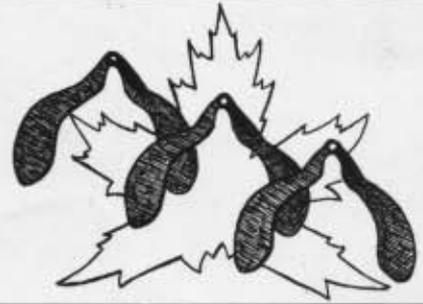


BULLETIN



PRESIDENT'S MESSAGE

It is indeed a pleasure as President of your Association to inform you of the progress being made since our founding in 1965. Our Association (with nearly 400 members) has rapidly grown to become one of the most important voices in Canadian biology. I hope each member will strengthen the Association through active recruitment and development of programs relating to the botanical sciences in Canada. This *CBA-ABC Bulletin* has grown out of the need for an effective means of communication. It is our hope that you will be kept well informed of the developments of our Association through this *Bulletin*, which is under the editorship of Janet R. Stein (University of British Columbia) and the Publication Committee of the Association Directors. Clearly, the Association has provided a means for botanists throughout Canada to become better acquainted with one another and the new *Bulletin* will continue to further this. Active participation in the Association will undoubtedly lead to richer and better developed programs in Canadian botany.

During the first few years, the Association has had a number of housekeeping problems: lack of clearly defined relationship between the Executive Committee and the developing sections; problems relating to the operation of our annual meetings; and, clarification of some areas of our constitution. These problems are not unusual for a new organization and your Executive is quite cognizant of the inherent difficulties that must be overcome. I hope this year that we will be able to provide you with a detailed and finalized version of the Constitution.

The difficulties encountered in the organization of the annual meeting - including notification of the meeting, call for papers, abstracts, pre-meeting program, and development of the program - have been carefully scrutinized by your Executive. You have already been notified of the date of the annual meeting. Our Vice-President, J.C. Ritchie (Trent University) has taken the onerous responsibility of Program Chairman, and we are fortunate to have D. R. Lindsay of Lakehead University as our Local Chairman. I am sure that with your cooperation, the 1968 Annual Meeting will be a resounding success.

For some time now we have felt that there was a need in Canada for a brochure on career opportunities in the botanical sciences. It is expected that the Education Committee, chaired by A.N. Langford (Bishop's University) will be able to produce a provisional draft before the next meeting. Many people have indicated the usefulness of the Directory of Canadian Botanists which was published in 1965. A new and more complete Directory is planned for 1968. R.J. Moore (Plant Research Institute, Ottawa) and J.H. Soper

(National Museum, Ottawa) are co-chairmen and should have all queries directed to them.

I hope that as the year progresses, Canadian botanists and those interested in Canadian botany will become more aware of each other and their respective botanical activities. I also hope that we, the Executive of your Association, may catalyze this interchange of information so that we may all look forward to continued development and achievement in the botanical sciences in Canada.

Roy L. Taylor

EDITORIAL POLICY

The *CBA-ABC Bulletin* is planned for quarterly publication (January, April, July, October). Copy should be received by the Editor 3 weeks preceding the first day of the month of publication. Only by active participation of the Membership will this *Bulletin* help achieve its purpose of communication among those interested in Canadian Botany. News and items of interest (especially "Personalia") may be submitted to any of the Directors who also serve on the Publication Committee. Articles may be submitted for printing in either French or English (or both!).

LAKEHEAD UNIVERSITY - 1968 JUNE 11 - 14, PORT ARTHUR, ONTARIO

Lakehead University is located in the boreal zone of Canada, yet is readily accessible to the arctic watershed. Botanists will find not only typical habitats and associated plants of the boreal forest, but may observe effects of disturbance, such as fire, on boreal vegetation. Many habitats along the Lake Superior shore, including the famous Sibley Peninsula Flora are available for exploration. Stands of sugar maple at the northern limit and certain prairie species, such as a large stand of bur oak, are present nearby.

TENTATIVE PROGRAM

June 11 - Evening	Reception
June 12 - Morning	Symposium "Boreal Forest"
- Afternoon	Sectional meetings and papers
- Evening	Symposium "Natural Areas"
June 13 - Field Trip and/or	Sectional Meetings
- Evening	Banquet
June 14 - Morning	Symposium "Recent Methods in Taxonomy"
	Sectional Meetings
- Afternoon (late)	Business Meeting

Suggestions regarding the program should be sent immediately to Dr. J.C. Ritchie, Department of Biology, Trent University, Peterborough, Ontario.

Please fill out the enclosed form if you plan (or hope) to attend the meetings.

CBA-ABC NEWS

1967/68 Executive Committee

President: R.L. Taylor
(Plant Research Institute, Ottawa)
Vice-President: J.L. Ritchie
(Trent University)
Secretary: H.R.N. Eydt
(University of Waterloo)
Treasurer: J.H. Soper
(National Museum, Ottawa)
Past President: E. Rouleau
(Université de Montréal)

Directors:

L. Cinq-Mars (Université Laval); D.B.O. Saville (Plant Research Institute, Ottawa), F.A. Staplin (Calgary, Imperial Oil); T.A. Steeves (University of Saskatchewan); J.R. Stein (University of British Columbia); K.E. von Maltzahn (Dalhousie University)

HIGHLIGHTS OF EXECUTIVE COMMITTEE MEETING

The Executive Committee met on October 1 in Ottawa. The Treasurer, J.H. Soper, reported approximately 350 members. The annual fees will be increased \$1 (voluntary charge) to cover the Biological Council of Canada fee. The Constitution Committee, chaired by F. Staplin, presented the revised Constitution. After thorough discussion, it was agreed to circulate the revision to the membership early in 1968. The establishment of this *Bulletin* was agreed upon with the six Directors of the Association serving as Publication Committee under chairmanship of J. Stein. The *Bulletin* will serve as a medium for disseminating information concerning Botany in Canada as well as the Association. J.L. Ritchie, vice-president, was appointed Chairman of the Awards Committee to consider recognition of those outstanding in Canadian Botany. The membership is invited to communicate directly with Dr. Ritchie concerning this committee and establishment of its terms of reference.

R.J. Moore (Plant Research Institute, Ottawa) assisted by the treasurer, Dr. Soper, is in charge of publishing a current Directory of Canadian Botanists. The other plant societies (Canadian Phytopathological Society, Canadian Society of Plant Physiologists) will be asked for assistance. The directory should be available in spring, 1968. The 1968 Lakehead University Meeting, was discussed with suggestions for the programme being forwarded to the Chairman, Dr. Ritchie.

The first publication sponsored by the Association, "Evolution of Canada's Flora" has received \$262 royalties, which belong to N.R.C. At the 1967 Annual Meeting several resolutions were passed. As of October 1, replies to two had been received. These include the one referring to the peat and permafrost layer in the Canadian Arctic forwarded to the Department of Transport, and the resolution concerning the Flora North America Project.

The Botanical Society of America is interested in the possibility of joint meetings with CBA-ABC sometime in the future. Also, there is some interest in a combined meeting with the Alaska Section of the American Association for the Advancement of Science. The next Executive Committee meeting will be Tuesday, June 11, at Lakehead University. Members wishing to present material for consideration at this meeting should contact the secretary, Dr. Eydt.

SECTION NEWS

This column will regularly carry news as submitted to the Editor by each section. An asterisk (*) preceding a section name indicates a formally organized and recognized section of CBA-ABC.

*ECOLOGICAL SECTION

Chairman: H. Dale, Department of Botany, University of Guelph
Secretary: J.S. Rowe, Department of Biology, University of Saskatchewan

The Executive met in mid-October to discuss action taken at the 1967 meeting (Ottawa) and plans for the 1968 meeting (Lakehead). The investigation of graduate training in ecology is to be part of the CBA-ABC committee on University Education, chaired by A.N. Langford (Bishop's University). As requested at the 1967 meeting, information about organizations concerned with Natural Areas was circulated. The report prepared by R.E. Beschel (Queen's University), although incomplete, will serve as a nucleus for further information. A more complete report will be circulated at the Lakehead meeting, where the subject of Natural Areas will be considered more fully. The Section has contacted the Ecological Society of America and the British Ecological Society with the aim of future cooperation among ecologists.

Discussion of plans for the 1968 meeting included the pre-meeting field trip. It was proposed there be at least partial payment prior to the trip to ensure attendance and facilitate transportation. Proposed symposia were considered with one to be on "Natural Areas" and another on "Problems of the Boreal Forest". Also, at the Lakehead meeting plans for contributions at the 1969 Botanical Congress (Seattle) will be discussed.

The Statutes of the Section will be distributed to all members. Both French and English versions will be available. In accordance with the Statutes (Section 15), two members of the Executive Committee will be elected in the spring for three year terms. Dr. Dale will call for nominations two months before the annual meeting.

GENERAL SECTION

Chairman: T.A. Steeves, Department of Biology, University of Saskatchewan.

At the annual meeting in Ottawa, the provisional committee was instructed to obtain from the Section membership information concerning formal status, with the decision to be made on the basis of actual replies. Of the 122 ballots mailed, 57 were in favor of formal organization, 3 against, 2 no-vote, and 60 no reply. Thus, plans are underway to secure formal recognition as soon as possible. At present a set of by-laws is being drafted and will soon be circulated, along with the specific plan for organization. Assuming a favorable response from the Section membership, official recognition will be requested at the Lakehead meeting, and an Executive will be elected.

Copies of abstracts of papers presented in the General Section of the 1967 (Ottawa) meeting may be obtained by writing the Chairman.

MYCOLOGICAL SECTION

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

The program for the Lakehead meetings tentatively includes a Symposium with the Systematics and Phytogeo-

graphy Section on "Research Methods in Taxonomy". A series of papers on the "Resting spore - Production, Dormancy, Germination" has been scheduled with A.S. Sussman (University of Michigan), E.S. McDonough (Marquette), J.J. Miller (McMaster), and R.H. Haskins (NRC, Saskatoon). There is also the possibility of a symposium or session of Forest Pathology. The annual foray, by M.J. Larsen (Canada Department of Forestry and Rural Development) will be from June 10-12. It has been suggested that there should be a minimum of at least 20 participants.

PALEOBOTANY SECTION

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

Secretary: Mrs. T.A. Steeves (Department of Biology, University of Saskatchewan)

The Section decided not to meet formally at the 1968 meetings. Papers will probably be presented at the General Section.

PHYCOLOGY SECTION

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

Secretary: R.K.S. Lee, National Museum of Canada, Ottawa

In addition to the officers listed above, L.D. Druehl (Simon Fraser University, Burnaby, British Columbia) was elected to the Executive Committee. No field trip is planned for the 1968 Lakehead Meetings; however, there will probably be one session for presentation of papers.

A check-list of algae has been proposed, probably in conjunction with the Systematic and Phytogeography Section. At present, nothing has been done, but those interested should communicate with the Chairman.

*SYSTEMATICS AND PHYTOGEOGRAPHY SECTION

Chairman: W.K.W. Baldwin, National Museum of Canada, Ottawa

Secretary: B. Boivin, Plant Research Institute, Ottawa

Newsletter No. 7 was circulated to the membership in early December. The section has been most active and at a November meeting of the Section Committee, chaired by Dr. Baldwin, several sub-committee reports were given. These include the Review of Canadian Herbaria, Standardization and Automation of Herbarium Procedures, the Centennial Project, and Study of Systematics and Phytogeography in Canadian Graduate Schools. The Centennial Project was to establish guide-lines for check-lists of the Canadian flora. These are now established and separate committees will compile the check-lists for Vascular Plants (J.H. Soper, Chairman), Lichens (I.M. Brodo, Chairman), and Bryophytes (R.R. Ireland, Chairman).

At the Lakehead meeting, a joint symposium with the Mycological Section on "Research Methods in Taxonomy" is planned. Papers for presentation to the Section may be submitted at anytime to the Chairman. An abstract (of not more than 250 words) should be included, in duplicate. It is planned to circulate the abstracts with the meeting programme.

BIOLOGICAL COUNCIL OF CANADA

The Biological Council of Canada - Conseil Canadien de Biologie (BCC-CCB) held its founding meeting in October, 1966, in Ottawa. The council is an association of scientific societies that pay fees assessed on membership. The general purpose of the Council is to plan, coordinate, and execute any joint action desirable for the advancement of the bio-

logical sciences. The immediate concern of the Council is a request from the Science Secretariat to plan and conduct, in cooperation with the Canadian Federation of Biological Sciences, a survey of the state and needs of basic biology in Canada. Because of the breadth and complexity of the biological sciences and the necessity to coordinate the survey with parallel ones (e.g., agriculture), it will consist of 2 parts. The first is the preparation of methods to be used and the coordination with other groups; the second part is the survey itself.

Dr. K.C. Fisher (University of Toronto) is Director of the survey, "Study of Basic Biological Research". The field of biology has been divided into 29 somewhat arbitrary categories, each the responsibility of a Panel consisting of a Chairman and one or two members. The report will be based primarily on data gathered from a questionnaire sent to each professional biologist engaged in research. Each panel will report on the field for which it is responsible. The following are the botanical (or related) panels and the Chairmen (Panel number in parentheses): (15) Paleontology, including Palynology, F.L. Staplin, Calgary; (16) Cell Biology, J.F. Morgan, Saskatoon; (17) Genetics (molecular) L. Siminovitch, Toronto; (18) Genetics (genes, cytogenetics, breeding), C. Person, Vancouver; (20) Virology, V. Pavlanis, Laval-des-Rapides; (23) Microbiology (general), A.C. Blackwood, Macdonald College; (25) Plant Pathology, B. MacNeill, Guelph; (26) Plant Anatomy, Morphology, Histology, T.A. Steeves, Saskatoon; (27) Plant Systematics, J.H. Soper, Ottawa; (28) Plant Ecology, J.C. Ritchie, Peterborough; (29) Plant Physiology, Biochemistry, Biophysics, A.C. Neish, Halifax. Each botanist is urged strongly to complete the questionnaire and to communicate directly with Panel Chairman on the status, needs, and future research in his discipline in Canada. It is expected that future government financing of research in biology will be influenced by the reports from this survey.

The BCC-CCB is also considering the leadership and guidance that it could give to a study of secondary education in biology. It is hoped that the Council will be able to plan modern and uniform biology curricula and assess ways and means to further teacher training in biology. As the BCC-CCB is planned to provide effective and cooperative action on problems in biology, it requests that the member societies place before it problems in biology requiring attention.

The officers of the Council are, I. McT. Cowan (University of British Columbia), A. Frappier (Université de Montréal, Laval-des-Rapides), D.T. Canvin (Queen's University) and J.A.F. Stevenson (University of Western Ontario).

CANADIAN PARTICIPATION IN IBP

The International Biological Program (IBP), it has been said, is aimed at preserving the habitability of the earth. It is a world-wide program for study of the biological basis of productivity on land, in fresh-water, and in the sea; for conservation of unique ecosystems for future scientific study; for the adaptation of man to hostile and unusual environments; and for international cooperation on use and management of biological resources. The Program is modeled after IGY, and is sponsored by ICSU with approximately 50 countries participating. Each is financially responsible for its program and contributes to support of a steering committee. The Program consists of a 3-year preparatory phase, followed by a 5-year phase of data acquisition. Phase two

began officially July 1, 1967, but many projects will run for 5 years from the date of completion of the preparatory phase.

The Canadian Program is focussed on a few large projects, rather than many little ones. These large projects involve research workers and students in universities and government laboratories in Canada and abroad. Four ecosystem projects have been approved to date. These will provide data on the factors determining productivity of native and cultivated grasslands at Matador, Saskatchewan; an aspen forest at Petawawa, Ontario; a small lake (Marion) in British Columbia; and, selected estuaries in the Strait of Georgia, British Columbia. General proposals for 2 more ecosystem projects have been approved but detailed planning is incomplete. One is a study of productivity in a small, high arctic lake, and the other is a study of the productive potential of the Gulf of St. Lawrence. Site-related supporting studies of 2 of the principal determinants of primary production - photosynthesis and nitrogen-fixation—have been approved. These will take place at the project sites, and at McGill (Macdonald College) and the Universities of Queen's, Guelph, Manitoba, and Saskatchewan.

Federal and provincial laws governing conservation of biological preserves are being collected. A joint Canadian-American multidisciplinary study of selected circumpolar peoples has been approved with participation by scientists of other countries. Canadians are on international panels concerned with biological pest control and organization of germ plasm pools for plant and animal breeding (see Report on this page).

The Canadian Program is the responsibility of a committee appointed by the National Research Council in 1964. This has representatives from government and universities with T.W.M. Cameron, McGill University, as Chairman. There are 7 subcommittees responsible for developing and promoting the scientific program. The Committee is concerned with planning as well as coordinating Canadian projects with related projects in other countries. Financial support comes from such sources as universities, federal and provincial governments, extramural research contracts by government departments and NRC contracts.

Obvious benefits of IBP are the participation of biologists of many types, in a large, international, cooperative scientific undertaking. Less obvious, or immediate, benefits include detailed interdisciplinary studies of total ecosystems that will provide valuable experience in establishing baselines for studies of polluted ecosystems.

Further information about IBP may be secured from Dr. N.E. Gibbons, Division of Biosciences, National Research Council of Canada, 100 Sussex Drive, Ottawa 2, Ontario.

P.R. Gorham

CONFERENCE ON PLANT GENE RESOURCES

A conference in Rome was convened in September, 1967, to look candidly at world plant gene resources. Its objective was to take steps to conserve wild species and primitive cultivars that may be in danger of being lost through the advance of modern man. About 75 scientists from 25 countries were brought together under auspices of the Food and Agriculture Organization (FAO) of the United Nations, and the Use and Management Committee of the International Biological Program. Canada was represented by H.A. Stepler, Macdonald College, Quebec, and C.J. Bishop,

Canada Department of Agriculture, Ottawa.

The purpose of the meeting was to learn of present activities of plant exploration, conservation and utilization, and to decide on a recommended action program for FAO and member countries. In the discussions a distinction was made between the gene resources of wild species, primitive cultivars (established by agricultural usage without plant breeding), and advanced cultivars (the result of plant breeding programs).

It was noted that many wild species have not been fully considered for possible use by plant breeders. In some regions there is danger of losing wild species through land use changes resulting in plant destruction. It was felt that greater efforts should be made to collect and preserve such species. Primitive cultivars are in the greatest danger of being lost due to modern agriculture practices of replacement by more productive, higher quality cultivars. Whereas, in general, inferior to the advanced cultivars many of the primitive types carry useful genes for tolerance or resistance to disease, insects, drought, frost, and similar hazards. A concentrated effort to collect and maintain the primitive cultivars is important at present, if this germ plasm is not to be lost.

Attention to advanced cultivars was primarily due to their potential use in agriculture and forestry of developing countries. At present no organized world-wide system exists for recording the characteristics of these cultivars, evaluating their performance, and making them available. An extensive cooperative scheme for information recording and retrieval is under development and was discussed at the meeting.

Specific action recommendations made were: 1) that FAO assume greater responsibility for detailed knowledge of world plant gene resources, with guidance from panels of designated experts: 2) that a survey be made to determine which gene resources are in greatest danger of loss: 3) that with these in mind, there be increased exploration and collection of plant material: 4) that provision be made for the training of individuals in plant exploration: 5) that collected material be evaluated and utilized through adequate distribution and exchange: 6) that an international program for storage and retrieval of genetic stock information be encouraged: 7) that adequate steps be taken for the conservation of collected material in botanical gardens, storage banks, etc.: 8) that the whole program receive adequate financial support from FAO and member countries.

The Conference clearly revealed the general lack of a detailed knowledge of the world's gene resources and the need for each country to explore its own plant distribution. Only by assisting in an international program such as that proposed can the gene resources of the world be made freely available for scientific purposes and betterment of agriculture throughout the world.

C.J. Bishop

FLORA NORTH AMERICA PROJECT

The Flora North America (FNA) Project Steering and Editorial Committees met at the annual American Institute of Biological Sciences (AIBS) meeting in Texas in August, 1967. At this time the AIBS was ratified as the fiscal agent for the Project, which means that the total biological community is supporting the development of this Flora. A fall meeting of the Editorial Committee was held in conjunction with the Annual Systematics Symposium at the Missouri Botanical Garden. Final modifications were made in the

grant proposal which it is hoped will become effective January, 1968, to provide fiscal support. The Editorial Committee discussed and initiated the preliminary stages in the development of a family system based on the recently proposed systems of Cronquist, Thorne, Takhtajan and the recently published Engler syllabus. Preliminary preparation of the guidebook for authors contributing to the Flora was initiated. The next meeting of the Editorial Committee will be in May, 1968, in Ottawa. The draft of the guidebook will be prepared and the preliminary list of families and genera to be included in Volume 1 will be established. The Secretariat of the FNA Project is housed at the Smithsonian Institution in Washington, D.C., with S.G. Shetler (Smithsonian Institution) as Secretary. D.M. Gates (Missouri Botanical Garden) is Chairman of the Steering Committee and P.H. Raven (Stanford University) is Chairman of the Editing Committee. Canada is represented by R.L. Taylor (Plant Research Institute, Ottawa).

PERSONALIA

J.H. Soper began service as Chief Botanist at the National Museum of Canada in October filling the position held since 1936 by A.E. Porsild who retired officially in January, 1967.

J.S. Rowe has moved to the University of Saskatchewan, from the Canada Department of Forestry, Ottawa.

E.T. Oswald has been appointed curator of the herbarium, Canada Department of Forestry and Rural Development (WINF), Winnipeg. He is in charge of an expanding collection started with material from W.E.D. Halliday (1928-1932), J.S. Rowe (1950-1956), and D. Mueller-Dombois (1959-1962).

There are two N.R.C. Postdoctoral Fellows studying at the National Herbarium of Canada, Ottawa, Marian Kuc, Cracow, Poland, is working on mosses and vascular plants collected on Axel Heiberg Island with the McGill University expedition led by Fritz Müller. John Sheard, from Londonderry, is studying species of the North American lichen genus, *Rinodina*.

Dianne Fahselt, recently appointed to the Botany Department, University of Western Ontario, received the Cooley Award for the outstanding paper presented in the Systematics Section of the Botanical Society of America meeting in August, 1967. Dr. Fahselt recently completed her PhD at Washington State University.

W.B. Schofield, University of British Columbia, has been elected president of the American Bryological Society.

R.L. Taylor, Plant Research Institute, Ottawa, is Chairman of the Systematics Section of the Botanical Society of America.

Two Botanists were recently elected Fellows of the Royal Society of Canada. They are Dr. G.H.N. Towers, University of British Columbia, and Dr. C.D. Nelson, Simon Fraser University, Burnaby, British Columbia.

T.A. Steeves, University of Saskatchewan, recently spent 3 months as Visiting Professor at Yale University, New Haven, Connecticut.

G. Robin South has accepted a position as Assistant Professor of Biology at Memorial University of Newfoundland. He was a Postdoctoral Fellow at the University of British Columbia in 1966/67.

Mitsuo Chihara, National Science Museum, Tokyo, Japan, is a Postdoctoral Fellow at the University of British Colum-

John D.H. Lambert has recently accepted a position at Carleton University, Ottawa.

The British Columbia Provincial Museum has recently published, "Guide to Common Seaweeds of British Columbia" (Handbook No. 27) by R.F. Scagel, University of British Columbia. The price is \$1 and is available from the Provincial Museum, Victoria.

Milton McClaren, who recently finished his PhD at the University of British Columbia, has accepted a position at Simon Fraser University, Burnaby, B.C.

Everett P. Peterson, formerly at the University of Saskatchewan at Regina, is now affiliated with the Canada Department of Forestry and Rural Development in Calgary, Alberta.

Gordon G.C. Robinson recently completed his PhD at the University of British Columbia and is now a Postdoctoral Fellow at the University of Bangor, Wales.

Muriel V. Roscoe, formerly at McGill University, is Dean of Women at Acadia University, Wolfville, Nova Scotia.

Michael Shaw, has resigned from Head of Department of Biology, University of Saskatchewan, Saskatoon, to become Dean of Agriculture at the University of British Columbia.

A.R.A. Taylor, University of New Brunswick, is on leave-of-absence at the Marine Biological Association of the United Kingdom, at Plymouth.

J.S. Craigie, N.R.C. Halifax, is on leave-of-absence at Scripps Institution of Oceanography, University of California, at La Jolla.

Vratislav Bednář, from Palacký University, Czechoslovakia, is doing Postdoctoral Research on forest ecology with V.J. Krajina, at the University of British Columbia.

SCIENCE FORUM

Attention is drawn to the founding of an independent, new Canadian Journal of science and technology, *Science Forum*. The first issue is expected early in 1968. It is designed to serve as a medium for discussion of vital national issues concerning the Canadian scientific and engineering community. It will be similar in function to *Science* (published in the United States), *Nature*, and *New Scientist* (both published in the United Kingdom).

Science Forum will be published every other month by the University of Toronto Press. Each issue will contain major articles, short news items about scientific and technological advances, comment on scientific news, editorials on vital issues, and a 'Letter' department. The Editor is David C. Sprugeon, Science Writer for the *Toronto Globe and Mail*. Further information concerning *Science Forum* is on the enclosure.

LAKEHEAD — JUNE 11 - 14

Members wishing to affiliate with any Section should write either the Section Secretary or Dr. H.R.N. Eyd,

CBA - ABC NOMINATIONS

Nominations for the 1968 Executive Committee should be sent to the Secretary of the Association by *March 22, 1968*. The nominations must be signed by at least 6 regular members in good standing and must indicate the proposed office. All nominations must be accompanied by the written consent of the nominee who must also be a member in good standing. In addition a Nominating Committee chaired by G.E. Rouse (University of British Columbia) shall nominate at least 2 eligible candidates for each office. Ballots for the Offices will be mailed at least 4 weeks prior to the Annual Meeting at Lakehead University, June 14, 1968.

The offices to be filled are: President, Vice-President (each for one year); Secretary, 3 Directors (each for two years). One Director shall reside West of the Ontario-Manitoba boundary and one shall reside East of this boundary.

REVIEW OF CANADIAN HERBARIA

Part 5 (November 28, 1967) has been sent to members of the Systematic and Phytogeography Section. Additional copies are available from Bernard Boivin, Section Secretary (Plant Research Institute, Central Experimental Farm, Ottawa). Those wishing to receive future parts (or previous parts) of the Review and/or to affiliate with the Section should contact Dr. Bouvin.

VACANCIES

University of Alberta – Plant Physiology, Duties to include both teaching and research. Starting date: September, 1968. Rank and salary at Assistant or Associate Professor level. Write: Dr. E.A. Cossins, Department of Botany, Edmonton.

University of British Columbia – Plant Ecology or Plant Morphogenetics. Duties to include both teaching and research. Starting date: July 1, or September 1, 1968. Rank and salary appropriate to the appointee's experience (Assistant or Associate Professor). Write: Dr. G.H.N. Towers, Head, Department of Botany, Vancouver 8.

University of Lethbridge – Plant Morphology, Plant Taxonomy, Plant Ecology, or Plant Physiology. Duties to include teaching and some research. Starting date: 1968. Rank and salary depending upon qualifications (Assistant or Associate Professor). Write: Dr. P.D. Lewis, Jr., Acting Chairman, Department of Biological Sciences, Lethbridge, Alberta, by February 15.

University of Toronto – Systematic Botany (Vascular Plants) with preference in: data-processing applications in herbarium procedures; taxometrics; floristics or phytogeography. Duties include both teaching and research. Starting date: July 1, 1968 (or earlier). Rank and salary commensurate with experience. Write: Dr. N.P. Badenhuizen, Chairman, Department of Botany, Toronto 5.

Dues for 1968 were due on January 1. If you have not mailed yours yet, send them to: Dr. J.H. Soper, Chief Botanist, National Museum of Canada, Ottawa 4, Ontario. Full members are \$5 and student members are \$3. If not affiliated with any other Canadian biological society, add \$1 for the Biological Council of Canada.

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