



# Enviro Web

Newsletter of the Manitoba Envirothon

Mark your calendar!!  
May 22nd to 24th, 2008

## Coordinator's Corner by Andrea Swain

Welcome to all new and returning teams! We have 30 teams registered and there are still more who plan to enter. This may be our largest Manitoba Envirothon yet! See the list of registered teams on page 3.

The deadline for registration is (today!) February 15th. If you are planning to enter a team please let me know. If you tell me you are entering before the end of the day on Feb. 20 the late fee will not apply. I have included the registration form in this newsletter.

All of the registered teams should have received their resource materials. If you have any questions about these materials please let me know. We are in the process of working with a consultant to produce the 2009 theme resource guide this winter! This will help the volunteer

committee tremendously and enable us to get you your resources to you earlier in the year. I will be looking for a small group of teachers to review the guide. If you know a teacher who is not entering a team in 2009 but would be interested in reviewing the material please let me know!

Plans for the event are coming along and we are looking forward to the workshop which will take place on Friday, April 18th at Camp Morton. If you are new to Envirothon you should know that the workshop is a one-day event designed to help students prepare for the competition. You will hear presentations about the theme which will be very useful for the competition and you will have a chance to learn about the equipment that is used on the field test.

we are also working on some other initiatives. Later this month a group

of us are traveling to The Pas to meet with interested individuals and organizations who will help us plan for an Envirothon workshop. A Northern workshop would be designed to introduce new teachers, students, and resource professionals to the program.

We are also preparing to host a meeting with middle-years teachers who will help us brainstorm about how best to create an Envirothon program for grades 5-8.

In the next issue of the newsletter I will introduce you to the volunteers who spent countless hours each year to deliver the Envirothon program. I will also include a registration form for the workshop and a draft agenda for the day. If there is any information you need please let me know!

## 2008 Envirothon Workshop

Here is the latest news about the 2008 Envirothon Workshop. I will be sending a registration form for the workshop in early March. For now mark your calendars:

Date: Friday, April 18, 2008

Time: 9:30-3:30

Location: Camp Morton, 8 km North of Gimli  
([www.gov.mb.ca/conservation/parks/popular\\_parks/camp\\_morton/index.html](http://www.gov.mb.ca/conservation/parks/popular_parks/camp_morton/index.html))

Registration Fee: \$15/person

Lunch and snacks are included. We will send a draft schedule with the registration form. We have a number of great speakers lined up on the theme and the focus will be hands-on training in the disciplines.

### Inside this issue:

Coordinator's Corner	Cover
Details about 2008 Workshop	Cover
Congratulations Thompson Teams!	2
Career Focus	2
Solar Oven Challenge	3
Envirothon Equipment	3
2008 Registered Teams	3
Sponsor Profile-Manitoba Hydro	4
Young Reporters for the Environment	4
Registration Form	5
Upcoming Events	6

## How many voyages do you know that could help save the world?

Recently we were thrilled to learn that the Envirothon Teams at R. D. Parker Collegiate here in Thompson had been selected to be part of an innovative arts and science project, the Cape Farewell Program. Cape Farewell is an international program, supported by the British Council, which is designed to promote awareness about the impacts of climate change. One school from each province or territory was selected and offered the chance of taking part in this tremendous educational opportunity. R. D. Parker will be the Manitoba representative involved in this program.

Students and teachers involved in the program will spend the remainder of the school year working on several projects intended to promote climate change awareness in our school and community. In September 2008, one student from our group will be selected to join 12 other Canadian students and 15 International students to participate in a two week cruise from Iceland, around Eastern Baffin Island, and to the west coast of Greenland on the Cape Farewell/British Council 2008 Arctic expedition.

**Congratulations to  
Team Thompson!**



While on board the ship, the students will have the opportunity to work with some of the world's top scientists and artists for a variety of activities designed to raise their awareness about the effects of climate change.

We encourage you to visit the website ([www.capefarewell.com](http://www.capefarewell.com)) for more information about the Cape Farewell program and other climate change awareness projects spearheaded by the British Council Canada. We believe that this is a really exceptional opportunity for developing highly creative work in curriculum development, project work and teaching, as well as a tremendous learning opportunity for all of our students and teachers involved in the program.

## Career Focus

The Faculty of Environmental Sciences at the University of Waterloo has a great website called "Cool Job of the Month". They profile really awesome environmental jobs and give examples of how students have done co-op and work experience placements in these fields.

Check it out at:

[www.fes.uwaterloo.ca/cooljobs/archives.html](http://www.fes.uwaterloo.ca/cooljobs/archives.html)

## Planning for next year?!

The 2009 theme is "Biodiversity in a Changing World" and teams will travel to North Carolina from August 2nd to 8th, 2009.

# Solar Oven Challenge

This year get cooking with a Re-energy.ca solar oven. The Solar Oven Challenge will help students and teachers learn about renewable energy in a fun and engaging way. Students are encouraged to build a solar oven, test how hot it gets and create a yummy recipe to cook in it. Students can then share their work, on Earth Day, in their school or on the Re-energy.ca site.

Once you register for the program on the Green-Street web site, the Pembina Institute will contact you VIA EMAIL and welcome you to the Solar Oven Challenge. Information and materials to get you started will be emailed to you in PDF format. We can answer any questions you may have at any time by email or phone. Only the first 40 registrations will be accepted for the 2007-08 school year.

I learned today that they still have space in the official Challenge for 14 more schools. (Once they reach the 40 schools, other schools can still access the plans to build the solar ovens but they may not be part of the official Challenge.) For more details, visit [www.re-energy.ca](http://www.re-energy.ca). To register, visit [www.green-street.ca](http://www.green-street.ca).

## Envirothon Equipment

A number of teams have asked about getting a list of equipment that we use at Envirothon. I have asked the volunteers who put together the training and testing for their lists. Hopefully, this will help you prepare.

### Soils & Land Use

- Munsell colour chart
- Inclinator
- Ruler
- Shovel
- Canadian System of Soil Classification
- Soil Survey report
- GPS unit
- Maps

### Aquatic Ecology

- stopwatch
- measuring tape
- oranges!
- Multimeter (O<sub>2</sub>, pH, temp)
- Filtration equipment – filters, jug and siphon, clamp
- D-net, seine net

### Forestry

- Sunto PM
- Clinometer
- Sunto replacement cover
- Fiberglass Metric D-Tapes
- CFE increment borer (5.1mm complete)
- C-thru UTM grid reader
- CFE Magnifiers

### Wildlife

- Duck decoys
- Scat ID books
- Scat, Owl pellets
- Mammal track moulds, Bird track moulds
- Wooden rulers for sizing scat and tracks
- Skulls, Skull ID books
- Furs
- Antlers or horns
- Wildflower books
- Pressed wildflowers and grasses (native and non-native)

## Meet your competition!

As I mentioned, we have 30 teams registered for 2008. We would especially like to welcome four new teams- Morden Collegiate, Pinawa Secondary School, St. James Collegiate and Kelvin High School are all joining us for the first time!

### **2008 Registered Teams**

Baker School  
College Jeanne -Sauve  
Cormorant Lake  
Edward Schreyer School  
Fairholme Colony School-Team #1 & #2  
Fort Richmond Collegiate Team  
Gimli High School  
Helen Betty Osborne  
J.H. Bruns Collegiate-Team #1 & #2  
Lord Selkirk School Team #1 & #2  
Maple Grove Colony School  
**Morden Collegiate**  
Oak River Colony School  
Pembina Valley Conservation District  
**Pinawa Secondary School**  
Nellie McClung Collegiate  
Shaftesbury High School Team  
**St. James Collegiate**  
R.D. Parker Collegiate - Team #1 & #2  
Vincent Massey Collegiate Team #1 & #2  
Westwood Collegiate - Team #1 & #2  
**Ecole Secondaire Kelvin High School**  
North West Soil Management Assoc. -Team #1  
Swan Valley Regional Secondary School-Team #2

### **New to Envirothon?**

If you are new to Envirothon you can find additional information about getting started on our website at [www.mbenvirothon.com](http://www.mbenvirothon.com) or you can call me at 453-3182.

## Sponsor Profile

The Manitoba Envirothon would not be possible without the generous support from our many sponsors and volunteers. In each newsletter we will be profiling one of our many sponsors who help make this program a success.

**Organization:** Manitoba Hydro

**Funding Envirothon Since:** The first Envirothon in 1997!

**Website:** [www.hydro.mb.ca](http://www.hydro.mb.ca)

**Members on the Manitoba Envirothon Steering Committee:** Gil Godard and Brendan Carruthers

**What do they do?** Manitoba Hydro is a Crown Corporation and the province's major energy utility. They are the fourth largest energy utility in Canada. Manitoba Hydro exports electricity generated mainly from fourteen hydroelectric generating stations on the Winnipeg, Saskatchewan and Nelson rivers. They are also the major distributor of natural gas in the province. Manitoba Hydro is committed to sustainable development in action, as operational policy for the corporation.

**Why you should visit Manitoba Hydro's Website:** Manitoba Hydro has a number of programs that may be of interest to high school teachers and students. These include:

- *Student Opportunities* such as awards, bursaries, scholarships, internships, summer employment, and work exposure programs. You can find these in the career section of the website.
- *Education for Sustainable Development Grants* of \$2,000 to cover expenses related to learning for sustainability focused activities. This is a co-shared program with Dept. Education. Applications online: <http://www.edu.gov.mb.ca/grants.html>
- *Environmental Partnership Fund* also *Forest Enhancement Program* - Two distinct Manitoba Hydro funding programs offer support for a wide range of educational and environmental initiatives - for information phone: 474 4934
- The *Learning Zone* is full of information about Natural Gas, electricity, and geothermal energy.

Once again we would like to thank our long-time sponsor Manitoba Hydro and we hope that teachers and students across Manitoba have a chance to visit their website.

## Young Reporters for the Environment in Canada

### ECO-REPORTING/ECO-JOURNALISM OPPORTUNITY

Opportunity: Young Reporters for the Environment

Organization: Environmental Defence

Location: across Canada

Joining Young Reporters for the Environment is easy. It's open to all students across Canada from grades five/six up until the end of high school. You can join anytime. It's not limited to just the school year.

All articles and photos sent in by March 15, 2008 will be eligible for the Young Reporters for the Environment International Award.

For more information:

<http://www.environmentaldefence.ca/campaigns/youngreporters.htm>

## 2008 Manitoba Envirothon Registration

Please print this form and send with your Cheque or Money Order made payable to:

**Manitoba Forestry Association - 900 Corydon Avenue**

**Winnipeg, Manitoba R3M 0Y4**

### 2008 Manitoba Envirothon Deadlines for Registration

All teams must be registered by February 15, 2008

2<sup>nd</sup> Team Registration begins January 1, 2008

#### TEAM INFORMATION

School Name/Organization	
Mailing Address	
City/Town	
Postal Code	
Telephone Number	
Fax Number	
School Email	

#### TEACHER/ADVISOR INFORMATION (If same as above, please indicate 'same')

Teacher/Advisor Name	
Mailing Address	
City/Town	
Postal Code	
Telephone Number	
Fax Number	
Teacher/Advisor Email	

Registration Fee: includes resource materials, accommodation and food for five-person team and two advisors

**1<sup>st</sup> team is \$500 + GST= \$525**

**2<sup>nd</sup> team from same school is \$750 + GST= \$787.50**

**Paid by:**

Money Order "

Personal Cheque "

School Cheque "

If you are registered and have not received your resource materials please contact me!

## Upcoming Events

### Resources

The Story of Stuff

[www.storyofstuff.com](http://www.storyofstuff.com)

From its extraction through sale, use and disposal, all the stuff in our lives affects communities at home and abroad, yet most of this is hidden from view. **The Story of Stuff** is a 20-minute, fast-paced, fact-filled look at the underside of our production and consumption patterns. **The Story of Stuff** exposes the connections between a huge number of environmental and social issues, and calls us together to create a more sustainable and just world. It'll teach you something, it'll make you laugh, and it just may change the way you look at all the stuff in your life forever.

### Scholarship

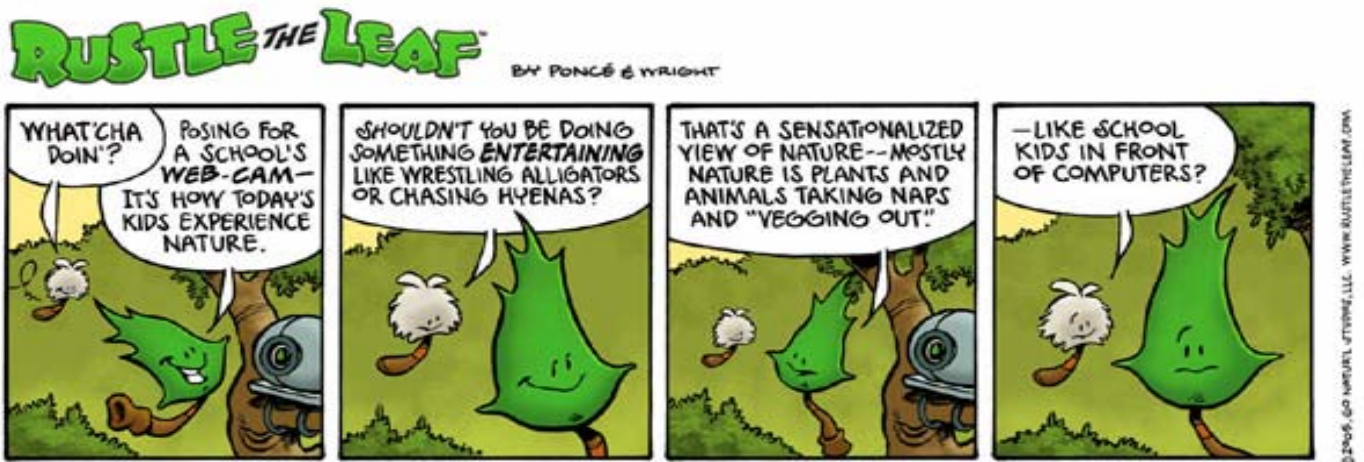
Submissions for the 2008 Sustainable Development Scholarships are now being accepted. The deadline for submissions is April 4, 2008. Application guidelines and forms are available at:

[www.gov.mb.ca/conservation/susresmb/scholarship/index.html](http://www.gov.mb.ca/conservation/susresmb/scholarship/index.html)

### Websites

The Canon Envirothon has launched a new website. See their new site at [www.envirothon.org](http://www.envirothon.org)

Manitoba Education, Citizenship and Youth, Education for Sustainable Development has a declaration for sustainable living that you might find interesting <http://www.edu.gov.mb.ca/k12/esd/index.html>



For further information on Manitoba Envirothon, contact:



Andrea Swain, Manitoba Envirothon Coordinator  
900 Corydon Avenue, Winnipeg, MB, R3M 0Y4  
Phone: (204) 453-3182  
Fax: (204) 477-5765  
Email: [envirocoordinator@mts.net](mailto:envirocoordinator@mts.net)

Manitoba Envirothon  
[www.mbenvirothon.com](http://www.mbenvirothon.com)