, Fraser Herbarium, University of Saskatchewan

* Secretary: J.B. Phipps, Department of Botany, University of Western Ontario

Nou rappelons que le Secrétaire de chaque Section est prie de transmettre tous les articles au Bureau des Editeurs pour leur insertion and *le Bulletin*. Prochaine échéance: 1^{er} juin.

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

NOMINATION OF OFFICERS – 1969/70

Nominations for President, Vice-President, Treasurer, and 3 Directors are due by June 1, 1969. These should be sent to H.R.N. Eydt, Secretary of CBA-ABC, Department of Biology, University of Waterloo, Waterloo, Ontario. Each nomination must be signed by not less than 6 regular members in good standing and must clearly indicate the proposed office. All nominations must be accompanied by the written consent of the nominee who shall also be a regular member in good standing. The nominating committee consists of R.L. Taylor (University of British Columbia), chairman; R.F. Scagel (University of British Columbia); and Taylor A. Steeves (University of Saskatchewan).

NEXT DEADLINE FOR CBA-ABC BULLETIN: JUNE 1

BOTANICO-PERIODICUM-HUNTIANUM

Published by the Hunt Botanical Library, Pittsburgh, Pennsylvania; 1968. \$30 U.S.F. (order through S-H Service Agency, Inc., 31 East 10th Street, New York, New York 10003)

Botanico-Periodicum-Huntianum is a compendium of some 12,000 titles comprising the world's periodical literature important in the plant sciences, and to historical and bibliographical studies of those sciences. For every title *B-P-H* provides the following: an internationally acceptable unambiguous abbreviation; title, as given on the title-page of the first volume; place of publication of first volume; volumnation and pertinent publication dates; index reference for the title in *Union List of Serials*. In addition, there are more than 12,000 other abbreviations to this literature, as used in standard works and equated to the *B-P-H* abbreviation.

The intent of the present list is to include titles of all periodicals that contain papers of botanical interest. Specialists in the plant science literature of more than 45 language areas have contributed to *B-P-H*. This is especially true for works of oriental and eastern European origin, for which the coverage is most complete.

In addition to the text proper, and the accompanying presentation of its organization, there are two appendices: I) a list of abbreviations of words used in title abbreviations; and II) a list of language equivalents for geographic names to be found in the title or imprint of periodicals treated.

Botanico-Periodicum-Huntianum is edited by members of the Hunt Botanical Library staff: G.H.M. Lawrence, A.F.G. Buchheim, G.S. Daniels, and H. Dolezal. Editorial policies for the volume were established by an Editorial Board composed of J.S.L. Gilmour (Cambridge University); Rogers McVaugh (University of Michigan); and F.A. Stafleu (International Association of Plant Taxonomy, Utrecht).

SCIENCE AFFAIRS

Science Affairs, a quarterly publication of the Canadian Youth Science Foundation for high school students, contains articles on all aspects of science to encourage senior high school students to elect a scientific career. William F. Grant, Department of Genetics, McGill University (Macdonald College), is a member of the Editorial Board and represents the Biological Council of Canada.

Relatively few botanical articles have appeared in past issues. In order to promote career development in Botany, it is suggested that Botanists who have a subject which can be interestingly written and illustrated for senior high school students consider writing an article for *Science Affairs*. The article may be submitted for publication to the Managing Editor, Mr. J. Gossip, Editorial Associates Limited, 1255 University Street, Suite 222, Montreal, Quebec. It is of interest to Botanists that the December issue (No. 4) will be a "Theme Issue" on the Canadian North and a botanical article has been solicited for this issue.

It is hoped to greatly increase circulation of *Science Affairs* in order to attract industrial advertising. Subscriptions (\$4 for 2 years; \$3 for high school students) and a sample issue may be obtained by writing the Promotion Manager at the Montreal address.

William F. Grant.

MEMBERSHIP NEWS

Twenty new members have been recently approved by the Executive Committee. These include those applying from October 1968 through February 1969. The new members are: *T.J. Carleton* (University of Guelph); *M. Courtin* (Laurentian University); *Nancy G. Dengler* (University of Toronto); *Ronald E. Dengler* (Scarborough College); *D.M. Dutchak* (Port Arthur); *J.F. Fisher* (Simon Fraser University); *L.S. Gill* (University of Waterloo); *M. Hashiguchi* (Fort William); *Chiou-Yueh Ho* (University of British Columbia); *E.J. Lakusta* (Calgary); *L.M. Lenz* (University of Manitoba); *J.W. Markham* (University of British Columbia); *Eize Ogata* (Shimonoseki University of Fisheries, Japan); *J.W. Paden* (University of Victoria); *R.L. Peterson* (University of Guelph); *B.C. Sharman* (University of Calgary); *Bal Vir Singh* (University of Toronto); *Jean B. Smith* (Queen's University); *I.E.P. Taylor* (University of British Columbia) and *M. Weintraub* (Canada Department of Agriculture, Vancouver).

Unfortunately 39 (thirty-nine!) members have been dropped from the list of active members due to non-payment of 1968 dues. These names will not be listed — but all provinces of Canada are represented except Newfoundland, Prince Edward Island, New Brunswick, and Manitoba.

AIBS AT VERMONT — August 1969

The American Institute of Biological Sciences meeting will be held August 17-22, 1969, at the University of Vermont, Burlington. Many of the plant science societies will not meet officially with the A.I.B.S. because of the XI International Botanical Congress in Seattle, Washington. However, space and time will be provided for contributed papers in all areas of plant science. Titles and abstracts were to be submitted by April 1. More information is available by writing: A.I.B.S. Meetings Department, 3900 Wisconsin Avenue N.W., Washington, D.C. 20016, U.S.A.

WANTED

For biosystematic studies. Living material (seed or roots) of any Canadian members of the Labiatae from any part of this country, and any North American members of the genus *Cerastium*. All offerings will be gratefully received by J.K. Morton, Department of Biology, University of Waterloo, Waterloo, Ontario.

Have you recruited a new member for the Canadian Botanical Association — L'Association Botanique du Canada this month? Applications are available from Dr. J.H. Soper, c/o National Herbarium of Canada, National Museums of Canada, Ottawa 4, Ontario.

Avez-vous recruté au courant de a mois de nouveaux membres pour L'Association Botanique du Canada — Canadian Botanical Association? On peut se procurer des formulaires chez le Dr. J.H. Soper, L'Herbier national du Canada, Les Musées nationaux du Canada, Ottawa 4, Ontario.

PERSONALIA

R.G.S. Bidwell is returning to Canada after 4 years as Professor of Biology at Case Western University, Cleveland, Ohio. He will be Professor of Biology at Queen's University, Kingston.

William Illman, presently on sabbatical from Carleton University, is studying the taxonomy of *Sporidesmium* with *S.J. Hughes* at the Plant Research Institute, Ottawa.

Roy L. Taylor, University of British Columbia, has recently been elected Secretary-Treasurer of the Biological Council of Canada. He succeeds *David Canvin* of Queen's University.

Maurice W.D. Villard of the Botanical Institute, University of Neuchâtel, Switzerland, is presently a Research Associate in the Department of Genetics at McGill University (Macdonald College). He is on a Canada Council grant to collaborate with *William F. Grant* on cytogenetic effects of herbicides and insecticides.

Wayne Brideaux has moved from McMaster University to the Pan American Petroleum Corporation in Tulsa, Oklahoma.

S.N. Linzon formerly with the Canada Department of Forestry and Rural Development in Maple, Ontario, is now affiliated with the Air Pollution Control Service in Toronto.

G.I. McIntyre has moved from the Canada Department of Agriculture Research Station, Regina, to the Plant Research Institute in Ottawa.

Yutaka Suda is presently affiliated with the University of Iwate in Ueda Morioka, Japan. Previously he was in Sendai, Japan, at Tohoku University.

A.G. Thomas has moved from McMaster University to the University of Guelph.

Daniel F. Waltz is now associated with Sir George Williams University, Montreal. He was formerly with the Université d'Ottawa.

Hubert Lue-Kim is finished his Ph.D. at Simon Fraser University and is an Assistant Professor of Botany at the University of Guelph.

DATE-LIMITE DU BULLETIN PROCHAIN: LE 1 JUIN

SEEN IN PRINT

"Factors influencing the narrow restriction of *Pitularia americana* in Texas." by: C. McMillan, C.E. Jens, W.R. Adler, R.V. Blystone, W.H. Gillespie, J.R. Irwin, R.E. Janowsky, D.O. Kolle, T.R. McGlathery, R.R. Martin, R.W. Morey, C.R. Mynard, and T.S. Patty! Published in: The Southwest Naturalist 13(2): 117-127. (This is a contribution from the Departments of Botany, Zoology, and Geology of the University of Texas, Austin.)

PRESIDENT'S UNMESSAGE*

As I rarely ever read "Messages from Presidents" myself, I do not expect many of you to scrutinize this – so it will be brief. While no doubt contemporary developments seem of greater moment than when viewed in the perspective of even quite brief history, there do seem to be one or two important developments in Canada which affect our science.

The first is that at last Canadian science is emerging from the long period of domination by the physical sciences. Increasingly, biology has a voice, a role and an opportunity. Perhaps I am losing perspective, but it would appear that within the life sciences the social and academic relevance of environmental biology is becoming the main point of focus. Individually and as a society of botanists, we should be alert to the greatly increased demands on our time and expertise, and the substantially broadened scope of our influence in both professional and political spheres. The past year has been one of surveys and questionnaires, Senate Committee hearings and reports, and we must watch carefully for whatever results from maelstrom of recommendations and views. The time is now for all things pertaining to environment. If little or nothing appears to be happening in governments as a result of this orgy of appraisal, we must be ready to come out of the ivory tower into the forum and raise our voices.

During the year your executive took what I consider to be an important decision when it accepted an invitation to hold the 1970 annual meetings at Laval University. The report by Taylor Steeves in the last issue of the *CBA-ABC Bulletin* explains aptly the pertinence of this decision. I hope the whole Association will respond to this splendid opportunity.

May I thank you for this remarkable opportunity to serve Botany in Canada. I look forward to seeing many of you at Seattle.

J.C. Ritchie

* Editor's Note: This title is designed to make you read at least the first paragraph!

XI INTERNATIONAL BOTANICAL CONGRESS

Seattle, Washington, U.S.A. – August 24 – September 2, 1969.

Nomenclature sessions – August 21 - 24, 1969.

Details concerning Canadian Botanical Association – L'Association Botanique du Canada dinner and meeting will be forthcoming in the next issue of the *CBA-ABC Bulletin* (July, 1969).

Details concerning the George Lawson Medals in Botany will also be forthcoming in the next issue of the *CBA-ABC Bulletin*. The first award will be made at the meeting in Seattle.

Details about the XI Botanical Congress from: George W. Fischer, Executive Director, 3917 - 15th Avenue N.E., Seattle, Washington 98105, U.S.A.

BIOLOGICAL COUNCIL OF CANADA

In the recent submission to the Senate Committee on Science Policy, the BCC listed three general areas considered to represent the highest priorities for Canadian biology. These are:

1. Increased support of basic biological science. The studies envisioned extend from subcellular investigations to ecological investigations of populations and support for such work in the science departments of our universities is strongly urged. Studies at all levels are well justified but specific areas should be confined to a limited number of institutions. This will enable certain universities to build up adequate strength in a given area to do effective work. Strong centres of training and research in a given area, preferably in a science faculty to facilitate the creation of multidisciplinary teams, would greatly strengthen basic biological research. In terms of benefits to the needs of the

community, environmental biological work is as valuable as medical or physiological studies.

2. Support of the health sciences is of interest to all Canadians and improved health services will demand strengthening medical research. Nation-wide medicare will require the services of more medical and paramedical personnel and in future a proportion of them will have to be trained at home. The growing sophistication of diagnostic, treatment, and surgical procedures means that adequate training can be provided only in association with strong medical research centres. Research objectives that rate high in priority include cardiovascular and viral diseases, cancer, and the rejection mechanism that limits the use of organ transplants.
3. The third goal is the maintenance of the environment – a problem that demands attention not only from the majority of biological disciplines but also from physical and social scientists. The Canadian climate, geography and biosphere are unique, research done elsewhere may be helpful, but these problems will not be solved by the work of others. Environmental pollution is only one manifestation of this general problem. Explorations for mineral resources threaten the tundra of our Arctic, and increased industrialization and urbanization continue to accelerate environmental deterioration in the more populated areas. One such problem – industrial pollution – is of biological interest. For some industries economic control of pollution will require changes in procedures and process, and such developments can best be studied by the companies concerned. Indeed this may be one activity the results of which will verify the old adage that an ounce of prevention is worth a pound of cure.

Continued from p. 5

Association. Many people played an active role in the formative stages, but the imaginative leadership and drive needed to launch the organization was ably given by P.R. Gorham and R.A. Ludwig.

R.L. Taylor

Appendix I: Provisional Committee (March 1964) – Chairman, R.A. Ludwig; Secretary, R.L. Taylor; Members, N.W. Radforth, C.J. Hickman, J.R. Beaudry, R.T. Coupland, P.R. Gorham.

Appendix II: Organization Committee (June 1964) – Chairman, R.A. Ludwig; Vice-Chairman, E. Rouleau; Secretary, R.L. Taylor; Treasurer, W.J. Cody; Directors, L. Cinq-Mars, R.T. Coupland, P.R. Gorham, C.J. Hickman, N.W. Radforth; Provisional Advisory Council, R.F. Scagel, V.J. Krajina, A. Szczawinski, W.G. Ziller, H.J. Brodie, F.L. Staplin, J.C. Ritchie, H.R.N. Eydt, J.H. Soper, R.D. Gibbs, A. Legault, A.N. Langford, R. Cayouette, E.C. Smith, A.R.A. Taylor.

Appendix III: First Executive (June 1965) – President, R.A. Ludwig; Vice-President, E. Rouleau; Secretary, R.L. Taylor; Treasurer, W.J. Cody; Directors, L. Cinq-Mars, R.T. Coupland, J.C. Ritchie, C.J. Hickman, A.F. Szczawinski, A.R.A. Taylor.

Appendix IV: Provisional Sections (June 1965) Ecology (Chairman, R.A. Coupland); General (Chairman, T.A. Steeves); Mycology (Chairman, J.W. Groves); Paleobotany (Chairman, F.L. Staplin); Phycology (Chairman, A.R.A. Taylor); Systematics (Chairman, J.H. Soper).

(Editor's Note: This is an abstract of a lengthier report, including more details of those involved, that is filed with the Secretary).

CBA-ABC Bulletin is published quarterly, in January, April, July and October by the Canadian Botanical Association – L'Association Botanique du Canada, c/o Department of Botany, University of British Columbia, Vancouver 168, Canada; Janet R. Stein, Chairman, Publication Committee.