



www.kwfn.ca

The Heron **November, 2013**

Upcoming Club Meeting:
November 25, 2013 at 7:30 pm

Wing 404/Rotary Centre, Dutton Dr.,
Waterloo
VISITORS WELCOME

November Speaker: Andalyne Tofflemire **World of Moths**

Have your eyes opened to the amazing and mysterious world of moths!
Andalyne's slide show will give an overall introduction to the "moth world":
what makes them so beautiful and unique,
how to attract them yourself, and
become familiar with some of Ontario's most commonly encountered moth species."

Nominations for KWFN Awards

Conservation Award – The Conservation Award acknowledges the contributions(s) made by an individual, group, organization or corporation toward the conservation/preservation of the natural environment of the Region of Waterloo. The nominee shall have participated in or instigated or increased public awareness of (an) endeavour(s) that has/have contributed to the conservation/preservation of the natural environment of the Region.

Honorary Life Membership Award – this prestigious award acknowledges the valuable and exceptional service made by an individual to the KWFN. The recipient must be a long-time KWFN member who has demonstrated outstanding personal service and made a significant contribution to KWFN over a long period of time.

On behalf of KWFN, the President invites members to submit, in writing, nominations for these two awards. Prospective nominators must contact the President to receive a copy of the Award Criteria, prior to submitting a nomination. (Please see page 2 for contact information).

Due date for submission of nominations for both awards is December 15, 2013.

MEMBERSHIP PROMOTION

If you enjoy our programs, please consider emailing five friends about K-W Field Naturalists!

Invite them to join you as club visitors at the next meeting, or on a field outing.

Roger Suffling also has brochures available for you to distribute at other clubs, community centres, places of worship etc.

rcsuffli@uwaterloo.ca."

Mark Your Calendars

December 9; 7:00 - 9:30 pm
2013 Christmas Celebration of
Nature; info on [page 3](#)

January 27; 7:30 pm
Marion Nash- Peregrine
Foundation

February 24; 7:30 pm
Peter Raspberry-slide show
presentation highlighting the
beauty and complexity of our
fragile planet

March 24; 7:30 pm
David Brewer- Penguins



Schneider's Woods Outing

left to right:

Bill, Dale, Mary Ann, Christina,
Elsie, Mary, Jane, Jeannie,
Audrey

photo credit: Nina Ingrey

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Restrict submissions to a
maximum of 700 words.

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neiletaylor@sympatico.ca

K-W Field Naturalists 2013/2014 Young Naturalist Program

Who Are We?

We are a club sponsored by the K-W Field Naturalists to encourage kids to enjoy nature. It's a great place for kids (7-12 years of age) to get together, share exciting nature experiences and stories, and learn more about our amazing local environment. The programs will be held at the Laurel Creek Nature Centre, and will take place on Saturday mornings from 10:00 a.m. - 12:00 noon unless otherwise announced ahead of time.

Contact: Shailyn Drukis at
shailyn.drukis@gmail.com

Sat Nov. 23 – Sciensational
Ssnakes

Sat Jan. 25 – Snowshoeing

Sat. Feb. 22 – Shelter Building

Sat. March 29 – Sugar Shack

Sat. April 26 – Salamander Hike

Sat. May 24 – Bats and Moths

Winter Weather Notice

In the situation where a winter storm may arise, please tune to 105.3 Kool FM or 99.5 KFUN for meeting cancellation notices. Weather cancellations should also be provided on their websites. Information will also be available on our website
www.kwfn.ca.

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.....*you are invited to attend*.....

**CELEBRATION OF NATURE
KWFN Christmas Party
Monday, December 9th, 2013
7:00 pm to 9:30 pm**

This will be an *informal* gathering highlighting nature and celebrating our common interests, our friendships and the beauty of our world!! This will be our chance to relax and socialize while looking at one another's collections.

This is not intended to be a dinner! We are asking our members to provide either a dessert or appetizer, only. I am encouraging our members to consider bringing a locally sourced dessert and/or appetizer. Also, fair-trade, bird-friendly, shade grown coffee will be provided! Tea and punch will also be available.

We will have access to 20-25 card tables with which to display your nature related collections.

So reserve your table ASAP!!

This can be anything from art, leaf presses, butterflies, insects, birds, literary collections, photography, nature related collections and environmentally responsible creations, you name it! We want to see it! You can either sign-up for a table on the reservation sheet (available at general meetings in October and November) or e-mail me your request to myself (April) : amorrissey@golden.net or call 519-696-3677

Everyone is welcome.

Volunteers are needed - can you help us?

**Making punch--
Setting up food tables----
Cleaning up ---
Decorating----
Making coffee—**

Please contact:
April Morrissey (519-696-3677)
amorrissey@golden.net
or signup at the next meeting

Reach out for Nature!

It's important for KWFN to grow and renew. We need to get the message out that Nature is fun and that many people can be involved in conservation. Here are some simple ways to help:

- **Do you have old Ontario Nature or other nature magazines?** Take KWFN brochures home from the meeting and tape them into the magazines. Ask your dentist, doctor, auto mechanic, financial advisor etc. if you can leave a magazine or two in their waiting room.
- **Take some KWFN brochures to places where they might be appreciated** – Your work place, school, place of worship, community centre, gym, tennis club, golf course, day care.... Or??? (Always ask before placing brochures with a third party)
- **A KWFN Oktoberfest Parade presence in 2014 could celebrate our 80th anniversary** and get the message out about the environment. What would it cost? How would it be done? What would the benefits be? Please help write a feasibility report for the KWFN Board of Directors – Contact Roger Suffling for details. (rcsuffli@uwaterloo.ca 519 742 4577).

FINCH FORECAST

It's here: Ron Pittaway's annual Winter Finch Forecast for 2013-14. Ron is with the Ontario Field Ornithologists and has been issuing his forecasts for North America since the winter of 1999-2000. Major irruptions made headlines during the last GBBC and other winter counts. Find out what you can be looking for this winter. [Read now](#)
Submitted by Neil E. Taylor with permission from OFO.



Hoary Redpoll by Michael Henry

Outings and Events Schedule

November Outings

November is a transition month; autumn to winter. Leaves will disappear, winter birds are moving into the area and insect life is going into sleep mode. This is a perfect time to be out and about. If you feel inclined to do more than to come along on an outing and lead one of your choice, let me know by phone (699-4695), by email (burrellsc@golden.net) or by talking to me at the next meeting. Something new or a new location would be wonderful.

Hidden Valley Treasures

Dates: Sat November 2 at 9:00 am Leader: Neil Taylor 519-893-6469
Sun November 3 at 9:00 am Leader: Janet Ozaruk 519-893-0490

Location: The junction of Goodrich Dr. and Hidden Valley Rd. in Kitchener (near the tracks past the old Goodrich plant)

Join Neil or Janet for what has become an annual outing through this beautiful area that has been in the news and is now being featured in a petition that is attracting international attention and support. Neil regularly refers to this Environmentally Sensitive Policy Area with 3 Provincially Significant Wetlands as a "green gem" or emerald gem". The vernal ponds and up land deciduous forest habitat of the endangered Jefferson Salamander will be noted.

The hike will take us along spectacular eskers left behind during glacial melt by the deposition of sediments from meltwater rivers flowing on the ice (channel fills) or beneath a glacier (tunnel fills). After the retaining ice walls melt away, stream deposits remain as these long winding ridges. In Hidden Valley, the eskers are made up of sand and gravel sediment and cobble-sized rocks. About 3 hours in duration.

Huron Natural Area

Date: Tues November 12 at 9:30 am
Location: Parking lot at HNA entrance, 801 Trillium Drive, Kitchener
Leader: Fraser Gibson 519-576-9287

Huron Natural Area is Kitchener's largest natural area park encompassing over 107 hectares. It is composed of diverse habitats including wetlands and ponds fed by Strasburg Creek, as well as meadows, plantations and upland forest. We will walk through a variety of these habitats, share a little recent history and pass by the site of the archaeological excavation of the former Neutral village, the topic of our February 25, 2013 meeting.

Niagara and Area Gulls

Date: Sat November 30 at 8:00 am
Location: Fountain Street carpool area

Join us for an all day outing to the Hamilton and Niagara River area as we search for gulls and other waterfowl.

It is always cold so wear layers of warm clothing and good boots.

Bring a lunch, binoculars, scopes and field guides.
Walkie-talkies may come in handy also. It will be a good day; lots of birds and tiring.

Thank you to our Donors

Peter Ashenhurst,
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 Sandy & Jamie Hill,
 Judy Wyatt,
 Walter Zimmerman

Membership Report By Carol Foxall

Time is running out to renew your membership for the 2013 –14 membership year. This is the last Heron you will receive if you don't renew by Nov 15th. If you have already renewed, thank you! If not, please fill out the membership application form you received with your September Heron and give it to the membership director at the October meeting, or mail it to the address on the form.

Can't find the application form? Forms will be available at the October meeting or you can print it from our website (www.kwfn.ca) by selecting Membership, Membership Form, then clicking on the download Membership Form link. If neither of these options works for you please contact the membership director.

Not sure if you've already renewed? If you receive a printed copy of the Heron and have not yet renewed your membership an R will appear on the mailing label beside your name.

Welcome New Members!

Genie Berger
 Ross D. Dickson
 Christina Edwards
 Gail Hill
 Sarah Labrie

Board of Directors Meeting Update: By Kelly Holdaway

The following matters were discussed at the Board of Directors Meeting on September 30:

- Update on 80th anniversary planning.
- Updates to KWFN's promotional materials.
- Guidelines for using members' email addresses as a means of communication.
- Ideas for reaching out and attracting the Young Adult demographic as members to the club
- How are we performing against club objectives and what can we do to make sure our objectives are being met.
- Young Naturalist club update.

The President's Corner Graham Macdonald

Communications with Members

The KWFN Board believes that members should have the opportunity to be informed about our club and its activities by more than attendance at monthly meetings or by reading The Heron monthly newsletter. In a fast-paced world increasingly dependent on electronic communication we see the need to catch up.

As of last June we had 173 memberships. 151 memberships provided us with an email address, yet we are only using 68 of those addresses – to send out notice of the availability of an electronic newsletter. This can hardly be considered adequate use of communication tools in this day and age! We urge at least some of the 22 memberships that have not yet provided an email address to consider doing so.

We understand that some members are hesitant in using today's electronic tools, but the club must move with the times. Today's youth and working

members must feel comfortable, attached to the club, and able to communicate in ways that they use every day.

Over the last several years we have developed a good presence on the Internet with our web site www.kwfn.ca; but this is essentially a passive medium. New postings, notices, links, and photos are not presented to you with flags waving; in fact, you will never know of them unless you choose to go to the site and browse the many pages of information. It does not invite action.

Starting in October we are launching an email service that will provide notices and reminders about club meetings, outings and events, membership renewal, important news, Board approved campaigns, or worthy third party environmental postings (such as Ontario Nature input to the Legislature)

This new communication tool is intended to keep you informed of any breaking news, important dates, events or happenings in KWFN. It is our hope that you will find these communications of value. You will be able to unsubscribe easily, or

to eliminate unwanted topics. For example, if you cannot go on any outings, you can easily eliminate outings notices from your service. If you no longer wish to receive the mailings, please don't mark them as SPAM. Instead, click the Unsubscribe or Preferences link at the bottom of the page.

The new email service is being set up through an Email Manager Service that provides easy control of the mailing list, privacy, customized and personalized emails, a professional image for the club, and, most important – it's free. There is a learning curve to get all the Board and other volunteers used to using the system, so we hope you will be considerate and politely inform us when something needs to be improved. Once learned there will be only minor volunteer time involved in managing the system.

Let us know what you think – send your thoughts to any of us. We'd love to hear from you. We are excited about it – we hope you are too!

GALAPAGOS ISLANDS & ECUADOR

May 20, 2014—12 days

- From Quito-Mindo Rainforest, Market, Old City-day tours
- Islands-7 days-(5 on expedition vessel + 2 at eco-lodge)
- AIR –from Toronto and most meals
- Domestic flight to Galapagos in (value \$ 500)
- Galapagos National Park fee in (value \$100.)
- Services of naturalist guides

\$6595. (taxes in)- Twin Accommodations

Scott@Worldwide.on.ca 295 Weber N., Waterloo

Tel. 519- 886- 7700 Tico-50016255

Tour Escort- Janice Bock-traveljb@hotmail.com



By Fraser Gibson

Ontario Nature-Great Lakes West-Fall Regional Meeting

The Saugeen Field Naturalists will host our next Regional Meeting on Saturday November 2, from 10:00 am to approximately 4:00 pm in Formosa. This semi-annual gathering offers interesting discussions, informative speakers and great networking opportunities. Plan to attend and learn a little more about Ontario Nature's Regional structure, hear about the activities of other clubs in our region and be updated on Ontario Nature activities. Ontario Nature representatives will make a presentation on their Nature Reserves program and on their Massasauga Rattlesnake project. I welcome members to attend this meeting with me. For more details about the agenda or if interested in attending, please email me at the address shown in the Heron.

Ontario Nature Takes Government to Court Over ESA Exemptions

Submitted by Caroline Schultz, Ontario Nature
After exhausting all other avenues, Ontario Nature has joined forces with Ecojustice and Wildlands League to take the provincial government to court for unlawfully gutting Ontario's Endangered Species Act (ESA).

This spring, the government approved changes that dramatically weaken protection for Ontario's at-risk species. We believe the changes are unlawful. The Endangered Species Act was intended to protect and recover the province's most imperilled species. Instead the government has exempted a broad suite of industries from the law's requirements to protect species and their habitats and significantly reduced government oversight of harmful activities.

Forestry wins the jackpot with a five-year blanket exemption. A blanket exemption for an industry that affects over 40 million hectares of land in Ontario!

But forestry is not the only industry that gets off the

hook with the new exemptions. Others include mining, pits and quarries, hydro, wind power, subdivision development, road-building and waste management. Across the board, the new regulations protect industries over species, allowing industry to pave, drill, drain and bulldoze crucial habitat with almost zero government oversight.

It leaves industry policing itself. The fox has been left guarding the henhouse. And that, as you can imagine, is a recipe for disaster.

Ontario's gold standard Endangered Species Act has been undone, and we intend to set it right. For the sake of the more than 200 at-risk plant and animal species in Ontario and for everyone who believes that the law should be implemented as it was intended; we're taking the government to court.

To learn more about this important action, contact Caroline Schultz at carolines@ontarionature.org.

Recommended Reading

The Secret Life of Dust by Hannah Holmes

http://www.bookmanager.com/1318225/?STG=1560969546&q=h.tvviewer&using_sb=status&qsb=keyword&so=oh&qs=The+Secret+Life+of+Dust&qs_file=&searchtype=keyword&x=27&y=16

A Sand County Almanac by Aldo Leopold/Tom Algire

http://www.bookmanager.com/1318225/?q=h.tvviewer&using_sb=status&qsb=keyword&so=oh&qs=A+Sand+County+Almanac&qs_file=&searchtype=keyword&x=12&y=17

Flight Behavior by Barbara Kingsolver (Fiction)

http://www.bookmanager.com/1318225/?q=h.tvviewer&using_sb=status&qsb=keyword&so=oh&qs=Flight+Behavior&qs_file=&searchtype=keyword&x=0&y=0

Omnivore's Dilemma – A Natural History of Four Meals by Michael Pollan (Non-Fiction)

<http://www.chapters.indigo.ca/home/search/?keywords=Omnivore%E2%80%99s%20Dilemma%20%E2%80%93%20A%20Natural%20History%20of%20Four%20Meals>

How to Raise Monarch Butterflies by Carol Pasternak

http://www.bookmanager.com/1318225/?q=h.tvviewer&using_sb=status&qsb=keyword&so=oh&qs=How+to+Raise+Monarch+Butterflies&qs_file=&searchtype=keyword&x=17&y=9

The Chipmunk Fall Fair by Tom Jeary (Proceeds to Children's Health Charities)

<http://www.chipmunkfallfair.com>

Birds and Some of their Mysteries

Recap by Michael Frind.

Monday, September 23, 2013

David Lamble, a long-time teacher, naturalist and birdbander with a keen interest in structural and physiological ornithology, gave a penetratingly insightful talk on the unique attributes of our avian friends.

Birds have long been regarded as unintelligent, but their neurological systems are actually superbly adapted for interpreting their surroundings and securing sustenance. We also owe credit to songbirds for having taught us how to sing. And, Weaverbirds inspired us to weave fabrics.

When comparing the brains of amphibians, reptiles, birds, and mammals, the relative location of each key component is similar, but striking differences appear in the sizes of these parts. Amphibians and reptiles have a rather small cerebrum, thus explaining their limited intellectual horsepower. But birds are second only to mammals in cerebral capabilities.

The large avian hyperstriatum endows them with a great ability to learn and remember. The diminutive Chickadee, for example, can easily remember 3500 separate seed-hiding locations. Meanwhile, seed-eating birds which migrate long distances save weight by allowing memory-dedicated neurons to degenerate as they fly south. These neurons regenerate in the spring, as new seed caches are established.

Birds also demonstrate a considerable ability to learn from experience. Ravens, for example, quickly learn how to pull up a morsel of meat that is attached to a string—and they are smart enough to use their feet to clamp the string to the branch while they release their beak and grab the string further down. Corvids are also adept at using diversionary tactics with dogs: several crows make a ruckus in order to attract Fido, while another crow gobbles up the canine meal.

House sparrows have learned to hover in front of the electronic-eye sensors used in automatic doors of supermarkets. Darwin's Finches use cactus spines to pry insects from their burrows. And, in the UK in the 1950s, Great Tits (relatives of our Chickadees) learned to lift the cardboard covers from freshly delivered glass milk bottles. This milk-theft technique was passed on to Starlings and Woodpeckers as

well, and disappeared only when doorstep delivery of milk ended.

Many birds have the ability to mimic sounds from their surroundings. And, some have picked up the not-so-melodious sounds of ringing telephones, fire trucks, wailing babies, car-engine startings, car-alarm wails, security alarms, various chimes, or heavy construction machinery.

Avian species vary in their sense of smell. Turkey Vultures, for example, are fine-tuned to detect ethyl mercaptan, which is produced by rotting flesh. This explains why vultures often do not find carcasses until several days after an animal has died and ripened.

A similarly impressive level of olfactory acuity is found in the Northern Fulmar, a seagull-like bird which uses smell to find its way back to its nest. Blocking the nostril will render the bird unable to return to its nest, and thus its chicks would starve.

Birds are also remarkable with regards to visual acuity. They have proportionally much larger eyes than humans. To accommodate such powerful eyes, the avian eye is fixed in its socket, thus requiring the bird to rotate its entire head in order to change views. The avian retina is also distinct from that of humans: it is twice as thick, and has about 6-8 times as many rod and cone cells. And, the central area (fovea) where images are formed is especially packed with visual receptors: raptors can have up to 1 million such cells per square millimetre, thus five times as many as humans.

Avian eyes are also superbly adapted for distinguishing colour differences, and they can see ultraviolet light as well. The American Kestrel uses this to advantage, as mice dispense droplets of urine as they roam their territory. Mouse urine reflects UV light, and thus is visible as a glow to the Kestrel. Also, ultraviolet-reflective patches are found on numerous birds: these serve to increase attractiveness for mating purposes.

The enormous eyes of the Great Horned Owl are supremely low-light sensitive. These tube-shaped eyes are so powerful that during a total blackout in the Rogers Centre (with roof closed), a single candle in center field would be enough for the owl to be able to see and nail a mouse running around in the furthest-away seating area! Sincere thanks to David Lamble for his penetrating avian insights.

KWFN Field Trip Report
September 28, 2013
By David M. Gascoigne

Reesor Pond, Markham 08:40 – 09:33 am

Of late, there have been reports of both Snow Geese and a Ross'Goose at this location and these were our target birds. Upon arrival we chatted to a local birder who advised that the Ross'Goose had not been seen for a few days, that the Snow Geese had been regulars, but left the pond at the crack of dawn only to return near dusk.

There was much of interest, however. One of the first things to attract our attention was a Canada Goose, very much bloodied around the bill and face, also on the breast. It appeared that it might have been the victim of an attack by a coyote or other such predator, and had managed to escape, albeit seriously injured. Given the condition of the bird we doubted that it could survive.

There was a Great Egret glistening pristinely in the early morning sun, a Great Blue Heron for contrast, and no less than four juvenile Black-crowned Night Herons. There was a great congregation of Killdeer, numbering around fifty by my estimate, and they squabbled and scurried and fed providing great entertainment for us. We saw both Blue and Green-winged Teal and the sun glinting off the speculum of the Green-winged Teal was simply breathtaking.

Waterfowl are beginning to arrive from their northern breeding grounds and we saw both Northern Shoveler and American Wigeon.

The most spectacular exhibition was provided when a Merlin swooped low over the Killdeer, all of which immediately took to the air shrieking. What was most amazing, was that as the Merlin began the process of segregating its quarry from the flock, the Ring-billed Gulls all arose in unison and attacked the Merlin, finally driving it off to a tree on the far shore where it perched. Incredibly a second Merlin cruised by in front of us, but it appeared not to be hunting.

All species at Reesor Pond (not in taxonomic sequence) – Black-crowned Night Heron, Great Blue Heron, Great Egret, Blue-winged Teal, Double-crested Cormorant, Killdeer, Northern Shoveler, American Wigeon, American Black Duck, Canada Goose, Mallard, Green-winged Teal, Merlin, Red-winged Blackbird.

Please visit David's website to read about the remaining locations for this field trip at:

<http://travelswithbirds.blogspot.ca/2013/09/kitchener-waterloo-naturalists-field.html>



Canada Goldenrod By Wayne Buck

I thought the goldenrod blooms were spectacular this August- September. It must have been glorious for the various pollinators that utilize the nectar and pollen from these abundant sources. Although I know there are still people out there that believe goldenrod causes sneezing and allergic reactions, I expect that everyone reading this knows that is a myth, an old wives' tale, akin to toads cause warts or bats get caught in women's hair. The pollen grains of goldenrods are too large and heavy to be carried by the wind and are adapted to be carried by the hairy bodies of the insects seeking the abundant stores of nectar and pollen the golden yellow blossoms contain. The culprit that causes the allergic reaction in some people is usually Ragweed which has tiny pollen grains that are easily carried on the winds.

I became interested in goldenrods 10 or more years ago after attending a KWFN outing arranged by one of my predecessors in the Native Plant Study Group as it was called then. Several of us met near Vienna ON with Professor John Semple of U of Waterloo to learn how to identify some of the many species of asters and goldenrods. Although I can identify a half-dozen species of goldenrod and about the same number of asters, I still find them difficult to ID specifically and have to learn many of the rarer species that we encounter as we hike the Bruce Peninsula.

There are about 30 species of goldenrod in Ontario. Most are in the genus *Solidago* which comes from the Latin *solidus* meaning "whole" and *ago* which means "I make". Together it means "I make whole". This refers to its long history as an herbal remedy as an antioxidant, astringent, diuretic, and antifungal agent. It was used to treat urinary tract and yeast infections, sore throats and diarrhea. It was like having a pharmacy in a field.

Canada Goldenrod is a member of a group of 3 species known as "The Canada Goldenrod Complex" which has 3 members Canada Goldenrod, (*S. canadensis*) Late or Tall Goldenrod (*S. altissima*) and Giant or Tall Goldenrod (*S. gigantia*). All 3 have prominent veins running from near the base towards the tip of the leaf and pyramid-shaped golden-yellow blooms at the top of the stem.

Canada Goldenrod (*S. canadensis*) is frequently seen in old fields, along roadsides or in disturbed sites. It can grow up to 1.5 m in height with 6 to 12 rays of golden-coloured pyramid-shaped blooms during late August through October, providing a valuable food source for the migrating Monarchs, bees, and other pollinators. The lance-shaped leaves are sharply toothed and are arranged alternately along the stem which is usually hairy near the base becoming hairy half way up.

Late or Tall Goldenrod (*S. altissima*) has larger blooms and has hairs all the way up the stem and is often found growing in the same locations as Canada. Canada blooms earlier than the other two. If you see the familiar gall on the stem, Dr. John Semple told us that it is Late Goldenrod (*S. altissima*) since the insect lays its eggs only on that species.

Tall Goldenrod (*A. gigantia*) has completely smooth stems, often with a bluish cast and with a white coating or efflorescence. It can grow to 2.0 m and is sometimes found in higher moisture conditions.

Following is a link to the US Department of Agriculture; Natural Resources Conservation Service and their extensive Plants Database.

Using the top left search box, you can then look up any of the Goldenrods mentioned above.

<http://plants.usda.gov/java/>



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**KWFN is a registered
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Objectives of the KWFN

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.

Advertising Rates for The Heron:

Size	Per issue	Full year (9 issues)
full page	\$200	\$1600
half page	\$100	\$ 800
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