

# The Orchid



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Know • Appreciate • Conserve Nature in All Its Forms



## **Love is in the Air!**

Aphrodite Fritillaries and Bumble Bee Feeding on the Nectar of Joe Pye Weed.

Photo taken on July 21 on Sandy Lake Road by Rene Gareau.

### **Inside:**

Map of Peterborough Nature Destinations

Butterfly Outings and Petroglyphs Butterfly Count Results

Book Review: The Hidden Life of Trees

Lots of Nature Events Coming Up



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Water snake on Indian River on May 29. Photo: Marla Williams



Green frog at Emily Creek on July 9. Photo: Marla Williams

## Welcome new PFN members!

- Fiona McKay
- Jennifer Ross
- Samantha Lee Thayer
- Karla Georg and Juniors Nia, Connor, & Felix
- Danielle Ethier & Josh Sayers and Juniors Annica Sayers, & Mae Sayers



Painted turtles at Carden Plain on June 3. Photo: Marla Williams



Carden Plain on June 3. Photo: Marla Williams



Mourning Cloak. Photo: Rene Gareau

## PFN Coming Events

<p style="text-align: center;">Sundays Sept. 2 to Oct. 28 8 to 11a.m.</p>	<p><b>Sunday Morning Wildlife Walks:</b></p> <p>Join our regular autumn Sunday morning walks to spot migrating birds and other signs of the changing seasons. Unless otherwise stated, the outings will start from the Peterborough Zoo parking lot on Water Street at 8:00 a.m. and last around three hours. Accessibility: generally easy to moderate.</p> <p>Bring a pair of binoculars and dress for the weather. We normally carpool, so please be ready to make a small contribution to gas costs. The following PFN members will lead the outings:</p> <table border="0"> <tr><td>Sept. 2</td><td>Jerry Ball</td></tr> <tr><td>Sept. 9</td><td>Chris Risley</td></tr> <tr><td>Sept. 16</td><td>Martin Parker</td></tr> <tr><td>Sept. 23</td><td>Paul Elliott (Accessibility: moderate but with some steep slopes)</td></tr> <tr><td>Sept. 30</td><td>Drew Monkman</td></tr> <tr><td>Oct. 7</td><td>Dave Milsom</td></tr> <tr><td>Oct. 14</td><td>Don McLeod – see separate entry for details</td></tr> <tr><td>Oct. 21</td><td>Lynn Smith</td></tr> <tr><td>Oct. 28</td><td>Jerry Ball</td></tr> </table>	Sept. 2	Jerry Ball	Sept. 9	Chris Risley	Sept. 16	Martin Parker	Sept. 23	Paul Elliott (Accessibility: moderate but with some steep slopes)	Sept. 30	Drew Monkman	Oct. 7	Dave Milsom	Oct. 14	Don McLeod – see separate entry for details	Oct. 21	Lynn Smith	Oct. 28	Jerry Ball
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<p style="text-align: center;">Wednesday, September 12 7:30 p.m. Camp Kawartha Environment Centre 2505 Pioneer Road</p>	<p><b>Monthly Meeting: The Native Brook Trout Population Within Harper Creek and Byersville Creek</b></p> <p>Guest Speaker: Scott Blair, M.Sc. Candidate at Trent University in Environmental and Life Sciences</p> <p>Scott was first introduced to the Harper Creek brook trout population by Kim Zippel and Don McLeod during spawning surveys in the fall of 2016. He could not fathom that these trout were reproducing in what is merely a road side ditch. Ever since then, he has been fascinated with this population of fish. This fascination quickly turned into a research opportunity.</p> <p>Scott will be presenting to us some of the preliminary findings of the habitat use and movement of brook trout within the creek, along with some of the reasons as to how these trout are surviving in this urban environment.</p>																		
<p style="text-align: center;">Saturday, September 15 Meet at Tim Horton's in Sobey's Plaza, Lansdowne Street West at 7 a.m.</p>	<p><b>Shorebirds and Monarchs</b></p> <p>This annual outing to Presqu'ile Provincial Park is to view the gathering of migrating shorebirds as they are making their migration from their Arctic breeding grounds to their wintering areas, primarily in the southern hemisphere. In the fall, the birds linger longer than in the spring. We will be visiting the viewing locations in the southern end of the beach to view the shorebirds and other fall migrants.</p> <p>The fall migrations of Monarch butterflies will be commencing at this time of the year and arrangements are being made with Park Staff to conduct a demonstration on Monarch banding for the participants of this outing. Time will be spent looking for some of the other species of fall butterflies.</p>																		

PFN Coming Events	
	The leaders for this outing are Martin Parker and Matthew Tobey. There will be an early departure for this outing in order to increase the opportunities of seeing shorebirds prior to them being disturbed by falcons and people. The outing will return to Peterborough in the midafternoon. Bring a packed lunch, binoculars, camera, and telescope (if you have one).
<p>Wednesday, October 10 7:30 p.m. Camp Kawartha Environment Centre 2505 Pioneer Road</p>	<p><b>Monthly Meeting: Flying Squirrels of Ontario</b></p> <p>Our guest speaker, Dr. Jeff Bowman, is an adjunct professor at Trent University and a research scientist in the Wildlife Research and Development Section of the MNRF. His research takes place in the boreal forest where he studies wildlife ecology, including studies on wolverines, caribou, martens, Lynx and flying squirrels.</p>
<p>Saturday, Oct. 13 Meet at 9 a.m. at Tim Horton's parking lot at the Canadian Tire/Sobey's Plaza, Lansdowne St. W.</p>	<p><b>Hawks Over Cranberry Marsh</b></p> <p>Each fall as the hawks and other raptors are heading southwards, they are blocked by the water of Lake Ontario. They will migrate westerly along the north shore of the lake looking for a way around it. On this outing, we will travel to the Cranberry Marsh in Whitby to observe the annual fall hawk watch. The hawk watch operates through the months of September and October. On the date of this trip there should be buteos and possibly eagles migrating through. The exact number will depend on the weather conditions, especially the wind direction. If the hawk migration is slow there will be lots of other things to see. The trip will also provide an excellent introduction to the prime hawk migration monitoring location on the north shore of Lake Ontario.</p> <p>Meet trip leader, Martin Parker, at 9:00 a.m. in the Tim Horton's parking lot at the Canadian Tire/Sobey's Plaza, Lansdowne Street West. We will carpool for the travel to Cranberry Marsh. The trip will return in the late afternoon. Bring a packed lunch, binoculars, and clothes suitable for the weather forecast on the day of the outing. A portable chair for sitting in while looking for hawks would be advantageous.</p>
<p>Sunday, Oct. 14 8:30 a.m. Meet at the public parking lot on Crawford Drive</p>	<p><b>Ballyduff Trails and Fleetwood Creek</b></p> <p>Don McLeod will lead a fall colours walk at the Ballyduff Trails and Fleetwood Creek Natural Area. This will be a joint outing between PFN and Willow Beach Field Naturalists (WBFN). We will be looking for birds plus wildlife tracks and signs. Fall colours will be a treat and the trails are beautiful.</p> <p>The Ballyduff Trails are on private property owned by Ralph McKim and Jean Garsonnin. They have generously offered their trails to the public through an agreement with the Kawartha Land Trust. The nearby Fleetwood Creek Natural Area is managed by Kawartha Conservation.</p> <p>Meet at the public parking lot on Crawford Drive, at the end of Harper Road and just off the Parkway and Sir Sandford Fleming Drive at 8:30 a.m. From the parking lot, it is about a 25 minute drive to the outing location. We plan to meet the WBFN</p>



### PFN Coming Events

	<p>folks around 9 a.m. at the Ballyduff Trails location:  <a href="https://goo.gl/maps/7cmhgeMD6Ty">https://goo.gl/maps/7cmhgeMD6Ty</a></p> <p>Optional items to bring include a packed lunch, binoculars and camera. If room permits, picnic blankets or lawn chairs would be helpful. Weather cooperating, we will have a picnic lunch after the walk. Accessibility: moderate. There is some uphill walking.</p>
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### PFN Junior Field Naturalists (ages 5-12)

<p>Junior naturalist families are reminded to check the website for event listings and email <a href="mailto:pfnjuniors@gmail.com">pfnjuniors@gmail.com</a> if you're not on the members distribution list for event announcements. Bookings can be made online at <a href="https://peterboroughnature.org/junior/">https://peterboroughnature.org/junior/</a></p>	
<p>Sunday, Sept. 2  2 p.m.  Camp Kawartha  2505 Pioneer Road</p>	<p>Welcome back Junior Naturalists!</p> <p>Looking for a bit more summer fun before the fall weather starts? Join us at Camp Kawartha on Sunday, September 23 at 2 p.m. for some outdoor games and activities. Spaces are limited at this event, so registration and PFN membership are required. Please book spaces for your children using the booking feature on the PFN website.</p>

### Other Events of Interest

<p>Sunday, Sept. 16  9:30 am to 1 pm</p>	<p><b>Seasons on the Moraine: Fall Flowers &amp; Other Finery</b></p> <p>Explore nature as the seasons unfold on the Oak Ridges Moraine. Walk the Ballyduff Trails next to Fleetwood Creek Conservation Area with expert naturalists and enjoy a great meal at the farm. For more information, please visit <a href="http://southpondfarms.ca/seasons-on-the-moraine/">http://southpondfarms.ca/seasons-on-the-moraine/</a> or contact South Pond Farms at 705-277-1649.</p>
<p>Sunday, Sept. 16  1 to 4 p.m.  Sheidow Farms  1063 Hwy 7A,  Bethany Hills</p>	<p><b>Sheidow Farms Property: Open Gate</b></p> <p>Join the Kawartha Land Trust for an afternoon of adventure and take advantage of this unique opportunity to tour the Sheidow Farms property, which is normally not open to the public.</p> <p>Come anytime from 1 p.m. until 4 p.m. to explore the trails on your own or join one of our guided walks: The "Hiking Hero" at 1:30 p.m. (medium difficulty, approximately 1 hour) or The "Short and Sweet" at 2:30 p.m. (beginner difficulty, approximately 45 mins.)</p>
<p>Saturday, Sept. 22  10:30 a.m. to 3 p.m.</p>	<p><b>Prairie Day</b></p> <p>Join the Alderville First Nations Black Oak Savanna and Rice Lake Plains Joint Initiative for a day of celebrating our local habitats and ecosystems! During this</p>

	Other Events of Interest
8467 County Rd 18, Alderville	annual celebration expect live music, nature walks, native foods, traditional teachings, children's activities, partner exhibits, talks and more. This is a family friendly event. No pets please. More info: <a href="http://www.facebook.com/PrairieDayCelebration/">www.facebook.com/PrairieDayCelebration/</a>
Peterborough Museum & Archives to Sept. 23	<b>On the Trail of the Monarch Butterfly</b> In August 2005, Mexican filmmaker and pilot Francisco Gutiérrez took off in his ultralight aircraft from Montréal to follow the monarch butterflies on their 6,000 km migration from Canada to the mountains of central Mexico, in a bid to raise awareness of importance of preserving the butterflies' habitat. "On the Trail of the Monarch Butterfly" features breathtaking aerial photographs taken by Mr. Gutiérrez.  In collaboration with the Embassy of Mexico, the Canadian Aviation and Space Museum has produced an exhibition from the material recorded by Mr. Gutiérrez on his journey aboard the Papalotzin - the nickname of his ultralight aircraft, which means small butterfly in the Aztec language.
Sunday, Sept. 30 10 a.m. McKim-Garsonnin Property	<b>Seed Collecting</b> Come help the Kawartha Land Trust pick the seeds of an endangered ecosystem to help in the future replanting of the grasses and wildflowers of our native prairies. Even take some seed home to spread the prairie around! A great hands-on way to learn more about this rare and disappearing habitat that once covered a large part of the landscape.  Sign-up by email <a href="mailto:tunrau@kawarthalandtrust.org">tunrau@kawarthalandtrust.org</a> or call the KLT office at 705-743-5599

## President's Message - Municipal Election and the Local Environment

Municipal elections are taking place this October. Due to rapid local development, many significant natural areas in Peterborough are under threat. These include Jackson Park (the Parkway), Harper Park, and the Trent University natural areas to name but a few.



The Board encourages club members to address their concerns about the environment with candidates for mayor and city council in the current election campaign. To assist club members in making an informed choice, the Board will be sending all candidates some questions on protecting the environment and asking them to reply stating their position.

We will circulate the responses we receive to all club members via e-mail and at the members' meeting on October 17.

~Ted Vale, President

## Book Review: The Hidden Life of Trees by Peter Wohlleben

Submitted by Marilyn Freeman

If someone said to you that trees have brains, that they communicate with one another through the “wood wide web”, that they nurture their children – would you believe it or would skepticism make you wrinkle your face? Prepare yourself for an amazing ride and read *The Hidden Life of Trees* by Peter Wohlleben. (ptbo library #582.16WOH)

Wohlleben is a German forester and author whose books about ecology have landed themselves on the New York Times bestseller lists - and with good reason: they are eminently readable, entertaining and jaw-droppingly educational.

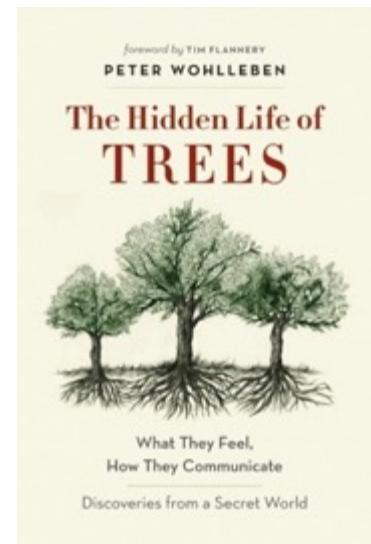
Take the idea of trees having brains. Where would that “brain” be located? If roots are the most important part of a tree then, conceivably, the tree equivalent of a brain would be there. Wohlleben documents how trees are able to learn so they must also be able to store experiences somewhere. No one knows exactly where but the roots are part of the tree best suited to the task – especially over a long period of time. Since the root network is in charge of all chemical activity in the tree going in both directions bringing substances into the tree and delivering the products of photosynthesis to the tree’s fungal partners in the ground as well as even sending warning signals to neighbouring trees – well it’s still hard to wrap our own brains around the idea of trees having brains, too. For there to be something even vaguely recognized as a brain there would have to be electrical impulses as well as chemical activity. This CAN be measured in trees!

Wohlleben goes into detail on the connectivity of everything in a natural forest, including the tiny creatures living in the ground. “There are more life forms in a handful of forest soil than there are people on the planet. A mere teaspoonful contains many miles of fungal filaments. All these work the soil, transform it, and make it so valuable for the trees.” (p. 86) The myriad of interconnected life isn’t just below ground. While we hear of life in the rainforest canopy, the variety of life in a temperate canopy is also amazing. In 2009, an experiment was conducted on the canopy of the oldest and tallest trees in the Bavarian Forest National Park. The treetops were sprayed with pyrethrum, an insecticide. The lethal results showed how species-rich life in the canopy is. The scientists counted 2041 animals belonging to 257 different species. (p. 132)

One of the most enjoyable things about this book was all the “I didn’t know that!” moments. For example, did you know that silver birches were white to reflect the sunlight and heat of the unshaded areas in which they tend to grow. The white colour is betulin, an antiviral and antibacterial substance. Birch bark is a great fire starter, not because it’s dry and papery, but because its fibres are saturated with oil to repel browsers like deer.

Most leaves “breathe” from their undersides and have their photosynthesis factories on their upsides. Not trembling aspens. These leaves are able to be photosynthetic factories on both sides and their skinny stems allow them to flit around in the breeze to take advantage of their double-sided production abilities.

Forests are not just interconnected within themselves. There is also interconnectivity from a global forest view. A Japanese marine chemist discovered that “leaves falling into streams and rivers leach acids into the ocean that stimulate the growth of plankton, the first and most important building block in the food chain. More fish because of the forest? The researcher encouraged the planting of more trees in coastal areas, which did, in fact, lead to higher yields for fisheries and oyster growers. (p. 245)





Wohlleben's mission is to help readers understand forests, what makes them healthy and their relation to what makes us humans healthy. He cites Switzerland as a country concerned with the species-appropriate treatment of all green things. The Swiss constitution reads in part that "account [is] to be taken of the dignity of creation when handling animals, plants and other organisms." While some might think this is over-the-top, Wohlleben welcomes the breakdown of moral barriers between animals and plants. A healthy ecosystem achieves the fullness of life with tens of thousands of species interwoven and interdependent.

Take a trip into this book and learn what the trees are saying. You won't regret it!

The Hidden Life of Trees: What They Feel, How They Communicate

Peter Wohlleben

Greystone Books 2015

ISBN 978-1-77164-248-4 (cloth)

ISBN 978-1-77164-249-1 (epub)

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### Wascally Wildlife



Above left: A photo taken through Don and Emily Pettypiece's kitchen window on June 8. Don remarked, "Now I know why my bird feed disappears so fast."



Above right: "Our squirrel control", explained Don Finigan. Yes, that's a real fox on his deck on June 9 and it was in the midst of chasing squirrels.



Laurel Sphinx Moth caterpillar seen crawling close to dock on Anstruther Lake in mid-July. Photo: John Fautley



## July PFN Butterfly Outings

### Submitted by Martin Parker

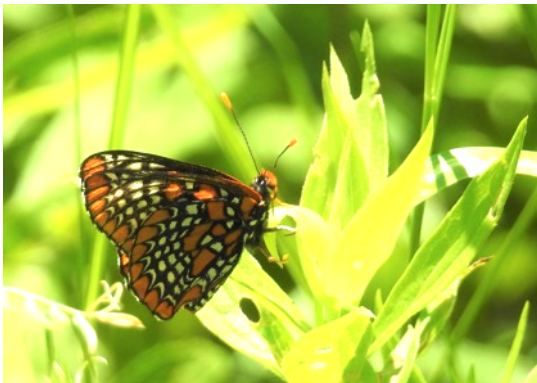
The warm sunny days of July hosted two butterfly outings for members and friends of the Peterborough Field Naturalists. Both days provided the participants with lots of opportunities to learn about the summer butterflies.

The initial outing was on the afternoon of July 7 and, with the guidance of Jerry Ball, the 21 participants walked most of the Lang-Hasting Trail between Cameron Line and Peterborough County Road 39. A total of 27 species of butterflies were spotted including spectacular views of 3 Baltimore Checkerspot.



Jerry Ball's outing on July 15 on Sandy Lake Road.  
Photo: Martin Parker

The final results: 4 Silver-spotted Skipper, 1 Least Skipper, 2 Peck's Skipper, 1 Crossline Skipper, 1 Long Dash Skipper, 3 Delaware Skipper, 2 Hobomok Skipper, 2 Dun Skipper, 3 Eastern Tiger Swallowtail, 5 Cabbage White, 5 Mustard White, 35 Clouded Sulphur, 1 Orange Sulphur, 1 Striped Hairstreak, 6 Summer Azure, 2 Great Spangled Fritillary, 3 Meadow Fritillary, 3 Pearl Crescent, 15 Northern Crescent, 3 Baltimore Checkerspot, 2 Eastern Comma, 1 Red Admiral, 2 White Admiral, 4 Viceroy, 1 Northern Pearly-eye, 13 Common Wood-Nymph, and 4 Monarch.



Baltimore Checkerspot. Photo: R. Gareau  
A total of 30 species of butterflies were identified.

The following Sunday, July 17, Jerry Ball led a group of 11 butterfly enthusiasts from both the Peterborough Field Naturalists and the Kingston Field Naturalists to the Sandy Lake area. This roadway is surrounded by hectares of sedge fen, mixed hardwood forest and rocky ridges with lots of nectar-bearing flowers. According to Jerry, it is the finest location for seeing butterflies in central Ontario. Fortunately, a major portion of the area is crown land so is partially protected from development.

Highlights of the Sandy Lake outing include the finding of 6 species of hairstreaks, 10 species of skippers (including an estimated 2,000 Dun Skipper), and 15 Pink-edged Sulphur. A

The final results for Sandy Lake Road: 5 Columbine Duskywing, 2 Least Skipper, 2 European Skipper, 4 Peck's Skipper, 10 Delaware Skipper, 6 Mulberry Wing, 1 Hobomok Skipper, 18 Broad-winged Skipper, 7 Dion Skipper, 2,000 (est.) Dun Skipper, 15 Pink-edged Sulphur, 1 Bog Copper, 8 Acadian Hairstreak, 1 Edwards' Hairstreak, 1 Striped Hairstreak, 3 Coral Hairstreak, 1 Gray Hairstreak, 1 Eastern Tailed-Blue, 4 Summer Azure, 28 Aphrodite Fritillary, 1 Atlantis Fritillary, 4 Northern Crescent, 8 Compton Tortoiseshell, 11 Mourning Cloak, 5 White Admiral, 5 Eyed Brown, 1 Common Wood-nymph, and 15 Monarch.

On the trip to Sandy Lake Road, the group visited Post Road off County Road 46 and added Pearl Crescent and Clouded Sulphur to the day's list. They also visited the beacon site. The day's total was 32 species of butterflies representing 2,201 individuals.

Thanks to Jerry Ball for his leadership of these two butterfly outings.

## 19<sup>th</sup> Annual Petroglyphs Butterfly Count

### Submitted by Martin Parker

The 19<sup>th</sup> annual Petroglyphs Butterfly Count was held on Saturday, July 20 with a total of 20 participants under the direction of Jerry Ball, count compiler. This count is one of hundreds conducted across Canada, the United States and Mexico each summer under a programme of the North American Butterfly Association (NABA).

The participants this year observed a total of 6,351 butterflies representing 51 different species. Another 31 caterpillars of two species were also found.

Highlights include:

**Monarchs** – A total of 229 adults and 30 caterpillars is the highest number recorded since the count held in 2012 when 301 were recorded. Only 4 adults were recorded on the 2016 count. Since then the numbers have been increasing. The average of the counts from 2012 onwards is 102 individuals.



Compton Tortoiseshell in camouflage.  
Photo: Rene Gareau



Appalachian Brown. Photo: Rene Gareau

**Hairstreaks** – A total of seven species of Hairstreak Butterflies were recorded on the count: probably the greatest diversity on any count in the province.

Special thanks to the participants who spent the day counting butterflies. The required count fees to the NABA was paid by the PFN Legacy Fund annual grant.

### Dun

**Skipper** – The 4,914 spotted on this year's count is a new high for this count and probably a new high for any butterfly count in North America. The previous continental high was 4,242, and was also recorded on the Petroglyphs count. This count usually has more Dun Skippers than any other count in the continent. The average number since the 2012 count is 1,770 individuals. This year's count was noteworthy.



Pearl Crescent. Photo: Rene Gareau



**19<sup>th</sup> Annual Petroglyphs Butterfly Count Summary: July 21, 2018**

Species	Park	Sandy L. Rd South	Sandy L. Rd North	Cty Rd 46 South	Cty Rd 46 North	Jack Lake	McCoy Bay Road	Forest Access Rd	Total
Black Swallowtail		1							1
Eastern Tiger Swallowtail	1				1	1		1	4
Mustard White	1					2			3
Cabbage White	2			1				2	5
Clouded Sulphur	20	12	4	4	10	12	7	19	88
Orange Sulphur	1					3		1	5
Pink-edged Sulphur		4	3			3			10
Bog Copper			1						1
Acadian Hairstreak		2		7		9			18
Coral Hairstreak	2	10	8	3					23
Banded Hairstreak		1	1					1	3
Hickory Hairstreak								1	1
Edwards' Hairstreak								1	1
Striped Hairstreak	1	2		1					4
Gray Hairstreak		5	10	5					20
Eastern Tailed Blue			2	1		1			4
Summer Azure	1	2	3		2	1		2	11
Great Spangled Fritillary	5	4	2	6	4	5	1	15	42
Aphrodite Fritillary	1	25	11		12	2	2		53
Atlantis Fritillary		2				3		3	8
Silver-bordered Fritillary			1						1
Tawny Crescent								1	1
Pearl Crescent	6	11	9	9	1	13	3	4	56
Northern Crescent	16	6	3	3	3	12	37	16	96
Eastern Comma	2					2	1	1	6
Gray Comma						2		1	3
Compton Tortoiseshell							1	1	2
Mourning Cloak	1		1	1		1	2		6
American Lady						2			2
White Admiral		11	7		13	2	4	12	49
Viceroy	1	1							2
Northern Pearly-Eye		5							5
Eyed Brown	2	2	6	7	6	3		3	29
Appalachian Brown								1	1
Common Wood-Nymph	1	27	1	11		1		5	46
Monarch	13	14	5	5	38	109	14	51	249



**19<sup>th</sup> Annual Petroglyphs Butterfly Count Summary: July 21, 2018**

Species	Park	Sandy L. Rd South	Sandy L. Rd North	Cty Rd 46 South	Cty Rd 46 North	Jack Lake	McCoy Bay Road	Forest Access Rd	Total
Columbine Duskywing	52	22	16	12		9	11	2	124
Delaware Skipper	9	6	1	3		37	6	38	100
Least Skipper					2	4	2	2	10
European Skipper				1		51	32	3	87
Peck's Skipper		3		1		14	23	2	43
Tawny-edged Skipper		6				2	2	2	12
Crossline Skipper	1	2				3		5	11
Long Dash						3			3
Northern Broken-Dash	12	1				3	7		23
Little Glassywing	4		1	2		1	14		22
Hobomok Skipper								1	1
Mulberry Wing		5	4	1		1	1	13	25
Broad-winged Skipper	3	16	16	35	2		1	9	82
Dion Skipper			2			1		1	4
Dun Skipper	165	1,867	960	208	180	677	460	397	4,914
<b>Unidentified</b>									
Large Fritillary sp.			6	1			2		9
Hairstreak sp								2	2
Crescent sp.			1	6					7
Skipper sp								11	11
Comma sp.				2					2
<b>Total Individuals</b>	<b>323</b>	<b>2,075</b>	<b>1,085</b>	<b>336</b>	<b>274</b>	<b>995</b>	<b>633</b>	<b>630</b>	<b>6,351</b>
<b>Total Species</b>	<b>25</b>	<b>29</b>	<b>25</b>	<b>22</b>	<b>13</b>	<b>34</b>	<b>21</b>	<b>33</b>	<b>51</b>

**Caterpillars**

Monarch	1	4	7		1	6	11	1	30
White Admiral			1						1

**Area Participants**

Park: Joan and Robert DiFruscia

Sandy Lake Road South: Kathy Parker, Brian Wales, Rene Gareau

Sandy Lake Road North: Susan Blayney, Dan Bone, Ginny Moore, D. Kaposi

Cty Rd 46 South: Carolyn King, Steve LaForest

Cty Rd. 46 North: Martin Parker, Lynn &amp; Larry Smith

Jack Lake: Jerry Ball

McCoy Bay Rd: Matthew Tobey, Sean Smith, Ruth Davenport

Forest Access Rd: Dennis Barry, Margaret Carney

### The Inspiration of a Tree

Only feet from a trail following the Sandy Lake shore  
Stood a white pine aged a hundred years, perhaps more.  
To me it's always been a hollow stump waist-high.  
Now a pine sapling within it reaches for the sky.

Bearing patchy burns, axe cuts and woodpecker excavation,  
Its ridged, lichen-sprinkled surface invites exploration.  
The mid-afternoon sun makes the sapling's needles shine,  
Defining it with bright tone, searing it in my mind.

The fertile, moist soil and symbiotic fungus did empower  
Several years ago, a seedling no larger than a flower  
To grow up from the dark shell wherein it took root,  
Producing this image my words strive to suit.

Murray Arthur Palmer, 2017



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### Notes on Bird Baths

#### Submitted by Michael Gillespie

If you are going to invest in or otherwise utilize a bird bath in your garden to attract birds, here are some factors to consider from a long-time bird bath observer:

The most important factor in the size of the bath is the bowl: it shouldn't be too deep unless you keep the water shallow. Birds like to bathe by standing in the water and splashing it up with their wings. Shallow rocks may be added if the bowl is too deep. Also, the sides should not be too steep as it may prevent an inviting, gradual entry or be too high to prevent their necessary looking about for predators. Further, many birds may not actually dip in the bath, but just come for a drink. Thus, a not-too-high surrounding side may afford them a perch upon which they can lean over and drink. A wide circular bowl is advisable in case more than one bird desires to share the bath.

With regard to texture, I prefer untreated cement as it gives the birds more purchase for drinking or exiting the bath; plastic can be too slippery. As to finish, I would leave it unpainted as no yearly maintenance would be required and the presence of flaking paint may not be good for the birds' health.

The water should be refreshed everyday if possible to prevent mold, the accumulation of bird droppings as well as to prevent the water from being too warm. We find that the birds are most attracted to our two baths after 4:30 pm when it's a little cooler, with cool water being used to fill the bowls.

If molds are evident, scrubbing (without chemicals) should be done using a wire brush.

Given that a variety of birds - large and small - may visit, more than one bird bath can be useful.

Regarding accessibility, the baths should be in the open, allowing the birds to have clear sightlines for security and not be too close to windows or other solid structures, allowing them free flight escapes. Having said this, nearby perches may be beneficial for them to dry off and preen or perhaps to wait their turn at the baths. Our baths are both in the flower gardens of which the birds seem to be appreciative and allow perches on some of the sturdier plants.



If formal bird baths are unavailable for any reason, a wide shallow pottery bowl with a rough surface if possible could be substituted, but it should be placed 2 or 3 feet off the ground. (Glass may be too slippery.)

Our list thus far this summer includes: Robins, Mourning Doves, Grackles, Goldfinches, Song and Chipping Sparrows, Catbirds, Bluebirds, Cedar Waxwings, Phoebes and Yellow Warblers.



Exploring a vernal pond at Mills Block in Thunder Bay on July 18. Photo: Donna Kehoe

requirement for certification is thirty hours of volunteer work for a not-for-profit organization involved in naturalist or environmental work.

### What I Did on My Summer Vacation

Yours truly, The Orchid Editor, took a week off work this summer to attend the Ontario Master Naturalist Program in Thunder Bay. This program, the first of its kind in Canada, was launched in 2014 at the Lakehead University campus in Orillia and was brought to the Thunder Bay campus in 2017. It is the brainchild of Bob Bowles who is the driving force behind the program. He organizes and runs it. I opted to take the Thunder Bay program because it ran for a straight week (more like a vacation) whereas the Orillia program runs only on weekends.

The program consists of lectures that run for half a day, which are presented by university professors, TAs, Bob Bowles and/or local experts; and field trips which run for the other half of each day. It's a wonderful opportunity to expand one's knowledge of the natural world and to make lasting connections with other like-minded people. A hope of the program is that people will become environmental stewards, so a

A few catch-up pictures:



Snowy Owl at Glen Alda, May 30. Photo: Carol Horner



Merlin in Dave Milsom's backyard, April 13.





Director Martin Pick of the Community Foundation presenting a cheque for the PFN Legacy fund on June 13 to PFN President, Ted Vale



PFN booth at Buckhorn Fine Art Festival August 17-19. Photo: Robert Pratten

Orchid submissions are encouraged!

The submission deadline for the next issue is **Friday, September 21.**

Send submissions to Kathryn Sheridan via email: [orchid@peterboroughnature.org](mailto:orchid@peterboroughnature.org)

or post mail to: PFN, PO Box 1532, Peterborough ON K9J 7H7



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<b>Meeting Coordinator</b>	Marie Duchesneau	<a href="mailto:duchesneau13@hotmail.com">duchesneau13@hotmail.com</a>	874-5739	<b>Advocacy Committee</b>	Jim Cashmore, Jim Young, Marilyn Hubley, Martin Parker, Ted Vale, Sue Paradisis
<b>Outings Coordinator</b>	Paul Elliott	<a href="mailto:pauelliott@trentu.ca">pauelliott@trentu.ca</a>	740-0501	<b>Harper Park Stewardship</b>	Dylan Radcliffe, Lynn Smith, Rene Gareau, Marilyn Hubley, Ted Vale
<b>Digital Comms Co-coordinator</b>	Marilyn Hubley	<a href="mailto:maykeema@hotmail.com">maykeema@hotmail.com</a>	760-9378	<b>Webmaster</b>	Chris Gooderham <a href="mailto:webmaster@peterboroughnature.org">webmaster@peterboroughnature.org</a>
<b>Special Projects</b>	Rene Gareau	<a href="mailto:rene.gareau@sympatico.ca">rene.gareau@sympatico.ca</a>	741-4560	<b>Peterborough CBC</b>	Martin Parker
<b>Assistant Treasurer</b>	Sue Paradisis	<a href="mailto:sueparadisis@hotmail.com">sueparadisis@hotmail.com</a>	741-1336	<b>Petroglyphs CBC</b>	Colin Jones
<b>Ontario Nature Representative</b>	Lesley Hale	<a href="mailto:lesleyhale@hotmail.com">lesleyhale@hotmail.com</a>	917-0373	<b>Peterborough Butterfly Count</b>	Jerry Ball
Peterborough Field Naturalists, P.O. Box 1532, Peterborough, Ontario, K9J 7H7					



## The Orchid Diary



A summary of noteworthy observations by PFN members and others in the Peterborough region.

Information is compiled from eBird, Drew Monkman's Sightings web page,

the ptbosightings Yahoo group, and individual submissions.

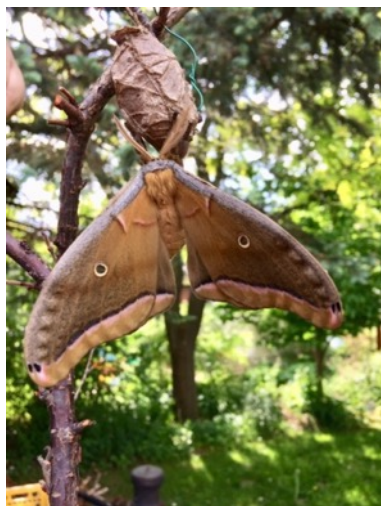
Please submit your interesting observations to Martin Parker at mparker19@cogeco.ca or phone 745-4750.

Weather	The summer was a summer of below average rainfall and many days over 30°C.
May 26	Jerry Ball had his first of Year (FOY) <b>Northern Crescent &amp; Black Swallowtail</b> along the Lang-Hasting Trail.
May 28	Along Sandy Lake Road, Jerry Ball had his FOY <b>Hobomok Skipper, Pearl Crescent, &amp; Olive-sided Flycatcher</b> and lots of <b>Stemless Lady's-slipper</b> in bloom. On the 10 <sup>th</sup> Line of Belmont he also had his FOY <b>Giant Swallowtail</b> .
May 29	Iain Rayner located a <b>Brant</b> on a pond off Yankee Line west of the Chemong Lake Causeway. It was also observed by Mike Burrell and Mathew Garvin. An <b>Orchard Oriole</b> was found at the Hope Mill Conservation Area by Colin Jones. A second <b>Orchard Oriole</b> was found at Whitfield Landing on the Otonabee River by Donald Sutherland and seen by other observers.
May 30	Jerry Ball had FOY <b>Common Ringlet</b> on David Fife Line. A very late <b>Snowy Owl</b> at Glen Alda (near Aspley, reported by friend of Carol Horner (see photo)
May 31	Donald Sutherland observed a <b>Cerulean Warbler</b> on Deer Bay Reach Road, a traditional location for this uncommon species in the county.
<b>Clay-colored Sparrow</b>	On May 29, one individual was found on Jones ¼ Line in Cavan/Monaghan Twp by Scott Gibson and Luke Berg. On June 1, a singing male was located near the Lakefield water tower by Kathryn Sheridan. This individual was being observed regularly by Sheridan and many other birders until late July. Luke Berg found an individual along Chemong Road on June 8, 11 and 19. Iain Rayner located an individual along Ennis Road in Selwyn Twp. on June 11. Matthew Tobey found an individual at the Huron Landing Golf Course.
June 1	Donald Sutherland spotted a <b>Philadelphia Vireo</b> at the Lakefield Lagoon.
June 2	Another <b>Philadelphia Vireo</b> was found by Tim Haan at Corrigan Hill.
June 5	A <b>Red-headed Woodpecker</b> was located in the Trent Nature Area by Dan Luckman.
June 8	Jerry Ball had his FOY <b>Monarch</b> on the Lang-Hasting Trail. Along the same trail from Cameron Line to Cty Rd 38 he had FOY <b>Viceroy, White Admiral, Least Skipper, Silver-spotted Skipper, Indian Skipper, Tawny-edged Skipper &amp; Little Wood Satyr</b> .
June 11	Jerry Ball had FOY <b>Orange Sulphur</b> on Sandy Lake Road.
June 12	Jerry Ball had FOY <b>Common Roadside Skipper, Painted Lady &amp; Harris's Checkerspot</b> along Jacks Lake Road.
June 13	Mary Wales reported seeing a cow <b>Moose</b> in the Lasswade area east of Aspley. Randy Beacher reported <b>Whip-poor-wills</b> calling in the Kinmount area. Ted Vale reported that a family of <b>Common Grackles</b> have been visiting his deck and the adults are showing the young how to feed on the scattered seed.
June 14	Ernie Sulhanek located a <b>Prairie Warbler</b> in the vicinity of Flynn's Corners.
June 15	Jerry Ball had FOY <b>Crossline Skipper</b> on Charlie Allen Road.
June 17	Jerry Ball had FOY <b>Silvery Checkerspot</b> on the trail between Cameron & Cty Rd 36. On Mervin Line, he had a <b>Mourning Warbler</b> .

June 18	Jerry Ball had FOY <b>Bronze Copper</b> on the trail between David Fife and Baseline.
June 19	On Sandy Lake Road, Jerry Ball had FOY <b>Two-spotted Skipper, Silver-bordered Fritillary, &amp; Pink-edged Sulphur</b> . There were also 166 <b>White Admirals</b> & 1000+ <b>Rose Pogonia (orchid)</b> in bloom.
June 20	On the trail from Cameron & Blezard, Jerry Ball had FOY <b>Long Dash &amp; Meadow Fritillary</b> and at Frenchman's Creek Rd he had FOY <b>Eastern Tiger Swallowtail</b> .
June 21	On Charlie Allen Road, Jerry Ball & Martin Parker had FOY <b>Northern Pearly-eye</b> . On the Galway-Cavandish Forest Access Rd, they had FOY <b>Atlantis Fritillary &amp; Red-spotted Purple</b> .
June 22	On the trail from Cameron to Cty Rd 38, Jerry Ball had FOY <b>Summer Azure</b> . He also had <b>Least Bittern &amp; Green Herons</b> .
June 26	Jerry Ball had FOY <b>Peck's Skipper &amp; Eyed Brown</b> along Sandy Lake Road.
June 27	Martyn Obbard found a <b>Black-crowned Night Heron</b> on Gannon Pond, near Gannon's Narrows.
June 29	Marie Duchesneau reported on the <b>Peregrine Falcon</b> nest on Anstruther Lake. It was another successful nesting season with one young visible on the nest. Both adults were in attendance. A <b>Common Goldeneye</b> was located on the Lakefield Lagoon by Bill Crins: a very early date for a southbound individual. Still present on July 18 by Iain Rayner.
July 2	Marie Duchesneau provided a <b>Peregrine</b> update -- 2 young successfully fledged and are doing some short flights. On the trail from Cameron to Blizzard, Jerry Ball had FOY <b>Eastern-tailed Blue &amp; Common Wood Nymph</b> .
July 3	Janet Kelly & Warren Dunlop had a <b>Northern Goshawk</b> along Cty Rd 36 in Trent Lakes. Jerry Ball & Robert DiFrusci visited Sandy Lake Road (north of Havelock) and found 39 species & 1,366 individual butterflies including FOY <b>Banded Hairstreak, Stripped Hairstreak, Delaware Skipper, Bog Copper, Northern Broken-dash, American Lady, Aphrodite Fritillary, Appalachian Brown, &amp; Mulberry Wing</b> .
<b>Black-crowned Night Heron</b>	On July 5, Erica Nol & Chris Risley located a <b>Black-crowned Night Heron</b> on the Otonabee River off Engleburn Street (area of islands north of rail bridge). It was seen by others on July 19 by Daniel Williams, July 23 by Ben Taylor and Aug. 13 by Ben Taylor & Sheila Collett. Dave Milsom had an individual fly over Scollard Drive on Aug. 11. Chris Risley observed an individual fly over the King Street Parking garage on Aug. 12. Dan Williams had an individual at same location on Aug. 19. These sightings represent post-breeding dispersal.
July 5	Bill Crins reported a <b>Sedge Wren</b> at the Miller Creek Wildlife Management Area. Chris Risley observed a <b>Northern Mockingbird</b> in the vicinity of Catchacoma-Missisauga Narrows in Trent Lakes. Jerry Ball had a <b>Question Mark</b> on the trail from Dave Fife Line to Baseline.
July 6	In the eastern section of Trent U. Nature Area, Jerry Ball had FOY <b>Little Glassywing</b> .
July 7	The PFN butterfly outing led by Jerry Ball along part of the Lang-Hasting Trail found 27 species of butterflies. See report elsewhere in this issue.
July 8	Sheelagh Hysenaj reported that she was pretty sure a <b>Lynx</b> crossed Highway 28 in the vicinity of the Eel's Creek Parkette north of Woodview. She noted it had no tail and was much larger than a house cat. On the trail between Cameron & Blezard, Jerry Ball had FOY <b>Coral Hairstreak</b> .
July 9	Jerry Ball & James Kamstra had 41 species of butterflies consisting of 2,007 individuals in the Sandy Lake Road area.



July 10	Jerry Ball located 31 species of butterflies along Sandy Lake Road, north of Havelock, including 6 species of Hairstreaks.
July 12	Jerry Ball found 2 <b>Green Comma</b> along Jacks Lake Road.
July 15	The PFN outing to Sandy Lake Road and other locations, led by Jerry Ball, had 32 species of butterflies. See separate report in this issue.
July 17	Within Petroglyphs Prov. Park, Jerry Ball found 125 <b>Columbine Duskwing</b> (largest number he has seen).
July 21	10 <sup>th</sup> Annual Petroglyphs Butterfly Count: 51 species consisting of 6,351 butterflies and 31 caterpillars. New continental high for <b>Dun Skipper</b> with 4,914 individuals. See full report in this issue.
July 31	Iain Rayner had an early fall migrating <b>Cape May Warbler</b> at the Lakefield Lagoon.
Aug. 2	Donald Sutherland had 2 <b>Red-headed Woodpeckers</b> on Brazeau Lane in Otonabee- South Monaghan Township. <b>Cape May Warbler</b> still at the Lakefield Lagoon (Bill Crins, Iain Rayner & Dave Milsom).
Aug. 4	Jerry Ball had a total of 10 <b>Giant Swallowtails</b> on the Lang-Hasting Trail.
Aug. 9	An early fall migrating <b>Bay-breasted Warbler</b> was in Millennium Park by Iain Rayner. Jerry Ball had his FOY <b>Leonard's Skipper</b> on Sandy Lake Road.
Aug. 12	A <b>Red-headed Woodpecker</b> was found along Pigeon Lake by Cathy Douglas.
<b>Great Egret</b>	Post-breeding season influx into the county has occurred. On Aug. 16, Dave Milsom had an individual on the pond on Television Road. Seen by other observers daily until at August 19. This location annually hosts a Great Egret. On Aug. 17, Ben Taylor had an individual at Laurier Avenue in the City.
Aug. 16	Donald Sutherland had a fall migrating <b>Philadelphia Vireo</b> along the Trent Rotary Trail.
Aug. 19	Dave Milsom had <b>Philadelphia Vireo</b> in the Canal Nature Area, Trent U.

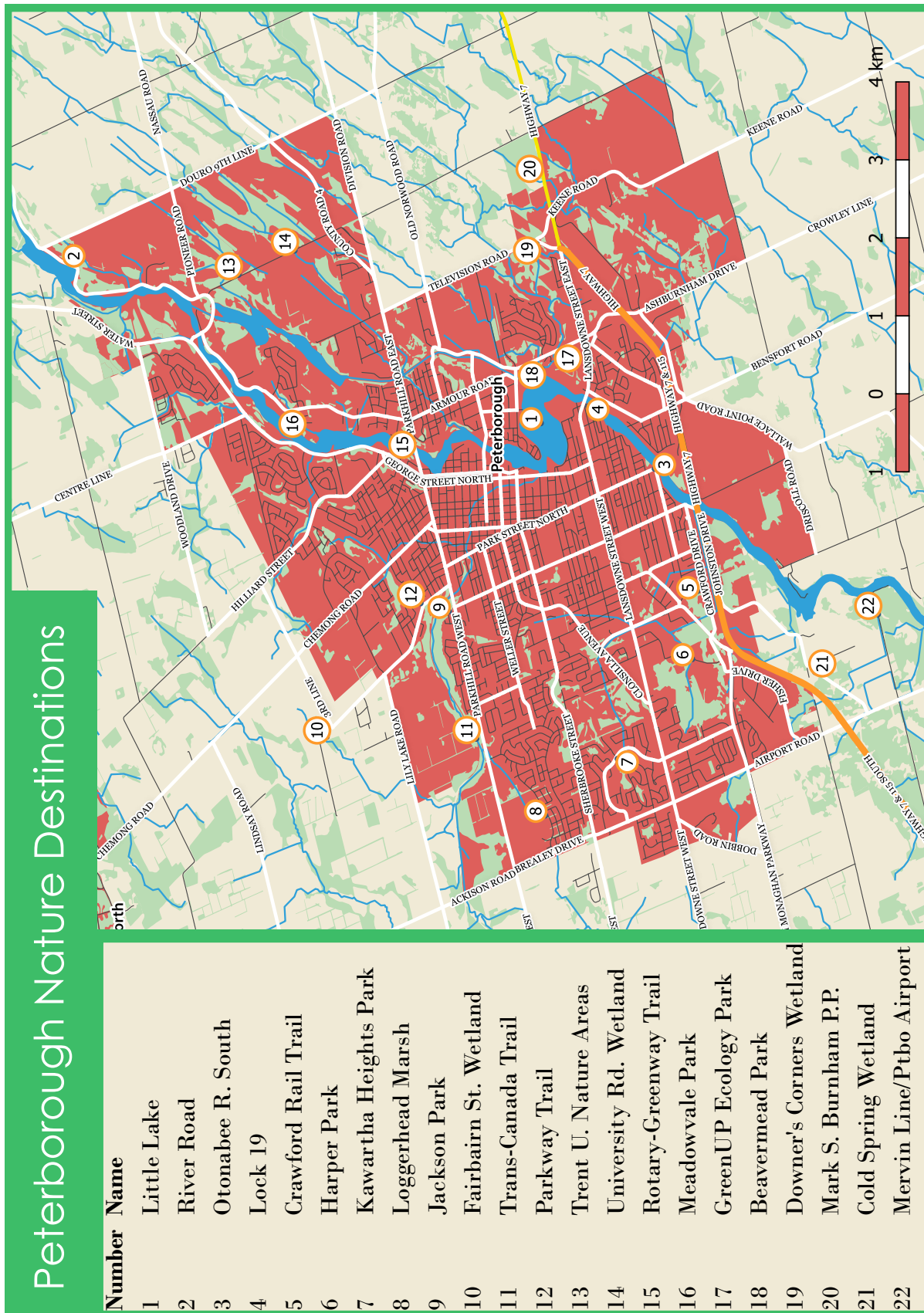


Sue Paradisis's daughter found a cocoon near the end of April. A month later (May 31), she finally got to see what it was. In the photo on the left, a Polyphemus moth is hanging from its cocoon, about to stretch its wings. The photo on the right was taken just before it flew away.



### Map of Peterborough Nature Destinations

Dylan Radcliffe has created another map of some of the nature destinations from Drew Monkman's recent Orchid articles. The map on the next page includes destinations in the city of Peterborough (refer to December 2017 Orchid). If you wish, you can keep a copy in your car for when you're driving around on a lovely day with the idea of finding a nice place to stop and check out what's going on in nature. Back issues of The Orchid can be downloaded at <https://peterboroughnature.org/the-orchid/>





# PETERBOROUGH FIELD NATURALISTS

[www.peterboroughnature.org](http://www.peterboroughnature.org)

## membership application form

Memberships may be obtained by mailing completed form and cheque to  
Peterborough Field Naturalists  
PO Box 1532, Peterborough, ON K9J 7H7

### CONTACT

Name (s):		Home Tel:	
		Work Tel:	
Address:		Receive Orchid by:	<input type="radio"/> snail mail <input type="radio"/> e-mail <input type="radio"/> both please
		Email(s):	

### MEMBERSHIP TYPE & FEE SCHEDULE

Please make cheques payable to *Peterborough Field Naturalists*

1. Single Adult \$25 ☐ 2. Single Student \$15 ☐ 3. Single Child\* (age 5-12) \$10 ☐

4. Family (couple or family with children\*) \$30 ☐

\*Please give the name(s) and age(s) of the children you wish to be enrolled in the PFN Junior Naturalists

Name	Age*	Name	Age*

### MAIN INTERESTS

<input type="radio"/> Birds	<input type="radio"/> Butterflies/insects	<input type="radio"/> Botany (Wildflowers/trees/shrubs)
<input type="radio"/> Astronomy	<input type="radio"/> Aquatic Life	<input type="radio"/> Geology <input type="radio"/> Field Trips
<input type="radio"/> Hiking	<input type="radio"/> Conservation	<input type="radio"/> Other (specify)

I (name \_\_\_\_\_) am knowledgeable in the following areas \_\_\_\_\_ and would be prepared to

☐ lead an outdoor session ☐ give a presentation ☐ prepare an article for The Orchid

### I am interested in the following:

☐ Joining the PFN Executive ☐ Sitting on research or conservation committees ☐ Working on field projects  
☐ Helping with refreshments at meetings ☐ Please have a member of the executive call me

### AGE GROUP

This information helps us to understand the needs of our members. If a family membership, please check for each adult

<input type="radio"/> Under 20	<input type="radio"/> 20-29	<input type="radio"/> 30-39	<input type="radio"/> 40-49	<input type="radio"/> 50-59	<input type="radio"/> 60-69	<input type="radio"/> 70-79	<input type="radio"/> 80< over
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### DONATIONS

Membership fees cover the general operating costs of the club while other sources of revenue are needed to fund special projects such as ecological restoration. You can assist the club by making a donation to help further our work in such areas. The PFN is a registered charity and issues receipts for income tax purposes. All donations are gratefully received and any member of the executive will be happy to speak to you concerning the use of such funds.

### LIABILITY WAIVER

In consideration of the Peterborough Field Naturalists (PFN) accepting this application, I hereby for myself, my heirs, executors, administrators and assigns forever release and discharge the PFN, their officers, directors, servants and agents from any liability whatsoever arising from my participation in PFN activities, whether by reason of negligence of the PFN or its representatives, or otherwise. I affirm that I am in good health, capable of performing the exercise required for field trips or other activities in which I participate, and accept as my personal risk the hazards of such participation. As a member of the PFN and/or as a parent/guardian of a member under 18 years of age, I have read and understood the above, and accept its term on behalf of all of my underage children.

Signature: \_\_\_\_\_