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**UPCOMING SPEAKER**

*Join us September 24th for a presentation by Michael McTavish on exotic earthworms and restoration.*

*See [waterlooregionnature.ca](http://waterlooregionnature.ca) for details, and pg. 14&15 for information on more upcoming speakers!*

**OUTINGS, OUTINGS, OUTINGS**

*Read inside for more information on upcoming outings, and check your email for further updates, cancellation information, and new outings added.*

**BOARD MEMBERS NEEDED**

*Waterloo Region Nature is looking for a new vice president! Support the club, nature appreciation, and local conservation– Volunteer today!*



Eastern Comma Butterfly  
 Photo: D. Hitchens

**THE HERON**

FALL 2018

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**Successful Nesting of Bald Eagle in Waterloo Region, Part IV**

By Bill Wilson

In the winter of 2003, *rare* CRR hosted the first of several annual Bald Eagle workshops to inform participants about the status of Bald Eagles in Ontario and provide an opportunity to observe eagles overwintering along the Grand River. I spoke about the continental distribution, history and showed photos provided by Barry Cheriére of Bald Eagles to aid in identification and ageing. OMNR Bald Eagle expert, Pud Hunter, spoke of the Bald Eagle as a “pollution monitor” for in the 1990s autopsies of eagle carcasses found along the lower Great Lakes had implicated heavy metals contamination in their premature deaths by liver and kidney malfunction. Hunter described our local river and shoreline conditions as ideal for wintering eagles to feed and roost; he predicted that the river corridor would be appropriate habitat for nesting.

During preparation for Bald Eagle workshops, I became interested in the historical status of Bald Eagle in Waterloo Region. Club archivist at the time, Betty Cooper, researched club minutes; her efforts provided considerable information. The first documented record of Bald Eagle was by Jerry Knechtel, 7 November 1937 near Puslinch Lake. From 1940s to early 1960s, submissions were few: Nick Carter (Doon, 28 February 1949), Willard Shaeffer (WR, 21 March 1959), Dick Hilborn (Blair, 17 February 1961) and during the 1953 Kitchener CBC, the first and last recorded on this count until 1986. Consecutive annual CBC sightings began in 2002.

The most significant find by Betty Cooper was minutes of a field trip, 28 May 1949, led by Fred Montgomery to Spottiswood Lake, South Dumfries Township, during a Federation of Ontario Naturalists annual and regional meeting sponsored by KWFN. Participants visited a known, unoccupied Bald Eagle nest near the lake. Contact with farmers, Jim Morton, and Wilbur Guthrie, retired, resulted in a July 2008 visit by Jerry Guenther, Bill Read and me to the Robert Guthrie farm near Spottiswood to observe this historical nest site.

*Continued on pg. 9*

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**Submission  
Deadlines:****Winter Issue**

October 15th

**Spring Issue**

February 15th-

**Fall Issue**

July 15th

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All WRN Club  
meetings are held  
in the Reception  
Hall of the  
Waterloo Knox  
Presbyterian  
Church

50 Erb St. West

Regular Meetings  
begin at 7:30pm.  
Doors open at  
7pm.

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# President's Corner



## The Environmental Two-Step

Early in my career and after a few frustrating experiences, a wise man and personal mentor encouraged me to look at obstacles that I will face while working in the environmental field as dancing the 'environmental two-step'. With every positive progress and step taken forward, inevitably there will be a setback or steps taken backwards. I have carried this philosophy with me and continue to look for and celebrate the forward steps instead of focusing only on the frustrations and set-backs.

As I prepare to undertake another round as WRN President, I am reminded once again of this dance and the fellow WRN member that gave me that piece of advice. As a club, we have taken many positive steps forward and are setting up for the coming year in a good place. We are preparing new programs like the WRN Teens group, we will be a voice in a community planning process for Hidden Valley and will act as a potential partner in local land conservation via the raresites initiative. With these exciting steps, we still have work to do. We currently find ourselves in need of new board members, particularly a Vice President. I encourage you to consider taking on this position and help us keep our rhythm.

Being active members in our community and advocates for the environment, it is hard not to get down or feel like we are not doing enough. This is likely more true recently with the outcome of the Ontario election and the less than appealing

changes being proposed. Despite some steps being taken backwards, we can still move forward. As you read this article, it won't be too far off from your own municipal election. You can speak up, ask questions and make sure your local candidates are advocating alongside you for conservation and environmental protection. WRN continues to be a strong voice in these areas and we encourage you to get involved as projects and proposals come up.

When it comes to environmental issues, there will always be setbacks. Instead of focusing on the negatives, see the positives, look for the steps forward and help influence the changes you want to see in your community and in our club. Remember, that in this dance, there is always that initial step forward so don't get too discouraged.



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The following outings are confirmed for Fall 2018. In the event of change or cancellation, WRN members will be notified by email. Outings are free unless otherwise noted. **WRN thanks the various property owners for so generously sharing nature on their land.**

### Fern Hike at Laurel Creek Nature Centre

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**When:** Saturday, September 8, 2018 at 9:30am for approximately 2 hours.

**Where:** Meet near the entrance to Laurel Creek Nature Centre– Beaver Creek Rd.

**Who:** Fraser Gibson                      519-576-9287                      fn.gib@sympatico.ca

Join Fraser on a leisurely walk through the Nature Centre's beautiful hardwood forest. The focus of the outing will be learning to identify some of Waterloo Region's common ferns. We should be able to find about 10 species on the property. We'll be on the lookout for any other objects of interest so bring your sharp eyes and curiosity. The walk to the forest, as well as in the forest, will be on foot paths that are part of an established trail system. No washrooms available. No RSVP required

### Nature at SpruceHaven

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**When:** Saturday, September 15, 2018 at 8:30am until around noon.

**Where:** SpruceHaven, 2005 Notre Dame Drive, St. Agatha, ON. Park near the drive shed and in the vicinity of the barn as much as possible.

**Who:** David Gascoigne                      519-725-0866                      theosprenest@sympatico.ca

Join David Gascoigne for a ramble through the different habitats at SpruceHaven; enjoy a session at the mist nets to see which migrants are passing through; marvel at a large Barn Swallow colony in a century old barn, and chat with Dave Westfall and his sister, Sandy, and brother-in-law, Jamie, while enjoying coffee and cookies after the morning's activities. **RSVP:** Please let David Gascoigne know if you will be attending in order to gauge numbers for the refreshments.

## HAVE AN OUTING SUGGESTION?

Contact [outings@waterlooregionnature.ca](mailto:outings@waterlooregionnature.ca)

Next outing deadline is Oct 15, however ideas are welcome at any time!

## Schmidt Woods, Wilmot Recreation Complex

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- When:** Thursday, September 20, 2018 at 10:00am for approximately 2 hours.
- Where:** Wilmot Recreation Complex, 1291 Nafziger Road, Baden. BEHIND building; enter off Nafziger Rd and drive straight ahead around north (left) end of the building. Park near the Splash Pad.
- Who:** Wayne and Lynda Buck 519-662-2529

We will walk the stone dust trail looking for autumn plants such as asters and goldenrods. We will also identify some of the 18 species of hardwood trees found in this bush. Although the focus will be on plants, those with sharp eyes and keen ears may be able to point out some migrating birds or permanent residents such as White-breasted Nuthatches or Downy Woodpeckers. Washrooms available in complex.

## Hawk Cliffs and Environs

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- When:** Saturday, September 22, 2018 from 8:00am until 2:00pm.
- Where:** Meet at the Fountain Street carpool lot.
- Who:** Jim Burrell 519-699-4695 burrellsc@golden.net

We will travel to the Port Stanley area to look for migrants and then proceed to Hawk Cliff to do a “big sit” to watch for migrating raptors. Bring binoculars, scopes, reference books. Be sure to pack a lunch, water, hats and a lawn chair.

## Fall Walk on Baden Sandhills

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- When:** Wednesday, October 3, 2018 at 1:30pm for approximately 2 hours or as interest dictates.
- Where:** 2774 Sandhills Road, Baden. Park in the driveway.
- Who:** Jim Cappleman 519-634-5633

Join Jim for a Fall walk on his property on the Baden Sandhills, one of the largest kames on the Waterloo Moraine. Enjoy Fall colour, find fungi and other flora and fauna. A steep hill or two, otherwise easy walking. Washroom available.

## Schneider's Woods

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- When:** Tuesday, October 9, 2018 at 9:00am for approximately 2 hours.  
Rain date: Wednesday, October 10, 2018
- Where:** Meet at Wideman Road and Wilmot Line in Waterloo.
- Who:** Dale Ingrey 519-884-3667 ingreyda@hotmail.com

Join Dale for this annual Thanksgiving (actually the day after) hike through the forests and hills of Schneider's Woods. We'll try to spot some late fall migrants as well as the resident birds, and whatever else happens to be in the area. We'll also see the trees, asters and goldenrods, etc. in their autumn splendour. Bring binoculars, field guides and a drink for this approximately two-hour hike. We'll meet and park on Wideman Road just east of the Wilmot Line. One or two moderately challenging hills. No washrooms available. Attendance confirmation not necessary.

## Cozy Nature Book Club 2018-2019

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**When:** Monday, November 5, 2018  
 Monday, December 3, 2018  
 Monday, January 7, 2019  
 Monday, February 4, 2019  
 Monday, March 4, 2019

1:30-3:30pm  
 on the first Monday of the month  
 (see left for specific dates)

**Where:** Mill-Courtland Community Centre, 216 Mill St, Kitchener. (Please note: Mill-Courtland CC is nut free.). On bus route. Parking behind building as well as in front. Enter by front door (as other doors are usually locked). No stairs.

**Who:** Lynn Conway 519-886-0812 (H) 519-501-2553 (C)  
[lynnconway@rogers.com](mailto:lynnconway@rogers.com)

We meet monthly during late fall and winter to drink tea and tell each other about something nature related that we have read. The something could be a book, a magazine, article or poem that is fiction or non-fiction. RSVP is appreciated, but not required.

## Membership Director's Report

*By Anne Godlewski*

### Membership renewal notice

It's time to renew your Waterloo Region Nature membership for the 2018–2019 year.

You can renew and pay for your membership online, in person, or by mail. You do not need to sign up for any special accounts to renew online, and you can even choose to renew online but pay in person.

To renew online, go to [waterlooregionnature.ca](http://waterlooregionnature.ca), click the **Membership** tab, and follow the prompts.

Alternatively, you can fill out a printed membership form (which you can also obtain online) and bring it along with your payment to our September meeting. Please bring cash or a cheque written to Waterloo Region Nature.

If you want to renew by mail, please do not mail cash.

### *Welcome, New Members!*

*Christine Alexander  
 Barbara Elve  
 Cathy Hale  
 Helen Lammers-Helps  
 Robert Little  
 Sandra Ponc  
 Cody Pritchard  
 Kelly Pritchard  
 Jeffrey Pritchard  
 William Pritchard  
 Frank Steinmoeller  
 Marj Steinmoeller  
 Henriette Thompson  
 Bernard Watts*

### *Thank you to our donors:*

*Betty Cooper  
 Elementary Teachers' Federation of Ontario – Waterloo Region  
 Barbara Elve and Robert Little  
 Sandra Ponc  
 Peter Rasberry  
 Bernard Watts*

## Know any Kids? Invite them to WRN Kids!

Sign up now for another year of WRN Kids! We're a nature club where nature-loving 7- to 12-year-olds bring along an adult to Laurel Creek Nature Centre in Waterloo on the last Saturday morning of the month and have fun together doing a cool nature activity with a naturalist.

During 2018-19, we'll learn about Monarch butterflies, aquatic creatures, indigenous skills, endangered turtles, the night sky (special evening program), and we'll snowshoe (if it snows on the right day!), and plant trees -- and more! Stay tuned for news about extra adventures on our bonus outings, too!

Can't wait to meet you or see you again on September 29 so sign up now! And invite your friends!

See our blog from this past year here: [wrnatureclub.wordpress.com](http://wrnatureclub.wordpress.com)

Sign up for 2018-19 here: <https://waterlooregionnature.ca/kids/>

Questions? Write me here! [kids@waterlooregionnature.ca](mailto:kids@waterlooregionnature.ca)



## Know any Teens?!!! Tell them the NEWS about WRN Teens!

WRN is starting a brand new club! We're looking for teenagers (already in high school or starting this fall) who want to earn volunteer hours and help the environment with monthly habitat restoration projects and learning opportunities.

It's easy to join.

Just send us a short e-mail explaining why this is a good club for you! We three organizers are still putting together the details for WRN Teens to partner with local municipalities, the Grand River Conservation Authority and other environmental organizations and projects. We'll meet once a month, probably on a Saturday, starting in September,

More info to come but let us know you're interested at [teens@waterlooregionnature.ca](mailto:teens@waterlooregionnature.ca)

Can't wait to meet you and get to work!  
Marg Paré, WRN Kids Coordinator  
Anita Smith, WRN Conservation Director  
Josh Shea, WRN President



# WRN Photo Gallery



KW Earth Day Photos: P. Bigelow.



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# WRN Photo Gallery



Stamm Woodlot Wildflowers Photos: P. Bigelow.



Some wildlife on the Grand River. Photos: D. Thomas



Voices of the Night Outing. Photos: J. Quinn



Wayne Buck at the Montgomery property during the spring clean up. Photo: A. Smith

**Do you have nature or event photos to share? Send them to [editor@waterlooregionnature.ca](mailto:editor@waterlooregionnature.ca)**



## Successful Nesting of Bald Eagle in Waterloo Region, Part IV By Bill Wilson

*Continued from pg. 1*

**B**ob Guthrie, the current farmer, escorted us to the site and spoke of his visit(s) to the nest with his father, Wilbur, as a youth. Maps of the location and information compiled are now on file at the ROM.

Following Hilborn's sighting in 1961, seventeen years would pass until the next recorded entry: Edith Hunsberger and Marion Scholz at Conestogo 14 and 15 February 1978. Sightings increased significantly in the 1980s: Doug Snyder near Freeport, 26 July 1981; then, several sightings in 1986: John Miles, at Bridgeport, 20 December; Harry and Marie Walker, Nith River near Washington, 26 April; and, 24 May, a notable sighting from Regional Road 97 near the 401 by Joan M. of a single eagle with a green, right-wing tag and leg band. In 1983, the Southern Ontario Bald Eagle Monitoring and Re-introduction Program had been initiated by CWS and OMNR. During a four-year period, 32 healthy eaglets from Northwestern Ontario, wing tagged and banded, were released from Long Point National Wildlife Area and Taquanyah Nature Centre and Conservation Area near Cayuga (Environment Canada 2001). Former club member, Bruce Duncan, was their resource interpreter at that time.

This release program appears to have "jump started" the return of Bald Eagles to the Grand River through K-W to Glen Morris. During the ten-year period, 1984 to 1993, there were 21 sightings by: Marilyn Armstrong, Ralph Beaumont, Duane Brown, Ron Bauman, Paul Eagles, Andy Entz, Craig Campbell, Barb Charlton, Ted Cheskey, Harold Detler, Rob Dobos, Edith Hunsberger, Annie and Erwin Meissner, John Miles (club outing), Berys Taylor, Edgmont Poth, Bill Read, Marion and Max Scholz, Norm Shantz, Bill Smith, Doug Snyder, Rod Steinacher (club outing), Harry and Marie Walker and Bill Wilson. All sightings were of individual birds except when two were reported on 2 February 1991 and on 14 December 1993.

Bird sightings were initially recorded only in the minutes of club monthly meetings. Beginning in

1977, Bruce Duncan and Marion Scholz maintained the records in a binder; later, they were printed in the club newsletters. More recently Ken and Mike Burrell uploaded all past records, which included Bald Eagle sightings since 26 December 1953, to eBird.

Post script: After two successive fledglings of young from the Grand River nest site in 2016 and 2017, a violent storm passed through the Region on 4 May 2018 and nest activity ceased for the year (fide Bob Fraser, Bill Read). Subsequently, on 6 May 2018, an adult pair perched downriver at the Confluence, both presumably hunting for themselves, having no further parental duties.

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# City Nature Challenge Results

By Jenna Quinn

In April, Waterloo Region competed in the first ever international City Nature Challenge, a bioblitz-style competition where cities around the world compete to see who can make the most observations of nature, find the most species, and engage the most people.

Although spring had not quite sprung here in Waterloo, hundreds of citizens searched their backyards, local parks, and nature reserves looking for the sights and sounds of nature. More than 2500 observations were made of over 430 species. Highlights included a vulnerable species of freshwater mussel called Elktoe, and a Short-eared Owl, Eastern Ribbonsnake, and Kentucky Coffeetree, all species at risk in Canada.

Two events were hosted in partnership with Waterloo Region Nature. David Gascoigne hosted an early morning exploration at SpruceHaven and sightings from Fraser Gibson’s Voices of the Night Outing also added to our regional tally. Thanks to all club members who participated by leading events,



Elktoe mussel. Photo by F. Gibson.

making nature observations, and identifying local sightings.

In total, the City Nature Challenge contributed nearly 450,000 nature observations to iNaturalist worldwide, an amazing display of the power of citizen science. The San Francisco Bay Area took a sweeping victory with more than 40,000 observations of nearly 3,000 species, but of course the knowledge learned about urban biodiversity around the world is the real prize.

## Welcome New & Returning Board Members!



See the Contacts section on page 2 for information on your 2018-2019 WRN Board. Vice President and Publicity Director remain open. Consider volunteering!

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## Ontario Nature Report

By Fraser Gibson

### Midland Painted Turtle Designated as a Species of Concern

This colourful reptile is a familiar sight in ponds throughout southern Ontario. In April 2018, the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) designated the midland painted turtle as Special Concern. This means that all of Ontario's eight turtle species are now at risk of disappearing from the province. Because painted turtles are slow to mature and only lay a small clutch of eggs each year, the deaths of even a few adults can negatively impact population sizes. The biggest threats to the species' survival are roads and habitat loss. Nesting females are particularly vulnerable to road mortality because they lay their eggs in the soft roadside shoulders. Add to that the historical loss of more than 70 percent of southern Ontario's wetlands and it is not hard to see why the midland painted turtle is now at risk.



### Help Us Protect Boreal Caribou

Boreal caribou are classified as provincially and nationally threatened. Science shows they need vast tracts of old evergreen forest to avoid predators, but habitat fragmentation remains a key threat to their survival in managed forests. Despite this, forestry lobbyists have sowed seeds of doubt by denying the problem exists, denying their role in creating the problem and vilifying conservation proponents. Their playbook is clear. Please take a moment to [tell the Government of Canada that these myths must be dispelled](#), and action must be taken with provinces to plan for caribou recovery and sustainable prosperity. Your voice matters.

### Petrel Point Accessible Boardwalk Unveiling

In late May, Ontario Nature unveiled their new 200-metre wheelchair-accessible boardwalk at [Petrel Point Nature Reserve](#). Located on the southern Bruce Peninsula, Petrel Point is often described as a garden of wildflowers. The boardwalk will be further extended this summer so that people of all abilities will be able to enjoy this incredible property!

## 2018 Annual Gathering

Ontario Nature's 2018 Annual Gathering was held June 1-3, 2018 at Isaiah Tubbs Resort in Prince Edward County. WRN was well represented by a good number of our members attending the very successful event.

In recent years a friendly “Natural History Quiz” has been held on the Friday evening. Teams are assembled for this friendly competition to identify specimens provided by the ROM. This year’s competition required 67 identifications. WRN members in attendance that evening were the winners of the challenging quiz. From left clockwise: Nancy Gibson, John Hassell and Kirsten Dahl (ON staff), Heather (Orillia FN), Scott Beamer, Stephanie Sobek-Swant, Fraser Gibson. Missing from photo: Sue Beamer



The Great Ontario Natural History Quiz winning team © Noah Cole

## Nature Network News

Ontario Nature publishes a monthly Nature Network Newsletter from which I draw material for the Heron. If you wish to see each newsletter they are posted on the Ontario Nature website at: [Nature Network News](#).



## Upcoming Speakers and Meeting Programs

Meetings are held on the fourth Monday of the month at 7:30pm. Meetings are free and visitors are always welcome. Meeting Location: Reception Hall, Waterloo Knox Presbyterian Church, 50 Erb Street West, Waterloo

Read full presenter biographies at [waterlooregionnature.ca/meetings](http://waterlooregionnature.ca/meetings)

### SEPTEMBER

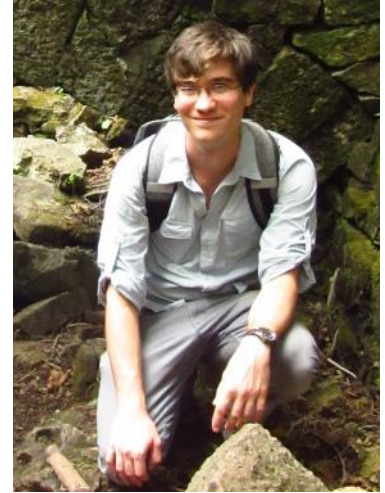
September 24, 2018

#### Learning to Live with Novelty: Exotic Earthworms & Restoration

Michael McTavish

**The Presentation:** Exotic earthworms are a widespread source of ecological novelty in many ecosystems. Without practical options for prevention or control, it is important to investigate how these species affect the tools that we use to manage and restore ecosystems and to “learn to live with them”. Native or not, these species are here to stay, making it important to better understand their new roles in these ecosystems.

**The Presenter:** Michael McTavish is a PhD Candidate at the University of Waterloo working in the Conservation and Restoration Ecology (CaRE) Lab with Dr. Stephen Murphy. His graduate work has focused on exotic species as sources of ecological novelty and their implications for conservation and restoration.



### OCTOBER

October 22, 2018

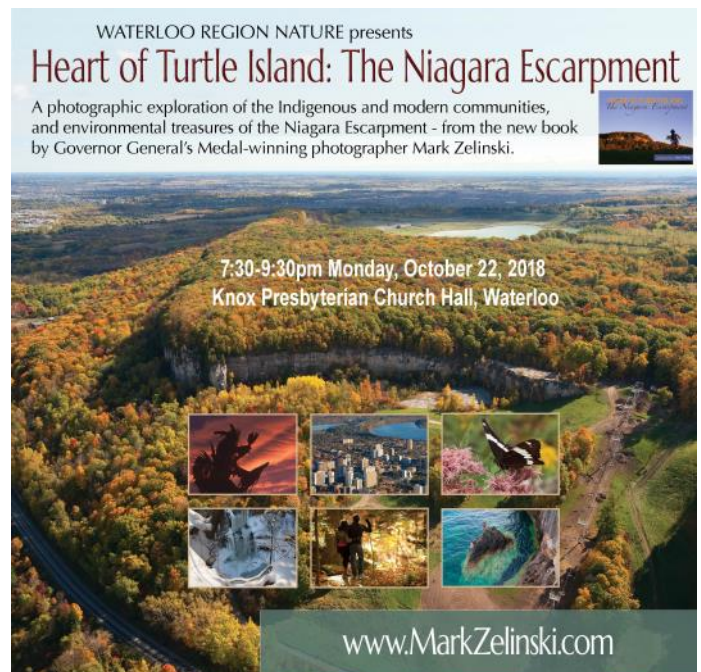
#### Heart of Turtle Island: The Niagara Escarpment

Mark Zelinski

**The Presentation:** This month, award-winning photographer and publisher Mark Zelinski will present of images and stories that bring exquisite focus to the environmental treasures of the Niagara Escarpment, celebrating the diverse communities that thrive along its rugged, curving paths. Its aquifers and ecosystems support hundreds of at-risk species that coexist alongside the most densely populated and heavily developed region in Canada.

**The Presenter:** Trained as an artist and a designer, Mark Zelinski’s diverse career as a professional photographer has taken him across 80 countries, with clients ranging from The National Film Board of Canada to Panasonic. He is also a publisher, writer, painter, filmmaker and winner of the Canadian Governor General’s Medal. Zelinski is best known for his “Books That Heal” initiative - donating 7,000 copies of his photography books to 100 worldwide charities. To find out more about Mark’s work, visit

<https://www.facebook.com/MarkZelinskiPhotographicDesign>





# NOVEMBER

November 26, 2018

## From Stinking Flowers to Flying Squirrels: The Weird and Wondering Wildlife of Borneo Heather Bagg

**The Presentation:** Borneo is home of the comical orangutan, the world's stinkiest largest flower, monster flying squirrels, birds (beautiful and not so beautiful), including the endemic bristlehead and a large diversity of hornbills, monkey with the biggest schnoz, an amazing array of butterflies, and other spectacles. The world's third largest island hosts one of the longest underground rivers and other cave systems hosting an amazing bat exodus and caves where swiftlet nests are harvested for bird's nest soup. Heather's lifelong passion for birding and nature has taken her for months at a time to some of the world's most exotic locations and is excited to share her adventures in Borneo with WRN this month.

**The Presenter:** Heather Bagg has been a nature lover with a special passion for birds since a "wee lass" inspired by Red Rose tea cards and a children's bird book given to her by her grandmother, and later, birding with Dennis Rupert, founder of Lambton Wildlife. Traveling often months at a time, she's been to 30 countries and had close encounters with poisonous snakes, anacondas, huge spiders, killer bees, and strangers in the night. Her photo club and teaching experience, love of research, passion for wildlife, and always hiking with camera in hand have helped in developing her enthusiastic multi-media travel presentations that she has delivered to various organizations over the years. As a member of WRN, she looks forward to sharing with the club the natural wonders the world has to offer.



# DECEMBER

December 10, 2018

## Annual Holiday Party

**\*Special Time\***

**7pm-9:30pm**



- Join us for Waterloo Region Nature's Annual Holiday Party! Come out for a great evening with friends, music, decorations, and delicious food. This event is always a great time thanks to many creative and dedicated volunteers.
- Potluck: please bring an appetizer or desserts to share!
- Fair trade, bird-friendly, shade grown coffee will be provided, as well as hot mulled local apple cider.

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### Membership Annual Fees

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Adult Individual \$35  
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Student (19+) \$25  
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for youth (<18)  
Club year runs from  
Sept. to August; Memberships  
1/2 price after January 31st  
Cheques made payable to:  
Waterloo Region Nature  
Bring payment to  
the next meeting or mail to:  
Waterloo Region Nature  
317 Highland Rd E.  
Kitchener, N2M 3W6  
Membership details at:  
[https://  
waterlooregionnature.ca/  
membership/](https://waterlooregionnature.ca/membership/)

### Objectives of WRN

TO acquire and disseminate knowledge of natural history.  
TO protect and preserve wildlife.  
TO purchase and hold appropriate parcels of land for the advancement of conservation.  
TO support public interest in nature and its preservation by supporting the enactment of wise legislation and by other means as falls within the scope of the Corporation.

### General Information

Meetings are held on the fourth Monday of the month, September to May with the exception of December. Our meetings are free and visitors are always welcome. Outings are scheduled almost every month.

"The Heron" is the official publication of WRN. Information is written and submitted by volunteer members of the club. Articles reflect the views of the authors and are not necessarily the views endorsed by the WRN club. The Heron is published three times per year. Please see page 2 for details.

Print copies of the newsletter are available at meetings free of charge to members. Newsletters available on our web site at:

[https://  
waterlooregionnature.ca/  
newsletter/](https://waterlooregionnature.ca/newsletter/)

### Advertising Rates for The Heron:

Advertisement Size	Per issue	Full year (3 issues)
Full Page	\$200	\$520
Half Page	\$100	\$260
Quarter Page	\$50	\$130
One-tenth Page (business card)	\$25	\$65

**WRN is a registered charitable organization. Membership fees and all donations are tax deductible.**

**Waterloo Region Nature is a member of Ontario Nature.**  
[www.ontarionature.org/](http://www.ontarionature.org/)