



## EXECUTIVE MEETING NOTES:

The Executive Committee Meeting took place on Saturday, the 21st of March 1970 in Ottawa.

Discussions were held on amending the Constitution to include honorary membership, or life membership, or a fellowship in the Association. No conclusions were reached and this will be discussed at the next meeting of the Executive Committee.

The Canadian Journal of Botany was discussed with the recommendation from Dr. Mosquin that the Association consider instituting its own Journal. This idea will be presented and discussed at the Annual Business Meeting at Laval.

Final arrangements on the Laval meetings were discussed and suggestions offered to the Local Committee on the program.

The President, Dr. Dale, reported to the Executive Committee on his attendance at the Biological Council of Canada meeting and discussed the panel reports from the K. C. Fisher study which are available for \$7.00. Copies of these combined panel reports may be obtained by contacting Dr. E. J. LeRoux, President of the Biological Council of Canada, at the following address: Dr. E. J. LeRoux, Assistant Director-General (Institutes), Research Branch, Canada Department of Agriculture, Ottawa 3, Ontario.

Following along the various items on the agenda of the BCC, the Executive Committee discussed the lack of apparent coordination between member organizations of the BCC with reference to Annual Meetings.

The Executive Committee that discussed the 1971 meetings in Edmonton. 1500 delegates are expected to attend the meetings which will be held from June 20-24, 1971. Meeting with the Canadian Botanical Association will be The Botanical Society of America, The Canadian Phytopathological Society, The American Society of Plant Taxonomy, The Mycological Society of America, The Phycological Society of America, The American Bryological Society, The Lichenological Society, and the Western Section of the Ecological Society of America, and the Torrey Botanical Club.

Next Executive Meeting: 7.00 p.m. June 9, 1970, at the Ron Eydtt suite, Pavillon Lemieux, Laval.

## DR. J. WALTON GROVES—EMINENT MYCOLOGIST

Dr. J. Walton Groves died May 6th in hospital, following a heart attack. He was in his sixty-third year and had been active in his research until a few days before his death. He was born in Kinburn, Ontario, 18 October, 1906, received his B.A. and M.A. from Queen's and his Ph.D. from Toronto. He joined the Canada Department of Agriculture in 1936 and, in 1951, became Chief of the newly formed Mycology Section in which he developed the National Mycological Herbarium. His research covered Taxonomy and Life Histories of Discomycetes, of seed-borne fungi, and of the Agaricaceae and Boletaceae. He was elected a Fellow of the Royal Society in 1951 and was a member of many scientific societies and international committees. He was a founding member of CBA-ABC.

DATE—LIMITE DU BULLETIN PROCHAIN: LE 15 JUILLET

## BOTANISTS AND HUMAN POPULATION

"Population Explosion" is a household term throughout much of the world. To many people, it is simply a term or a gimmick used by governments to further their own ends. To concerned scientists in many parts of the world, however, it is a term with tremendous significance. It means simply that human population is growing at an extremely rapid rate because natality now far exceeds mortality due to modern medicine and death control, and there is very little environmental resistance to population growth. True, the carrying capacity of the world has been greatly increased by improved methods of food production. But, for the most part, successful production of this increased quantity of food requires the use of energy from fossil fuel (e.g. farm tractors burn gasoline) and the world supplies of fossil fuels are of finite size. Furthermore, arable land throughout the world cannot be expected to continue to produce increasingly greater quantities of food sufficient to sustain an infinitely expanding world human population.

On May 4, 1970, twenty-one members of the Department of Biology at Carleton University signed a letter addressed to the Cabinet of the Government of Canada, expressing their great concern about the expanding human population. This is the text of their letter:

"We, the undersigned members of the Department of Biology at Carleton University beg to express our grave concern that our actions and policies as a nation be brought to bear positively on the most pivotal problem challenging the continued existence of Mankind on this planet, namely control of the explosive increase in human population. Methods of control must be humane, reasonable and civilized to be acceptable to the democratic conscience but they must be found quickly if Man as a species is to avoid cataclysmic devastation through pestilence, starvation and social chaos.

"On this matter there can be no compromise, no possibility of rational objection on grounds of morality, ethics or religion, to the academic study of the problems of populations and their control. Neither should there be any inhibition of the dissemination, in the most effectual manner (at home and abroad) of information and expertise which might insure the basic right of every new-born baby to be wanted.

"We respectfully ask you to give weight to our opinion as a group of biologists speaking on what is probably today's most cogent biological problem. We appeal to you to work for a positive position on this matter as the Government of Canada.

"Support of the request for Canadian participation in their International Development Program by the United Nations' Agency for Population Studies is one initial step which we believe should be taken resolutely and promptly."

Several large bodies of scientists have made public statements and resolutions relating to the growth of human population. At the December 1968 meeting of the American Association for the Advancement of Science (AAAS) in Dallas, Texas, a statement was released relating to the July 29, 1968 encyclical *Humane Vitae* of Pope Paul VI concerning birth control, and thousands of scientists supported this statement. In August, 1969 at the XI International Botanical Congress in Seattle, Washington, thirteen hundred delegates signed a statement prepared by Ted Mosquin and others, urging governments of all nations to implement policies that would encourage wide-spread adoption of effective birth control methods. On March 10, 1970, the governing board of the American Institute of Biological Sciences adopted a resolution urging the United States Government to accelerate efforts

towards implementing all methods of humane birth control at the earliest feasible time.

We of the CBA-ABC, as similarly concerned scientists, should also make our voices heard in the halls where government policies are formulated. Let us think about this and let us be prepared to do something about it at our Annual Meeting in Laval in June of this year. J.F.A.

## CBA-ABC NEWS

### 1969/1970 Executive Committee

President.....H. M. Dale (University of Guelph)  
 Vice-President.....J. R. Stein (University of British Columbia)  
 Secretary.....H. R. N. Eydtt (University of Waterloo)  
 Treasurer.....W. I. Illman (Carleton University)  
 Past-President.....J. C. Ritchie (Dalhousie University)  
 Directors:

G. W. Argus 1968-70 (Canadian Forestry Service); M. A. M. Bell 1968-70 (University of Victoria); A. Cardinal 1969-71 (Université Laval); P. B. Cavers 1969-71 (University of Western Ontario); T. Mosquin 1968-70 (Plant Research Institute, Ottawa); J. S. Rowe 1969-71 (University of Saskatchewan).

### SECTION NEWS — ACTUALITES DES DIVISIONS

This column regularly carries news as submitted to the Editor by each Section.

#### ECOLOGY SECTION

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

A very encouraging response has been received following our recent call (*CBA-ABC BULLETIN* 3(1): 2, January 1970) for volunteers of biologists willing to use their skills toward the improvement of environmental quality. We were especially pleased to note that several among the respondents were from fields other than "Ecology". Help us to keep this list growing! If you know someone whom you think could be competent to advise public and private agencies on matters having to do with preventing the deterioration of land, water and air environments, discuss it with him and urge him to volunteer his name and the requisite information for the roster. For further information, please contact J. S. Rowe.

#### GENERAL SECTION

Acting Chairman: R. I. Greyson, Department of Botany, University of Western Ontario, London, Ontario.  
 Secretary: W. I. Illman, Department of Biology, Carleton University, Ottawa.

Election of a new executive is underway and the results will be announced at the annual meeting in Laval University.

The General Section is sponsoring a Symposium at the Annual Meetings this year. Its title: Morphogenese et evolution de la fleur. The flower: morphogenesis and evolution. Date and Time: June 12, from 9 to 12 noon.

Co-Chairman: Dr. Roger Gauthier, Université de Montréal, and Dr. Richard I. Greyson, University of Western Ontario.

Contributors are: Dr. Jack Maze, University of British Columbia: "Homologies of the grass floret and a reappraisal of the angiospermous gynoecium". Dr. Joachim Vieth, Université de Montréal: "L'utilisation et l'utilité de donnée tératologiques en morphologie florale". Dr. Richard I. Greyson, University of Western Ontario: "The flower meristem as an embryological tissue". Dr. Gary S. Hicks, University of Saskatchewan: "Flower morphogenesis in tobacco: an investigation of developmental events by microsurgery in sterile culture".

#### MYCOLOGY SECTION

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

The programme committee of the Mycology Section of the CBA-ABC sent out invitations over the past several months

to personnel in Mycological Research (Mycology Section of CBA-ABC, Canadian Phytopathological Society, and Canadian Society of Microbiology) to present papers at the Annual Meeting, Laval University, June 10 - 12. So far, about twenty members have expressed a wish to contribute to our programme. We know that the presentations will be of special interest and informative as well. We would therefore like to have a good representation from the Mycological Section planning to attend.

Section members are urged to read the announcement elsewhere in this issue that arrangements for the First International Mycological Congress are proceeding. This congress will be held at the University of Exeter, Devon, England, September 7 - 16, 1971.

#### PALEOBOTANY SECTION

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

Secretary: Margaret W. Steeves, Department of Geology, University of Saskatchewan, Saskatoon.

There will be a business meeting of this Section at the Annual Meeting at Laval, the time and place to be announced there.

#### PHYCOLOGY SECTION

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

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

The 1970-71 Phycology Section Executive, as elected by the membership by mail ballot, consists of: Chairman: Dr. H. C. Duthie, Department of Biology, University of Waterloo; Secretary: Dr. Louis D. Druel, Department of Biology, Simon Fraser University; and Member-at-Large: Dr. André Cardinal, Département de Biologie, Facultés des Sciences, Université de Laval. It is understood that their term will begin immediately after the Annual Meeting.

#### SYSTEMATICS AND PHYTOGEOGRAPHY SECTION

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

Members wishing to affiliate with or learn of activities of a section should contact the Section Secretary or the Secretary of the Association.

#### FIRST INTERNATIONAL MYCOLOGICAL CONGRESS

The First International Mycological Congress will be held at the University of Exeter, Devon, England from Tuesday, September 7 to Thursday, September 16, 1971.

The main feature of the programme will be a series of 3-hour broadly-based symposia at which the speakers will be invited. These will be supplemented by meetings (arranged by the Congress Committee) on aspects of the organization of Mycology, meetings on special topics arranged by individuals, and sessions of offered papers, together with lectures of general interest, film shows, demonstrations, and exhibitions.

Membership of the Congress is open to anyone interested in mycology. The membership fee, which covers participation in all general Congress activities and all publications is £10.00 (\$25.00). Papers may be given in any language but there will be no translation service and the printed programme and correspondence will be in English.

Future announcements will be sent by the Congress Committee only to those who return a Preliminary Registration Form. The Second Circular, together with Registration Forms will be distributed in the autumn, 1970.

Circulars and additional information may be obtained from John Webster, Secretary, First International Mycological Congress, University of Exeter, Exeter, Devon, England.

#### SCIENCE AFFAIRS

The September issue (No. 3) of *SCIENCE AFFAIRS*, a quarterly publication of the Canadian Youth Science Foundation for high school students, will be a "theme issue" on "Pollution". Subscription (\$4.00 for two years, \$3.00 for high school students, 8 issues) may be obtained through the Promotion Manager, Science Affairs, Editorial Associates Ltd., 1350 Sherbrooke St. West, Montreal.

## SCITEC PREPARES FOR ACTION

The following excerpts are from recent letters sent by SCITEC President, N. R. Grace, to the Presidents of its founding organizations:

*The SCITEC Community's Role in Leadership, Coordination, Policy, Plans, and Action for Environmental Improvement.*

"We appear to have reached the "Tower of Babel" stage in the whole area of pollution and its abatement in Canada. Conflicting and irresponsible statements are being made daily. Many people are getting into the act, but little leadership or coordination of their efforts is apparent.

"As you know, SCITEC was established to enable a national approach to be given to such major issues as environmental matters where science, engineering and technology are vitally concerned. Hence, we have a responsibility here, we have a role to play, but it requires definition and clarification. Hence, your Executive has decided to organize a "Core" Conference to bring the SCITEC community's role in environmental improvement into sharp focus. This is planned for Halifax, August 23 - 25, 1970.

"Your Executive has asked Dr. W. Bridgeo, Dean of Science of St. Mary's University, who has had wide experience in environmental matters to head up a committee for this Conference. Dr. Bridgeo has graciously accepted and is building up a multi-disciplinary group."

*SCITEC'S Consideration and Response to the Lamontagne Science Policy Report.*

"I don't need to stress with you that the first major challenge of SCITEC will be to responsibly consider and constructively respond to the Senate Committee's Special Report on Canada's Science Policy.

"This report is expected in mid-summer and we are told by Senator Lamontagne that it will be comprehensive and contain a larger number of important recommendations.

"Your Executive feels that this report will have a profound influence on Canada's Science Policy for many years to come and hence, it is of paramount importance that the SCITEC community make its proper contribution to its interpretation and implementation. Hence, your Executive, following the wishes of the first Council Meeting, has appointed a small Committee which is now headed by Dr. R. C. Quitenton, to coordinate and expedite all matters related to consideration of and response to the Lamontagne Report. We have requested copies of the report in advance so that we might be in a position to know as early as possible its content and how best to organize our further consideration and response.

"In the meantime, we must develop a knowledgeable multi-disciplinary panel within the SCITEC community, from whom specific task forces and smaller panels can be chosen to study various aspects of the report. If possible, we will set up task forces that will be asked to report to a "Core" Conference within 90 days of publication of the Lamontagne Report and where, through the workshop technique, we would review the import of the task forces and plan to come up with specific resolutions and the like which would be passed on to the Federal Government."

## PLANT RESEARCH INSTITUTE IN NEW QUARTERS

The Mycology and Vascular Plant Taxonomy sections of the Canada Department of Agriculture's Plant Research Institute are now accommodated in the William Saunders Building in the Central Experimental Farm, Ottawa. The building which has been renovated and remodelled to house the two sections was dedicated to its new function on March 19th, 1970 at a ceremony attended by Mr. S. B. Williams, Deputy Minister of Agriculture, Dr. B. B. Migicovsky, Director-General, Research Branch, Department of Agriculture and some 200 visitors from other scientific establishments in Ottawa and throughout Canada.

Dr. E. J. LeRoux, Assistant Director-General (Institutes), presided and in the course of his remarks drew attention to two visitors: Dr. J. H. Craigie, the Head of the Division of Botany and Plant Pathology from 1945-1952, and Mr. H. Groh, who was first appointed as a botanist on the Experimental Farm in 1908.

After the dedication ceremonies and reception, Mr. S. G. Shtler, Associate Curator, Division of Phanerogams, Smithsonian Institution, Washington, and Secretary of the Flora

North America project, gave a special seminar on "Biosystematics in the Computer Age".

The new accommodation brings together the two parts of the Department of Agriculture's research program in systematics with a staff of 24 research scientists engaged in taxonomic, biosystematic and evolutionary studies on fungi and higher plants. The National Mycological Herbarium (DAOM - 170,000 specimens) and the Vascular Plant Herbarium (DAO - 562,000 specimens) along with the fine taxonomic library have been brought together under one roof, providing an excellent systematics research facility not only for the staff of the Department of Agriculture but also for visiting biologists from elsewhere in Canada and throughout the world.

## \$21,000 GRANT TO LINNEAN SOCIETY OF LONDON

The Linnean Society of London with pleasure and gratitude announces that the Swedish Government has approved a grant of 100,000 Swedish crowns (approximately \$21,000) towards the provision of suitable premises to ensure the protection and preservation for study of the unique collections of Carl von Linné, the great 18th century Swedish naturalist. The collections include insects, fishes, shells and plants, together with Linné's extremely valuable personal scientific library.

The Society understands that the grant was made in response to an approach by the Royal Swedish Academy of Sciences with the strong support of Professor Horstadius, a Foreign Member of the Linnean Society, and other leading Swedish biologists.

The grant was made in connection with the Appeal launched by the Linnean Society at the end of 1968. A report on this Appeal and on the development project the money is supporting has just been published, but the news of the grant from the Swedish Government arrived after printing had commenced, so it is not mentioned in the report. It is now clear that the Society will be able to carry out most of its plans for modernizing its premises and providing modern conditions for the preservation and study of these historic collections which are of continuing importance in scientific studies.

## BOTANY POSITION AT ERINDALE COLLEGE

The Botany Department of Erindale College, University of Toronto, has a position opening for the 1970-71 academic term. It is for a Botanist in the field of Taxonomy and Systematics of higher plants or the Autecology of higher plants. The applicant must have completed his Ph.D. and will be involved with research and teaching duties. Interested candidates should contact either Dr. N. P. Badenhuizen, Chairman, Department of Botany, University of Toronto, Toronto, Ontario, or Dr. P. F. Maycock, Ecology Laboratory, Erindale College, University of Toronto, 3359 Mississauga Road, North, Clarkson, Ontario.

## ITALIAN SCHOLARSHIPS FOR CANADIAN STUDENTS

The Government of Italy offers scholarships for enrolment in Italian Universities or for individual studies in Italy for the 1970-71 academic year. The awards are intended for scientific, technical and liberal art courses in all Italian Universities and Colleges, and will be available from November 1, 1970. Each scholarship consists of approximately \$150 per month and will be made for periods of from two to eight months. Sea passage may also be granted. Application forms and additional information may be obtained from any Canadian University or from the Embassy of Italy, 172 MacLaren Street, Ottawa, Ontario.

## ACTIVITIES OF THE BIOLOGICAL COUNCIL OF CANADA

1. The BCC co-sponsored the Study of Basic Biology commissioned by the Science Council of Canada and appointed the late Dr. K. C. Fisher as the Study Director. This study has now been completed and submitted to the Science Council.

2. The BCC has recently published the Panel Chairman Reports of the Study of Basic Biology and these are now available.

3. The BCC sponsored a survey of High School Biology Education under the chairmanship of Dr. D. Ross of the University of Alberta. This extensive report was completed in October 1968.

4. The BCC is now in the process of sponsoring a national conference on the Teaching of Biology in High Schools. Dr. D. G. Wilson of the University of Western Ontario is chairman of this program.

5. The BCC sponsored a submission to Senator Lamontagne's Committee on science policy in January 1969 under the chairmanship of Dr. D. Murphy, Department of National Health and Welfare. This brief presented on behalf of the members of the Council was well received by the Senate Committee.

6. The BCC is currently sponsoring the publication of a career brochure for biology students under the chairmanship of Dr. A. N. Langford of Bishop's University. This career brochure will be published shortly.

7. The BCC has played an active role in the formation of SCITEC (Association of the Scientific, Engineering and Technological Community of Canada). Dr. J. A. F. Stevenson, Past President, Dr. E. J. LeRoux, President and Dr. J. B. Armstrong, Vice President, are members of the Executive Committee of SCITEC. The BCC was one of the two organizations who financially supported the development of SCITEC at its founding meeting in January 1970.

8. The BCC has continued to support the Youth Science Foundation and the Canada-Wide Science Fair activities of the Foundation, as well as participate on the Editorial Board of Science Affairs.

9. The BCC has continued to produce on an irregular basis information bulletins of its activities.

#### PERSONALIA

*Mr. William A. Cumming*, Head, Ornamentals and Fruit Crops Section, Canada Department of Agriculture Research Station, Morden, Manitoba, received the Jackson Dawson gold medal for development of plants for northern regions of America, and contributions to propagation, from the Massachusetts Horticultural Society, in Horticultural Hall, Boston, Massachusetts, on Monday, May 4, 1970. We add our congratulations.

*Dr. Vladimir J. Krajina* of the Department of Botany, University of British Columbia, received the following citation in recognition of his outstanding accomplishments in the field

of Plant Ecology in the Pacific Northwest: "The Northwest Scientific Association, at its Annual Meeting, has, on the recommendation of the Trustees, awarded this Citation to Vladimir J. Krajina in recognition of outstanding contributions in the field of Science in the Pacific Northwest. Given at Salem, Ore., this 27th day of March, year 1970. Glenn H. Deitschman, Secretary, Lorin W. Roberts, President." Our congratulations to Dr. Krajina.

*Dr. J. C. Ritchie* will be moving July 1, 1970, from Dalhousie University to Scarborough College, University of Toronto, West Hill, Ontario, where he will assume the position of Divisional Chairman of Life Sciences and Professor of Botany.

*Dr. Pauline Snure*, Supervising Editor of the Canadian Journal of Botany deserves (and apologetically so . . . ed. note) redress for the gross misspelling of her name as Schnurr in the previous issue of our *BULLETIN*!

*W. G. (Bill) Brown* and *Erika Rempel* graduate this spring with M.Sc. degrees from the Department of Botany, University of Guelph, and *Martin Snel* with the Ph.D. degree from the same Department. Bill has gone on to a Ph.D. programme at the University of Minnesota. Martin will be Senior Plant Scientist with Eli Lilly International, Elanco Division, P/a Moersbergselaan 3, DOORN, Netherlands. Erika's plans are not yet complete.

*Robert Frost* graduates with an M.Sc. from the Department of Botany, University of Western Ontario, and plans to go on to further postgraduate work at McMaster University.

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#### NEXT DEADLINE FOR CBA-ABC BULLETIN: JULY 15

*CBA-ABC BULLETIN* is published quarterly in January, April, July and October by the Canadian Botanical Association — L'Association Botanique du Canada. It is mailed free to all members and by special arrangement to Libraries and other interested organizations. Membership fees in the CBA-ABC are \$6.00 regular, or \$2.00 student, and should be sent with the completed application form to Prof. W. I. Illman, Treasurer, Canadian Botanical Association, ELBA, Carleton University, Ottawa 1, Ontario. All correspondence for the *BULLETIN* should be directed to J. F. Alex, Editor CBA-ABC BULLETIN, Department of Botany, University of Guelph, Guelph, Ontario, Canada.

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