

The Naturalist

THE MONTHLY NEWSLETTER
FROM THE HISTORIC RIVERS CHAPTER
VIRGINIA MASTER NATURALISTS

Virginia
Master
Naturalist



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The President's Message

By Adrienne Frank



Horned Hickory Devil caterpillar found in Adrienne's backyard on a potted Button Bush.

Photo by Adrienne Frank

For this month's President's message, I could not help but write about a recent video shown during a Cohort XIII Basic Training Class. It was full of information and also describes what we can do to enrich our natural environment.

As many of you know, Doug Tallamy has a book and several noteworthy videos. During a recent Cohort XIII class, we watched a YouTube video from a conference held in 2016. The video was rich in examples and the importance of biodiversity, and it provided a rationale for planting natives and restoring natural corridors.

One of the things that fascinated me was his photographs of CATERPILLARS. He showed dozens of photographs of caterpillars, named each and their host plant. He even had one that he called "The Donald" because of its yellow, swept back hair. The diversity of the caterpillars was incredible. Of course, I can't show you his photos, but I do have some photos of caterpillars from our area. People keep sending me great ones!

Dr. Tallamy stated that caterpillars are the primary food source of baby birds, because they are soft and highly nutritious. He observed one mother Bluebird feeding her baby 30 caterpillars in 27 minutes, and at that rate, each baby could be fed up to 9,000 caterpillars before fledging.

Caterpillars are high in carotenoids, which are good antioxidants, stimulate the immunological system, good for color vision, sperm vitality, and more. If you don't have caterpillars, you STARVE the birds.

Caterpillars are incredibly picky eaters; many rely on only one host plant. The Hickory Horned Devil feeds on Hickory, and the Brazilian Skipper only eats Cannas. If you don't have the right PLANTS, you don't have caterpillars.

We need FORAGING HUBS in our yards that include powerful trees such as Oaks, Willows, Cherries, and Pines. Callery (Bradford) Pears and Crepe Myrtle, natives of Southeast Asia, don't support our native pollinators. Tallamy recommends using the Native Plant Finder website to find out which native plants are best in your region. www.nwf.org/nativeplantfinder.

The next time you mow the lawn, think about what trees, shrubs, and perennials can be planted there instead. Think about how you and your neighborhood can support the increasingly endangered pollinators, insects, birds, and other wildlife. Tallamy says, "Raise the Bar"—support pollinators, enhance biodiversity, sequester carbon, clean and manage water, and enrich the soil.

A Plethora of Caterpillars

Top left: Banded Sphinx Moth

Photo by Adrienne Frank.
(found at the Warhill Tract among
the long grass)



Bottom left: Brazilian Skipper on Cana

Photo by Adrienne Frank
(first ever recorded sighting in
Williamsburg area)



Top right: Tobacco Budworm in a purple phase on a Geranium

Photo by Laura Lawrence



Bottom right:

Harris' Three-spotted Moth

Photo by Allen Belden



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A Morning Glory Prominent Moth. Photo by Allen Belden

EXTRA EXTRA

Les Reaches 5,000 Volunteer Hours



*Les measures a vernal pool.
Photo by Hart Haynes*

Nancy Barnhart

What's the Difference between a Frog and a Toad?

As a member of Cohort VI in 2011, I was eager to start participating in Volunteer Project activities as soon as we finished Risk Management. My first activity was at York River State Park collecting acorns under the guidance of Les Lawrence, who I was meeting for the first time. A couple of days later I volunteered to build oyster reef balls at VIMS, and there was Les, who told me I would really love this project, because I could swing a hammer as hard as I could (!). A few days later I helped at Wallerpalooza, an outreach event at Waller Mill Park, and there was Les teaching me about frogs and toads ("what's the difference?"). Soon after I went to New Kent Forestry Center to measure trees, there was Les, then York River State Park Friday Follies, led by Les. You get the idea. Les is the quintessential Master Naturalist. He is involved, helpful, smart, well-informed, encouraging, funny, supportive, humble, and a great friend. It is an honor and a privilege to know and count as a friend and fellow Master Naturalist Les Lawrence as he reaches 5,000 hours of volunteer contributions. Congratulations Les!

Adrienne Frank & Judy Jones

Celebrating Les Lawrence's

Les Lawrence has just achieved a milestone very few Virginia Master Naturalists achieve...5000 volunteer hours of voluntary service. We are so proud of his accomplishment and want to celebrate! With this incredible feat, he has joined several HRC members in the 5000-hour club: Susan Powell, Shirley Devan, and Cheryl Jacobson. There may be others who are close and just need to enter their hours into the Volunteer System.

On Thursday October 4th, Les Lawrence achieved 5000 volunteer hours. We asked Les, what was he doing when he achieved 5000 hours, and he said that he "crossed over while picking up acorns along the Greensprings Trail". He figured that, in recent years, he averaged more than 650 hours per year, but in his earlier years as a MN, he probably averaged 550 per year. He may have made the mark sooner, if he had done a better job of recording all of his hours early on. Les was a part

of Cohort IV, and so he has spent nine years working up to this total.

Here is a short list of volunteer projects to which Les has contributed: At York River State Park weekly Wildlife Mapping, Trail Maintenance, and Camera Trap Wildlife Survey; Wildlife Mapping at Jamestown Island, New Quarter Park, and Greensprings Trail; Butterfly Counts (Williamsburg, Chippokes, and the Dismal Swamp); Spring and Winter Bird Counts; Project Feeder Watch, Bluebirding on two trails; Oyster Restoration, Measuring trees at New Kent Forestry Center, and numerous education activities for children and adults; and more. He also served on our Board of Directors and in Basic Training.

A few of our members wanted to celebrate Les' achievement by writing a few anecdotes. In addition, we have included excerpts from the Chapter the 2017 nomination for VMN Volunteer of the Year.

Congratulations, Les, on 5,000 hours.



Ginny Broome **Les Took Me Under His Wing**

As a new member of Cohort IIIIX, I showed up for Wildlife Mapping and trail Maintenance at York River State Park on October 27, 2014. I didn't really know anyone and I certainly didn't know what I was doing but that day changed everything. Everyone was so welcoming and Les took me under his wing. He has been my mentor and my friend ever since. We have been on countless butterfly counts and field trips and he has always had enormous patience with my less than stellar identification skills. I know that I have had over 500 volunteer hours alongside Les. There is always something to learn and we have a great time. I want to thank Les for letting me tag along and hope to be there when he reaches the 10,000 hour mark. Congratulations Les!

Shan Gill **I Want to Be Like Les**

I don't mean to slight anyone else. But Les is the kind of naturalist I want to be. He seems to know something or sometimes quite a bit, about everything. But he never makes me feel like I don't know anything. For me, the highest compliment that I can think of is to say that someone makes me comfortable. Each time I've been out with Les I've learned something. But that's not really my point.

For some time now my weeks have started out right because of Les. The past few years our society has been turbulent and full of turmoil. But each week on Monday I go out to York River State Park and take a 'walk in the park.' Yes, I may be counting wildlife but I find peace out there with friends. I think it's Les's leadership and presence that has made it possible. Les is the kind of person that when you've been with him the rest of the day goes better. In fact, he makes the rest of the week go better for many of us. The best I can tell he does this by just being a gentleman. Always gentle. Always a man. But always a leader. And always a bringer of peace.

Dean Shostak **He Made Classes Special**

I still remember meeting Les on my first night of training for Cohort IV. We sat together learning and laughing for the entire year. He made each class special with his knowledge and wit. Les and I have become close friends over the years and I can truly say we are so lucky to have him in our chapter. Congratulations on reaching 5,000 hours, Les.

Shirley Devan **Les Lawrence Saves the Day**

"The newsletter article headline read, 'Les Lawrence Saves the Day'. While Les guided 2nd and 3rd graders along the path to their outdoor classroom to learn about mammals, a surprise guest appeared on the trail—a snake! Les calmed the agitated children (a mix of excitement and fright) and once they had taken their seats on the outdoor classroom benches, used the moment to let the children talk about what they had seen. Les held them in awe as he took time to educate them about snakes and helped them identify the type of snake that they had seen, an Eastern Rat

Snake. Don't you know that the snake made an encore appearance on the walk from the outdoor classroom back to the school?!

Les' special skill is sharing knowledge through gentle teaching and lots of enthusiasm and support for each person he meets. For example, once during wildlife mapping, he celebrated with a novice birder who had just identified a Northern Mockingbird, and at the same time, commended a skilled birder on her reptile ID. His patience, kindness, natural curiosity, and love of nature permeates in anything that he does.

Felice Bond **Les Is a Numbers Guy**

Les is a numbers person. He always was. He excelled in math, joined the Air Force after high school, and eventually worked for and retired from the NSA (National Security Agency) as an intelligence analyst. (If you want to know more about that, don't bother to call and ask. He says his phone may be tapped.)

He still loves numbers, and you may have noticed he's a counter of more than just critters.

- Ask him how many volunteer hours he already has now after reaching 5,000.

- Ask him how many blue reflectors there are on the interstate between here and Richmond.
- If you travel with him on a field trip, ask him how many different license plates he's seen. Not only can he tell you the total, he already has them counted and organized by geographic region.
- If you're running low on fuel, call Les. He can tell you the exit number to take for the nearest gas station.

So, it's only fitting that Les loves butterfly counts, bird counts, and bioblitzes. He's a natural fit and a devoted Virginia Master Naturalist. Congratulations, Lester Earl Lawrence. You made it. You're among the best of the best!



Some Truly Wild Wildlife Mapping in New Quarter Park

By Jan Lockwood and Sue Nutell

These two snakes were seen while we were walking Trail #8 in New Quarter Park during our September 30, 2019 Wildlife Mapping session. We approached from the downward slope and at first did not see the Copperhead beyond and largely underneath what we had assumed was a Black Rat Snake on the trail ahead of us. Once we saw that the "black" snake held the unmoving Copperhead firmly in its mouth and knowing that the Eastern Kingsnake is immune to the poison of Virginia's venomous snakes and known to hunt them, we wondered if this was a Kingsnake.

We sent photographs of the two snakes to Tim Christensen, HRC Master Naturalist and Biologist in the Conservation Branch at Fort Eustis and learned that the "black" snake was a Racer. Tim explained that Racers consume other snakes (amongst a good many other prey). He had seen them eating Eastern Gartersnakes and Rough Greensnakes and said that the literature mentions other snake prey, although he wasn't familiar with documentation of Racers consuming Copperheads. Copperheads have been documented consuming other snakes.

Tim asked if we had seen which snake attacked the other, but we had not. Nor do we know the outcome as the Racer did not relax its grip on the Copperhead while we were there. Racers are not constrictors and they are not immune to Copperhead venom. It remains a mystery! but this snake may have been a seasoned warrior. If you look closely at its tail, you will see that it's blunt. The end is missing.



Photo by Rose Ryan

Adventures with a Bear? *Story and photos by Lisa Reagan*



I wanted to share one of our adventures at the New Kent Forestry Center's program this spring. Attached is a photo collage showing a tree with a black bear marking spotted by Laura Woody of the VMN Riverine Chapter who was leading a large group of students, parents and teachers down the Cypress Trail in April. I was herding from the back, keeping stragglers from wandering off and taking photos with my iPhone as I walked. This part is important to know because many times I will look at the photos after I get home.

When I got home that day, I looked at the bear marking on the tree. You can see the sideways teeth marks where the bear gnawed the tree clearly, but in the next photo I thought I saw the back end of a bear (top of collage). It was not there in one photo, and then it was... and in the next photo the bear seems to be walking away (bottom of collage)! What!?

I texted the photos to Laura who was still at the NKFC. "Did I just get a picture of a bear?" I asked her. She called me and said she was going to double back down the trail and look for the bear. What she sent to me a little while later was a video of the marking on the tree showing that, as she moved past the marking, the remains of a long-since fallen over tree's root system emerged. We both laughed at what she called the "spirit bear" photos that fooled us for a minute (and many other people I've shown the photos to since then).

In retrospect, the thought of a bear hanging around while a wild pack of boisterous school children rolled through its territory seemed unlikely. Still, the photos did give us pause!

Cohort XIII News

By Barbara Neis



Cohort 13 is really moving along. An additional member has joined the cohort and we are now up to 20 members. A warm welcome to Will Warner!

We have had 5 classes and our first field trip. On September 29, butterflies were fluttering around the Botanical Gardens as our Cohort had their first field trip. Members were introduced to butterflies by our very own experts, Adrienne Frank and Gary Driscoll. After a morning of introduction to Master Naturalist skills and binocular usage, the cohort was eagerly following the frisky butterflies and using their new skills. It was a very successful day.



On October 2, Jennifer Trevino (our Risk Management expert) presented a lecture on Risk Management. Our Cohort 13 members are now trained on Risk Management. Please welcome these eager Cohort Members as you see them on various Chapter Projects.

Top and middle: Everyone's looking at butterflies. Basic Training CoChair Janet Harper with Cohort XIII members Tory Gussman and Lizzy Green



It went that way! Adrienne Frank leads cohort members Mike Whitfield, Frank Smith, Pat Murphy, Roxanne Machamer and Annie Layton through the garden.

“The best things about being a Master Naturalist are having the opportunity learn so many different things and have such fun while doing it.”

Wildflower of the Month—November 2018

John Clayton Chapter, Virginia Native Plant Society

By Helen Hamilton, John Clayton Chapter, VNPS

COMMON HACKBERRY

Celtis occidentalis

Distinctive warty, cork-like ridges cover the smooth gray to light brown bark of Hackberry.

The form is that of a shrub, with several woody stems growing from the base; the crown is rounded, and the branches spread and droop slightly.

The leaves are long-pointed and alternate on the stems. They have coarse teeth and mostly uneven bases and are rough on the surface, about four inches long. Another species, *C. laevigata*, has subtle differences in the leaves; the Flora of Virginia states that the distinction between the two species "is problematic in Virginia."

In early spring, inconspicuous yellowish-green flowers appear in small clusters, followed by small, orange to purple fruit on stalks at the leaf bases. Flowers bloom in April and May and fruits follow from October through November. Five species of butterflies, including mourning cloak, visit the flowers for nectar and many birds love the sweet, ripened fruits, often called "sugarberries."

Common Hackberry grows in moist soils, usually along streams, and also in forests, meadows and fields. Growing naturally in most counties of Virginia, the range is from Canada south to Virginia and west to Oklahoma. Hackberry is a good landscape choice since it grows rapidly, can resist strong winds, tolerate air pollution, provide erosion control and doesn't require watering.

Hackberry is a member of the *Cannabaceae*, the Hops or Hemp Family, with 11 genera distributed worldwide. Economically important species are *Humulus* (Hops), *Cannabis* (Hemp) and *Celtis* (Hackberry), that can be cut into lumber for furniture and containers.

The common name apparently was derived from "hagberry," meaning "marsh berry," a name used in Scotland for a cherry.

Small galls often produce tiny bumps on the leaves that are harmless to the tree and can be used to help identify the species. Contorted twig clusters called "witches' broom" are often at the ends of branches. Produced by mites and fungi, they do little harm to the tree but can be unsightly. Some gardeners prefer cultivars that are resistant to witches' broom for landscape use.

Native Americans used the hackberry for medicinal purposes as well as for food. The fruits (drupes) are sweet and sugary but with a hard stone that is rich in protein and fats. Survival manuals recommend crushing the entire fruits to a paste, then toasted into a bar.

For more information about native plants visit www.claytonvnps.org.



Hackberry Bark and Berries (*Celtis occidentalis*), Photos by Helen Hamilton

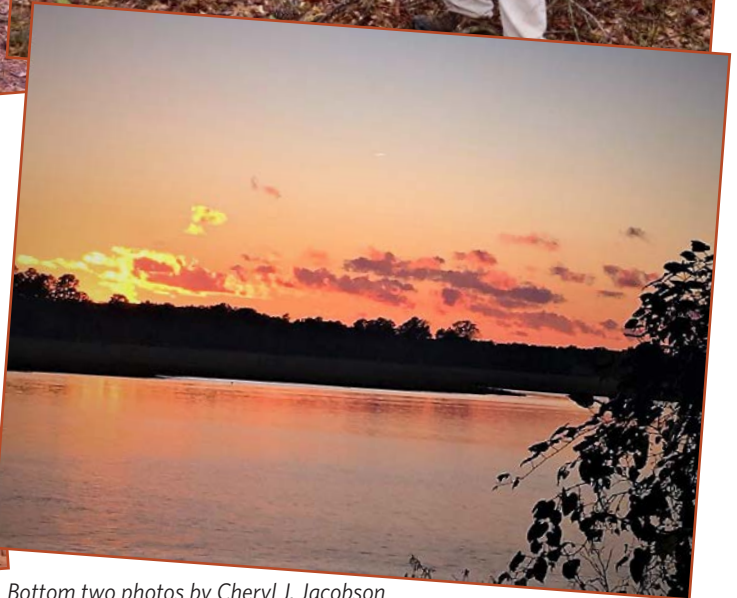
2018 Fall Picnic By Cheryl Jacobson

In spite of morning showers, the picnic was a great success. The early morning bird walk identified 32 birds. Ten people joined the morning nature walk and found many trees, plants, and mushrooms. Quite a few more people joined the early afternoon walk. At 3:00 for the scavenger hunt, we broke into teams based on our Cohorts. Because no one else was there at that time from Cohort VI, Cohort X adopted me. We looked for a list of 15 flora and fauna species on the property and provided evidence of our finds by providing a photo. Example of some of the items were: Mushrooms (a red-capped or one with gills), three species of butterflies, someone who keeps a life list of birds, and evidence of a mammal. Oh, by the way, we won! Our prize was to have our photo in this newsletter. Team members are: Bill Vanzetta, Janet and Bill Harper, and Judy Kinshaw-Ellis.

I especially enjoy hanging out with all my great Master Naturalist friends. We enjoyed Clam Stuffies and were provided recipes (my first time to have this treat and I love them). The day ended with a wonderful sunset!

Participants from the morning plant walk at Ted Sargent's. We were looking up at some of the wetlands species trees along the bank of the marsh. It was raining but we learned a lot and had great fun. From right to left: Adrienne Frank, Gary Driscoll, Jeanette Navia, Keith's cousin, Keith Navia, Scott Hemler, and Ted Sargent

Picnic host Ted Sargent *Top two photos by Shirley Devan*



Bottom two photos by Cheryl J. Jacobson

MASTER NATURALISTS HELP ID AND TAG TREES AT CHICKAHOMINY RIVERFRONT PARK

By Rick Brown

Early in October we received a request from Alister Perkinson to do a project in Chickahominy Riverfront Park. The James City County Department of Parks & Recreation has hired a design firm to regrade and restore the park's eroding riverbank in the tent camping areas. The firm needed an inventory of all of the trees located in the areas where the bank will be re-graded so that they can incorporate them into the overall design, minimize the number of trees removed, and maintain a diversity of species.

Parks & Rec asked if we could mark all trees greater than 12" in diameter, and identify the species of each tree. Using our work the contractor will then load the GPS coordinates of each tree on a working map so they can incorporate the existing trees into their design. Shirley Devan quickly set up a quick stewardship project and the call went out for volunteer Stewards.

After a postponement caused by a storm named "Michael," a team of Master Naturalists from the Historic Rivers Chapter composed of Les Lawrence, Shirley Devan, Karen Grass, Judy Kinshaw-Ellis, Jeanette and Keith Navia, and Rick Brown met early Sunday morning, October 14th and tagged trees writing the binomial names on pink surveyor tape, with the diameter at breast height (DBH) for every tree over 12". The team used loggers' tape measures and Biltmore sticks to determine the measurements. The common native species tagged were: black & sweet gums; red maple; loblolly & Virginia pines; white, black, post, northern & southern red oaks; mockernut & pignut hickories; American hollies, bald cypresses, and one lone persimmon, which although small, was pitied and tagged by Shirley, a true tree hugger, as an act of mercy. The project took about two hours to complete and covered about two acres.

This is just another example of the cooperative, working relationship between the county parks and the Master Naturalists' Chapter, responding to a needed conservation project, to work together to improve lands set aside for public use. It was also fun and educational for those involved.

Master Naturalists helped mark all trees greater than 12 inches in diameter and identify the species of each tree. Photo by Shirley Devan



The History of ‘Squirrel’

THEY'RE NEARLY EVERYWHERE, SO YOU MIGHT AS WELL KNOW WHAT THEIR NAME MEANS

The ubiquitous squirrel, busily rushing about our yards and gardens and parks and cities, has had its English name since the 14th century. The word *squirrel*, notoriously difficult to pronounce for non-native English speakers, is ultimately Greek in origin: it comes from *skiouros*, from *skia*, meaning “shadow,” and *oura*, meaning “tail.” Presumably, the squirrels of long-ago Greece also sat with their bushy tails raised up against their backs and over their heads, casting a bit of shade on their furry brows.

The English word had a number of spellings from the time Chaucer wrote of “squyrelis and bestes smale of gentil kynde” (“squirrels and small animals of gentle nature”). Among them were *squyrelle*, *squirile*, *squirrelle*, and *squerel*. By the seventeenth century the spelling we currently use had become the standard one.

Similarly, the meaning of the word *squirrel* hasn't always been what it is today. For example, Shakespeare used it to refer to a very small dog in *Two Gentlemen of Verona*:

“The other squirrel was stol'n from me ... and then I offered her mine own, who is a dog as big as ten of yours.”

The word *squirrel* had had its literal mammalian meaning for centuries before it developed the verb meaning of “to store up for future use,” as in “squirreling away money,” in the early decades of the 20th century.

Unrelated to the word *squirrel* is a fact about the creature itself that, having learned, we feel we must share: a squirrel's front teeth can grow six inches in a year. It's unclear to us just how the chewing relates—is the squirrel's constant mastication a means to combat dental exuberance? Or is its natural dental vigor an adaptation to address compulsive nibbling? Encyclopedia Britannica [isn't telling](#).



Squirrel. Photo by Cindy Baker

Master Naturalists Out and About



Shan Gill Captures the King Tide. Photo by Joanne Sheffield



Wildlife Mappers at York River State Park, Left to right: Karen Grass, Shan Gill, Tory Gussman, Les Lawrence, Patti Maloney, Cheryl Jacobson, Deane Gordon, Judy Jones, Connie Reitz, Adrienne Frank, and Gary Driscole

Upcoming Continuing Education (CE) Opportunities May 2018

The Continuing Education (CE) calendar is posted on the VMN Volunteer Management System website. When you log in to enter your hours, you can find the link to the CE calendar in the left-hand column under, Event Calendars—Continuing Education. Click an activity on the calendar and open to find a more detailed description (including registration information, contact information, any cost, etc.) of the continuing education activity. Reminder: Travel time is not a part of CE credit/hour(s). Note: Should additional applicable CE event(s) come up during the month the event(s) will be posted on the CE calendar in the VMN Volunteer Management System.

Christopher Wren classes that contain content on the natural environment are accepted as CE training. CW classes require registration and payment (\$\$\$) through the W&M Christopher Wren Association. Typically, there are 3 session and 6 session courses. Applicable courses are listed on the CE Calendar. VLM programs require registration through the VLM. VIMS programs require registration through the VIMS.

If you have a question about the relevance of a topic for Continuing Education or wish to check whether or not you can obtain CE hours, please contact the Continuing Education Chair, Jennifer Trevino, jbktrevino8@cox.net

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|-------------------|---|
| TUE 10/30/2018 | C. Wren Class, "Scientific Discoveries & Their Origins," Smart Hall, Rm 110, 1:30-3:30 pm, Session 2 of 3, \$\$\$ - Register w/C. Wren Association |
| TUE 10/30/2018 | HRC Cohort XIII Basic Training Class, Williamsburg Community Chapel, Room 120, "Ornithology," 6:00-9:00 pm |
| THU 11/01/2018 | C. Wren Class, "Ecology of Tidal Marshes SE VA," 9:30-11:30, Patriot's Colony, Session 2 of 3, \$\$\$ - Register w/C. Wren Association |
| SAT 11/03/2018 | "Walk & Talk" at New Quarter Park; "Nature Journaling," 10:00-12:00 |
| MON 11/05/2018 | C. Wren Class, "Identification of Trees/w Leaves, Twigs, & Fruit, 9:30-11:30 am Session 3 of 3, Wmsbg. Library, \$\$\$ - Register w/C. Wren Association |
| MON 11/05/2018 | CW Tall Trees Tour; Weekly on Mondays, 9:45 am, CW; need Good Neighbor Pass and FREE ticket (Lumber House) |
| MON 11/05/2018 | C. Wren Class, "The Adirondacks-Forever Wild," 1:30-3:30, W&M Wightman Cup Room, Session 3 of 3, \$\$\$ - Register w/C. Wren Association |
| TUE 11/06/2018 C. | Wren Class, "Scientific Discoveries & Their Origins," Smart Hall, Rm 110, 1:30-3:30, Session 3 of 3, \$\$\$ - Register w/C. Wren Association |
| THU 11/08/2018 | C. Wren Class, "Ecology of Tidal Marshes SE VA," 9:30-11:30, Patriot's Colony, Session 3 of 3, \$\$\$ - Register w/C. Wren Association |
| THU 11/08/2018 | CoCoRaHS Webinar, "National Weather Service; Building a Weather Ready Nation," 1:00 pm, CoCoRaHS Website |
| SAT 11/10/2018 | Williamsburg Bird Club Bird Walk at Powhatan Creek Trail, 8:00-10:00 am |
| SAT 11/10/2018 | John Clayton Chpt-VNPS, Fall Colors Plant Walk at White Oak Trail, Newport News Park, 10:00-11:30 am |
| MON 11/12/2018 | CW Tall Trees Tour; Weekly on Mondays, 9:45 am, CW; need Good Neighbor Pass and FREE ticket (Lumber House) |
| TUE 11/13/2018 | VMN Webinar: "Mason Bee Project Results," 12:00-1:00 pm, VMN Website |
| WED 11/14/2018 | Joint Meeting HRC VMN & Williamsburg Bird Club, 7:00-9:00 pm, W&M Integrated Science Center, Rm 1127 |

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|----------------|--|
| WED 11/14/2018 | Friends of Dragon Run, Annual Meeting, 7:00 pm, Gloucester Library |
| THU 11/15/2018 | HRC Field Trip to New Kent Forestry Center, 10:00 am-12:00 pm |
| SAT 11/17/2018 | WBotGarden, "Bulbs as Companion Plants," 10:00-11:30, Freedom Park Interpretive Center |
| MON 11/19/2018 | CW Tall Trees Tour, Weekly on Mondays, 9:45 am, CW, need Good Neighbor Pass and FREE ticket (Lumber House) |
| SAT 11/24/2018 | Williamsburg Bird Club Bird Walk at New Quarter Park, 8:00-10:00 am |
| TUE 11/27/2018 | HRC Cohort XIII Basic Training Class, 6:00-9:00 pm, Williamsburg Community Chapel, Room 120, "Plant Biology" |
| TUE 11/27/2018 | VMN Webinar: "Diversity & Inclusion," 12:00-1:00 pm, VMN Website |



Chick sure wants something from Mama Blue! Photo by Inge Curtis

HRC Volunteer Service Opportunities

| DATE | START | PROJECT CODE AND NAME | CONTACT | EMAIL | NOTES |
|---------------------|----------|---|---|---------------------------|--------------------------------------|
| Tuesday, 10/30/18 | 9AM | C1b -- Wildlife Mapping - New Quarter Park | Jan Lockwood | nzedr@msn.com | meet at Office Parking Lot |
| Wednesday, 10/30/18 | 9:00 AM | S2c - US Fish&Wildlife Refuge - James R NWR treat invasive pr | Cyrus Brame, US Fish & Wildlife | cyrus_brame@fws.gov | must let C. Brame know you're coming |
| Thursday, 11/1/30 | 8:30 AM | C1b -- Wildlife Mapping - Greensprings Interpretive Trail | Hart Haynes | olimar97@hotmail.com | |
| Friday, 11/2/18 | 9:00 AM | S1e -- Work in Williamsburg Botanical Garden every Friday | Adrienne Frank | adrienne-gary@cox.net | |
| Monday, 11/5/18 | 9:00 AM | C1b -- Wildlife Mapping-York River State Park | Adrienne Frank | adrienne-gary@cox.net | |
| Tuesday, 11/6/18 | 8:00 AM | C1b -- Wildlife Mapping at New Quarter Park | Jan Lockwood | nzedr@msn.com | Meet at Entrance Gate |
| Wednesday, 11/7/18 | 8:45 AM | C1b -- Wildlife Mapping - Jamestown Island | Nancy Barnhart | barnhartnt@gmail.com | |
| Thursday, 11/8/18 | 8:30 AM | C1b -- Wildlife Mapping - Greensprings Interpretive Trail | Hart Haynes | olimar97@hotmail.com | |
| Friday, 11/9/18 | 9:00 AM | S1e -- Work in Williamsburg Botanical Garden every Friday | Adrienne Frank | adrienne-gary@cox.net | |
| Friday, 11/9/18 | 10:00 AM | S2a5 -- Artifact Wash and Talk | Sara Lewis | Sara.Lewis@yorkcounty.gov | |
| Saturday, 11/10/18 | 8:00 AM | C2k -- Project FeederWatch -- must sign up in advance | https://feeder-watch.org | | |
| Monday, 11/12/18 | 9:00 AM | C1b -- Wildlife Mapping-York River State Park | Adrienne Frank | adrienne-gary@cox.net | |
| Wednesday, 11/14/18 | 9:00 AM | S2c -- US Fish & Wildlife Service - Presquile NWR-Winter Prep | Ckyrus Brame, US Fish & Wildlife | cyrus_brame@fws.gov | must let C. Brame know you're coming |
| Wednesday, 11/14/18 | 10:00 AM | S2f - Adopt-a-Park Powhatan Creek Park & Blueway | Connie Reitz | CONNIER27@COX.NET | |
| Thursday, 11/15/18 | 8:30 AM | C1b -- Wildlife Mapping - Greensprings Interpretive Trail | Hart Haynes | olimar97@hotmail.com | |

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| Friday, 11/16/18 | 9:00 AM | S1e -- Work in Williamsburg Botanical Garden every Friday | Adrienne Frank | adrienne-gary@cox.net | |
| Friday, 11/16/18 | 9:00 AM | S1e -- Work in Williamsburg Botanical Garden every Friday | Adrienne Frank | adrienne-gary@cox.net | |
| Sunday, 11/18/18 | 8:00 AM | C1b -- Wildlife Mapping at New Quarter Park | Jan Lockwood | nzedr@msn.com | Meet at Office Parking Lot |
| Monday, 11/19/18 | 9:00 AM | C1b -- Wildlife Mapping - York River State Park | Adrienne Frank | adrienne-gary@cox.net | |
| Thursday, November 22, 2018 | 8:30 AM | C1b -- Wildlife Mapping - Greensprings Interpretive Trail | Hart Haynes | olimar97@hotmail.com | |
| Friday, 11/23/18 | 9:00 AM | S1e -- Work in Williamsburg Botanical Garden every Friday | Adrienne Frank | adrienne-gary@cox.net | |
| Sunday, 11/25/18 | 9:00 AM | C1b -- Wildlife Mapping - Yorktown Battlefield | Jeff Honig | aberlour@cox.net | |
| Monday, 11/26/18 | 9:00 AM | C1b -- Wildlife Mapping - York River State Park | Adrienne Frank | adrienne-gary@cox.net | Meet at Entrance Gate |
| Tuesday, November 27, 2018 | 8:00 AM | C1b -- Wildlife Mapping at New Quarter Park | Jan Lockwood | nzedr@msn.com | |
| Thursday, November 29, 2018 | 8:30 AM | C1b -- Wildlife Mapping - Greensprings Interpretive Trail | Hart Haynes | olimar97@hotmail.com | |
| Friday, 11/29/18 | 9:00 AM | S1e -- Work in Williamsburg Botanical Garden every Friday | Adrienne Frank | adrienne-gary@cox.net | |
| Friday, 11/30/18 | 9:00 AM | S3d -- Shell Washing - Oyster Restoration Project | SaraLewis | Sara.Lewis@yorkcounty.gov | |
| Sunday, 12/2/18 | 8:00 AM | C1b -- Wildlife Mapping at New Quarter Park | Jan Lockwood | nzedr@msn.com | Meet at Office Parking Lot |