THE CANADIAN BOTANICAL ASSOCIATION/L'ASSOCIATION BOTANIQUE DU CANADA
26th ANNUAL MEETING

These pages provide a preliminary list of symposia speakers and papers submitted for the 26th annual meeting of CBA/ABC at the University of Windsor June 10-14, 1990. In addition to the list which follows, the meeting will also offer two workshops, one on Epi-illumination as a tool in microscopy, and the other on the course of review of manuscripts submitted to the Canadian Journal of Botany (and suggestions for optimizing the process for authors).

Three field trips have been arranged. A trip to Pelee Island and a number of normally inaccessible Lake Erie islands with unique Carolinian flora will begin on the Friday preceeding the conference and return on Sunday. Field trips during the conference to Huron River bottomlands in eastern Michigan and to the Ojibway prairie grassland preserve will occur Wedensday afternoon.

Following the banquet our speaker will be Bruce Graham, who will talk about resource management and the conservation of wilderness areas.

The Weresub Lecture will be presented by Tom Booth of the University of Manitoba. His subject will be the ecology of aquatic fungi.

The symposia are:

GREAT LAKES WETLANDS: ECOSYSTEM UNDER SIEGE

CRODER, Adelle (Queen's University) - Pollutant Absorption.

KEDDY, Paul (University of Ottawa) - Predictive Value of Wetlands.

KLARER, David (Ohio Dept. Natural Resources) - Estuarine wetlands as nutrient sinks.

MICHAELIDES, John and Bryce Kendrick (University of Waterloo) - Role of Fungi in Wetlands.

REZNICEK, Tony (University of Michigan) - Rare Species in Wetlands.

WARNER, Barry (University of Waterloo) - Origin of Wetlands in the Great Lakes Region.

WILCOX, Douglas (U.S. Fish & Wildlife Service, Ann Arbor) - Great Lakes Wetlands Overview.

FLORA OF ONTARIO

ARGUS, George W. (Canadian Museum of Nature, P.O. Box 3443, Station 'D', Ottawa, Ont. K1P 6P4, Canada) - Phytogeography of rare vascular plants in Ontario.

BRODO, Irwin M. (Canadian Museum of Nature, P.O. Box 3443, Station 'D', Ottawa, Ont. K1P 6P4, Canada) - The Lichens of Ontario.

MORTON, John K. (Dept. of Biology, University of Waterloo, Waterloo, Ont., N2L 3G1, Canada). - The Flora of Ontario - an overview of its composition, origin and phytogeographical relationships.

OLDHAM, Michael J. (Ministry of Natural Resources, Aylmer, Ontario). - The Carolinian zone of Ontario.

REZNICEK, Tony (University of Michigan). - Rare plants and their protection in Ontario.

RILEY, J.L. (Ministry of Natural Resources, Richmond Hill, Ontario). - Phytogeography and history of botanical studies in northern Ontario.

WARNER, Barry G. (Dept. of Earth Sciences and Quaternary Sciences Institute, University of Waterloo, Waterloo, Ont. N2L 3G1). - Late Quaternary phytogeographic origins of the flora in Ontario.

WINTERHALDER, Keith (Laurentian University). - Ecology of the boreal forest in Ontario.

Submitted papers:
ECOLOGY SECTION

BRIAND, Christopher H., Usher Posluszny, Douglas W. Larson and Uta Matthes-Sears. (Dept. of Botany, University of Guelph, Guelph, Ont., Canada, N1G 2W1) - Comparative architecture of swamp and cliff populations of Thuja occidentalis L. (eastern white cedar).

FAIRBARNS, Matthew. (Botany Dept., University of Alberta, Edmonton, Alberta, T6G 2E1, Canada). - Vegetation recovery following a catastrophic (herbicide) disturbance.

HERMANUTZ, Luise* and Susan Weaver. (Dept. of Plant Sciences, University of Western Ontario, London, Ont. N6A 5B7, and Agriculture Canada, Harrow, Ont., N0R 1G0) - Outcrossing in the agrestral weed, Solanum ptycanthum (eastern black nightshade).

HOGENBIRK, John C.* and Ross W. Wein. (Dept. of Botany and Boreal Institute for Northern Studies, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada) - The potential for weedy species invasion of northern wetlands from seed banks following climate change.

KRANNITZ, Pam G.* and Lonnie W. Aarssen. (Dept. of Biology, Queen's University, Kingston, Ont., K7L 3N6, Canada) - Mechanisms of competition for phosphate (Pi) between two genotypes of Arabidopsis thaliana (L.) Heynh.

MONTAGNES, Joan* and Dale Vitt. (Dept. of Botany, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada). - Patterns of morphological variation in the brown moss Meesia triquetra over an arctic-boreal gradient.

MOSSELER, Alexander J. (Forestry Canada, Newfoundland and Labrador Region, P.O. Box 6028, St. John's, Newfoundland, A1C 5X8, Canada.) - Natural interspecific gene flow in willows (Salix L.).

NERNBERG, Dean. (Dept. of Botany, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada) - Germination and survivorship of six native grasses along a prairie catena.

READER, Richard. (Dept. of Botany, University of Guelph, Guelph, Ont., N1G 2W1, Canada). - Does disturbance increase understory species richness in Carolinian deciduous forest?

REEKIE, Edward* and Robert Redmann. (Dept. of Biology, Acadia University, Wolfville, Nova Scotia, B0P 1X0, Canada). - The effect of rapidly-induced versus gradually-induced water stress on leaf demography in four grass species.

STADT, John. (Dept. of Botany, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada). - Pinus contorta community dynamics in Banff and Jasper National Parks.

STEWART, James* and Victor Lieffers. (Forest Science Dept., University of Alberta, Edmonton, Alberta, T6G 2H1, Canada) - Preconditioning effects of multiple drought cycles and relative nitrogen addition rate on lodgepole pine seedlings.

VASSEUR, Liette* and Lonnie W. Aarssen. (Dept. of Biology, Queen's University, Kingston, Ont., K7L 3N6, Canada) - Pattern and amount of plasticity in Lemna minor L.

WRIGHT, R.A.*, R.W. Wein and B.P. Dancik. (Dept. of Forest Science, University of Alberta, Edmonton, Alberta, Canada, T6G 2H1). - Maternal effects and genetic differentiation in seedling root growth form in jack pine at two spatial scales.

ZHANG, Jianhua* and M.A. Maun. (Dept. of Plant Sciences, University of Western Ontario, London, Ont., N6A 5B7, Canada). - A new pattern of seed mass-seedling size relationship in Agropyron psammophilum.

SYSTEMATICS AND PHYTOGEOGRAPHY

BAYER, Randall J. (Dept. of Botany, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada). - A phylogenetic reconstruction of Antennaria (Asteraceae: Inuleae).

CAMPBELL, Ian D. (Dept. of Botany, Royal Ontario Museum, 100 Queen's Park, Toronto, Ont., M5S 2C6, and Dept. of Botany, University of Toronto, Toronto, Ont., M5S 3B2) - Cluster analysis of Late Holocene Ontario pollen diagrams.

CATLING, Paul* and Vivian Catling. (8 Scrivens Drive, R.R. #3, Metcalfe, Ont., K0A 2P0, Canada). - The floristic composition and extent of the Rice Lake Plains.

CRINS, William J. (Biological Survey, New York State Museum, Albany, New York, U.S.A. 12230) - Edaphic differentiation between two sister species in Carex: a test of a phytogeographic hypothesis.

DOWNIE, Stephen R.* and Jeffrey D. Palmer. (Dept. of Biology, Indiana University, Indiana, U.S.A. 47405) - The use of chloroplast DNA rearrangements in phylogenetic reconstruction.

McCANNY, Stephen* and Ross Nicholson. (Dept. of Biology, University of Saskatchewan, Saskatoon, Sask. S7N 0W0). - Productivity and species richness on the Great Plains.

MUNIYAMMA, M.[1*] and G.P. Basappa[2]. (1 - Dept. of Plant Sciences, University of Western Ontario, London, Ont., N6A 5B7, and 2 - D.R.S. College, Shimoga, 577 201, Karnataka, India). - Cytological studies in Brachiaria setigera (Retz.) C.E. Hubb.

PHIPPS, James B.[1*], Norman F. Weeden[2] and Elizabeth E. Dickson[2] (Dept. of Plant Sciences, Univ. of Western Ontario and Dept. of Horticultura Science, Cornell University, Geneva, N.Y.). - Further evidence on the relationships of Mespilus canescens (Phipps) Rosaceae.

STRUCTURE AND DEVELOPMENT

COTE, Richard*, Jean M. Gerrath and Bernard Grodzinski. (Dept. of Horticultural Science, University of Guelph, Guelph, Ont., N1G 2W1, Canada). - Leaf development in conventional and semi-leafless peas (Pisum sativum L).

KEMP, James R.* and Usher Posluszny. (Dept. of Botany, University of Guelph, Guelph, Ont., N1G 2W1, Canada). - Development of the Hypanthium and Androecium of Rosa setigera.

MAXWELL, Christine D. (Biology Dept., Trent University, Peterborough, Ont., K9J 7B8, Canada). - Floristic changes in the soil algae and cyanobacteria following a revegetation treatment in Sudbury, Ontario.

RIDING, Richard. (Dept. of Biology, University of New Brunswick, Fredericton, New Brunswick, E3B 6E1, Canada). - Conducting system of Pinus taeda needles.

ZOBEL, Alicja*, Christine Maxwell, Mieczyslaw Kuras and Teresa Tykarska. (Dept. of Chemistry, Trent University, Peterborough, Ont., K9J 7B8, Canada). - Phenolic compounds as a defense system in covering tissue of plant shoot.

ZOBEL, Alicja M. (Dept. of Chemistry, Trent University, Peterborough, Ont., Canada, K9J 7B8) - Mother cells for nodes and internodes originate directly under the tunica in some plants.

MYCOLOGY

FARQUHAR, Melissa* and Larry Peterson. (Dept. of Botany, University of Guelph, Guelph, Ont., N1G 2W1, Canada). - Early effects of the ectomycorrhizal fungus Paxillus involutus on the root rot organism Fusarium oxysporum associated with Pinus resinosa.

JACOBS, P.F.* and R.L. Peterson. (Dept. of Botany, University of Guelph, Guelph, Ont., N1G 2W1, Canada). - A structural and developmental analysis of an E-strain ectendomycorrhizal association.

JONES, Melanie*, Daniel Durall and Bernard Tinker. (Natural Environment Research Council Mycorrhizal Unit, Dept. of Plant Sciences, Oxford, OX1 3PF, U.K.). - Carbon costs and carbon use efficiency of willow ectomycorrhizae.

MOORE, A.E.P.* and R.L. Peterson. (Dept. of Botany, University of Guelph, Guelph, Ont., N1G 2W1, Canada). - Sclerotium initiation in the ectomycorrhizal fungus, Paxillus involutus.

OTHER

KELLY, Douglas*, Edward Reekie and Peter Hicklenton. (Dept. of Biology, Acadia University, Wolfville, Nova Scotia, B0P 1X0, Canada). - The effect of elevated carbon dioxide on photosynthetic inhibition in hybrid geranium.

POFELIS, Shoshana, Hoan Le, and William F. Grant*. (Dept. of Plant Science, MacDonald College of McGill University, Ste. Anne de Bellevue, Quebec, H9X 1C0) - The Development of Sulfonylurea Herbicide Resistant Birdsfoot Trefoil (Lotus corniculatus) plants from in vitro selection.

SANGSTER, Allan* and Martin J. Hodson. (Division of Natural Sciences, Glendon College, York University, Toronto, Ont., M4N 3M6, Canada). - Localized silicification sites in the leaf and lemma awn of Triticum aestivum.