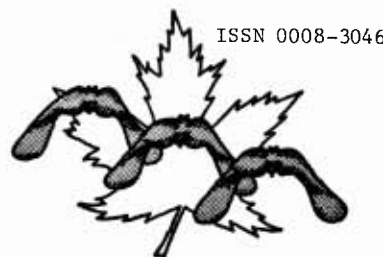


THE CANADIAN BOTANICAL ASSOCIATION

BULLETIN

L'ASSOCIATION BOTANIQUE DU CANADA



JANUARY 1986

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NUMBER 1

VANCOUVER

PATRON

HER EXCELLENCY THE RIGHT HONOURABLE JEANNE SAUVÉ,
P.C., C.C., C.M.M., C.D., GOVERNOR GENERAL OF CANADA

PATRON

SON EXCELLENCE LA TRÈS HONORABLE JEANNE SAUVÉ,
C.P., C.C., C.M.M., C.D., GOUVERNEUR GÉNÉRALE DU CANADA

PRESIDENT'S MESSAGE

CBA/ABC is nearly twenty two years old. It has grown to serve botanists throughout Canada as a scientific society and to represent their interests to government, industry and other sectors of the scientific community. It is perhaps time for the Association to look further afield, specifically I suggest to the general public. Many individuals are already active in public education about botany, but our corporate voice is the Conservation Committee and it is now time for individual CBA/ABC members to follow where Dianne Fahselt and her seemingly tireless associates have so ably held. The Committee's successes have continued, in my view, for one major reason ... the written and spoken presentations of the Committee have been firmly based on the convictions of thoroughly well informed professionals. The result is that CBA/ABC is a credible voice in committee and board rooms across Canada.

The opportunity must now be pursued to educate the general public to a greater, less sentimental awareness of plants. Gardening is fashionable and the cocktail circuit conversation often includes debate over ecologically unique areas, such as Backus Marsh and Lyell Island. The 'yuppies', some of whom work for industries that have long traditions of hostility to conservation, have joined the 'ecofreaks' to campaign for sensible conservation policies. Our goal as the national botanical organization is to exploit this heightened public awareness and provide strong supporting education for the public.

The community centres, public libraries, museums, Science and Technology centres and schools are open for us to work for further public education about plants. My wish for each CBA/ABC member in 1986 is that you can 'engineer' one invitation to talk about plants to some audience in your community. You may not be asked directly, so I urge you to volunteer. Your reward will be the discovery of a large number of people who are genuinely interested in plants and who want to learn more. When we meet in Sudbury for our Annual Meeting we will be in an environment that seemed almost destroyed, and whose recovery is a monument to the dedication, scientific skills and public activities of botanists in their community.

"Plants do it in daylight" reads the bumper sticker.

Our slogan should be "Canadian Botanists do it in public".

Iain Taylor

CBA ANNUAL MEETING 1986
LAURENTIAN UNIVERSITY - SUDBURY,
JUNE 22 -25

You are cordially invited to Laurentian University for the 22nd Annual Meeting of the Canadian Botanical Association. This is the first time that the Association has met in Sudbury, and we hope to provide some interesting and sometimes unique experiences.

Laurentian University is situated on the southern edge of the City of Sudbury, which is conveniently situated on the Trans-Canada Highway (500 Km west of Ottawa, 1630 Km east of Winnipeg) and Highway 69 (400 Km north of Toronto). It is served by Via Rail (Toronto, Montreal, Winnipeg, etc.), by Greyhound, Gray and Voyageur buslines and by Air Canada, Air Ontario, Nordair and Voyageur Airways (Toronto-Sudbury).

SCHEDULE

June 22 (Sunday)

8.00 a.m. - 6.00 p.m. One-day pre-conference field trip to the Killarney Range (see details below).

p.m. Arrival and Registration

Outgoing Executive Meeting

Cinq-Mars Judges' meeting

evening Informal reception

June 23 (Monday)

a.m. Registration

Opening ceremonies

Symposium: "The Disturbed Ecosystem" (details below)

Sectional meetings *

p.m. Contributed papers/posters

Sectional meetings *

evening Optional cruise on Lake Ramsey & visit to Science North.

"The Flora of Manitoulin Island" slide presentation by Dr. John Morton.

June 24 (Tuesday)

a.m. Ecology Section Symposium: "Boreal Forest Ecology"

Contributed papers/posters

p.m. Half-day field trips
(see details below)

RÉUNION ANNUELLE DE L'ABC 1986
UNIVERSITÉ LAURENTIENNE - SUDBURY
22 AU 25 JUIN

Vous êtes cordialement invités à l'Université Laurentienne pour la 22^e réunion annuelle de l'Association botanique canadienne. C'est la première fois que l'Association se réunit à Sudbury et nous prévoyons pour vous des expériences intéressantes et peut-être uniques.

L'Université Laurentienne se trouve à l'extrémité sud de la ville de Sudbury, laquelle est commodément située sur la route Trans-Canada (500 Km à l'ouest d'Ottawa, 1630 Km à l'est de Winnipeg) et sur la route 69 (400 km au nord de Toronto). La ville de Sudbury est desservie par Via Rail (Toronto, Montreal, Winnipeg, etc.), par les compagnies d'autobus Greyhound, Gray et Voyageur, et par les compagnies aériennes Air Canada, Air Ontario, Nordair et Voyageur (Toronto-Sudbury).

HORAIRE

Dimanche, 22 juin

de 8h à 18h: excursion, avant la conférence, dans le chaînon de Killarney (voir les informations ci-dessous)

après-midi: arrivée et inscription

réunion du comité exécutif sortant

réunion des juges du concours Cinq-Mars

soirée: réception d'accueil

Lundi, 23 juin

matinée: inscription

cérémonies d'ouverture

symposium: "l'écosystème stressé"
(voir informations ci-dessous)

réunion des différentes sections *

après-midi: communications et présentations d'affiches

réunion des différentes sections *

soirée: croisière sur le lac Ramsey et visite à Science Nord (facultatif)

projection de diapositives par le Dr. John Morton: "la flore de l'île Manitoulin"

Alternate/family programme events

evening Weresub Memorial Lecture
Mr. Greg Thorn
"Carnivorous Mushrooms"
(not confirmed)

June 25 (Wednesday)

a.m. Symposim: "Plant-Insect Relationships"
(see details below)

Contributed papers/posters

Sectional meetings *

p.m. Symposium: "Geobotany, Bioindicators and Biomonitoring"
(see details below)

Contributed papers/posters

CBA Annual General Meeting

Incoming Executive meeting

evening CBA banquet

Presentation of awards

Entertainment

June 26 - 28 (Thursday - Saturday)

Three-day post-conference
Boreal Forest Ecology
field trip (details below)

Three-day post-conference
field trip to Manitoulin
Island (see details below)

* Sectional meeting times will be finalized when the programme details are complete.

Details of Field Trips

1. Killarney Range Sunday June 22, 8.00 a.m. - 6 p.m. All day field trip to the scenic and botanically interesting LaCloche Range, Killarney Provincial Park (canoeing and hiking). Overnight camping available for those who might be interested. (Leader: Ian MacDonald)
Approximate cost: \$20 (lunch included)

2. Sudbury Barrens and Land Reclamation Sites Tuesday, June 24, 12.30-5.00 p.m. Afternoon field trip to view the results of revegetating acid, metal-contaminated barren land over a period of eight years, as well as a visit to untreated land being colonized by tolerant species such as *Deschampsia caespitosa* and *Betula pumila*. Revegetated mine tailings on Inco and Falconbridge Nickel land will also be included in the tour. (Leader: Keith Winterhalder).
Approximate cost: \$10

Mardi, le 24 juin

matinée: symposium de la section écologique: "écologie de la forêt boréale"

communications et présentations d'affiches

après-midi: excursions d'une demi-journée (voir informations ci-dessous)

ou activités du programme familial

soirée: conférence commémorative Weresub: "champignons carnivores" par M. Greg Thorn (non confirmé)

Mercredi, 25 juin

matinée: symposium: "relations plante-insecte"
(voir informations ci-dessous)

communications et présentations d'affiches

réunion des différentes sections *

après-midi: symposium: "géobotanique, bio-indicateurs et bio-monitoring"
(voir informations ci-dessous)

communications et présentations d'affiches

assemblée générale annuelle de l'ABC

réunion du nouveau comité exécutif

soirée: banquet de l'ABC

présentation des prix

divertissement musical

Du jeudi, 26 juin au samedi, 28 juin

excursion de trois jours, après la conférence: écologie de la forêt boréale
(voir informations ci-dessous)

excursion de trois jours, après la conférence, à l'île Manitoulin
(voir informations ci-dessous)

* L'horaire exact des réunions des différentes sections sera déterminé quand le programme sera complété.

Informations sur les excursions

1. Chafnon de Killarney, dimanche, 22 juin, de 8h à 18h. Excursion d'une journée entière au chafnon de la Cloche, point pittoresque et d'intérêt botanique, dans le parc provincial de

3. The vegetation of the Sudbury Basin and its Northern Rim Tuesday, June 24, 12.30-5.00 p.m. Afternoon field trip, north from Sudbury on Highway 144 as far as Halfway Lake Provincial Park. Will include revegetated barren land near Copper Cliff, succession on old fields in the Chelmsford Valley (lake sediment in a meteorite crater), Pinus banksiana forest on glacial outwash, bog succession and Pinus strobus forest on Precambrian granite outcrops. (Leader: Peter Beckett and Gerard Courtin).

Approximate cost: \$10

4. The High Falls Watershed Tuesday, June 24, 12.30-5.00 p.m.. Afternoon field trip to visit the Ontario Ministry of the Environment's High Falls calibrated watershed, part of the M.O.E.'s APIOS (Acid Precipitation in Ontario Study). (Leader: John Negusanti)

Approximate cost: \$10

5. The Geology of the Sudbury Basin The Sudbury Basin, a geological feature 60 Km long and up to 27 Km wide, is thought to have been formed million of years ago by meteorite impact. On the rim of the basin is the ore body, the "nickel irruptive", that has made Sudbury the "Nickel Capital" of the western world. (Leaders: members of the Laurentian University Geology Department)

Approximate cost: \$10

6. Boreal Forest Ecology & Silviculture Thursday, June 26 - Saturday, June 28. Leaving Sudbury Thursday morning, will proceed to Sault Ste. Marie and the Turkey Lakes Watershed (hydrology and site classification), Batchawana Bay (wetland) and the Great Lakes-Boreal forest transition. Accommodation Thursday night will be at the Lakeshore Resort. On Friday, participants will view riverine forest at the Montreal River, a pine-lichen community at Lake Superior Provincial Park, arctic relicts at Old Woman Bay and pictographs at Agawa. Overnight accommodation will be at Wawa. On Saturday, the group returns to Sudbury via Chapleau, looking at silvicultural practices and site classification. (Leaders: John Jeglum & Richard Sims).

Approximate cost: \$300 (including accommodation and food).

7. Manitoulin Island Thursday, June 26-Saturday, June 28. Three-day trip to the world's largest freshwater island to explore the rich flora and varied landscapes of its dolomite and limestone pavement, cliffs and ledges, its rocky shores and dunes and its granite and quartzite outcrops. (Leaders: John Morton & Joan Venn).

Approximate cost (including overnight accommodation at Gore Bay Lodge): \$200

Killarney (canotage et randonnée). Pour ceux qui seraient intéressés, il est possible d'y camper la nuit. (Guide: Ian MacDonald)

Coût approximatif: 20 dollars (déjeuner compris)

2. Terres stériles et terrains remis en état de Sudbury, mardi, 24 juin, de 12h30 à 17h. Excursion pour examiner les résultats de régénération de la couverture végétale, pendant en période de huit ans, d'une terre stérile par contamination acide et métallique; ainsi qu'une visite à une terre non-traitée colonisée par des espèces tolérantes telles que Deschampsia caespitosa et Betula pumila. La visite comprend aussi les terrains de déchets miniers de Inco et de Falconbridge dont la couverture végétale a été régénérée. (Guide: Keith Winterhalder)

Coût approximatif: 10 dollars

3. La végétation du bassin de Sudbury et de son pourtour septentrional, mardi, 24 juin, de 12h30 à 17h. Excursion, au nord de Sudbury, sur la route 144 jusqu'au parc provincial du lac Halfway. Cela comprendra des terres stériles dont la couverture végétale a été régénérée, près de Copper Cliff, succession sur anciens champs dans la vallée de Chelmsford (sédiments lacustres dans en cratère de météorite), une forêt Pinus banksiana sur des dépôts fluviaux glaciaires, succession sur tourbières et une forêt Pinus strobus sur des affleurements de granit précambrien. (Guides: P. Beckett et G. Courtin)

Coût approximatif: 10 dollars

4. Le déversoir de High Falls, mardi, 24 juin, de 12h30 à 17h. Excursion pour visiter le déversoir calibré du ministère de l'Environnement de l'Ontario, un projet du Groupe d'étude des précipitations acides en Ontario du ministère. (Guide: John Negusanti)

Coût approximatif: 10 dollars

5. La géologie du bassin de Sudbury. On pense que le bassin de Sudbury, une particularité géologique de 60 km de long et jusqu'à 27 km de large, a été formé par l'impact d'un météorite, il y a de cela plusieurs millions d'années. Sur le bord du bassin, on trouve le gisement, l'"irruptif de nickel", qui a fait de Sudbury la "capitale du nickel" du monde occidental. (Guides: des membres du département de Géologie de l'Université Laurentienne)

Coût approximatif: 10 dollars

6. Ecologie de la forêt boréale et sylviculture, du jeudi, 26 juin au samedi, 28 juin. Départ de Sudbury le jeudi matin pour se rendre à Sault Ste-Marie et au déversoir des lacs Turkey (hydrologie et classification de site), à Batchawana Bay (terre humide) et à la transition entre la forêt boréale et celle des grands lacs. Les participants passeront la nuit du jeudi au Lakeshore Resort. Le vendredi, les

Details of Symposia

1. The Stressed Ecosystem

The speakers taking part, and their topics, include:

Dr. Alastair H. Fitter (York, U.K.)
Mycorrhizas in stressed ecosystems

Dr. Tom C. Hutchinson (Toronto)
The response of ecosystems to metal stress.

Dr. Peter J. Marchand (Johnson State, Vermont)
Stress at high elevations

Dr. B. A. Roberts (CFS St. John's)
Stress in serpentinized areas

Dr. David W. Schindler (Freshwater Inst., Winnipeg)
Stress in aquatic systems
(not confirmed)

Dr. William H. Smith (Yale)
Air pollution stress in forests

2. Boreal Forest Ecology

The speakers taking part, and their topics, include:

Dr. Paul Maycock (Erindale College)
(not confirmed)

Dr. Jeff Pierpoint (MNR Toronto)
or Dr. Keith Jones (CFS Toronto)
Boreal forest site classification.

Dr. Stan Rowe (Saskatchewan)
(not confirmed)

Mr. Peter Scott, Dr. Roger Hansell
et al. (Toronto)
Changes in tree-line at Churchill,
Manitoba in response to climatic
change.

Dr. Roger Suffling (Waterloo)
Stand mosaics in boreal forest

3. Plant-Insect Relationships (co-ordinator Dr. J.D. Shorthouse, Laurentian University)

The speakers taking part, and their topics, include:

Dr. Gordon M. Howse (Canadian Forestry Service)
The impact of insects on northern forests

Dr. Peter Kevan (Guelph)
Insect pollination ecology

Dr. Joe Shorthouse (Laurentian)
Insect gall ecology

Dr. A. Watson (MacDonald College)
Biological control of weeds

participants verront une forêt riveraine à la rivière Montréal, une communauté pin-lichen au parc provincial du lac Supérieur, des résidus arctiques à Old Woman Bay et des pictographes à Agawa. Les participants passeront la nuit à Wawa. Le samedi, le groupe reviendra à Sudbury par Chapleau avec, au passage, la possibilité de voir des méthodes de sylviculture et classification de site. (Guides: John Jeglum, Richard Sims)
Coût approximatif: 300 dollars (logement et repas inclus)

7. Ile Manitoulin, du jeudi, 26 juin au samedi, 28 juin. Un voyage de trois jours à l'île d'eau douce la plus grande du monde, pour explorer la flore luxuriante et les divers paysages de son pavement de dolomite et de calcaire, ses falaises et corniches, ses côtes rocheuses et ses dunes, et ses affleurements de granit et de quartzite. (Guides: John Morton et Joan Venn)
Coût approximatif (comprenant logement et repas à Gore Bay Lodge): 200 dollars.

Informations concernant les symposiums

1. L'écosystème stressé

Voici la liste des conférenciers et de leur sujets:

Dr. Alastair H. Fitter (York, R.U.)
Les mycorhizes dans des écosystèmes stressés

Dr. Tom C. Hutchinson (Toronto)
La réaction des écosystèmes au stress métallique

Dr. P. J. Marchand (Johnson State, Vermont)
Le stress à haute altitude

Dr. Bruce A. Roberts (Service canadien des forêts de St-John)
Le stress dans les régions de serpentine

Dr. David W. Schindler (Institut Freshwater, Winnipeg)
Le stress dans les systèmes aquatiques (non confirmé)

Dr. William H. Smith (Yale)
Le stress de la pollution de l'air dans les forêts

2. Ecologie de la forêt boréale

Voici la liste des conférenciers et de leurs sujets:

Dr. Paul Maycock (Collège Erindale)
(non confirmé)

Dr. Jeff Pierpoint (ministère des Richesses naturelles de Toronto) ou
Dr. Keith Jones (Service canadien des forêts de Toronto)
Classification de site dans une forêt boréale

M. Peter Scott, Dr. Roger Hansell et autres (Toronto)
Changements à la limite des arbres à

4. Geobotany, bioindicators and biomonitoring (co-ordinator Dr. Peter J. Beckett, Laurentian Univ.)

The speakers taking part, and their topics, include:

Dr. Paul Addison (CFS, Ottawa)
Biomonitoring gas plants in Alberta

Dr. S. Aronoff (DIPIX Syst., Ottawa)
& Dr. C. Dunn (Sask. Geol. Survey, Regina)
Biogeochemical anomalies & LANDSAT imagery

Dr. Peter Beckett & Dr. Glenn Parker (Laurentian)
Mushrooms as indicators of environmental contamination

Dr. Mike Boyer (York)
Geobotany and remote sensing

Dr. Roger Cox (CFS, Fredericton)
Plant reproduction as an indicator of air pollution

Dr. K. Puckett (Atmospheric Environ. Service, Toronto)
Lichens as biomonitors

Photo Salon A botanical illustration and photographic competition is being organized. The exhibition of prints, slides and illustrations will be held in the Laurentian Arboretum Pavilion during the conference. Details will be included with the information package to be sent out in February, 1986.

Alternate/Family Programme

Some or all of the following will be arranged at various times during the meeting according to demand: visits to Science North and to Science North's Big Nickel mine; boat cruises on Lake Ramsey; visits to Laurentian University's Museum and Art Centre and Sudbury's Flour Mill Museum; swimming in Laurentian's Olympic Gold Pool; canoeing on Lake Nepahwin; harness racing at Sudbury Downs; visit to the O'Donnell roast bed site; viewing of slag pouring; visit to the Copper Cliff smelter; tour of Northern Breweries; visit to the Sudbury Theatre Centre. See also "The Geology of the Sudbury Basin" under "Details of Field Trips".

Registration, accommodation, meals, etc.

Meeting and field-trip registration forms and information on accommodation (University residence, motel, campsites), etc., will be mailed to members in February, 1986.

The registration fee is likely to be around \$50.00 for regular members and \$40.00 for students.

Churchill, Manitoba, en réaction au changement climatique.

Dr. Roger Suffling (Waterloo)
Mosaïques des arbres sur pied dans une forêt boréale

3. Relations plante-insecte
(coordinateur: Dr. J. D. Shorthouse, Université Laurentienne)
Voici la liste des conférenciers et de leurs sujets:

Dr. Gordon M. Howse (Service canadien des forêts)
L'impact des insectes sur les forêts du Nord

Dr. Peter Kevan (Guelph)
Ecologie de la pollinisation par les insectes

Dr. Joe Shorthouse (Laurentienne)
Ecologie de la galle produite par les insectes

Dr. Alan Watson (Collège MacDonald)
Contrôle biologique des mauvaises herbes

4. Géobotanique, bio-indicateurs et biomonitoring (coordinateur: Dr. P. J. Beckett, Université Laurentienne)
Voici la liste des conférenciers et de leurs sujets:

Dr. Paul Addison (Service canadien des forêts d'Ottawa)
Biomonitoring des usines de gaz en Alberta

Dr. Stan Aronoff (Systèmes DIPIX, Ottawa) et Dr. Colin Dunn (Commission géologique de Saskatchewan, Regina)
Anomalies biogéochimiques et images LANDSAT

Dr. Peter Beckett et Dr. Glenn Parker (Laurentienne)
Les champignons en tant qu'indicateurs d'une contamination de l'environnement

Dr. Mike Boyer (York)
Géobotanique et télédétection

Dr. Roger Cox (Service canadien des forêts, Fredericton)
La reproduction végétale comme indication de la pollution de l'air

Dr. Keith Puckett (Service de l'environnement atmosphérique, Toronto)
Les lichens comme biomoniteurs

CALL FOR PAPERS This announcement constitutes the first call for papers for the Annual Meeting 1986. Members are urged to participate by submitting abstracts for oral presentations or posters using the abstract form provided. Contributed papers will be allotted a total of 15 minutes (presentation and discussion). Additional copies of the abstract form will be mailed on request.

Papers and posters on themes related to the conference symposia will be especially appreciated.

Students wishing to enter their paper in competition for the Lionel Cinq-Mars Award should indicate this on the abstract form.

Friday, March 21 is the deadline for the submission of abstracts.

Salon de la photo

Un concours de photographies et d'illustrations botaniques est ouvert. Pendant la conférence, il y aura une exposition de photos, diapositives et illustrations au Pavillon de l'Arboretum de la Laurentienne. De plus amples informations seront envoyées en février 1986.

Programme familial

A différents moments, au cours de la réunion, quelques unes ou toutes les activités suivantes seront organisées, selon la demande: visites à Science Nord et à la mine Big Nickel; croisières sur le lac Ramsey; visites au musée et centre des arts de l'Université Laurentienne et au musée du Moulin à Fleur de Sudbury; natation dans la piscine de l'or olympique de la Laurentienne; canotage sur le lac Nepawhin; courses de trot au Sudbury Downs; visite à l'emplacement de la fonderie à ciel ouvert O'Donnell; observation des coulées de scories; visite à la fonderie de Copper Cliff; visite au théâtre de Sudbury. Voir aussi "la géologie du bassin de Sudbury" sous la rubrique "informations sur les excursions".

Inscription, logement, repas, etc.

Les formulaires d'inscription pour les réunions et les excursions, ainsi que les informations concernant les possibilités de logement (résidences de l'Université, motels, terrains de camping), etc..., seront envoyés aux membres en février 1986.

Les frais d'inscription seront d'environ 50 dollars pour les membres réguliers et de 40 dollars pour les étudiants.

SOUSSION DES COMMUNICATIONS

Cet avis est la première invitation à soumettre des communications pour l'assemblée annuelle de 1986. Les membres sont encouragés à participer en employant, pour leurs résumés de présentations orales ou d'affiches, les formulaires fournis. On accorde 15 minutes pour chaque communication (présentation et discussion). Des formulaires supplémentaires de résumé seront envoyés sur demande.

Les communications et affiches portant sur les mêmes sujets que les symposiums seront particulièrement appréciées.

Les étudiants, désirant présenter une communication dans le cadre du prix Lionel Cinq-Mars, doivent le mentionner sur le formulaire de résumé.

La date limite de soumission des résumés est le vendredi, 21 mars.

OFFICERS OF CBA/ABC 1985-1986

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Univ. British Columbia

Past-President: Mr. Gerry A. Mulligan
Biosyst. Res. Inst.

Vice-President: Prof. K. Winterhalder
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Dr. A. A. Reznicek
Univ. of Michigan

Editor Bulletin: Dr. Luis Oliveira
(ex off.) Univ. Br. Columbia

Archivist: Dr. W. I. Illman
Carleton Univ.

NEWS FROM THE SECTIONS

Ecology Section

Chairman: Bruce A. Roberts, Can.
Forestry Serv., P.O. Box
6028, St. John's,
Nfld A1C 5X8

General Section

Chairman: J. E. MacDonald, Dept. Forest
Resources, Univ. New Brunswick
Bag Serv. #44555, Fredericton,
N. B. E3B 6C2

Mycology Section

Chairman: J. E. Traquair, Harrow Res.
Station, Harrow, Ont. N0R 1G0

The Mary Elliott Foray of the mycological section of the Canadian Botanical Association was held in conjunction with a mycological foray of the Biology Department of Acadia University which was celebrating the 75th Anniversary on September 21st, 1985. It was under the leadership of D.W. Grund and K.A. Harrison and was held in the ravine at the Kentville

Agricultural Centre. The leaders were supported by Graham Cheeseman, Scott Cunningham and Ken J. Harrison, ex-students of Acadia. Some 35 collectors took part in the event and the following is a list of what was gathered in spite of very dry weather during the previous seven weeks. The records are sight observations and the field labels used when material was laid out for display later in the K.A. Harrison Mycological Laboratory, Acadia, after the foray. One of the interesting observations about the foray was made by Dr. Chalmers Smith who said, "I went on my first mycological foray in the Kentville Ravine with Ken Harrison in September 1932."

Fungi collected or observed and discussed :

Lycogola epidendrum L:Fr., on rotting wood.
Fuligo septica Wiggers, on wood duff
Gomphus kauffmanii (A.H. Smith) Corner, mixed woods.

Clavariaceae

Clavariadelphus pistillaris (Fr.) Donk
Clavulina cristata (Fr.) Schroet.
Clavulinopsis fusiformis (Fr.) Corner
Ramaria sp.
Cantharellus cibarius Fr.
Cantharellus tubaeformis Fr.

Russulaceae

Lactarius vinaceorufescens A.H. Smith.
Lactarius cinereus Pk.
Lactarius griseus Pk.
Lactarius deceptivus Pk.
Lactarius deliciosus (Fr.) S.F. Gray
Lactarius lignyotus Fr.:Fr.
Lactarius mucidus Burl.
Lactarius subdulcis (Fr.) S.F. Gray
Lactarius vellereus Fr.:Fr.
Russula brevipes Pk.
Russula densifolia Gill.
Russula lutea (Hudson:Fr.) Fr.

Tricholomataceae

Laccaria laccata (Scep:Fr.) Cke.
Laccaria ochropurpurea (Berk.) Pk
Tricholoma saponaceum (Fr.) Staude
Tricholoma sejunctum (Sow:Fr.) Quel
Tricholoma virgatum (Fr:Fr.) Kummer
Clitocybe clavipes (Pers.:Fr.) Kummer
Clitocybe dealbata (Sow.:Fr.) Kummer
Lepista nuda (Bull.:Fr.) Cke.
Tricholomopsis decora (Fr.) Sing
Armillariella mellea (Vahl.:Fr.) Karst.
Cantharellula umbonata (Fr.) Sing
Catathelasma imperale (Fr. in Lund) Sing.
Collybia acervata (Fr.) Kummer.

- Collybia dryophila (Bull.:Fr.) Kummer
Collybia tuberosa (Bull.:Fr.) Kummer
Collybia cirrhata (Pers. ex Pers.) Quel.
Oudemansiella radicata (Relh.:Fr.) Sing.
Mycena haematopus (Fr.) Kummer
Xeromphalina campanella (Batsch:Fr.) Kuhnner & Maire
Panellus stipticus (Bull.:Fr.) Karst.
Paxillus involutus (Batsch:Fr.) Fr.
Paxillus atrotomentosus (Batsch:Fr.) Fr.
- Amanitaceae
Amanita atkinsoniana Coker
Amanita brunnescens Atk.
Amanita citrina (Schaeff.:Fr.) S.F. Gray
Amanita flavoconia Atk.
Amanita gemmata (Fr.) Bertillon
Amanita muscaria (L.:Fr.) Hooker
Amanita porphyria (Pers.:Fr.) S.F. Gray
Amanita rubescens (Pers.:Fr.) S.F. Gray
Amanita virosa (Lam.:Fr.) Gill.
Cystoderma amianthium (Scop.:Fr.) Fayod
- Entolomataceae
Pluteus cervinus (Schaeff.:Fr.) Kummer
Clitopilus prunulus (Scop.:Fr.) Kummer
Entoloma abortivus (Berk. & Curt.) Donk
- Coprinaceae
Coprinus comatus (Muller) S.F. Gray
- Strophariaceae
Pholiota adiposa (Fr.) Kummer
Stropharia hornemannii (Fr.:Fr.) Lundell & Nannf.
Stropharia aurantiaca (Cke.) Orton
- Cortinariaceae
Inocybe substricta Kauff.
Cortinarius semisanguineus (Fr.) Gill.
Cortinarius armillatus (Fr.:Fr.) Fr.
Cortinarius traganus (Fr.:Fr.) Fr
- Boletaceae
Tylopilus pseudoscaber (Sing.) Smith & Thiers
Boletus edulis Bull.:Fr.
Boletus subtomentosus Fr.
Boletus ornatus Pk.
Suillus brevipes (Pk.) Kuntze
Suillus granulatus (L.:Fr.) Kuntze
Suillus grevillei (Klotz.) Sing.
Suillus luteus (L.:Fr.) S.F. Gray
Suillus intermedius (Smith & Thiers) Smith & Thiers
Suillus placidus (Bon.) Sing.
Suillus pictus (Pk.) Smith & Thiers
- Fuscoboletinus viscidus (L.:Fr. & Hok.) Grund & Harrison
- Hydnaceae
Phellodon niger (Fr.) Karst.
Hydnum autumnale in ed.
Hydnellum frondosum K. Harrison
Hydnellum scrobiculatum (Fr.) Karst.
Hydnellum cumulatum K. Harrison
Climacodon septentrionale (Fr.) Karst.
- Polyporaceae
Coriolus versicolor (L.:Fr.) Quel
Daedaleopsis confragosa (Bolt.:Fr.) Schroet
Fomes fomentarius (L.:Fr.) Kickx
Fomitopsis pinicola (Schw.) Karst
Elfungia megaloma (Lev.) Murr.
Gloeophyllum sepiarium (Wulf.:Fr.) Karst.
Phaeolus schweinitzii (Fr.) Pat.
Piptoporus betulinus (Bull.:Fr.) Karst.
Hirschioporus abietinus (Dick.:Fr.) Donk
Albatrellus ovinus (Schaeff.:Fr.) Kotl. & Pouz.
Coltricia perennis (L.:Fr.) Mich. ex S.F. Gray
Mucronoporus tomentosus Ell. & Ev
Ganoderma tsugae (Murr.) Overh.
- Gastromycetes
Phallus duplicata Rose.
Bovista pila Berk. & Curt.
Lycoperdon perlatum Pers.
Lycoperdon pyriforme (Schaeff.) Pers.
Lycoperdon umbrinum Pers.
Scleroderma citrinum Pers.
Scleroderma lycoperdoides Schw.
- Ascomycetes
Scutellina scutellata (L.:Fr.) Lambotte
Apiocrea chrysosperma (Tul.) Syd
Hypomyces lactifluorum (Schw.:Fr.) Tul.
Chlorosplenium aeruginosum (Oed.) de Not.
Coryne sarcoides (Pers.:Fr.) Bon
Bisporella citrina (Batsch.:Fr.) Korf & Carpenter
- Darryl W. Grund
 Acadia University
- Phycology Section
 Chairman: G. G. C. Robinson, Dept. Bot.,
 Univ. Manitoba, Winnipeg,
 Manitoba R3T 2N2
- Structure & Development Section
 Chairman: N. G. Dengler, Dept. Botany,
 Univ. Toronto, Toronto,
 Ont. M5S 1A1
- Systematics & Phytogeography Section
 Chairman: K. E. Denford, Dept. Bot.,
 Univ. Alberta, Edmonton,
 Alberta T6G 2E9

CBA/ABC REPRESENTATIVES TO BCC

Executive Member: I.E.P. Taylor

Council L. Brouillet
I. Brodo

CALL FOR RESOLUTIONS OF POLICY TO BE PRESENTED TO THE ANNUAL MEETING

Resolutions for presentation to the Annual Meeting of CBA/ABC to be held in Sudbury, Ont., in June 1986 MUST BE DELIVERED TO THE SECRETARY OF THE ASSOCIATION NO LATER THAN FRIDAY, APRIL 11, 1986.

Members are referred to the Association's By-laws 68-77 for details of the nature and preparation of such resolutions.

All resolutions for presentation:-

- a) should declare the policy of the Association on matter(s) that shall be forwarded outside the Association,
- b) should be carefully worded,
- c) require a mover and 4 seconds, all of whom must be members in good standing,
- d) must be accompanied by a supporting brief,
- e) must be accepted by the Board of Directors before presentation to the Annual Meeting,
- f) must be presented in person by one of its sponsors,
- g) require the approval of two-thirds of the members present and voting at the Annual Meeting.

Send resolutions and accompanying material to:- Dr. Paul G. Harrison, Secretary, CBA/ABC, Dept. of Botany, Univ. of British Columbia, Vancouver, B.C. V6T 2B1

Paul G. Harrison

LIONEL CINQ-MARS AWARD

The following regulations will apply to the judging for the Award:-

1. The Lionel Cinq-Mars Award shall be given for the best student paper presented at the Annual Meeting of the CBA/ABC.
2. Any bona fide student enrolled at any Canadian institution of higher learning is eligible.

3. Guidelines to competitors:-

- a) The paper will be presented orally during the appropriate session as determined by the program committee.
- b) Adjudication will be on the basis of: Content, 60% (originality, technical expertise, and associated subject knowledge), and Presentation, 40% (lucidity and logical flow, value of visual aids if appropriate, audibility and 'presence').

The Lionel Cinq-Mars Award is presented at the Banquet at the Annual Meeting of the CBA/ABC based on a decision made by the judging panel chaired by the President-Elect. The award is \$200 and the winner will also become an honorary member of the Association for the next year. The panel is composed of one member from each of the Sections of the Association, and one member must be a francophone.

A student member wishing to compete and be considered for the Award must so indicate on the Abstract form when submitting it to the organizing committee for inclusion in the program of contributed papers. Failure to indicate the decision to enter the competition by checking the appropriate box on the Abstract Form, even though unintentional, cannot be corrected later.

Luc Brouillet, Chairman
Judging Panel, Lionel Cinq-Mars Award

CBA/ABC EXECUTIVE MEETING NOTES

The executive took part in the annual Conference Call on November 26, 1985. The call connected 6 members of the executive and 1 committee chairperson at telephones between Vancouver and the Eastern part of Ontario. Following are extracts from the minutes of this call.

The President reported the repayment of the loan to BCC for the organization of the First Canadian Congress of Biology; the interest on the loan was foregone to help BCC keep its debt down. The terms of reference and rules for the administration of the CBA/ABC Endowment Fund were approved. A Science Policy Committee was established for the purpose of responding to government proposals and initiatives. It was also approved that CBA/ABC join AASC as a supporting member.

The secretary reported on the polling of members in the bulletin regarding the Timing of the Annual Meeting. The questions raised generated a variety of comments which are to be submitted in the form of a written

report for discussion at the Annual General Meeting in 1986.

The Treasurer reported that 15 new members joined CBA/ABC bringing total membership in the Society to 397. A motion to increase the Youth Science Fair Award from \$100 to \$150 was approved.

On the subject of Representatives and Committee Memberships it was reported that at the October meeting of the BCC our award to the Youth Science Fair was greeted with approval. John McNeill and L. Brouillet became President-Elect and 'Member-at-Large' of the BCC executive, respectively. John McNeill also became a Director-at-Large on the Executive of I. U. B. S. Taylor Steeves' report on Forestry Research was adopted as a BCC document.

NSERC SECOND FIVE-YEAR PLAN

The information on the Second Five-Year Plan is contained in a rather large document of some 200 pages with an accompanying volume of appendices. One can only briefly highlight here some of the most important points. Anyone wanting copies of the document should either phone or write NSERC.

The document analyses the First Five-Year Plan implemented at a cost of 1.2 billion dollars to the taxpayer. It assesses current research circumstances and objectives as well as some of the funding difficulties experienced by NSERC. It goes on to present what is needed over the next half decade to ensure that the university research community can make an optimum contribution to the national research effort and to the training of adequate numbers of highly trained research personnel. To respond to these objectives 100% increase in funding over the next five-year period is proposed.

The document identifies by discipline grouping where shortages of graduates are expected to occur at both Masters and Ph.D. levels. Although no major shortages are anticipated to occur in the Biological Sciences at the level of Masters degrees, the situation is quite different regarding Ph.Ds. Another important subject identified in the document is our past heavy dependence on imported talent. It is stated that, unless there is a dramatic change in our present situation, we will once again be heavily dependent on foreign graduates to staff our teaching and research institutions during the 1990s. The document also looks at the complex question of the rewards and dangers that exist in selective funding.

BRIEF REPORT CBA CONSERVATION COMMITTEE

Actions taken since last report June, 1985

1. Letter circulated among members and sent to Wildflower magazine discouraging attempts to cultivate rare species, especially from material transplanted from the wild.
2. Letter processed and sent to the Ecological Reserves Program co-ordinator in B.C. regarding acquisition of habitat to ensure the survival of *Eburophyton austinae*, a rare saprophytic orchid.
3. Canadian Council of Ecological Areas meeting in Saskatoon in August, 1985, attended by representative, V. Harms.
4. Asked an Ontario CBA member to attend and represent us at the Natural Heritage League conference in Toronto on November 6, 1985 (regular rep. otherwise occupied).
5. In the process of arranging for a representative to attend Carolinian Canada meeting (regular CBA rep. teaching at the time).
6. Responded to World Wildlife with general suggestions on criteria used to judge the merits of projects submitted to WWF for funding.
7. Submitting interim report to the Ontario Heritage Foundation in respect to the \$15,000 grant awarded to CBA for research on savannas in the Carolinian region.
8. Received two more letters in response to enquires to critical government ministries regarding "botanists/plant ecologists" which they hire to fulfill environmental functions.
9. Still looking into a letter to be sent regarding the old growth forests on S. Moresby Island in British Columbia.
10. Consulted regarding Bachus Woods in preparation for November meeting regarding management of it.
11. Processed and sent letter to Mayor of Mississauga regarding preservation of Lorne Park Prairie within the city limits.
12. Closing in on transplant statement.

Iain Taylor, Luc Brouillet and Ernie Brodo represented CBA/ABC. Several matters of concern to CBA/ABC members were addressed.

The Advisory Committee for Life Sciences (ACLS) has been established by NSERC. Several issues are in their major priorities including, the quality and structure of grant selection committees, forestry research in Canada, the role of life scientists in global climatic change studies, new areas for strategic support, the impact of new technologies on life sciences research, and research training.

The new NSERC five year plan is receiving strong support from the scientific community. Any further support, in the form of letters to senior members of the Federal Cabinet, will be most welcome. The 1985-86 budget to NSERC is still uncertain.

Early planning has begun for the Second Congress of Canadian Biology, to be held at Laval between August 20th and 25th 1990. John McNeill (Chair) and Luc Brouillet are the CBA members who are on the Planning Committee. The feedback on the First Congress was passed on for appropriate action in planning for Laval.

The report by Taylor Steeves and a committee on Forestry Research in Canada was adopted as a BCC document. Once again, CBA/ABC members have made a major contribution to BCC activity. Our thanks to them.

The Association for the Advancement of Sciences in Canada (AASC) made a presentation about ways of enhancing science awareness to the 'general public'. AASC is looking for a merger with an established science magazine in Canada as a way of achieving this. CBA/ABC has joined AASC and will make a small contribution to the feasibility study of possible mergers.

New BCC initiatives include proposals to create a Science Associate Programme to have young scientists work as parliamentary assistants to M.P.s, and ideas to provide some summer scholarships in Faculties of Science for high school students.

Congratulations to John McNeill and Luc Brouillet who were elected President-elect and member-at-large of BCC.

Iain Taylor

CANADIAN FORESTRY SCIENTIFIC AWARD

The Canadian Institute of Forestry has presented its Canadian Forestry Scientific Award for 1985 to Dr. Vladimir Krajina, in acknowledgement of his outstanding contribution to forest science. Congratulations Vladimir, from the Department of Botany (U.B.C.).

THE DON BRICKYARD PALEOBOTANICAL SITE LIVES ON

Barry Warner reported in the October Bulletin that the Quaternary Interglacial section was to be destroyed in September. That month several of us from the University of Toronto made deputations before East York city council advocating preservation of this scientifically important section. This and other deputations caused the council to recommend to the Ministry of Citizenship and Culture that the Brickyard be preserved as a historic site. The next day the Ministry obtained a stop work order that prevented the bulldozing of the section.

Currently the Metropolitan Toronto Conservation Authority is negotiating with the owner for the purchase of the property - they may go as far as expropriation to get the property.

On October 12, I visited the section and found that it looked much the same as when I first saw it 18 years ago. With the impending acquisition by MTCA we can expect the section will be preserved for future generations of paleobotanists.

J. H. McAndrews
Dept. Botany
Royal Ontario Museum

INTERNATIONAL ORGANIZATION OF PLANT BIOSYSTEMATISTS

The Executive and Council of the International Organization of Plant Biosystematists (IOPB) will meet during the IOPB 1986 Symposium, "Differentiation Patterns in Higher Plants", Zurich, Switzerland, July 13-18, 1986. Anyone wishing to place an item on the agenda for discussion should write to Dr. Liv Borgen, Secretary, IOPB, Botanical Garden and Museum, Trondheimsveien 23B, N-OSLO 5, NORWAY.

Information on participation or attendance at the IOPB Symposium may be obtained from the Chairperson, Dr. Krystyna Urbanska, Geobotanisches Institut, ETH, Stiftung Rubel, Zurichbergstrasse 38, CH-8044 ZURICH, SWITZERLAND.

IOPB publishes the IOPB NEWSLETTER. Information for the IOPB NEWSLETTER may be sent to the editor, Dr. Krystyna Urbanska.

Application forms for membership in IOPB may be obtained from the Secretary by sending US \$25 (for the period 1983-1987) directly to the Secretary-Treasurer of IOPB, Dr. L. Borgen at the above address.

CANADIAN BOTANICAL ASSOCIATION / L'ASSOCIATION BOTANIQUE DU CANADA
ENDOWMENT FUND

TERMS OF REFERENCE AND RULES (Nov. 85)

The Canadian Botanical Association/ L'Association Botanique du Canada established an endowment fund by resolution of the Annual General Meeting at the University of Western Ontario, London, Ontario on June 27th 1985. The fund shall be called 'The CBA/ABC Endowment Fund' hereinafter 'The Fund'.

PURPOSE.

1. The fund shall be established and managed to provide financial assistance for meritorious graduate students to attend the Annual Meeting of CBA/ABC.
2. At the discretion of the Board of Directors, some of the money available may be used to assist a limited number of graduate students attending the International Botanical Congress.
3. The value of an award should be at a level that makes a sizeable contribution towards defraying costs incurred in attending and travelling to the annual meeting. The awards are not intended to cover all costs.

ESTABLISHMENT AND MANAGEMENT OF THE FUND.

4. The Fund shall be managed by the Treasurer of CBA/ABC, who shall invest the capital monies of the Fund to generate interest. The Treasurer shall report the financial affairs of the Fund to the Board of Directors and to the membership of CBA/ABC annually.
5. The monies generated from the investment of the capital of the Fund shall be allocated to provide prizes of a maximum value determined by the Board of Directors.
6. Any monies not used for prize shall be transferred to the capital.

ELIGIBILITY.

7. Competition for awards from the Fund is open to student members of CBA/ABC. Eligible students are encouraged to apply even if the meeting is to be held at their own university.
8. Competitors must present a paper in the Lionel Cinq-Mars Competition.
9. No student may receive more than one award from the Fund to attend the annual meeting while registered for the same degree.

COMPETITION.

10. The president shall appoint a Student Awards Committee to screen the applications and to recommend the candidates for awards and the amount of each award.
11. The sole selection criteria shall be those of academic merit.
12. Students applying for an award must do so NO LATER THAN January 31st of the year in which they expect to attend the CBA/ABC meeting. The application must contain:
 - a. a copy of the Abstract that is to be submitted for the Cinq-Mars Competition.
 - b. a supporting letter from the supervisor that also includes a statement that the student is engaged in an M.Sc. or Ph.D. programme.
 - c. a statement from the student outlining the amount of money requested.
 - d. a curriculum vitae (no more than 1 page long).
 - e. a letter of recommendation from a member of the student's research committee (not the Research Supervisor).(*supporting letters should accompany the application. They may be open or sealed).

THESE DOCUMENTS ALONE WILL FORM THE APPLICATION.

NOTIFICATION OF WINNERS.

13. Successful competitors will be notified before the registration deadline for the annual meeting. Awards will be paid at that time.
14. Names of the winners will be announced and the certificates presented at the annual banquet.
15. All winners will receive a certificate in recognition of their award.

USE OF FUNDS.

16. Values of individual awards will be determined by funds available and based on recommendations by the Student Awards Committee. Distance from the meeting site will be a major factor in the size of the award.
17. Costs toward which an award may be applied are travel (charter class return air fare and ground transportation), registration, food and accommodation. Field trip costs and costs of other voluntary activities are specifically excluded.
18. The value of an award shall not exceed the actual costs incurred in attending the meeting.

WINDING-UP OF THE FUND.

19. In the event of dissolution of CBA/ABC, the monies in the Endowment Fund shall be dispersed according to the By-Laws of the Association.

Mr. Oleg Polunin, a distinguished plant collector and writer, died a couple of months ago at the age 70. He was a science master at Charterhouse School for 34 years. Mr. Polunin's books included Flowers of the Mediterranean and Flowers of Europe.

THE MESOZOIC PLANT DISPLAY AT THE TYRRELL MUSEUM OF PALAEOLOGY

The plant display at the Tyrrell Museum of Palaeontology, Drumheller, Alberta, represents one of the unique collections of primitive plants of Canada. In a museum devoted to the study of ancient life through fossils, the palaeoconservatory is a truly colourful year-round display. The descendants and close relatives of plants that grew 65-350 million years ago are represented here. In keeping with the dominant Mesozoic dinosaur exhibit, special emphasis was placed in selecting plant families believed to have been common in Alberta during the late Cretaceous.

Over 181 species are on display. About 63 cold hardy temperate palaeospecies are grown outside the Museum mixed in with landscaped ornamental plants. Aquatic and herbaceous perennials are grown in and around a lagoon in front of the Museum. By far the most important plant collection is located in the palaeoconservatory. With an area of 345 square meters, the palaeoconservatory represents approximately 8% of the total display area of the Museum. It includes 41 species of angiosperms, 10 conifers, 9 cycads, 48 ferns and 10 bryophytes.

Pteridophytes are represented by tree ferns like Dicksonia and Spheropteris. Angiopteris evecta is one of the ferns with 3 meter long fronds. Different species of Selaginella and smaller ferns constitute the ground cover and undergrowth. The cycads are represented by 6 genera and 9 species including Stangeria eriopus and Bowenia spectabilis. This is one of the best collections of cycads in Canada. Among other gymnosperms Gnetum gnemon, Ephedra sp., Ginkgo biloba and Araucaria bidwillii are notable. Metasequoia, Glyptostrobus, Sciadopitys and Taxodium constitute some of the most important members of Taxodiaceae. Occurrence of fossil woods, cones and leaves of this family is very common in Alberta, and Drumheller in particular.

The flowering plants are dominated by the dicotyledons. Cercidiphyllum, Platanus, Magnolia, Cinnamomum and Sapindus are some of the larger trees. Extensive occurrence of Platanus and Cercidiphyllum megafossils in the Drumheller area makes this exhibit more relevant. Smaller dicotyledons include Chloranthus, Prinys, Illicium, Clethra,

Annona, Ilex, Michelia, Myrica and Leptospermum. Other families represented are Betulaceae, Buxaceae, Fagaceae, Gunneraceae, Moraceae, Salicaceae and Ulmaceae. Monocotyledons like Sabal, Pandanus, Dioscorea and Zigiber are grown inside; while Typha, Sparganium, Alisma, Iris are grown in the lagoon outside.

Plants in the palaeoconservatory are identified using labels, and black and white illustrations. There are 90 identification units grouped into 9 panels placed next to the plants. The label briefly mentions the palaeohistory of the family, and includes past and present distribution. It is followed by the common and scientific name of the representative species with its geographic distribution.

The selection of families and genera was made on the basis of plant megafossils and palynological records. Additional advice was sought from 34 internationally known palaeobotanists, palynologists and plant morphologists. Efforts were made to represent as many families and genera as possible. Some primitive putative plants were included to show morphological diversity even in the absence of fossil records. Sensitivity and maintenance requirements greatly influenced the final selection. This constitutes one of the largest collections of primitive plants under one roof in Canada.

The major objectives of this display are as follows:

- To show the diversity of the vegetation that existed up to the end of the Maastrichtian.

- To demonstrate the occurrence of lush vegetation that supported one of the most spectacular dinosaur faunas of the world. It also provides dramatic contrast to the existing barren badlands.

- To provide a pleasant relief for the visitors from the enclosed exhibit area.

- To provide a living laboratory for school and university students to study plant diversity and evolution.

- To provide a source of research materials for scientists in the Museum and across Canada. The living herbarium will enable scientists to conduct research in the fields of comparative morphology, wood anatomy, leaf venation, cuticular study and palynology of both extant and extinct plants. These findings will directly aid in the interpretation of paleofloras and their environments. The display wing of the Tyrrell Museum was officially opened on September 25, 1985, and the research wing will be operational by January 1986. Summer hours are from 9 a.m. to 9 p.m., seven days a week starting May 12th, 1986.

A. Fazal Muhammad
Curator of Botany
Tyrrell Museum of Palaeontology
P.O. Box 7500
Drumheller, Alberta T0J 0Y0

CAMPAIGN TO SAVE TROPICAL TREES

The friends of the Earth organization have started a Rain forest Consumer Campaign in Britain. The campaign is aimed at halting the sale of tropical hardwoods (e.g., mahogany and ebony), which are produced at the expense of destroying rain forests. They have published a national list of tropical hardwood products, with information on retailers plus the hardwood goods that they sell. The retailers will be asked not to stock hardwood products until the timber trade proves that the wood is obtained from forests that are sustainably and renewably managed. They are also using slogans such as "This product cost a monkey its nuts" and "This door made millions of spiders homeless".

The campaign is to be extended into Europe and North America.

FUTURE MEETINGS OF THE CBA/ABC

- 1986 - Sudbury, Ontario, June 20-22. See advanced information elsewhere in this issue.
- 1987 - Montreal, Quebec, June 14-18.
- 1988 - Victoria, B.C., date not yet known.
- 1990 - Quebec City, Quebec, date not yet known. Canadian Congress of Biology. (B.C.C. Sponsored Meeting).

MEMBERSHIP RENEWAL

Membership renewal forms were mailed already. Please renew NOW if you have not done so. The membership list is corrected at the end of February and all non-renewals are deleted from the files.

TRANSPLANTATION OF SERRACENIA PURPUREA

In July 1985, I visited the Woodfield Bog, a raised bog near Clara in central Ireland, and saw the profusion of Serracenia purpurea that has developed from three plants transplanted to the bog about 40 years ago by Dr. Keith Lamb, a horticulturist (now retired). I have never seen anything approaching the abundance of pitcher plants in this country, with plants of all ages, seedlings everywhere, and the whole occupying a great oval patch that must be 200 ft long and mostly downwind from the transplatation point. This point is

marked by the presence of a single plant of skunk cabbage, Symplocarpus foetidus, which has survived the entire time but without reproduction.

Vaccininium macrocarpon was also introduced to the bog at the same time as the pitcher plants, and has spread exclusively by vegetative means. This is the first season that Dr. Lamb has seen it in bloom.

I have colour photographs of the bog, and also data regarding the location of the earlier transplant site.

Dr. Arthur N. Langford
Port Rowan, Ontario

PERSONALIA

Dr. Arthur N. Langford, Port Rowan, Ontario, was granted the degree of D.C.L. at the May 1985 convocation at Bishop's. Dr. Langford taught at Bishop's from 1937-1978, spending the last two years (1976-1978) in Swaziland on a CIDA assignment. Dr. Langford is presently involved in building the Endowment Fund of the Long Point Bird Observatory and in the management of the historic Carolinian Backus Woods near Port Rowan, Ont. This area is of concern to CBA/ABC, which has representation on "The Backus Tract" through the Conservation Committee.

BOOK REVIEW

Vascular Plants of the Soviet Far East, volume 1, edited by S.S. Kharkevich. 1985. "Nauka", Leningrad. 398 pp.

This is the first volume of a flora which will describe vascular plants of the Soviet Far East. The flora treats the area that includes Wrangel Island, the Chukot Peninsula, the arctic slope west to the Kolyma River and all U.S.S.R. Pacific Ocean drainage south to Vladivostok. This area, covering approximately 3.5 million Km², is comparable in size to Alaska, the Yukon, British Columbia, Washington and Oregon combined. It hosts about 4,000 species.

When the flora is complete it should have 10 volumes. It is patterned after the "Flora of the European part of the U.S.S.R.". The taxonomic treatment includes keys, a short synonymy of each species, its description, information on chromosome numbers, distribution in the Far East and total distribution. When necessary, notes on taxonomic problems, hybrids, etc. are appended. About 15% of the species treated are illustrated, usually with the pictures of their habits. For every species there are detailed distribution maps for the study area.

It is rather unfortunate that the editor followed the strange convention of the "Flora of the European part of the U.S.S.R.", i.e. dealing with families in the random order that they were prepared for publication. This volume of the vascular plants of the Far East contains a short introduction, a key to all families and the taxonomic treatment of Huperziaceae, Lycopodiaceae, Selaginellaceae, and Isoetaceae by S.S. Kharkevich, Juncaceae by V.S. Novikov and Rosaceae by N.S. Probatova. North American botanists will find the treatment interesting if not provocative (have you ever heard of Huperzia arctica or H. petrovii in North America?).

I regret that the authors did not follow the excellent example of some Japanese botanical books (e.g., T. Shimizu: "The new alpine flora of Japan in color") which include an English summary and translations of identification keys. This would introduce the book to North America botanical community whose members would find it well worth while giving this flora serious attention.

P.S. For my own use I made English translations of keys for selected genera covered in this volume. If you are interested in a particular genus, I will be glad to send you a copy of the key at no charge.

Adolf Ceska
B.C. Provincial Museum
Victoria, B.C.

The bulletin of the Canadian Botanical Assoc.

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Advertisements for Positions Open and Classified categories may be placed at a cost of \$10.00 Can. per published column inch. Advertisements by individual members for post-doctoral opportunities and Positions Wanted are carried free.

Material for inclusion in the Bulletin should reach the Editor at least one month prior to the date of publication of that issue.

To ensure prompt delivery of the Bulletin please notify the Editor of any change of address as soon as possible.

Inquiries about membership of the CBA/ABC should be addressed to the Secretary of the Association: - Dr. Paul G. Harrison, Department of Botany, The University of British Columbia, 3529 - 6270 University Blvd, Vancouver, B.C., V6T 2B1.