



# **ANEE**

**Newsletter of the Council of  
Outdoor Educators of Ontario**

**VOLUME 10 NUMBER 4 APRIL-MAY 1981**

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ANEE, the newsletter of the Council of Outdoor Educators of Ontario is published seven times each school year. The publication is mailed to C.O.E.O. members only. Membership can be arranged through the membership secretary whose address appears opposite.

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ANEE (AH-NEE) IS AN OJIBWAY WORD USED AS A GREETING OF FRIENDSHIP, IT IS USED AS A CORDIAL SALUTATION AMONG FRIENDS MEETING INFORMALLY. OUTDOOR EDUCATION IS A DISCIPLINE WHICH HAS AS ITS FOUNDATION A DESIRE TO LIVE IN HARMONY WITH THE ENVIRONMENT; THE TRADITIONAL WAY OF LIFE OF OUR NATIVE PEOPLE CHERISHED THIS ATTITUDE. ANEE IS A MEANS OF COMMUNICATING AMONG OUR MEMBERS WHO ARE SCATTERED ACROSS A LARGE PROVINCE. IT IS HOPED THE GREETING -ANEE- IS FELT THROUGH THESE PAGES.

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Printed on de-inked recycled paper.

# LETTERS TO THE EDITOR

## Clarification:

The report of the Northern Region, September Meeting, in the November Ance needs to be clarified. At the very pleasant and successful social gathering, the idea evolved of writing up the meeting in a tongue-in-cheek fashion. Thus, we prepared an extended and embellished list of activities presented, which included the names of all those present at the gathering. In our zeal to include all our significant members, we added the Tawingo group in a comment noting their absence. Apparently this comment and, in fact, the entire article, has been taken in the wrong light. It seems that my ability as a satirist is questionable, since "the humour" was not appreciated by all. To set the record straight, the aforementioned article was written in jest.

Bob Gaidie  
Past Chairman  
Northern Region



## Position Open

### Outdoor/Experiential Education

The Faculty of Education of Queen's University invites applications for a half-time visiting appointment (possible 5/6 time) in the area of outdoor and other forms of experiential education. The appointment will commence September 1, 1981.

Duties will include teaching B. Ed. courses in outdoor and experiential education, first aid, the supervision of cooperative learning internships and field service.

Salary will be dependant on academic qualifications and teaching experience. Applicants should have a minimum of a master's degree in an appropriate discipline, a broad base of outdoor and environmental skills, a comprehensive knowledge of North American experiential education and several years of field experience.

Applications, including a full curriculum vitae and the names of 3 references should be sent to:

Professor Bert Horwood,  
Faculty of Education,  
Queen's University,  
Kingston, Ontario.  
K7L 3N6

# Does Your County Make a Safe Uranium Storage Vault?

by

Bessel J. VanderHazel  
Nipissing University College  
North Bay

The March 1981 issue of ANEE contained much useful information on nuclear reactions and power plants. But how would you react when you learned that the Atomic Energy Commission was planning to store uranium wastes in your area? The following is an extract of a study done to determine the suitability of the bedrock in the North Bay area. Hysterics played no role, geological maps provided all the information needed.

Uranium is a naturally occurring radioactive mineral. Pure uranium is a hard, white metal with a melting point of 1150° Celsius. Uranium oxide is extracted from crushed rock at a rate of 2 to 4 kilograms for every tonne (1000 kg) of uranium ore. The separation process requires the crushing, grinding and chemical leaching of the ore. Because uranium represents such a tiny fraction of the ore milled, nearly 100% of the mined material ends up as waste. The sheer volume of the tailings is ten thousand times that of the spent fuels leaving nuclear reactors. The tailings in the form of a slurry are pumped into low-lying areas known as retaining ponds. When dry, these wastes often look like harmless sand and have been used in the backfilling of basements in Port Hope, Ontario and Durango, California.

The tailings from uranium mines contain radium - 226, a radioactive mineral which gives off the radioactive gas radon, known as a prime cause of lung cancer in uranium mine workers. The radio-active wastes have leached from the retaining ponds in Elliott Lake, Ontario, as well as from the waste piles in Colorado and have entered foodchains in nearby river systems.

## ----Lake Nipissing----

Maps produced by the Geological Survey of Canada and the Ministry of Mines of Ontario show that the deeper rocks below Lake Nipissing contain minerals such as uranium. The Beaucage Mining Company was organized in the early 1950's and a mineshaft was sunk on Newman Island in 1955. Mined rock was shipped to a crusher on the north shore and the powdered rock was shipped to a geological laboratory. Lab tests showed that the concentration of valuable minerals were unfortunate as a uranium mining industry was considered a potential asset to the area. If the unsatisfactory waste disposal methods used in the 1950's are considered, however, the residents of Nipissing District may consider

themselves fortunate . Those living in the villages of Beaucage, Dokis and Garden Village and in the downstream reaches of the French River System could have been affected by radio-active and chemical wastes taken up by fish as in the Serpent River System downstream from Elliott Lake.

#### ----- Nuclear Reactors and their Wastes -----

It was discovered in the 1930's that an atom of uranium-235 when struck by a fast travelling particle, known as a neutron, would disintegrate into two different atoms while emitting radiant energy. This rapid decay of uranium is known as a fission reaction and is the basic process of the nuclear reactor used to generate electricity. The energy released in this reaction has been calculated and it was found that the amount of heat produced during the fissioning of 1 kg of uranium is equal to that produced in the burning of three million kg of coal. In nuclear generating stations the heat extracted from controlled disintegration of uranium is used to turn water into steam. The energy present in the steam turns turbines and electrical generators.

The spent nuclear fuel, contained in long metal tubes, is an extremely hazardous product and is therefore stored in water-filled bays on the site of the reactor. These temporary storage spaces look like large swimming pools in which the spent fuel is covered by three metres of water, which is equivalent in shielding to 30 cm of lead. The storage bays are made of double-walled, steel-reinforced concrete which is sealed to prevent water leakage. Ontario's nuclear power plants are said to have sufficient storage space until 1990 or if necessary, the year 2000. Permanent storage space must therefore be developed in the next five years.

#### ----- Geological Disposal of Nuclear Wastes -----

Low and medium-level radioactive wastes have been dumped in the oceans by several countries. The only land-based repository of radioactive wastes is found in West Germany. The disposal site is a former salt mine. Several caverns of the mine have already been filled with wastes that produce little or no heat. The mine is open for public tours and is relatively close to large population centres near the western border.

In Canada, worked out caverns of salt mines as well as stable igneous rocks are being considered as disposal sites for nuclear wastes. To retain these wastes safely the bedrock must meet several requirements:

- (i) it must be from fissures and potential  
fissuring as ground water travels through fissures  
and could conceivably carry some radio-active material  
into the environment.
- (ii) the rock must be capable of absorbing the heat released  
by the spent fuel.

(iii) the disposal site should have no boreholes from earlier mining explorations.

(iv) the site must be free from potential earthquake hazards.

While field research is continuing in Northern Ontario, the storage vaults are being designed. Federal and Provincial Departments of Energy and Mining expect that the actual construction of a site will start in 1981 and that by 1985 low-level radio-active wastes can be stored. The repository will be monitored for at least ten years before it would receive nuclear waste on a commercial and licensed basis. As the main users of the disposal vaults will be the power utilities owning and operating nuclear reactors, they will be charged a fee which will amount to about 1% of the cost of electric power produced by their nuclear power stations.

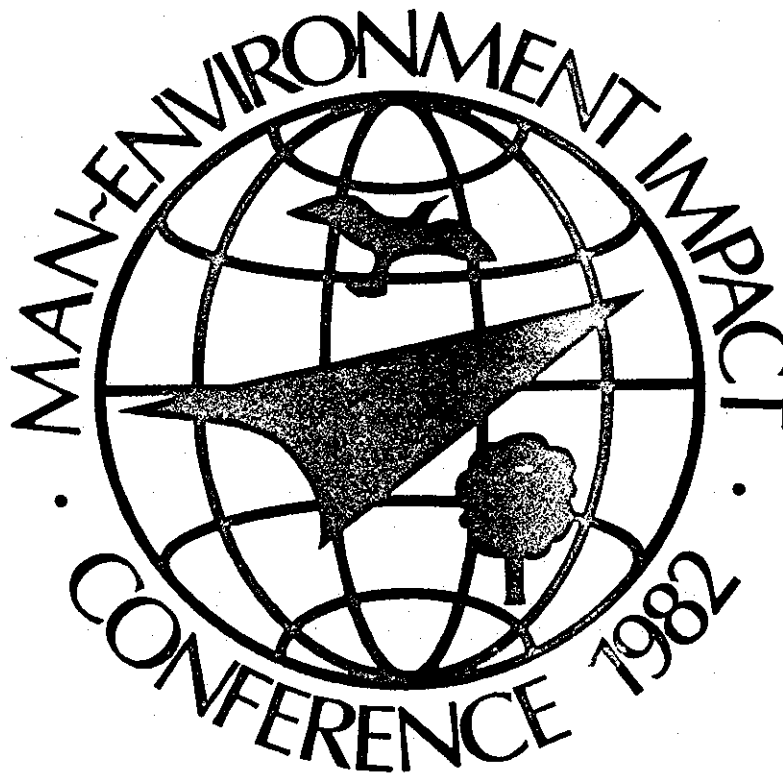
Would the bedrock of Nipissing District meet the requirements of a safe repository?

Geological maps, such as map 2216, published by the Ontario Ministry of Mines in 1971 as part of Geological Report #94, reveal that the bedrock of the area has been subjected to extensive faulting and fracturing. Downthrown rockmasses created a system of rift valleys in which Lake Nipissing, Trout Lake, the Mattawa River, the Ottawa River and Lake Temiskaming are now found.

Although the fracturing of this bedrock took place millions of years ago, it may be safe to assume that fissures permit the movement of groundwater into waterways such as Trout Lake and the French River. The deposition of uranium wastes in a zone where bedrock is known to have fractures seems like a risky undertaking.



# DATEBOOK



## **"LEARNING FOR TOMORROW'S WORLD"**

An International Conference on  
Education and the Environment

**HAMILTON PLACE CONVENTION CENTRE  
Hamilton, Ontario  
1982 October 20-23**



SIMCOE COUNTY AND C.O.E.O. OUTDOOR EDUCATION SPRING WORKSHOP

May 1,2,3

WHERE?? - Professor E.A. Smith Natural Resources Education Centre, (Scanlon Creek 2½ miles north of Bradford)

DESIGNED FOR: All teachers (K-13) with all levels of experience in Outdoor Education.

COST: \$40.00 - includes all meals and accomodation (dormitory style), begins Friday 7:30 p.m. and ends with lunch on Sunday.

Friday night keynote speaker, Chuck Hopkins, Boyne River Natural Science Centre.

Participants will select workshops after arrival. Some of the activities will include:

- up date on available Copeland Forest Programs
- canoeing and strategies for safe tripping
- outers clubs, initiation and management
- orienteering
- wildflower photography and identification
- astrology
- art and the outdoors
- outdoor education - bringing it home to the classroom
- Wildlife Research and Rabies Control in Simcoe County

Enrolment is limited to 40 people. Last minute details and a map will be sent when registration forms are received. There will be ample time to meet and exchange ideas with your colleagues in a relaxed, informal atmosphere.

-----  
REGISTRATION FORM - OUTDOOR EDUCATION WEEKEND WORKSHOP MAY 1,2,3,1981

Name \_\_\_\_\_ School \_\_\_\_\_  
Address \_\_\_\_\_ Board \_\_\_\_\_  
Phone \_\_\_\_\_ Position \_\_\_\_\_

Registration fee - \$40.00

Enclose cheque payable to Simcoe County Board of Education

MAIL registration FORM and CHEQUE to: Beth Allen c/o South Regional Ofc  
251 Patterson Road  
Barrie, Ontario L4N 3W3  
(705) 728-0370



# Canoe Courses - 1981

The Ontario Recreation Canoeing Affiliation (O.R.C.A.) is offering Instructor Level Courses in Lakewater (flat water), canoe tripping and moving water (wild water) for the 1981 season.

The following is a brief outline of the courses offered. If you are interested in receiving an application form, or the 1981 standards, contact Canoe Ontario immediately as the number of candidates for each course is limited. Candidates must be members of Canoe Ontario prior to taking the course.

## LAKE WATER INSTRUCTOR AND SKILLS COURSE

Both a Combined Level II & III Course and a Level III only Course will be offered this year.

### Course A - Lake Water Level II & III

Director: Terry Thomas  
Dates: Friday June 5 (evening) to Sunday June 14 (morning)  
Location: Camp White Pine (near Haliburton)  
Fees: \$210.00 (includes instruction, room & board, equipment use and teaching materials)

### Course B - Lakewater Level III

Director: Jim Gear  
Dates: Friday Aug. 28 (evening) to Wed. Sept., 2 (morning)  
Location: Camp Kandalore (near Minden)  
Fees: \$150.00

## Course Design

### A. Level II and III

The course offers a potential instructor the fundamentals of teaching theory and practice in canoeing along with the opportunity to develop canoeing skills to a high level of proficiency.

### B. Level III

The course provides the candidate with a grounding in the basic principles of canoeing instruction and program organization and administration. Participants are expected to enter this course with a high level of canoeing skills equivalent to an O.R.C.A. Lakewater II certificate.

## Course Prerequisites

### A. Level II and III

Candidates should hold an O.R.C.A. Lakewater Level I Certificate or equivalent. Applicants not holding a Level I Certificate but with comparable experience and skills may be admitted at the discretion of the Course Director.

### B. Level III

Candidates should hold an O.R.C.A. Lakewater Level II Certificate. Level II courses will be offered during the Spring and summer of 1981. Details can be obtained from Canoe Ontario.

### CANOE TRIPPING INSTRUCTORS AND LEADERSHIP COURSES

There will be 3 Canoe Tripping courses offered this year:

#### Course A

Director: Bruce Hodgins  
Dates: Friday June 12 (evening) to Sunday June 20  
Location: Camp Wanapitei (near Temagami)

#### Course B

Director: Bill Simons  
Dates: Friday June 19 (evening) to Sunday June 27  
Location: Lake Kawayaymog (South River)

#### Course C

Director: Wally Shaber  
Dates: Tuesday Aug. 25 to Wed. Sept. 2  
Location: Gracefield (north east of Ottawa)  
Fees: \$210.00 - includes instruction, complete outfitting with food and course materials

### Course Design

These courses are designed to meet the needs of those who wish training in canoe trip program teaching, leadership and development, and to provide a review of the content of Canoe Tripping II.

### Course Prerequisites

Candidates should hold an O.R.C.A. Canoe Tripping II Certificate of the equivalent. Applicants with comparable experience and skill may be admitted at the discretion of the course direction.

### MOVING WATER INSTRUCTOR AND SKILLS COURSE

Director: Jim Raffan  
Dates: 5 day course offered on 2 consecutive weekends. Friday May 15 (evening) to Mon. May 18 (evening) and Friday May 22 (evening) to Sunday May 24 (evening)  
Location: Madawaska Kanu Camp (near Barry's Bay)  
Fees: \$150.00 - includes instruction, room and board and teaching materials.

### Course Design

The course is designed for skilled moving water paddler (tandem and solo in open canoes) who wish to learn instructional techniques and the organization of Moving Water program in order to teach others.

### Course Prerequisites

Candidates should hold an O.R.C.A. Moving Water Level II Certificate or the equivalent. Applicant with comparable moving water experience and skills may be admitted at the discretion of the Course Director.

If you have any questions, do not hesitate to contact:

Anne Querengesser  
Canoe Ontario  
160 Vanderhoof Avenue  
Toronto, Ontario  
M4G 4B8

429-7701



## The Great Canadian Canoe Exposition

York Quay, Harbourfront  
June 20-21, 1981

The concept of an exposition devoted to the canoe and the sport of canoeing is one that Ron Frenette, a Canoe Ontario and C.O.E.O. member, has mulled over for several years. His idea has developed, in part, from negative circumstances--bad press whenever a canoeing disaster occurs, an out-of-the-way corner at trade shows, where the theme seems to be "bigger, faster, fancier".

Ron's concept for an exposition is to present the positive--the enriching, cultural, historical, challenging and safety aspects of all forms of canoeing. The exposition should take place at a location close to water which would be easily accessible to people.

### CONCEPT IS PUT TO ACTION

Through meetings with various interested individuals and agencies, Ron found that his idea was keenly accepted. An ad-hoc committee, headed by Ron, was quickly organized to change an idea into a real event.

The committee decided that the exposition should be a two-day event, to take place at the York Quay, Harbourfront. The Exposition will consist of six theme areas:

1. The Evolution of the Canoe: will allow people to follow the canoe as it has changed in usage in the Canadian culture, past to present. The area will contain a display of historical canoes, costumes, artifacts, prints and photographs.
2. Construction Techniques and Materials: will be shown by several craftsmen constructing canoes and kayaks of different materials. (e.g. birch bark, fibreglass, cedar and canvas.)
3. Canoe Safety: will be demonstrated by Paddlecade, a mobile canoe safety program.
4. Canoe Experience: will inform participants how they can become actively involved in canoeing through canoe clubs. It is through clubs that many people learn about canoeing, proper planning for canoe trips, canoe routes etc..
5. Films and Seminars will consist of an on-going series of canoeing/kayaking films and seminars on various canoeing-related subjects e.g. food preparation for canoe trips, wilderness first-aid.
6. The Rendezvous Bookstore will offer informational materials, maps, texts and posters on canoeing and kayaking.

Each of these six areas has a chairman who has selected a group of people to help him/her organize their area. As well a three-man steering committee was struck to organize special events, (such as having some Montreal canoes on site), fundraising etc..

Once a month the committee chairmen and steering committee meet for a planning session.

Normally the organizing structure for the Expo is not explained in such detail. The reason for it appearing here may be somewhat devious--we need help. There are many small jobs required to make an event a success. We realize that recruiting volunteers in a newsletter is probably a waste of time, however Ron and many of the committee chairmen are not beneath phoning people. If you do wish to become involved with the Great Canadian Canoe Exposition contact Ron Frenette (416) 878-2787 (evenings). If you wish more information on the Exposition call Sue McGregor (416) 429-7701 Ext. 223 (days). (After March 22nd the phone no. will be: 424-6787).

We hope we will see you at the Great Canadian Canoe Exposition, June 20-21, York Quay, Harborfront.

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#### Upcoming Events at the Guelph Arboretum

##### SPRING'S NIGHT SKY

No other season offers as many bright stars as spring. This program will introduce you to star gazing and the movements of the heavenly bodies. Bring your binoculars and warm clothing. Wed. evening, April 29, 8:00 p.m. Alan Watson - 2 hours. Please register by phoning 824-4120, ext. 3932.

CANCELLED IF CLOUDY AT 5:00 p.m.

##### SPRING IN THE ARBORETUM

Another in the popular Arboretum Day series. Leaving from the Nature Centre will be guided walks along the nature trails to view the spring wildflowers and birds. At the Arboretum Centre there will be the unveiling of the laminated pine sculpture by artist Fred Powell, followed with a concert by the Renaissance Brass. This event is a joint venture by the Music Dept. and Arboretum. Sat., May 9, 10:00 a.m. to 3:30 p.m. Nature and Arboretum Centres.

##### WARBLER WEEK

To give you a better opportunity to observe the spring warbler migration and practice your identification skills, we are expanding our "Spring Warblers" walk of past years to a 5 day event. From Mon., May 11 to Fri., May 15 there will be 3 walks planned each day: 8:00 a.m. to 10:00 a.m., 12:00 p.m. to 1:00 p.m. and 4:00 p.m. to 5:00 p.m. In addition a film about warblers will be shown each day at 10:00 a.m. (It will also be available for viewing on the weekends of May 9-10 and 15-16.) This program is suitable for the novice and experienced birder. May 11-15, 8-10:00 a.m., 12-1:00 p.m., 4-5:00 p.m. Alan Watson and students.

##### WEDNESDAY EVENING EXCURSIONS

On alternate Wednesday evenings beginning May 13, we will again be taking advantage of longer daylight hours by having outings at 7:00 p.m. With themes from birds to botany, these low-keyed evening excursions have something for everyone. Mark the following dates and tentative

activities on your calendars and join us for an evening with nature.

May 13	-	Spring wildflowers
May 27	-	Birds
June 10	-	Birds
June 24	-	Pond Study

Please be prepared for mosquitos.

WEDNESDAY EVENING EXCURSIONS ARE CANCELLED IF IT IS RAINING AT 5:00 P.M.

#### SPRING PHOTO WORKSHOP

If you want to make certain that the spring wildflower photographs you take not only provide a "botanical record," but also have artistic merit, plan to join our evening workshop. This workshop will deal specifically with helpful tips on close-up photography. Bring 10 of your best flower or spring slides. Please register by phoning 824-4120, ext. 3932. Tuesday may 19, 7:30 p.m.

#### SUMMER BIRD SURVEY

A survey of the summer birds in the Arboretum. Birds will be identified by sight and song; a list of species and numbers will be compiled and compared to previous years' records. An excellent opportunity for the beginner to learn about our summer birds. Sat., June 13, 8:00 a.m. Alan Watson - 3 hours.

#### EDIBLE WILD PLANTS

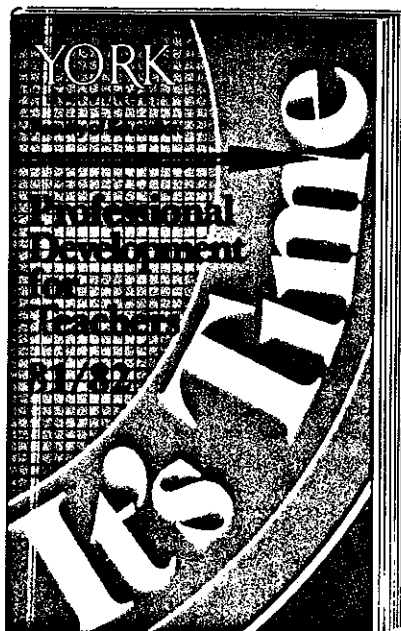
The 2 evening sessions will deal with the conservation, identification, collection and preparation of a number of edible plants. Foremost in these sessions will be the concern for harvesting with "ecological discretion." Tues. and Wed. evening, June 16 & 17, 7:00 p.m. Alan Watson. Register by phoning 824-4120, ext. 3932.

#### HORTICULTURE DAY IN THE ARBORETUM

The Ontario Horticultural Association  
- 75 Years Young -

Help the Arboretum celebrate the 75th birthday of the Ontario Horticultural Association by attending a morning Flower Show in the Arboretum Centre; sponsored by the Guelph Horticultural Society. The afternoon program will include a horticultural speaker. Sat., June 27, 10:00 a.m. to 4:00 p.m.





## ENVIRONMENTAL SCIENCE

MINISTRY ADDITIONAL QUALIFICATIONS  
B.ED (IN-SERVICE) DEGREE  
UNIVERSITY CREDIT COURSE

**Summer/81 July 2-24**

ED/EVS  
Part 1, Part 2 at  
Vivian Outdoor Centre  
Ballantrae, Ontario  
Highway 48, East of Aurora

**Fall/Winter 81/82 (York Campus)**

ED/EVS  
Part 1

For information write:  
The Office of Student Programmes,  
Faculty of Education,  
N801 Ross Building, York University,  
4700 Keele Street, Downsview, Ontario M3J 1P3  
or telephone (416) 667-6305



MINISTRY OF CULTURE AND RECREATION

The Ontario Camp Leadership Centre  
(Bark Lake) offers the teachers of  
Ontario an opportunity to develop

## OUTDOOR SKILLS

August 25 to September 4, 1981

*This eleven day course offers instruction in canoeing, sailing, rock climbing, environmental, craft, leadership, orienteering and waterfront skills plus much more. Sessions are designed to meet the needs of elementary and secondary school teachers, conservation and field centre staffs.*

**\$70** cost includes all instruction, accommodation and meals.

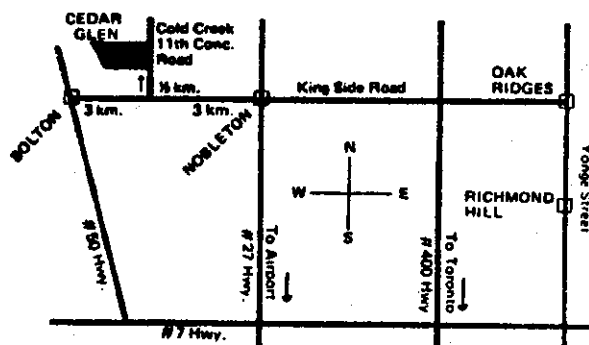
For more information and/or  
application forms, send to

Teacher's Skills Course  
Recreational Services  
Ministry of Culture and Recreation  
8<sup>th</sup> Floor, 77 Bloor Street, West  
Toronto, Ontario. M7A 2R9

# COEO '81 PRE-CONFERENCE

## SEMINAR

*Your C.O.E.O. Conference and Pre-Conference seminar will be held at Cedar Glen Conference and Outdoor Education Centre, Bolton, Ontario. Cedar Glen is located 1 km North of the King Road on the 11th Concession of King Township. (midway between Nobleton and Bolton)*

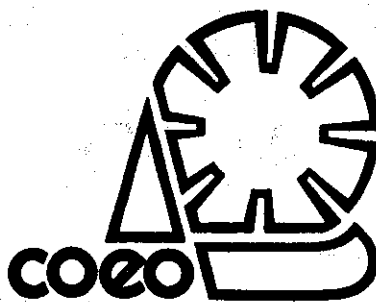


*The Pre-Conference Seminar recognizes the International Year of the Disabled Person. Sessions will focus on this theme and information available will be of interest to all; whether working with the handicapped or in the Out-of-Doors.*

## Program

- Thursday September 24**
- 16:00 - Registration
  - 20:00 - Keynote Speaker  
(Dr. Ernest Coons - Professor,  
New York State University)
  - 21:00 - Wine and Chesse & Special Snack
- Friday September 25**
- 8:00 - Breakfast
  - 9:00 - Session #1
  - 10:30 - Session #2
  - 12:30 - Lunch
  - 13:30 - Special Speaker
  - 15:00 - Session #3
  - 17:30 - Special Supper - Steak Bar-B-Q  
(for Pre-Conference Seminar  
Delegates only)





**COUNCIL OF OUTDOOR EDUCATORS OF ONTARIO**

# **«TAKING THE NEXT STEP»**

## **11th Annual Conference**

***SEP7. 25. 26. 27. 1981***

**CEDAR GLEN, BOLTON, ONTARIO**

***Pre-Conference focus for the  
Year of the Disabled***



# Registration Form

## COEO '81 PRE-CONFERENCE SEMINAR

September 24 - 25, 1981

Cedar Glen Conference and Outdoor Education Centre  
Bolton, Ontario - LOP 1A0

Name ☐ Mr. ☐ Miss ☐ Ms. ☐ Mrs. \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone Home \_\_\_\_\_ Business \_\_\_\_\_  
Region \_\_\_\_\_  
Membership No. 82- \_\_\_\_\_

Fees - \$50.00

(includes accommodation; Plan 'D' Meals and Program - Thursday evening to Friday Supper)

Amount enclosed \_\_\_\_\_

Send Registration Form and Cheque to:-

Debra MacEachern

R. R. #4, Tottenham, Ontario - L0G 1W0

(416 - 936 - 4340)

Make Cheque payable to C.O.E.O. '81

Note:- If you are attending the Conference as well, please transfer the amount to the other form



# Registration Form

11th Annual Conference  
"TAKING THE NEXT STEP"

September 25 - 27, 1981

Mr.  
Miss  
Name Ma.  
Mrs.  
Address  
Postal Code  
Telephone Home Business  
Region Membership No. 82-

### ***Fees***

Please complete the following:

CONFERENCE FEE	Member - \$30.00, Non Member \$40.00	
Student Member - \$20.00, Non Member \$30.00		

**ACCOMMODATION and MEALS (no part or combination packages available)**

PLAN 'A'	Cabins or tenting	-	\$50.00
PLAN 'B'	Dormitory	-	\$60.00
PLAN 'C'	2 per Room	-	\$65.00
PLAN 'D'	2 per Room Private Washroom	-	\$70.00

MEMBERSHIP (if applicable)

Regular	- \$15.00
Student	- \$ 8.00
Family	- \$25.00

(please attach membership form)

LATE FEE (postmarked after Sept. 14) - \$10.00

Total Conference Fee

**Pre-Conference Fee**

Grand Total

Deposit - \$20.00 (non-refundable)

Balance Due	
-------------	--

*Signature* \_\_\_\_\_

If you have made arrangements to share accommodation with others;  
please state their names:

Early Registration (before Sept. 14) will mean your name will be entered in our Grand Draw

Make Cheque Payable to:-  
C.O.E.O. '81

Send Cheque and Registration Form to:-  
Miss Debra MacEachern  
R. R. #4, Tottenham, Ontario - L0G 1W0  
(416 - 936 - 4340)

# 11th Annual Conference

## ACCOMMODATIONS:-

Plan 'A' Rustic cabins (small, unheated with bunk beds)  
and / or

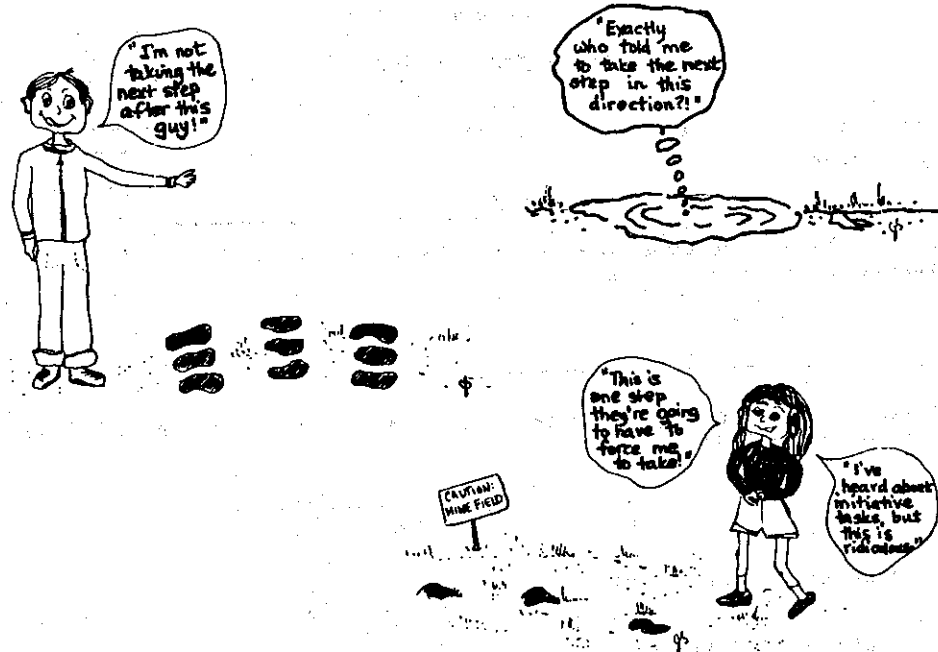
### Tenting

Plan 'B' Dormitory - 20 per room with common washroom  
Plan 'C' Semi private - 2 per room with common washroom  
Plan 'D' Private - 2 per room with private washroom

Note:- Meal package is the same regardless of the type of accommodation chosen.

## «TAKING THE NEXT STEP»

It is the wish of the Conference Planning Committee that delegates will be able to "Take the Next Step" in their development of skills, knowledge, attitudes and enthusiasm for Outdoor Education.



# "TAKING THE NEXT STEP"

## Program

### *Friday September 25, 1981*

- 16:00 - Registration
- 20:00 - Keynote Speaker
- 22:00 - Wine and Cheese Party  
(cash bar)
- 23:00 - Wolf Howl

### *Saturday September 26, 1981*

- 8:00 - Breakfast
- 9:00 - Sessions
- 10:30 - Sessions
- 12:30 - Lunch
- 13:30 - Sessions
- 15:00 - Sessions
- 17:00 - Regional Meetings
- 18:00 - Cocktail Hour - (cash bar)
- 19:00 - 'Hip of Beef' Buffet Supper
- 21:00 - Special Speaker and entertainment
- 22:00 - Dance

### *Sunday September 27, 1981*

- 8:00 - Breakfast
- 9:00 - Sessions
- 10:30 - Sessions
- 12:00 - Annual Meeting
- 13:00 - Lunch
- 14:00 - Departure

### SESSION HIGHLIGHTS

- |                               |   |
|-------------------------------|---|
| <i>Trail Rides</i>            | <i>Canoeing with Omer Stringer</i>        |
| <i>Toronto Tour</i>           | <i>Tour of McMichael Gallery</i>          |
| <i>Tour of Holland Marsh</i>  | <i>Preparation of Slide Presentations</i> |
| <i>Photography</i>            | <i>Ornithology</i>                        |
| <i>Water Colour Painting</i>  | <i>Ropes Courses</i>                      |
| <i>Bog Walk</i>               | <i>Soapstone Carving</i>                  |
| <i>Pioneer Projects</i>       | <i>Environmental Songs</i>                |
| <i>Grass Skiing</i>           | <i>Packaged Programs</i>                  |
| <i>French in the Outdoors</i> | <i>Energy Education</i>                   |
| <i>Fossils</i>                | <i>Leadership in the Outdoors</i>         |

# Regional News

## WESTERN

### (1) Pelee for the Fall

Plan now to attend an October weekend camping at the Point Pelee National Park.

See: Migrating Monarchs  
End of Hawk migration  
The quiet beauty of Pelee in the fall  
COEO sponsored Point Pelee teaching units  
The newly-renovated Interpretive Centre

In order to reserve campground space, we'll need to know approximate numbers in attendance. Minimal charge for camping. If interested, please contact: Sharri Clark,  
80 Wigle St.,  
Leamington, Ontario.  
N8H 2T2  
(519) 326-1169

(More information in upcoming Western Region Newsletters)

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## CENTRAL

Central Region has been active so far this year with the Schoolyard Workshop in the fall attracting approximately 60 participants (a belated thanks to Alan Hunter, Dinny Biggs, Judy Simpson, Rob Taylor, Dave Moore, Nancy Henderson, for a super job of organizing, and running the day), the Volks-Skilauf day with another 70 people, and the popular "Make Peace With Winter" conference introducing COEO to another 130 teachers and university students. The executive and a committee of interested members are busy planning the Annual Conference in September, and it looks like a terrific line-up of speakers and activities. We hope to see you there and at the remaining Central Region meetings:

MAY 14 - 7:30 P.M. AT JACK SHYTHE FIELD CENTRE, PEEL BD.

PROGRAM IS AN INSTRUMENTAL EVENING WITH CLARE MAGEE--BRING YOUR SONGS, YOUR VOICE, YOUR INSTRUMENTS, YOUR TAPE RECORDERS

JUNE 17 - SOCIAL AT FOREST VALLEY O.E.C. BEGINNING AT 6:30 P.M.

GREAT FOOD, A FEW OTHER REFRESHMENTS?, AND A ROUSING SQUARE-DANCE TO END THE EVENING

SEE YOU THERE!

JAN STEWART, CENTRAL REGION  
CHAIRPERSON

## MAKE PEACE WITH WINTER II

The Leslie Frost Natural Resources Centre near Dorset, Ontario, was again the setting for the Annual Winter conference/workshop, "Make Peace With Winter II". This highly successful weekend, January 30, 31, February 1, 1981, was sponsored by the Council of Outdoor Educators in the Central Region, in cooperation with the Ontario Teachers Federation and the North York Board of Education. Over 130 very active participants attended from all parts of Ontario.

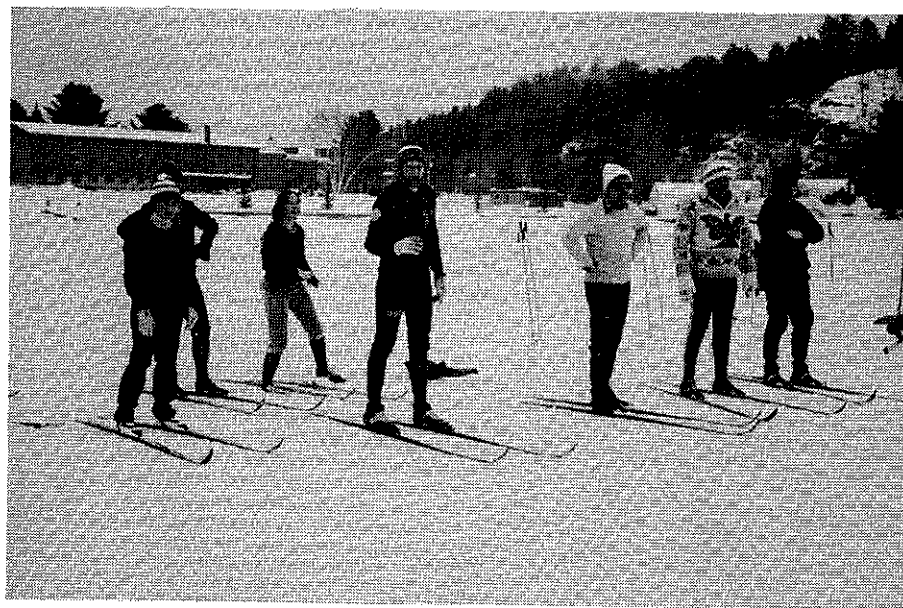
Popular outdoor sessions included cross-country skiing, eco- and Inuit games, snowshoeing, and winter photography. Wildlife management, Arctic experiences, and other interesting indoor sessions were equally well attended, and were a nice change of pace in a very active weekend.

The winter carnival found many teams employing co-operative sabotage spurred on by the grand prize--a magnum of champagne. Jack Zoubie kept many participants from returning home with extra pounds (from the good Frost Centre food) with his ever-popular square-dancing, move-everything-you've-got dancing. The evening wound down in Dorm 70--Clare Magee leading over half the conference folks in a singsong.

As last year, the prize draws were a very good reason to stay at meals. Prizes included sleeping bags, skis, T-shirts and toques, ever popular granola bars, and a year's pass to McDonalds.

Planning for next winter? Keep the last weekend in January open and join us for "Make Peace With Winter III". We are looking forward to greeting old friends and new faces!

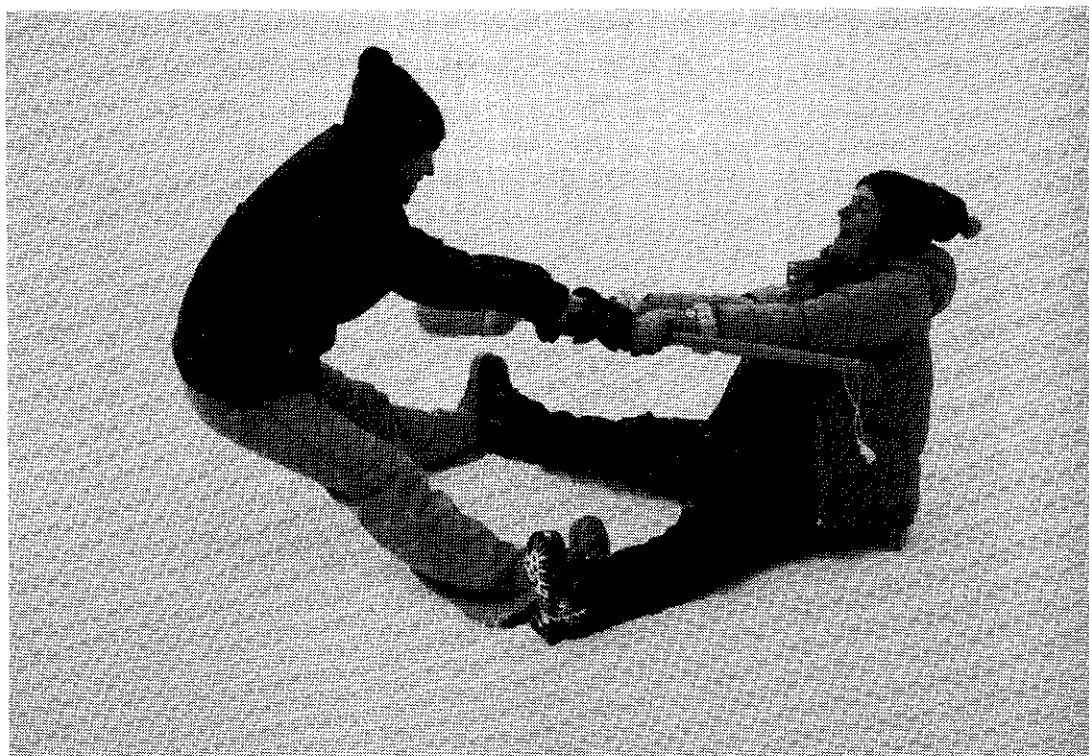
ORGANIZING COMMITTEE-- Jan Stewart, Lloyd Fraser, Judy Simpson, John Logan, Sue Brown, Skid Crease, Judi McCutcheon, Fred Mayor, Dave Young



Clare Magee leads the advance(d)? at the Leslie Frost Centre



A new Frost Centre tradition at the "Make Peace With Winter II" Conference---



AC SĀ RAQ or "Okay, okay, it's your turn to sweep out the igloo!"





-----tugging to see who is in shape for the winter carnival events to come.



This participant  
(was it Saw? Saw it was!)  
got a kick out of the conference.

# 1ST ANNUAL COEO VOLKS-SKILAUFL

## CENTRAL REGION

A new winter tradition has been started by Central Region. The Volks-Skilauf held on February 7, 1981, at Cedar Glen, was so successful that it has already been scheduled for 1982. Due to an amazingly enthusiastic response, over sixty applications were regretfully returned as planning had been for about 70 folks.

Of the seventy participants, twenty were children of varying ages--a pleasant addition to COEO social events. A variety of hot drinks and a hearty meal back at the lodge provided people a chance to socialize and relax after a morning of skiing. While some people returned to the ski trails after lunch, others risked life and limb on the tubing hill. The popular horse-drawn sleigh rides provided a friendly, family activity to end the day.

As many of the participants were new to COEO, we hope to encourage them to actively join the organization and look forward to seeing them at future events.



John MacEachern,  
North York's  
Program Developer  
at Cedar Glen,  
keeps the folks  
coming.....

.....and going  
on his sleigh rides  
at the Central Region's  
Volks-Skilauf.



Judy Simpson,  
Volks-Skilauf  
organizer, tests  
the glühwein  
before serving it  
to the participants.  
Sue Brown and Paul  
Wilgus insist it  
doesn't require  
13 taste tests!



Lloyd Fraser's flying family fleets through the frosty  
forest towards a fabulous feast and fine family fun!

# EASTERN

Feb. 13-15, 1981

Camp Cameron was the site once again this year of another successful winter workshop, co-sponsored by the Camp and COEO. It provided an opportunity to renew old acquaintances as well as form new friendships.

Friday evening, Stu West and Dianne Wing, from the Ministry of Energy, Mines and Resources, showed a thought-provoking film on Energy and Morality. It was followed by wine and cheese and lively conversation.

After a hearty breakfast Saturday morning, the workshop participants broke into two groups. Under the expert direction of Gerry Greenslade, one group spent the morning constructing snow shelters. The second group received excellent cross-country ski instruction from Bill Sheffield.

By noon, everyone was anxious to follow Beth McLaughlin for an outdoor cookout. Appetites once again satiated, Linda McGuire led a group for a study of trees in winter. Bill once again took a group out skiing - this time for hill work.

It had been a full day for sure, but the gang was not ready to stop yet. Linda showed a series of slides from Ottawa's MacSkimming's Science School which will be the scene of a spring workshop in April. Bill also showed some very interesting slides involving his students from South Carleton High School in their Outdoor Education classes. An enjoyable evening of modern square dancing ensued, under the enthusiastic direction of Don Reid. The evening drew to a close with a sing-song led by Cathy Beach.

Sunday morning, several people decided to try their hand at constructing igloos and a Quincy snow hut, Linda followed up her Saturday workshop on trees with a hike into the forest for some practical experience in identifying trees and calculating their ages. Still others took advantage of the warm weather for a leisurely ski through the rugged terrain of Camp Cameron.

Following lunch, Cathy Beach, Outdoor Consultant for the Peterborough Board of Education, explained the Survival Game -- as adapted by Camp Cameron.

To bring the weekend to a close, the workshop people from the Carleton Board challenged other participants, from various parts of Eastern Ontario, to a broom-ball game. Under Bob Robb's leadership, the Carleton team emerged victorious.

Friends, old and new, departed reluctantly, already forming plans to meet again. Everyone left with new skills, new knowledge and pleasant memories of another valuable workshop hosted by Camp Cameron.

Paula Abrams  
Carmel Hunt

# POT POURRI

## BAILLIE BIRDATHON



JIM BAILLIE  
MEMORIAL BIRD COUNT

April 25 - May 24, 1981

Enjoy a day of birdwatching this spring and help wildlife artist ROBERT BATEMAN and scores of other birders prove that a bird in the bush can be worth a buck, or more, for bird research and conservation. All participants receive a FREE BIRDATHON T-SHIRT and are eligible for other prizes and draws on ROBERT BATEMAN LIMITED EDITION PRINTS (see below).

Proceeds go to support conservation and research projects through the James L. Baillie Memorial Fund, the Long Point Bird Observatory and local naturalists' groups. You don't have to be an expert birder to help. Anyone can take part, anywhere in the world, independently or with a group, on any date from April 25 to May 24. Last year \$27,000 was raised. This year's target: \$35,000.

Use the form on the back of this sheet to start signing up sponsors now. Each sponsor pledges an amount for each bird species seen or heard by you on Birdathon Day. Mail the attached registration coupon and we will send you additional information, a special Birdathon Checklist -- and your T-shirt. Then, after Birdathon Day, collect your pledges and send them to us.

### Prizes and Draws

Send your registration in at least 2 weeks ahead of your Birdathon Day and you will be entered in a draw for a ROBERT BATEMAN Print (YELLOW-RUMPED WARBLER). Return your proceeds no later than August 31 and you will be entered in a draw for another ROBERT BATEMAN Print (GREAT BLUE HERON), with an extra chance for every \$50 raised. If you raise \$250 or more you will win a \$15 Gift Certificate to Nature Canada Bookshop. All sponsors who donate \$5 or more are also eligible for entry in a draw for a ROBERT BATEMAN Print (SURF AND SANDERLINGS).

Thank you for your interest and support.

Board of Directors  
Long Point Bird Observatory

Trustees,  
James L. Baillie Memorial Fund

Baillie Birdathon, c/o LPBO, P.O. Box 160, Port Rowan, Ontario NOE 1M0.  
Telephone: 519-586-2909

DR. KEITH REYNOLDS APPOINTED CHAIRMAN OF THE CONSERVATION AUTHORITY

TORONTO --- Upon the recommendation of The Honourable William G. Davis, Q.C., Premier of the Province of Ontario, The Honourable John Black Aird, Lieutenant Governor of Ontario, has appointed Dr. J. Keith Reynolds, of Scarborough, a member and Chairman of the Metropolitan Toronto and Region Conservation Authority for the period effective from the first day of February, 1981, and expiring with the first meeting of the Authority in 1984.

Dr. Reynolds is a native of London, Ontario, where he attended elementary and secondary schools. He served in the RCAF from 1940 to 1945, as a navigator and squadron leader in Canada and overseas. In 1949 he graduated from the University of Western Ontario with a Bachelor's Degree in Zoology. He was then awarded his Master's Degree, and in 1952, his Doctorate from Western.

Keith Reynolds has had a distinguished career in the Ontario Public Service. He began as a summer student and gained his first experience with Conservation Authorities as an employee of the Conservation Branch of the Department of Planning and Development. Upon graduation he joined the Ontario Department of Lands and Forests, as a Wildlife Biologist, at Maple. He held the positions of Assistant District Forester at Sault Ste. Marie, District Forester at Aylmer and Fisheries Supervisor in the Fish and Wildlife Branch at Queen's Park.

In 1964, he was appointed, by John Robarts, as Chief Executive Officer in the Department of the Premier. In 1969, he became Secretary to the Cabinet and Deputy Minister of the Premier's Department. In 1972, he returned to the resources field as Deputy Provincial Secretary for Resources Development. In 1974, he was appointed Deputy Minister of Natural Resources, thus returning to the department in which he commenced his career 25 years earlier.

Along with the responsibilities of the various positions in which he has served, he has acted on numerous committees and boards, both within and outside government. These included Chairmanship of two committees of the World Health Organization in Greece and Turkey.

The appointment of Dr. Reynolds as Chairman of the Metropolitan Toronto and Region Conservation Authority follows the recent passing of R. Grant Henderson, of Woodbridge, who served as Chairman of the Authority since 1975.

The Authority, about to enter its 25th year of operation, is responsible for the management of the natural resources in the nine watersheds under 1,333 square miles of jurisdiction.

For further information, contact Metro Region Conservation at 661-6600.

## NEW CONSERVATION EDUCATION BOOKS AVAILABLE

Charles Billington, Rideau Valley Conservation Authority

Eastern Ontario has been the scene of many active co-operative efforts in conservation learning between Boards of Education and various public and private agencies including the Conservation Authorities, the National Capital Commission, the Ministry of Natural Resources, Parks Canada and others.

In the last few years however, many new outdoor facilities, new techniques and ideas, and above all, new teachers have arrived on the scene.

In order to standardize our approach and update existing support material in outdoor education, the Cataraqui, Mississippi and Rideau Valley Conservation Authorities have produced the first binder in a four binder set of 13 Conservation Education Source Books.

The titles in the series are as follows:

(Available January 1981)

- Binder 1:
1. Pick a field....Any Old Field (Field Ecology)
  2. Trees and Their Friends (Forest Ecology)
  3. Wild Animals, Large and Small (Wildlife Ecology)

(In Preparation)

- Binder 2:
4. Snow! (Physical Properties of Snow)
  5. Water Flows Downhill (Flood Control, Water Conservation)
  6. Winter Survival of Plants and Animals
- Binder 3:
7. The Dirty Book About Soil (Soil Ecology)
  8. Succession
  9. The Watery World (Water Ecology)
- Binder 4:
10. This Is Our Land (Land Use)
  11. Sapping and Tapping (Maple Syrup)
  12. Encouraging Wildlife (Wildlife Management)
  13. Taking Care of the Woodlot (Woodlot Improvement)

This series of Conservation Education Source Books is aimed particularly at helping teachers of grades 4 to 8 "break into" the field of outdoor studies by bringing together in one place all the information required for the successful planning, conducting and follow-up of an out-of-classroom experience.

The material in each 40-page Source Book represents tried and true methods and activities which can be carried out in many local natural areas of Eastern Ontario.

The subject matter of the series is basic and applied ecology so that students will understand both what the natural resources are and further, how these resources may be managed wisely.

Individual topics will be recognized by teachers as units in their curricula variously called Environmental Studies Program, Living Things, Physical Science or Intermediate Science Guide.



The Source Books are intended to be teacher aids to out-of-classroom learning experiences in ecology. They are written for teachers with little or no natural science background or outdoor education experience.

Each Source Book contains a section of solid "Background Information" designed to give the teacher a basic knowledge of the topic in order to handle the subject matter confidently.

The section in each book entitled "Classroom Preparation" outlines the basic concepts to stress, provides a list of new words and indicates those skills that must be developed prior to the field session in order to successfully carry out field investigations.

Specific suggestions for several different field activities related to each topic are included in the Source Book. In the "Summary of Suggested Activities" the sessions are briefly outlined so that the teacher can see at a glance the time required for each session, the appropriate grade level, equipment required and any pertinent details that would affect the organization of the field session. It will be easy to select the activity best suited to the class needs.

The actual details of the field activities are included in the "Student Guide" and "Teacher Guide". The roles for both teacher and students are clearly defined.

The "Student Guide" contains instructions, resource material, work-sheets and follow-up activities or questions. The activities stress involvement through observation and investigation. The sessions are task oriented.

The "Teacher Guide" describes in detail how to arrange the sessions pointing out problems that may arise and possible ways to avoid them. It contains answers to any questions or problems posed in the "Student Guide."

In other words, the Source Books contain everything from background information to classroom preparation techniques to field trip details to follow-up activities.

The jargon of ecology has been eliminated as much as possible, although certain new words remain essential to the studies. In these cases, definitions are provided. Metric measurement units are used in all Source Books.

The Latin names and scientific identification of plants and animals is considered unimportant to the successful completion of the Source Book activities. A bilingual list (English-French) of the common plants and animals found in the studies is included in the "Appendices", along with a weather summary for Eastern Ontario.

The series has been written with the plants, animals and physical features of Eastern Ontario in mind. With minor modifications, the Source Books should be useful throughout Ontario.

The first binder containing three complete topics (120 pages)



in the series of Conservation Education Source Books is available as of January, 1981, at the cost price of \$14.00 (includes postage and handling.) Orders and enquiries should be addressed to:

Conservation Education Source Books  
c/o Rideau Valley Conservation Authority  
Box 599, Manotick, Ontario. KOA 2N0  
(Telephone 613 692-3571)

Copies may be picked up at the Rideau Valley Conservation Authority office on Mill Street in Manotick for \$12.50. The office is open Monday to Friday from 8:30 a.m. to 4:30 p.m.

## BOOKS - MAGAZINES - FILMS

Report on "A Manual for Group Hiking on the Bruce Trail"  
submitted by Joan Millard  
and Al Stacey.

The Bruce Trail Association has released a very successful "Manual for Group Hiking on the Bruce Trail." Over 1,000 free copies have been circulated and the manual will be going to its third edition this spring. This manual is strongly recommended for all persons involved in group hiking along the Bruce Trail.

The manual committee included the Bruce Trail Director, who is responsible for management of the Trail, an elementary teacher from the Barrie area and two high school teachers from Guelph and Ancaster. An effort was made to represent the various regions and interest groups. Additional resource material was provided by a Toronto club member responsible for children's hikes, a community college recreation instructor, an outers' club advisor and a chiropractor involved in teaching wilderness first aid.

The committee felt they had a responsibility to educate the public in proper use of the Trail. The Bruce Trail exists through the goodwill of private landowners and it is a privilege which has often been abused, particularly by large groups. For example, a farmer discovered a large scout group camped in his field and using the split rail fencing for fuel; a community recreational group placed themselves in a potentially dangerous situation by underestimating the difficulty of the Peninsula section and failing to take into account the varying abilities of the group members. Landowners have also voiced complaints regarding school groups who litter the Trail with their bag lunches or who request washroom privileges for large groups in private homes.

"Increased use of the hiking trails in this province has made apparent the need for some direction to hike leaders. Landowner complaints concerning indiscriminate use of the Trail and the abuse of campsites have meant the loss of valuable sections of the Trail, and at times placed its whole existence in jeopardy. One must constantly be aware of the environmental impact of groups on the Trail. Only as a result of such knowledge can we both enjoy the Trail today and preserve this unspoiled resource for future generations.

Most of the problems have focussed on over-use and/or inappropriate use of the Trail. The Bruce Trail is not really intended for wilderness camping. In an effort to stop indiscriminate camping the manual stresses that group camping is permitted only at public or private campgrounds. Although over 30 such sites are listed, the

trail is long and group leaders should really look at setting up a base camp and going out on day hikes.

The manual is not intended to be all inclusive. It deals briefly with pre-trip planning, equipment, first aid, sanitation and other wilderness hiking concerns, but it includes a bibliography of appropriate resource material - books, films and free publications.

The Group Manual has been very well received. All school boards south of Sudbury received a free copy, as did specific outdoor ed centres, hiking groups and recreation departments. All scout and guide councils in Ontario and some in Michigan and New York also received copies. The third edition will be available this spring. However, due to escalating printing costs and the high demand, a small fee will likely be charged for this edition (probably between \$1 and \$2.) If you would like a copy write to:

Bruce Trail Group Manual  
Box 857  
Hamilton, Ont.

Your comments and suggestions for improvement are also invited.

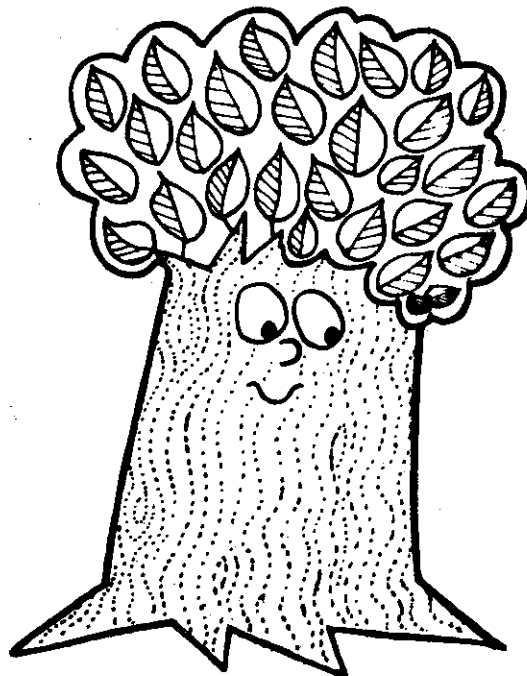
It is hoped that all COEO members taking groups on the Trail and other Ontario Hiking Trails, will honour the recommendations made by the Bruce Trail Association. Only by fostering goodwill between landowners and hikers can we preserve the Bruce Trail from Niagara to Tobermory.

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#### MOVING?

If you are moving, John Aikman needs your new address in order to keep Anee coming to you. Please send your name, your previous address, your new address and your moving date to:

John Aikman,  
47 Rama Court,  
Hamilton, Ont.  
L8W 2B3





AN INVITATION TO JOIN . . .

# COEO COUNCIL OF OUTDOOR EDUCATORS OF ONTARIO

## MEMBERSHIP APPLICATION FORM

PLEASE PRINT

COMPLETE AND SEND WITH REMITTANCE TO ADDRESS BELOW

NAME (mr.) (mrs.) (miss) (ms) \_\_\_\_\_

HOME ADDRESS \_\_\_\_\_

MAILING ADDRESS IF DIFFERENT FROM HOME \_\_\_\_\_

POSTAL CODE \_\_\_\_\_

POSTAL CODE \_\_\_\_\_

TELEPHONE NUMBER (where you can be most easily reached) ( ) \_\_\_\_\_

If applying for a FAMILY MEMBERSHIP, please list persons who will be using the membership \_\_\_\_\_

YOUR POSITION \_\_\_\_\_

EMPLOYER \_\_\_\_\_

UNIVERSITY OR COLLEGE ATTENDING FULLTIME IF A STUDENT \_\_\_\_\_

I am in the \_\_\_\_\_ Region of COEO (see listing below)

FAR NORTHERN Patricia, Kenora, Thunder Bay, Algoma, Cochrane, Sudbury, Rainy River, Timiskaming.

NORTHERN Parry Sound, Nipissing, Muskoka, Haliburton, North Bay, Simcoe County

WESTERN Essex, Kent, Elgin, Middlesex, Huron, Bruce, Grey, Perth, Wellington, Waterloo, Oxford, Brant, Haldimand-Norfolk, Dufferin, Lambton

CENTRAL Niagara South, Lincoln, Hamilton-Wentworth, Halton, Peel, York, Ontario, Metro Toronto

EASTERN Victoria, Durham, Peterborough, Northumberland, Hastings, Prince Edward, Lennox and Addington, Renfrew, Frontenac, Leeds, Grenville, Ottawa-Carleton, Dundas, Russell, Stormont, Prescott, Glengarry, Lanark

OUT OF PROVINCE Any area in Canada outside of Ontario

OUT OF CANADA

THE C.O.E.O. MEMBERSHIP YEAR IS FROM SEPTEMBER 1 TO AUGUST 31. ANY MEMBERSHIP APPLICATIONS RECEIVED AFTER MAY 1 WILL BE APPLIED TO THE FOLLOWING YEAR

Please check Type of membership NEW \_\_\_\_\_ RENEWAL \_\_\_\_\_ Give current membership number \_\_\_\_\_

Fees attached: Regular \$15.00 \_\_\_\_\_ Student \$8.00 \_\_\_\_\_ Family \$25.00 \_\_\_\_\_  
Institutional Subscription \$10.00 \_\_\_\_\_

Make your cheque or money order for the appropriate amount and payable to the COUNCIL OF OUTDOOR EDUCATORS OF ONTARIO and mail with this form to

John Aikman,  
Membership Secretary,  
47 Rama Court,  
Hamilton, Ontario.  
L8W 2B3