

The Giant's Rib

DEDICATED TO INCREASING AWARENESS AND PROTECTION OF THE NIAGARA ESCARPMENT WORLD BIOSPHERE RESERVE

Stan Nowak, Editor

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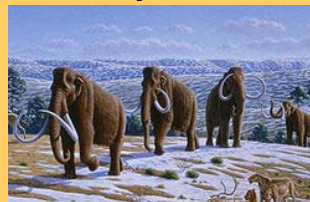
The Bruce Duncan Memorial Lecture Series

The Giant's Rib Discovery Centre proudly announces the return of fall edition of this year's annual Bruce Duncan Memorial Lecture Series. This series, named in honour of the former General Manager of the Hamilton Conservation Authority, is dedicated to promoting the Niagara Escarpment as an internationally-recognized World Biosphere Reserve, as well as being a truly unique topographic feature of our natural and cultural heritage.

NEXT PRESENTATION: SUNDAY, OCTOBER 4:

Studying the Woolly Mammoth

with Dr. HENDRIK POINAR, Professor and Researcher at McMaster University



Dr. Hendrik Poinar is an Associate Professor at McMaster University and a molecular evolutionary geneticist and biological anthropologist by training who specializes in ancient DNA research.

In 2005, Dr. Poinar was reported to be working on the sequencing of the woolly mammoth genome. So far, he and his team have mapped 1 per cent of the woolly

mammoth genome, and they say they should be able to finish the rest in a year or two. In September 2008, his laboratory published results showing that after a long period of separation in the mammoth populations of Siberia and North America, the Siberian mammoth population had been completely replaced by mammoths of North American origin.

Join Dr Poinar as he discusses the life and times of these long extinct elephant-like creatures that once roamed extensively over Southern Ontario.

UPCOMING PRESENTATIONS

Sunday, November 8: THE HISTORY OF THE HAMILTON NATURALISTS CLUB - 90 Years of Protecting Nature
JEN BAKER - HNC'S Program Co-ordinator for Head of the Lakes Land Trust

Sunday, December 6: DRAGONFLIES AND DAMSELFLIES - Ways to start Observing them and using them for Conservation
BRENDA VAN RYSWYK - Natural Heritage Ecologist, Conservation Halton

All presentations will be held at the Dundas Valley Trail Centre, Dundas Valley Conservation Area, 650 Governor's Road, Dundas.

Park entrance fee is \$3.00 per person or a maximum \$6.00 per car. No admission fee for children under 12. All presentations will be held the Sunday afternoons of the noted date, starting at 2:00 p.m. There is no charge for the lectures, but donations are always welcome and appreciated.

For further information: Kenneth Hall (kenjoan75@sympatico.ca), Stan Nowak (basil.cottage@sympatico.ca).

Everyone is welcome - we look forward to seeing you !!

The Giants Rib presents

Art and Photography of the Heritage of the Niagara Escarpment

Celebrating 'the art' of the natural and cultural heritage of the Niagara Escarpment featuring a new local artist every month at the Dundas Valley Trail Centre.

Dundas Valley Conservation Area, 650 Governor's Road, Dundas. Saturdays and Sundays only from 10:00 a.m. - 3:30 p.m.

Park entrance fee is now \$3.00 per person, or a maximum \$6.00 per car. No admission fee for children under 12.

FOR THE MONTH OF SEPTEMBER:

Natural Landscapes, with a concentration on the local environment
featuring the art of BRANDY MOORE, Artist

Brandy has been following her desire to express herself on paper and canvas for many years. Rather than pursuing a formal art education, Brandy has developed her own art with occasional focused art courses to enhance certain skills. She enjoys all forms of art and has chosen not to focus on any particular subject or medium – choosing instead to experiment with new styles and subjects whenever the mood or inspiration arises. She has worked with oils, watercolour, pastels, colour pencils and ink.

Brandy is currently exploring natural themes using acrylics on canvas. She loves natural forms and is particularly moved by the wonderful compositions

that nature produces with miraculous profusion, but which we quite often do not see since they are fleeting moments in our hectic lives.

UPCOMING EXHIBITIONS

November: Hamilton's Fabulous Natural Environment
VIC MCBOURNIE – Photographer

December: Selections from the Permanent Collection

Waterfalls along the Niagara Escarpment by Joseph Hollick

Ever Changing Lower Glendale Falls

Lower Glendale Falls is located on Montgomery Creek in between the Bruce Trail and the now closed section of Mount Albion Road in east Hamilton and is considered a curtain terraced type falls. It has a height of 3.3m (11 ft.) and a width that varies from 4m (13 ft.) to 6m (20 ft.).

To reach Lower Glendale Falls exit the LINC/Red Hill Valley Parkway at Mud St. then turn left at Winterbury which then becomes Paramount. Continue on Paramount, turn left onto Kingsview Dr. and follow it to the bend. Take the Bruce Trail, which is on the right side for about 200m. Lower Glendale Falls is located on Montgomery Creek.

The attached photos depict four different phases of Lower Glendale Falls:

1. In Oct. 22, 2004, there was not sufficient water showing and there was too much debris at this location (what would become Lower Glendale Falls), thus this was NOT included as one of Hamilton's waterfalls at that time.
2. The next photo taken of Lower Glendale Falls four years later (2008) shows that all the loose rocks that had existed four years previously on the face of the waterfall has been washed away, thus exposing this area to be a waterfall. It was decided then to include this as one of Hamilton's newly discovered waterfalls.



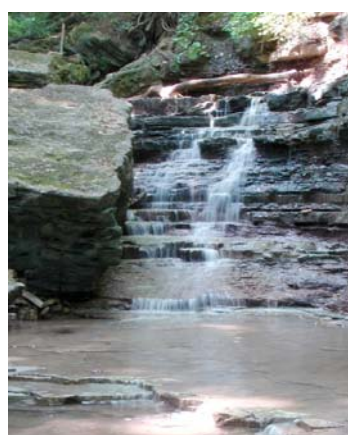
1.



2.



3.



4.

3. On visiting Lower Glendale Falls in the spring of 2009 it was observed that many loose rocks from the adjacent cliff face had fallen onto the waterfall (most likely due to winter freezing and thawing).
4. The fourth photo was taken in August 2009 after the 100 year storm event of July 26. This massive storm changed Lower Glendale Falls again by removing all the loose rocks and the pond that had formed at the base thus increasing the height slightly (yet to be measured).

This waterfall is an excellent example of how waterfalls can change dramatically due to forces of nature in such a small time frame, in this case less than five years!

Teacher's Kit Available

The Giant's Rib is able to provide teachers of Grade 4 with a guide and resource package on "ROCKS AND MINERALS" based on the Ontario Science and Technology Curriculum.

There will be no costs to schools or teachers because this project is sponsored by TD FRIENDS OF THE ENVIRONMENT FOUNDATION.

If you are interested or know teachers who would be interested in receiving this package, please contact Ken Hall at 905-627-1320.

Join the Friends of the Giant's Rib

Your assistance would be welcome in helping the **Giant's Rib Discovery Centre** to increase awareness and protection of the **Niagara Escarpment World Biosphere Reserve**; or you may wish only to be kept informed of upcoming GRDC activities and events.

We hope to hear from you!

For more information, please contact: Ken Hall **905-627-1320** Gord Perrault **905-648-8041**

***Please consider the environment.
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