



Wilderness Res Ctr Dr Jeffrey J Yeo S College of Forestry University of Idaho Moscow, ID 83843 U.S.A.

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### **BERRIES, BELUGAS, BEACHCOMBING FALL COLORS & PHOTOGRAPHY**

### SEPT. 8-13

Learn how to make jams, jellies and preserves from the crop of wild berries. View Belugas, Bears and other wildlife - get them on film with the guidance of expert photo guides. Experience the remarkable fall colors on the tundra.

INSTRUCTORS - Mike Macri, Kevin Burke and Diane Erickson. Tuition, Rm & Board

Weekend (2 days) only

= \$350.00 = \$100.00

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### **POLAR BEAR COURSE I**

OCTOBER 1-6

(For the general public) Polar Bear biology and lifestyle is explained by Dr. Malcolm Ramsay from the University of Saskatchewan. Some of his unique research findings will be discussed. Are the effects of global warming really affecting the bears? Come and find out. Helicopter time is included in the price. Tuition, Rm & Board = \$650.00 = \$250.00 Local (weekend)

### **POLAR BEAR COURSE II**

OCTOBER 7 - 11

(Technical course for CO's, researchers, biologists, etc.)

In this course, Dr. Ramsay will discuss how research information is obtained from these free-ranging bears. Conservation officers will be up-dated in bear biology. handling techniques, and management. This course will contain substantial scientific data and demonstration field work. Tuition, Rm & Board = \$650.00 (includes helicopter time)

### **ABOUT THE CENTRE**

Formerly the operations building for the Churchill Rocket Range. The facility has been renovated and now houses a comfortable dormitory with room for up to 50 people in bunk-bed style accommodation. The facility contains two classrooms, a library, two labs, one lounge and a heated observation dome for viewing northern lights. Dining is cafeteria-style. A cook is in residence in season. The lodgings are suitable for all ages.

Visitors are welcome to observe scientists conducting their research and may even accompany them in the field through special arrangement and if transport is available.

Air travel to Churchill can be arranged through special request to the Centre, or by calling Canadian Airlines and giving our conference number (0346), and telling them the conference is a Churchill Northern Studies Centre "Special Educational Conference".

Churchill is also accessible by railroad. VIA-RAIL runs three trains a week to this area from Winnipeg, Manitoba.

Registration for courses must be accompanied by 20% deposit (CDN).

FOR INFORMATION CALL OR FAX: **Churchill Northern Studies Centre** TEL: (204) 675-2307 FAX: (204) 675-2139



### CHURCHILL NORTHERN **STUDIES CENTRE**

### 1993 **COURSE PROGRAM**

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Come and join us at the only place in North America where four biomes meet - boreal forest; taiga; tundra and marine ecosystems. Belugas are splendid in July. Polar Bears are magnificent in October. Archaeological sites are untouched.

Enquiries from professors and graduate students wishing to carry out research in this region are welcomed. One of the prime activities of the Centre is to support research teams.

Courses sponsored by the Centre are outlined here write for details or send your written intentions to attend.

### **CHURCHILL NORTHERN STUDIES CENTRE** Box 610 Churchill, Man.

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### **IGLOO BUILDING/NORTHERN LIGHTS** AN ARCTIC EXPERIENCE

FEB. 12 - 17 (weekend or ext) Learn how to construct a traditional igloo and actually live in it. Northern Comfort! **INSTRUCTOR - Cyril Fredlund.** Tuition, Rm & Board: - Wkend (1 night) = \$75.00

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- Wkend (2 nights)	
- Full 5 days	

### = \$120.00 = \$400.00

### **SURVIVAL & WINTER ENVIRONMENT**

APRIL 14 - 19

Learn survival techniques and how to co-exist in the northern climate. Experience the Aurora Borealis. Track animals.

**INSTRUCTOR: Dr. James Halfpenny** Inst. Arctic & Alpine Research. Tuition, Rm & Board = \$450.00

### **ENTOMOLOGY - "ALL ABOUT BUGS"** IN THE NORTHERN ENVIRONMENT

### JUNE 11 - 14

Non-credit field course which course which will tell you where those biting things come from and how to keep them at bay while you go birding to see all the newly arrived songbirds and waterfowl. INSTRUCTOR: Dr. Terry Galloway, Univ. of Manitoba - Entomology Tuition, Rm & Board = \$350.00 Weekend (2 nights only) =\$100.00

### **ART IN THE NORTH**

### JUNE 17 - 21

Sketch birds/animals. Model in clay. With renowned carver and bronze caster Peter Sawatzky, from Glenboro, Man. You will transfer the wildlife you see into a lasting memento. This is a basic course - local residents welcome.

Tuition, Rm & Board Weekend (2 days) only = \$400.00 =\$200.00

### PHOTOGRAPHY WORKSHOP

JULY 2-9

Designed for the beginner or the experienced photographer. Come to see and record amazing variety of mosses, lichens, boreal forest, Fort Prince of Wales, icebergs, sunsets, Polar bears, shipwrecks, and the people of the area. **INSTRUCTOR - Dennis Fast, Kleefeld** 

Tuition, Rm & Board: = \$500.00

### BIRDING WORKSHOP

### JULY 2 - 9

Enjoy the unique experience of the sight of the rare Ross's Gull, Arctic Loons, Scoters, Harlequin Ducks and more. Over 250 species of birds nest in the Churchill area. **INSTRUCTOR - Rudolph Koes.** Winnipeg, Manitoba. Tuition, Rm & Board = \$500.00 Weekend (2 days only) = \$150.00

### WILDFLOWERS OF CHURCHILL

### JULY 9-13

Learn to identify the great variety of plant life that "explodes" in the short Arctic summer (over 400 types). Plenty of field trip time allowed to see the differing plant life in the different biomes of boreal forest, taiga, and tundra. INSTRUCTOR - Karen Johnson, Museum of Man & Nature, Winnipeg. Tuition, Rm & Board = \$450.00 Weekend (2 days) only = \$100.00

### SPECIAL BIRDING WORKSHOP

### JULY 9-16

Dennis Fast concentrates on identifying the many birds species in the area, with his excellent photography skills to guide you as an added bonus. If you missed his first workshop - take this one! Tuition, Rm & Board = \$500.00 Weekend (2 days) only = \$150.00

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Learn the "grey card" technique to improve the quality of your photographs under the tutelage of Barbara Brundege of Summit Photography (California). Lots of field work - Belugas, Bears, Arctic Fox, Ptarmigan, song birds and beautiful sunsets.

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### ARCHAEOLOGY - HISTORY - GEOLOGY

### JULY 23 - 28

The Churchill area had some of the earliest explorer activity in Canada. Visit Fort Prince of Wales, Cape Merry & other sites. Learn how artifacts are found & preserved. Update your knowledge of geology in the area.

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### MAMMALS OF THE CHURCHILL AREA

### SEPT. 1-6

Some animals live here year round! Find out how they survive in these climatic extremes and how they have adapted. From the lowly Lemming to the mighty Polar Bear.

**INSTRUCTOR - Jack Dubois** Museum of Man & Nature, Winnipeg Tuition, Rm & Board = \$400.00 Weekend (3 days only) = \$200.00

### **MUSHROOMS OF THE CHURCHILL AREA**

SEPT. 3-6

Find out what is available - edible or "deadly". A unique chance to find out if you can use those oddlooking fungus type things that come up every fall. INSTRUCTOR - Scott Redhead, Agric. Can.

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## FACILITIES

The CNSC consists of a large main building with sleeping accommodation and dining facilities for over 50 people. There are large dry laboratory





Lounge

facilities, 2 classrooms, small research areas, library, herbarium, insect and skin collections located in the main building. In addition, three small log houses are

available to researchers engaged in long term projects. A growing list of



Library basic equipment may be rented. In addition, the Centre maintains a 7 meter research vessel.

Lab.



# HOW TO CONTACT US?

Any interested individuals or institutions can contact us by writing to:

The Executive Director CHURCHILL NORTHERN STUDIES CENTRE P.O. Box 610, Churchill, Manitoba Canada ROB OEO (204) 675-2307 Fax: (204) 675-2139

Your support for this charitable organization is

rour support for this chartague organization is encouraged. Help support Arctic education and research.

Memberships are available: Individual/Family \$30 Patron \$250 Academic \$1000 Corporate \$1500 Tax receipts can be issued if requested The CNSC is also supported by Manitoba Department of Education

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# WHAT IS IT ??

was established in 1976 by the people of Churchill region is a unique place to work as it tate arctic research and education. The Churchill It is a non-profit corporation with a mandate to faciliwith co-operation from the government of Manitoba. The Churchill Northern Studies Centre (CNSC) is located at the

available. Regular eral disciplines is data relevant to sev oldest settlements in dotal and scientific al forest and arctic rail and air service tific programs, anecinternational scienfocus of previous Canada and as the tundra. As one of the piomes; coastal, boreintersection of three





### COURSES

and Climatology. courses encompass Ornithology, at CNSC each year through coopand non credit courses are offered An expanding variety of credit experts and universities. Credit eration with individual northern Arctic Ecology, Botany, Geology

Birds of the Churchill area, Ecology, Lichens, Cross Cultural Relations, Photography, Arctic Wildflowers, Non-credit courses are Astronomy. Winter Survival and Northern



make Churchill the most accessible area in the

Canadian Arctic.

LOCATION

coastal salt marsh, boreal forest or arctic tundra ideal location since it is less than 3 km from the The Centre is 20 km east of Churchill. This is an

### RESEARCH

A broad range of research has been conducted at CNSC. Archaeologists, Biologists (Botany, Ecology, Linguists have all used the Studies Centre. Genetics, Ornithology, Zoology), Geographers, and





support for on request. ment is available cialized equipare involved in researchers who **CNSC** provides tance and spe-Logistical sup-Polar Bear work port, field assis-

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