

President's Message . . .

As Toni O'Neil wrote to our members in the WRNC Spring '22 Newsletter, "Now is the beginning of the 'new normal,' and we must face it, deal with it, accept it and move on." That is exactly what I plan to do while working for all the rehabbers in North Carolina. I am pleased to serve you as the '22-23 President. We felt like we were moving on during our 2022 Symposium in March. We saw many old friends and made new ones. We shared classes, meals, and a lot of laughs. During the Symposium, the Board of Directors received many wonderful compliments, and we thank you for your comments. We also received suggestions to make the 2023 Symposium even better. My



goal for WRNC this term is to remain transparent and open to shared comments, as we are all working toward the same purpose: nurture and raise the best wildlife we can to release with the highest chance of survival in the wild. I am here for each of you and hope to hear from you if something is on your mind. Being a rehabber in NC, either as a home-based, working in a wildlife center or an educational facility, means several things. We want to have accurate knowledge and experience for the animals. We need all the information available to get a license and then care for each animal appropriately when we begin. It also means that we are staying on top of new knowledge in the field—these range from techniques, diets, medical issues, and how to take care of ourselves. For new rehabbers, this process took a right turn when in 2020, the NC Wildlife Commission instituted a change in how a person can become a licensed rehabber and introduced the NC apprentice license. In the big picture, this was a significant improvement, in my opinion. Their ideas were that individuals would not be allowed to rehab without gaining a minimum of one year's experience under a mentor who has been rehabbing for three years. However, it appears to me that we might have missing pieces. During my 2022 term, myself and a few other rehabbers, plan to try to identify those pieces. We started the process by delivering a well-attended class on the topic of mentoring at the 2022 Symposium, and we received excellent ideas from the participants during our class. We also plan to work closely with the NC Wildlife Resources Commission. You will hear more about filling in the missing pieces during the year. Yes, Toni, you are right when you say to 'move forward.' Thank you for all your wisdom and guidance during the past couple of years. I plan to continue to move forward, and I hope all of you move on with me.



Cindy Bailey



WRNC Board Members

Cindy Bailey –
President

Linda Bergman-Althouse –
Vice President

L. Michele Poe –
Secretary

Carla Johnson –
Treasurer

Jean Chamberlain

Rebekah Kriston

Toni O'Neil

Kathy Pedrick

Ann Rogers

Mary Ellen Rogers

Linda Veraldi

Tonya Weil

Hall of Fame Inductees:
Mary & Ed Weiss

Vet Student Liaisons:
Bayli Wellman
Holly Amato

NSCU Symposium Advisor:
Greg Lewbart, DVM

2022 Symp. After Glow!	p. 2	Wheels Are Turning, Opossums	p. 11	Training Opportunities	p. 17
Symposium Raffle a Hit!	p. 3	Meet The WRNC BOD	p. 12	Wildlife Rescue Story	p. 17
CSTowers of Sherwood	p. 5	Eagle Saved, Deep Point Marina	p. 13	Your Place Ermine? -Weasels	p. 18
CWD Update	p. 7	The Bookshelf	p. 14	WRNC Membership	p. 20
Passing the Torch	p. 10	Checking in, Appalachian WR	p. 15	Quinto's Comedy Corner	p. 21

“IN PERSON” 2022 WRNC SYMPOSIUM AFTER GLOW! by Jean Chamberlain



Symposium Photos by Linda Bergman-Althouse

WE DID IT! We held our annual symposium “in person” at the vet school in Raleigh, NC, March 19-20 (postponed from January), and it was GREAT! The overwhelming positive participant critiques and evaluations said so! It was our 20th symposium, which is definitely a milestone, and although coming off the cusp of COVID, close to 200 people attended. Despite the postponement, we were able to hold all the labs planned, the fun-filled raffle, a very tasty banquet and over 40 enlightening and stimulating lectures. There was a full schedule of classes for beginners as well as 14 hours of RVS training. It was a tightly packed schedule. We brought in new speakers from out-of-state. Dr. Rebecca Duerr, who came in from California, taught Critical Care Nutrition, Avian Anatomy, and facilitated the Avian Necropsy Lab. Dr. Kerri Bailey, from Virginia, taught Herpetofauna Zoonoses and Emerging Reptile & Amphibian Diseases. Lisa Barlow, also from VA, taught Rehabilitation of Foxes and Striped Skunks. Barbara Ray and Tracy Keller journeyed from Ohio to teach raccoons and bobcats rehabilitation, and Dr. Ernesto Dominguez returned from VA for Symposium 2022 and was a hit as usual, teaching Wound Management and Critical and Intensive Care. There were more than 30 speakers covering more than 50 topics. Some new topics included the Avian Influenza (which we are grateful to Dr. Joni Shimp for agreeing to add this much needed and vitally important session), Making of a Mentor, Compassion Fatigue and Wildlife Programs for Children. Suzie Gibert, from NY, gave an exciting and quite enjoyable keynote address at the University Club during our banquet. She relayed many incidents from her experience as a wildlife rehabilitator and author that we could all relate to and in many cases, laugh about. We are already working on Symposium 2023 and plan to return to holding the symposium in our usual month of January next year. See you then!

2022 SYMPOSIUM RAFFLE WAS A HIT!

by Kathy Pedrick, WRNC Raffle Coordinator

The 2022 Symposium raffle was a notable success! With the substantial amount of donations made by so many benefactors, we were able to raise a great deal of funds to help support our rehab platform which includes cage grants, scholarships, chimney swift tower grants, and training. On top of all that, lots of happy people went home with raffle items they really, really wanted! There were so many unique and useful donations made such as hand-crafted bat houses, quilts, bottles, formula, baby blankets, hammocks, artwork, squirrel houses, wildlife resource & training manuals and so much more. These generous donations mean so much to all of us as wildlife rehabilitators and are the driving factor in helping continue education for the care of injured/orphaned wildlife. Becoming a rehabber takes passion, dedication,



patience, demanding work, and cadence. Every bottle, formula, nipple, medication, and cage usually comes out of our own pockets, therefore donations that we turn into a mega-fun and generous raffle mean everything to wildlife rehabilitators at centers and shelters or who are independents across our state. All attendees at the symposium have an opportunity to purchase raffle tickets; 1 for \$1, 6 for \$5, 13 for \$10, and 28 for \$20, which is our biggest seller. They place their tickets in bins that match the item number being raffled. If you really, really want that item, you might even place all your tickets in that one bin! The raffle is always a nail-biter and so exciting to see who walks away with that raffle item that everybody wanted! We had an incredible turnout this year, but we want to have an even greater turnout in 2023. We are starting early to collect donations now,



because we are always shooting for "the best raffle yet." If you would like to donate by putting a basket together, a few



things that would help all rehabbers would be baby bottles, cage water bottles, blankets, stuffed animals, formulas or gift certificates for formula, cat food, dog food, cheerios, litter, litter boxes, cages, cat carriers, heating pads, bird boxes, bat boxes, birdcages, syringes, nipples, fabrics, canned goods, scales, bowls, storage bins (any sizes), potty pads, baby wipes, plastic, tweezers, q-tips, cotton balls, scissors, paper towels, paper plates, sweatshirts, leather gloves, rubber gloves, and cleaning supplies. We have big shoes to fill this next year. Toni O'Neil has been running the show for many years with Kathy Lillard as her #1, and we



appreciate all the time and effort they have put into this event. We hope to be as successful as they have been in the

years to come! All contributions are greatly appreciated. Thank you all, and we look forward to another fantastic year at the 2023 Wildlife Rehabilitators of North Carolina (WRNC) Symposium. If any donor did not receive their "Tax Donation Letter" please call Kathy Pedrick @704-400-1569.

A Great Big "THANK YOU" to our Raffle Donors!

Blended & Beautiful Boutique	Mandi Ray
Jean Chamberlain	Stand for Animals
Carol Kaiser, Wildlife Rehab, Inc.	Backyard Birds
Linda Veraldi	Deborah Roy
Paige Person	Mike's Falconry
The Lillard Family	Rodent Pro
John Althouse	Linda Bergman-Althouse
Melisse Hopping	Friends of WNC
Chris's Squirrels	Down Under Deck Drain Systems
The Nature's Way	Jim Craig
Squirrel Store	Kevin Geraghty
The Butterfrog	West Game Mealworms
Pat Stevens	Alice Sanders
Exotic Nutrition	Wands for Wildlife
Valley Wildlife	David Johnston
Emeraid of Lafeber	Grandfather Mountain
Linda Ostrand	Bennett & Sally Rogers
Humane Society of the United States	

The efforts of one person can't move mountains. It's the strength of us all working together that makes a positive change for our wildlife!

THANK YOU ALL for leaving your mark on this world by giving generous donations that help make the positive changes happen!



(Raffle Photos by Linda Bergman-Althouse)

The Chimney Swift Towers of Sherwood Forest!

by Carol McCullough, President of Sherwood Forest Friends

January 2022 started off very well for Sherwood Forest Friends! I received a phone call from Linda Bergman-Althouse, the Chimney Swift Tower Grant Coordinator with Wildlife Rehabilitators of North Carolina, Inc. (WRNC), announcing my selection for a \$500 Chimney Swift Tower Grant I applied for last fall. Funds are designed to help with the costs of building chimney swift towers throughout North Carolina. We also received a book about swifts and information on how to maximize our impact in support of these birds. Thanks to the all the people who enthusiastically dug, cemented, measured (twice), cut (once), hammered, roofed, and scaled heights to create another roosting and nesting site for Sherwood Forest. Winkie Clark and Deb Rosengrant led the charge. Volunteers Pat Fearheiley, Kathy Courtney, Peter Anderson, Tommy Duggar, Jon Taylor, Jeff Figiel, Tom Oosting, Celia Liming, Bill Thomas, and Brian Lautenschlager helped make the tower a reality. If I left anyone out, I apologize! Since our selection, we have completed our chimney swift tower construction and held a dedication ceremony on 25 February at the Robin Hood Barn Picnic Area, and we invited the entire Forest! A poem, "Swifts on the Wing" written by Anne Harding Woodworth was recited by Cathy Reimer during the dedication. The new chimney swift tower has been erected next to the one constructed in 2011 on Greenwood Lane across from the barn, which was also monetarily assisted by the state wildlife organization, WRNC. That makes four towers we have built for alternate habitat in support of Chimney Swifts who reside in and migrate back to Sherwood Forest in Brevard, North Carolina. Ten years ago, residents of Sherwood Forest built a chimney swift tower in an open area, and it now houses a swift family. Our current build to accommodate more swifts is in the vicinity of the first tower, and we have added an informational kiosk to educate visitors. Our committee of volunteers worked hard to construct this new tower and will maintain it, just as they have maintained the original tower. Our conservation organization at Sherwood Forest is so committed to Chimney Swifts, birds so vital to our environment, that we have even spoken with the Kyles from Austin Texas, authors of "Chimney Swift Towers, New Habitat for America's Mysterious Birds," because we modified the tower opening (sun collar) on our first tower and it worked so well that we wanted to tell them about it. Thank you for your help, WRNC. This was a fun and wonderful project. Our residents at Sherwood Forest are already asking about the construction of another tower!



Deb Rosengrant and Winkie Clark (3rd & 4th from right) led efforts to construct another home for Chimney Swifts in Sherwood Forest. (Photos submitted by Carol McCullough)

Volunteers Pat Fearheiley, Kathy Courtney, Peter Anderson, Tommy Duggar, Jon Taylor, Jeff Figiel, Tom Oosting, Celia Liming, Bill Thomas, and Brian Lautenschlager helped make the tower a reality. If I left anyone out, I apologize! Since our selection, we have completed our chimney swift tower construction and held a dedication ceremony on 25 February at the Robin Hood Barn Picnic Area, and we invited the entire Forest! A poem, "Swifts on the Wing" written by Anne Harding Woodworth was recited by Cathy Reimer during the dedication. The new chimney swift tower has been erected next to the one constructed in 2011 on Greenwood Lane across from the barn, which was also monetarily assisted by the state wildlife organization, WRNC. That makes four towers we have built for alternate habitat in support of Chimney Swifts who reside in and migrate back to Sherwood Forest in Brevard, North Carolina. Ten years ago, residents of Sherwood Forest built a chimney swift tower in an open area, and it now houses a swift family. Our current build to accommodate more swifts is in the vicinity of the first tower, and we have added an informational kiosk to educate visitors. Our committee of volunteers worked hard to construct this new tower and will maintain it, just as they have maintained the original tower. Our conservation organization at Sherwood Forest is so committed to Chimney Swifts, birds so vital to our environment, that we have even spoken with the Kyles from Austin Texas, authors of "Chimney Swift Towers, New Habitat for America's Mysterious Birds," because we modified the tower opening (sun collar) on our first tower and it worked so well that we wanted to tell them about it. Thank you for your help, WRNC. This was a fun and wonderful project. Our residents at Sherwood Forest are already asking about the construction of another tower!

Our conservation organization at Sherwood Forest is so committed to Chimney Swifts, birds so vital to our environment, that we have even spoken with the Kyles from Austin Texas, authors of "Chimney Swift Towers, New Habitat for America's Mysterious Birds," because we modified the tower opening (sun collar) on our first tower and it worked so well that we wanted to tell them about it. Thank you for your help, WRNC. This was a fun and wonderful project. Our residents at Sherwood Forest are already asking about the construction of another tower!



The Chimney Swift Towers of Sherwood Forest!

(cont.) by Carol McCullough, President of Sherwood Forest Friends

Swifts on the Wing . . . Anne Harding Woodworth

*for the dedication of a chimney swift tower at
Sherwood Forest, February 25, 2022*

Come, gentle chimney swifts.
Come join us. Soar through the air
to us in the forest where we are only guests.
This tower is yours.

Though you've lost the hollow trees
you once called home and chimneys are capped,
you are not homeless.
This tower is yours.

The trees, the mountains, the lakes,
the very air of this forest are for you,
your mates, and your hatchlings.

In this air with your acute vision, you will find
what you need among the insects—mosquitos,
aphids, houseflies, wasps, and bees.

You will sip the lake water here
with your black beak. You will skim the water
with your dark breast when you bathe.

And, aerialist, you will shake yourself dry,
even as you fly, because almost everything you do
is accomplished airborne.

Come, gentle swifts on the wing. Fly to us
here in the forest. We await your arrival
with excitement. We await your arrival with love.
This tower is yours.

TO APPLY FOR A WRNC CHIMNEY SWIFT TOWER GRANT:

<https://ncwildliferehab.org/chimney-swift-tower-grant/>

Check out the eligibility requirements and access an application. As a member of an environmentally active group, an individual environment enthusiast, a WRNC member or nonmember, this is an opportunity to build and maintain a **chimney swift tower** in your area to entice Chimney Swifts, acrobatic insectivores who vacuum the sky of annoying insects at dawn and dusk, to return to your community each year. WRNC offers up to **three \$500 grants** annually to assist you or your group in the undertaking of this valuable conservation project. Applications are **due by November 1st**, annually. **SUBMIT APPLICATION** to Linda Bergman-Althouse, WRNC BD Mbr & CST Grant Chair, 130 Aldersgate Rd, Jacksonville, NC 28546 or lbergmanx@gmail.com.



The newest chimney swift tower, constructed by Sherwood Forest Friends, is pictured in the foreground and their original tower, also monetarily assisted by WRNC, is in the background.



Chronic Wasting Disease (CWD) Detected in NC

(UPDATE) by L. Michele Poe, Wildlife Rehab, Inc. and Falyn Owens, WRC Biologist

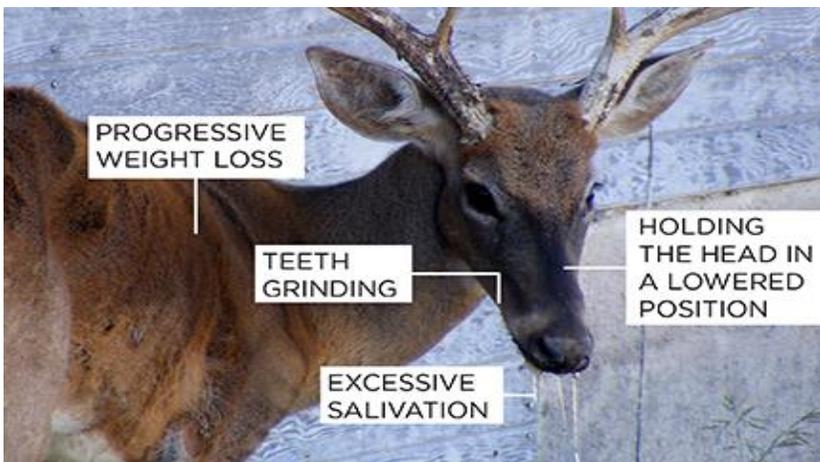
Chronic Wasting Disease (CWD) is a contagious neurological disease specific to species within the deer (Cervidae) family, including white-tailed deer, mule deer, Rocky Mountain elk, moose, and others. CWD is caused by abnormal proteins, called prions, that slowly spread and accumulate throughout a deer's nervous system, eventually causing spongy holes in the brain. CWD is related to Mad Cow Disease (MCD) in cattle and Creutzfeldt-Jakob Disease (CJD) in humans, all of which involve degenerative brain tissue resulting in emaciation, abnormal behaviors, loss of bodily functions, and ultimately death. CWD prions spread between deer through direct contact and environmental contamination from infected saliva, urine, and feces of live deer or carcasses and body parts. This, combined with the fact that



CWD prions can only be reliably destroyed by prolonged exposure (several hours) to extreme heat (900°F and above) and can remain infectious for decades in the environment make *decontamination unrealistic*. Notably, because prions are proteins (the basic building blocks of life) rather than organisms, they are not alive, so they cannot be killed. Reliable detection of CWD requires laboratory testing of the lymph nodes found in an animal's head and neck; there is no reliable or recommended CWD test for live deer. CWD-infected deer can appear healthy for eighteen months or longer before they begin to show notable symptoms and can actively shed prions into the environment and spread CWD to other deer during this entire period. When a pregnant doe has CWD, her fawn can contract the disease in utero; signs of illness in the fawn will not be apparent for sixteen months or more after birth. The slow incubation period, ease of transmission, and the fact that there is no vaccine, treatment, or cure make CWD a looming threat to the long-term health and wellbeing of North Carolina's white-tailed deer.

Detection. CWD was first observed in the 1960s at a research facility in Colorado and was later detected in a free-ranging elk in Colorado in 1981. While CWD poses a serious threat to deer and other cervids, there have been *no reported cases of CWD infection in humans*. However, the US Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO) have precautionary recommendations for handling carcasses, venison preparation, and consumption in areas where CWD occurs. Their official recommendation is not to consume deer meat before negative test results are received from the state-used lab. CWD cannot be diagnosed by examining meat, before or after it is harvested. The WRC has been testing hunter-harvested, road-killed, and sick-looking deer for decades in attempts to detect CWD if it entered the state, and recently ramped up its CWD surveillance efforts after several CWD positive deer were detected just over 30 miles from the

border in Virginia. NC's first positive CWD case was announced March 31, 2022, after an asymptomatic buck that was harvested the previous winter in northern Yadkin County tested positive for the disease. Emergency powers were invoked by the Executive Director of the WRC on April 12, 2022, to activate a localized Response Plan to aid assessment of the extent of CWD infection in the local deer herd and to prevent human-assisted spread of the disease to new areas. Several public hearings to receive comments on the proposed rules have been held in recent weeks that enabled



Several public hearings to receive comments on the proposed rules have been held in recent weeks that enabled

border in Virginia. NC's first positive CWD case was announced March 31, 2022, after an asymptomatic buck that was harvested the previous winter in northern Yadkin County tested positive for the disease. Emergency powers were invoked by the Executive Director of the WRC on April 12, 2022, to activate a localized Response Plan to aid assessment of the extent of CWD infection in the local deer herd and to prevent human-assisted spread of the disease to new areas. Several public hearings to receive comments on the proposed rules have been held in recent weeks that enabled

Chronic Wasting Disease (CWD) Detected in NC

(UPDATE – cont.) by L. Michele Poe, Wildlife Rehab, Inc. and Falyn Owens, WRC Biologist

hunters, taxidermists, meat processors, property owners, and wildlife rehabilitators to provide feedback, ask questions, and participate in the process. Once enacted, the proposed rules will replace the emergency orders.

North Carolina’s CWD Response Plan. The goal of the Response Plan is to minimize the rate of new CWD cases in deer as well as slow its geographic spread to new areas. The white-tailed fawn rehabilitation program is a part of the Response Plan which reads in part, [the immediate] - “suspension and prohibition of rehabilitation of white-tailed deer fawns in the Surveillance Areas.” This order has likely changed the rehabilitation of NC’s white-tailed fawn as we know it.



ncwildlife.org/Portals/0/Hunting/Documents/Deer/CWD-Response-Plan.pdf. Location information from a finder of a fawn needing a rehabilitator’s intervention is always important, but now the *original* location of a found fawn determines what actions a fawn rehabilitator can legally take.

Whenever a positive case is detected, the WRC determines primary and secondary surveillance areas that encompass a 5 and 30-mile radius, respectively, from the location the CWD-positive deer was found. In addition to cessation of fawn rehabilitation, additional restrictions apply within the identified boundaries. Some of these include a prohibition on transporting any live deer or high-risk deer parts out of the surveilled areas and mandatory CWD testing for deer harvested in the surveillance areas during peak deer hunting season. (CWD-related regulations, testing instructions and other info can be found at ncwildlife.org/CWD.) Logically, as more CWD is found, the surveillance areas will enlarge, impacting more of the state. This single positive case restricted eight NC counties--Yadkin, Surry, Stokes, Davie, Forsyth, Alleghany, Wilkes, and Iredell. Many states, [mostly in the mid-west](#), have been struggling with managing infected herds for decades and fortunately NC will benefit from their experiences when developing a management model as we try and save our white-tail deer population.

Fawn Rehabilitator Responsibilities. CWD is a major threat to our cervid herds and is a serious and complicated issue. Fawn rehabbers must rely on official and current information when faced with tough decisions about receiving fawn for rehabilitation purposes as the season gets underway. Original location is everything! Rehabilitators are responsible for staying abreast of CWD’s current status and movement by following WRC’s announcements and interactive maps, educating each other and the public about the problem, and most importantly, following state regulations. The Commission warns us “not to give CWD a ride” by refusing to accept fawns originating (or suspected of originating) in a CWD surveillance area and to refrain from transporting or requesting a fawn be transported from those areas - including to an exotic veterinarian, an “out-of-area” rehabber, etc. As always, seemingly healthy fawns need to be left alone in hopes of reunification, but it is even more important for us to send a loud and clear message about fawn-napping and of the risks now at stake. We must accept the difficult reality that even if a fawn is injured or truly orphaned, we must not risk spreading this disease that could easily cause the premature death of many deer in the future. We must remember that CWD contamination is cumulative and permanent. Once CWD is introduced to a new area, it is there for good. If a fawn is released in an already infected area, they will become infected. For those living or working in a CWD surveillance area, we need to



Chronic Wasting Disease (CWD) Detected in NC

(UPDATE – cont.) by L. Michele Poe, Wildlife Rehab, Inc. and Falyn Owens, WRC Biologist

notify the WRC when we observe a deer carcass so it can be tested for CWD, and also when we know of anyone keeping a fawn illegally. Wildlife Enforcement Officers will give deer/fawn calls high priority and have pledged to help rehabilitators with a timely response, in person and/or by phone. They ask that instead of calling their individual state-assigned cell phone numbers, to use one of the contact numbers at the end of this article, to enable them to respond more quickly. Additionally, they ask that whenever possible, that we obtain a vehicle tag number for anyone out of compliance with a regulation so they can ensure effective and efficient action. The Wildlife Rehabilitators of NC recently (WRNC) formed a CWD Committee to stay abreast of this ever-evolving situation in hopes of helping to provide guidance to rehabilitators and the public. If you are interested in participating in this effort, please email Board Member Michele Poe at mpoe5674@gmail.com.



Important Resources

- www.ncwildlife.org/CWD - Up-to-date information about CWD in NC, including answers to frequently asked questions, regulations, surveillance area maps, research, and more.
- Report wildlife violations such as illegal transport or possession of fawns to wildlife enforcement dispatch at 800-662-7137.
- Report sick-looking deer anywhere in the state, or deer carcasses within the surveillance areas to the NC Wildlife Helpline at 866-318-2401.
- For detailed questions about CWD and fawn rehab restrictions, contact Falyn Owens, Extension Wildlife Biologist, at 919-616-2208 or falyn.owens@ncwildlife.org.
- Michele Poe, WRNC CWD Committee Chair, at 336-414-6290 or mpoe5674@gmail.com

(Photos Public Domain & submitted by L. Michele Poe)

*“Those that teach the most about
humanity aren't always human.”*

Donald L. Hicks

Passing the Torch! compiled by Linda Bergman-Althouse

It is never too early to plant the seeds for conservation of nature and a healthy respect, if not passion, for wildlife! Wildlife Rehabilitators, who have been in the trenches 20 and 30 years, often wonder who they will pass the torch to when retirement time (if there is such a thing!) comes. Who will care as much as we do about providing injured or orphaned wildlife that much deserved second chance at living the life they were intended to live? The answer is every young person we share our stories with are potential candidates. Please meet Andrew Baughman who has proven this to be true! He has stepped up to the lily pad of wildlife rehabilitation on a full-time basis at a very young age and has taken to the arduous and tedious tasks involved when saving wild lives like a duck to water!



“Hello, my name is Andrew Baughman, and I am 16 years old. I volunteer most of my time with Possumwood Acres Wildlife Sanctuary in Hubert, NC. I started volunteering with Possumwood during January of 2021. Since I’ve started, I have been mentored and trained by a wonderful staff. Kelsey Gaylor, Courtney Cole, and Toni O’Neil have taught me everything I know. My duties at Possumwood Acres initially started out with caring for our resident education ambassadors. My favorite ambassador is our Fox Squirrel, Watson. Now, I have been trained on working with rehab patients and caring for orphaned wildlife, too. This includes administering medications and fluids, intake exams, proper diets, splinting, and orphan care. My favorite parts about wildlife rehabilitation are being able to make a positive difference in our ecosystem by combating the negative effects of humans while also being able to educate the public on why North Carolina’s wildlife is so important to conserve. My favorite animals to rehabilitate are seabirds! I love seabirds of all kinds, but cormorants are my favorite. My goal for the future is to specialize in seabird rehabilitation. Once I turn 18, I plan to get my state permit for small mammals, and I want to eventually get my federal permit for birds. I would also like to go to college and become a licensed wildlife veterinarian. I am willing and planning to devote the rest of my life to wildlife rehabilitation as it is something I am extremely passionate about.” ----- Andrew Baughman

(Photos submitted by Andrew & taken by John Althouse)

“Andrew started volunteering when he was 15 and fell in love with wildlife rehabilitation and environmental education. Possumwood Acres became his favorite place to be, and he spent as much time with the animals as he could. Being smart, he took advantage of the online classes and schoolwork options due to COVID and was able to graduate from high school early. He opted to volunteer full time and is learning as much as he can about this field before he starts any college classes. His maturity level is amazing, and he deals so well with other people that nobody believes he is still “just a kid.” Andrew has always had a love for animals, and he attributes that to watching *The Crocodile Hunter* growing up. He definitely found his niche and has helped so many people become involved with saving wildlife. His whole family has been drawn in, and his mother now serves as a transporter. She also got her boss to become interested, and he has joined our board! We could not be prouder of Andrew and all that he has accomplished, and how he has matured and grown - before our eyes! We are lucky to have him with us as part of the Possumwood Team.” --- Toni O’Neil

Passing the Torch! (cont.) compiled by Linda Bergman-Althouse

Andrew Baughman was recently nominated and selected to receive a “Golden Rule Lightkeeper Award” by the Onslow Civic Affairs Committee in Jacksonville, NC during the ‘Fabric of Our Community Awards’ April 20, 2022 celebration. The United Way of Onslow celebrates the profound commitments to service displayed by many of Onslow’s greatest volunteers. The Lightkeeper Awards are for those individuals who stand out in the community and have a deep commitment to helping others through volunteerism. They are the outstanding unsung community heroes. Andrew, who has provided unquestioned contributions to bettering his community, won this award in the youth category.

When we speak about conserving nature, we are really talking about taking care of our future, because nature provides essential resources for our survival and enjoyment, and we must pass this concern to others, everywhere!

Where are the young “Wildlife Warriors” you would like to showcase? Email a picture and short write-up to lbergmanx@gmail.com to include them in our next newsletter!

The Wheels Are Turning For Opossums! *by Linda Veraldi*

Wildlife rehabilitators have learned the importance of providing an opossum a wheel at all stages of rehabilitation. In the wild, opossums will use their energy at night to search for food. They may roam miles in one night in their search.



They sleep all day, so they have lots of energy to burn at night. During rehabilitation, without the need to hunt and search for food, they need other outlets for that extra energy. Offering them ways to climb in their enclosures is a great way for them to build strength and balance. However, offering them an exercise wheel will help them with stamina and speed, which are vitally needed in the wild for hunting and evading predators. Wheels can also help keep boredom at bay. Who knows what level of fun or excitement they are experiencing since they cannot really tell us, but there is nothing better for enrichment than an exercise wheel. Wheels of all sizes can be made or purchased. The larger ones can get a little pricey. Building a big wheel can be a great “Do-It Yourself” project and can be made using things like bike wheels or plastic barrels. Get creative, but also keep it safe! Your opossums will love you for it!!



(Photos submitted by Linda Veraldi)

Meet Your WRNC Board of Directors!

compiled by Linda Bergman-Althouse



Cindy Bailey, Pres.
Oxford, NC



Linda Bergman-Althouse, VP
Jacksonville, NC



L. Michele Poe, Sec.
Mocksville, NC



Carla Johnson, Trea.
Timberlake, NC



Jean Chamberlain
Tobaccoville, NC



Rebekah Kriston
Lumberton, NC



Toni O'Neil
Hubert, NC



Kathy Pedrick
Denver, NC



Ann Rogers
Durham, NC



Mary Ellen Rogers
Oak Island, NC



Linda Veraldi
Raleigh, NC



Tonya Weil
Richlands, NC

The Board of Directors are members of the WRNC who are assigned special responsibilities and authorities (in service to the General WRNC Membership) while managing and directing the affairs of the organization. The Board of Directors consists of not fewer than seven members nor more than fifteen members and shall be residents of the state of North Carolina. They are each elected by WRNC members in good standing and serve a three-year term during each election period and are eligible for re-election. Board members are always looking for general members who would like to bring their fresh ideas, wildlife conservation passion and energy to serve WRNC and your community as a board member. If you are 'THAT PERSON' please contact any board member to get your paperwork started for next year's WRNC election.

Injured Young Eagle Saved at Deep Point Marina

by Lee Hinnant, Staff Writer, The State Port Pilot



Schools, businesses, and people are not the only ones suffering effects from viruses. As the COVID-19 pandemic may be waning, our feathered friends are taking a hit from a different but deadly pathogen, state officials report. Highly Pathogenic Avian Influenza (HPAI) has been confirmed in wild birds and among domestic chicken flocks and is disrupting the food chain and efforts by local wildlife rehabilitators to do their jobs efficiently. A boat owner at Deep Point Marina reported a distressed, wet, shaken bird he thought might be a large hawk on March 26. It was actually a juvenile bald eagle with a hole in its wing, said Mary Ellen Rogers of Sea Biscuit Wildlife Rescue. The bird was in distress, she said. Two volunteers used nets and blankets to gently trap and bring the bird to the shelter, and Rogers and others took the eagle to the River Road veterinarian clinic, where a doctor stitched its wing. The eagle will likely be OK, but because of HPAI Rogers can't take it to a facility designed to fully rehabilitate such a large bird. Officials report HPAI is affecting

chicken farmers and other birds across the state and region. There have been multiple bird deaths, leading to a partial quarantine and it has become a national issue, according to multiple news sources. "It stops us from moving birds," said Rogers. She needs to get the eagle near more mature members of its species to learn hunting and survival skills. Land managers at Orton Plantation and Military Ocean Terminal at Sunny Point are working with Sea Biscuit to acclimate the raptor, Rogers said. Serious risk, be aware. This type of HPAI virus is considered a low risk to people, according to the U.S. Centers for Disease Control, but it can be dangerous to other birds, including commercial and backyard flocks of poultry. Officials at the Wildlife Commission recommend that hunters take extra precautions offered by the USDA to protect themselves:

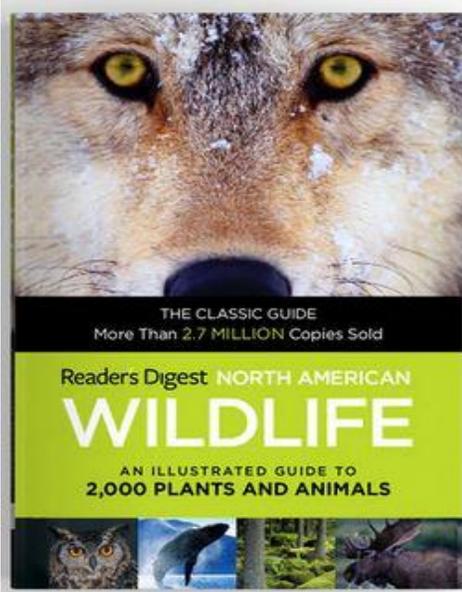
- Do not harvest or handle wild birds that are obviously sick or found dead.
- Wear rubber gloves when handling birds, cleaning game or cleaning bird feeders.
- Do not eat, drink, or smoke while cleaning game.
- Dress your game birds in the field whenever possible. If you must dress your birds at home, clean them in an area separate from your poultry and pet birds.
- Double bag the inedible parts of the bird and feathers. Tie the inner bag and include your rubber gloves and leave them in the outer bag before tying it closed.
- Wash hands with soap and water immediately after handling game or cleaning bird feeders. If soap and water are not available, use alcohol wipes.
- Wash all tools and work surfaces with soap and water. Then, disinfect them.
- Avoid cross-contamination. Keep uncooked game in a separate container, away from cooked or ready-to-eat foods.
- Cook game meat thoroughly; poultry should reach an internal temperature of 165 degrees Fahrenheit to kill disease organisms and parasites.

"If someone comes across a mortality event involving five or more waterbirds or waterfowl, or a mortality event of any size for raptors or avian scavengers, including crows, ravens and gulls, we want to know about them," stated wildlife biologist Joe Fuller. "We are also interested in morbidity events involving any number of those same bird species that are observed with clinical signs consistent with neurological impairment, like swimming in circles, head tilt and lack of coordination." The public is encouraged to direct wild bird reports as described by Fuller to the NC Wildlife Helpline at 866-318-2401, Monday through Friday from 8 a.m. to 5 p.m., or email HWI@ncwildlife.org. For more information on HPAI, visit the NCDA&CS website.

(Reprinted with permission)

The *BOOKSHELF* compiled by Linda Bergman-Althouse

North American Wildlife, a compilation by Reader's Digest



North American Wildlife is a comprehensive and illustrated guide to our country's mammals, fish, insects, birds, amphibians, trees, flowers, even mushrooms — all together in one collection! *North American Wildlife* is the equivalent of an entire shelf of nature guides in just one handy volume. This timeless guide from Reader's Digest is packed with detailed illustrations and carefully worded descriptions of more than 2,000 plants and animals. Whether you are in the deserts of California, the forests of Montana, the wetlands of Mississippi, the suburbs of Maryland, or the rugged beaches of Maine, here are fascinating, revealing descriptions of the plants and animals you will inevitably encounter. Celebrate the joys of America's wildlife with this classic guide.

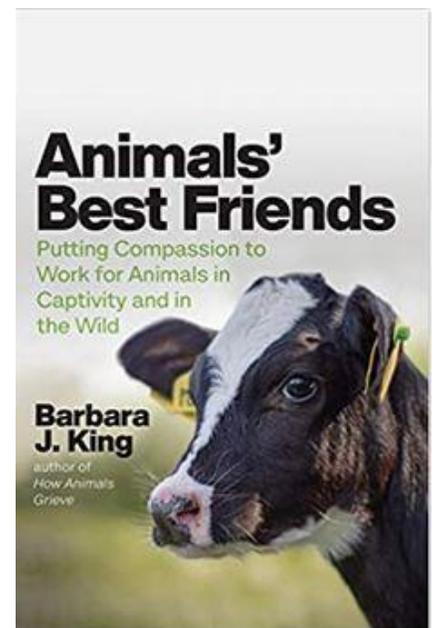
Check out this guide at: <https://bit.ly/3ykn3NW>

Animals' Best Friends by Barbara J. King

As people come to understand more about animals' inner lives—the intricacies of their thoughts and the emotions that are expressed every day by whales and cows, octopuses, and mice, even bees—we feel a growing compassion, a desire to better their lives. But how do we translate this compassion into helping other creatures, both those that are and are not our pets? Bringing together the latest science with heartfelt storytelling, *Animals' Best Friends* reveals the opportunities we have in everyday life to help animals in our homes, in the wild, in zoos, and in science labs, as well as those considered to be food. This is a book not of shaming and limitation, but of uplift and expansion. Throughout this journey, King makes no claims of personal perfection. Though an animal expert, she is just like the rest of us: on a journey still, learning each day how to be better, and do better, for animals. But as *Animals' Best Friends* makes clear, challenging choices can bring deep rewards. By turning compassion into action on behalf of animals, we not only improve animals' lives — we also immeasurably enrich our own.

Check it out at: <https://amzn.to/3kJEsrn>

73% 5-star ratings



HEY THERE! Reading is a **STAYCATION** where you can visit someone else's world for a while or find those like-minded people you can relate to! "**The BOOKSHELF**" is a feature to showcase a few **recommended books** that you may enjoy. If you have a book recommendation, please email lbergmanx@gmail.com with your personal addition to "**The BOOK SHELF.**" Thanks!

“Checking In” with Appalachian Wildlife Refuge

by Savannah Trantham, Executive Director and Co-Founder



Savannah Trantham & Kimberly Brewster

The mountains and wildlife are calling and the team at “Appalachian Wild” is working hard to answer the call. Appalachian Wildlife Refuge was founded in 2014 as the desperate need continued to grow for a place where western North Carolina residents could turn to for help with wildlife. Established as a nonprofit organization, Appalachian Wild coordinates wildlife rehabilitation efforts in Western North Carolina by providing care for injured and orphaned wildlife, supporting the wildlife rehabilitation network, and offering conservation education to the community. What started as a plan to operate as a triage and stabilization facility nestled in the quiet valleys just west of Asheville, quickly became a reality much greater: to meet the growing need of a long-term care facility for injured and orphaned wildlife. Serving all 21 western NC counties and more, Appalachian Wild intakes

more than 2,000 animals annually and fields more than 5,000 calls through our hotline. While licensed to work with almost all native wildlife (excluding fawns and terrestrial RVS), the facility focuses energy and resources on mammals, herptiles, and precocial birds. We work with a variety of species of mammals and herptiles, but frequent flyers include opossums, cottontails, groundhogs, squirrels, chipmunks, bats, weasels and a variety of other small rodents and insectivores, box turtles, snapping turtles, salamanders, frogs & toads, and a plethora of aquatic turtle species, ducks, geese, and the occasional quail, wading bird, and grouse. Appalachian Wild works closely with other facilities across the state and many home-based rehabilitators



and organizations to transfer species for long term or specialized care, specifically species such as songbirds and birds of prey. The long-term vision of Appalachian Wild is to continue to grow and evolve to meet the constantly changing and growing needs of western North Carolina. As more and more people make the mountains home, the more wildlife interactions we see and the more displaced, injured, and orphaned wildlife we admit into care. Ultimately, we envision a large facility that not only provides rehabilitation care for our wild neighbors in need, but also an onsite veterinary clinic, onsite and offsite education, opportunities for research and education working alongside our local colleges and other schools from NC and beyond, and

much more. With continued support from our community, Appalachian Wild has been fortunate to grow our staff team to include 3 full-time staff, 3 part-time staff and annual seasonal positions over the last few years. However, Appalachian

“Checking In” with Appalachian Wildlife Refuge

(cont.) by Savannah Trantham, Executive Director and Co-Founder

Wild is a volunteer-driven organization with more than 150 active volunteers assisting in all aspects of the organization and making all that we do possible. Many of these volunteers assist with remote opportunities such as transport and running our busy hotline; these volunteers are vital in helping get wildlife in need into care or transferred to other specialized facilities. We provide internships year-round to students of all ages and areas of focus. We also help mentor individuals interested in becoming licensed wildlife rehabilitators on their own. Appalachian Wild keeps very busy providing rehabilitation to wildlife in crisis, as well as engaging and educating the public about native wildlife. We continue to grow and expand, and with the support of our Asheville and Appalachian residents, more animals in need can be cared for every successive year. All associated with Appalachian Wildlife Refuge practice the “Four R’s” of wildlife rehabilitation: Rescue, Rehab, Release and Relate! Learn more about us, connect with us, and find information on volunteer & internship opportunities on our website at www.appalachianwild.org.



Natalie, Dr. Sarah Hargrove, DVM & Baby Beaver



(Photos courtesy of Appalachian Wildlife Refuge)

All Independent Rehabilitators & Wildlife Shelters or Centers; you are invited to “CHECK IN” with WRNC and other Wildlife Rehabilitators across NC. “What’s up” in your neck of the state **REHAB WISE!** lbergmanx@gmail.com

Training Opportunities! Never Stop Learning!

IN-PERSON and virtual Wildlife Rehab Classes are always being offered. Continue to check with the sources listed below for upcoming training opportunities throughout the year. Some of the methods of training will still be virtual, on-demand & webinars, but all information and knowledge gained is of value – no matter how it is presented!

- **Wildlife Rehab, Inc.** holds a 12-week course, “Introduction to Wildlife Rehabilitation,” with a weekly virtual class. Check with them to see when their next training course is. wildliferehabinc.org
- **Carolina Raptor Center, Charlotte, NC CRC** offers rehabilitation seminars throughout the year. Contact Mathias Engelmann at 704.875.6521, ext. 108 or at mathiasengelmann@carolinaraptorcenter.org for information.
- **IWRC** offers a variety of “in person” and “online” classes from ‘Basic Wildlife Rehabilitation’ to ‘Zoonoses.’ Check them out at <https://thewrc.org/courses> For more detailed information, you can call 866.871.1869.
- **ANOTHER WAY TO GO:** The **Wildlife Resources Commission**, Raleigh, NC offers a wildlife rehabilitation apprenticeship program to rehabilitate **baby squirrels, opossums, and bunnies** through a mentor (that you find and initiate). Apply at <https://www.ncwildlife.org/Licensing/Other-Licenses-and-Permits/Wildlife-Rehabilitation-License#6629589download-the-license-forms> (compiled by Linda Bergman-Althouse)

Wildlife Rescue Story from the Not So Rich & Famous! by Linda Bergman-Althouse

Wildlife rescues are never dull, but some are more exciting than you really want them to be! Case in point is a call from the Onslow County Courthouse asking me to remove an alligator from the parking lot near Hilda’s Restaurant in Jacksonville. Someone had called the courthouse for assistance; why, you ask? I do not know, but the clerk called me because I had removed a young gator (about three feet long) that showed up on their steps once. On this new call, I asked the clerk if it was a baby, and she said, “sounds like it,” and we got off the phone. So, I headed over to Hilda’s with one of my larger “Outer Banks Wildlife Shelter” heavy duty transport bags, the same size I use for pelicans or eagles. When I arrived at the location of the displaced alligator, quite a few people were standing along the road taking pictures. It appeared the “youngster” had left Hilda’s and was heading back to the waterfront. However, the youngster was not a youngster at all! When I saw him, I knew he would not fit in the bag, but I knew who to call! I summoned the Wildlife Control Officer and the Jacksonville Police



Department who I have worked with on wildlife rescues before. So, I knew, they would not let anything bad happen to the big guy, if they could help it. I stayed out of the way and kept the people from getting any closer. It is surprising how many people want to take a selfie with an alligator behind them! Also, I stayed back because I knew I would be no help wrestling this thirteen-foot gator into the back of the Wildlife Officer’s transport truck. It was a bit of a struggle

for all the guys wrangling him, but six humans managed to restrain the gator and load him into the bed of the pick-up without injury to the gator or themselves. Notice the police officer lying on top of him. He is literally holding the alligator’s leg behind his back like he’s a common criminal. Hey, the big guy was just out for the day enjoying the sights! The handsome reptile was transported to a gator friendly location. As I said, wildlife rescues are never dull!

(Photos by John Althouse)

“Your Place Ermine?”

as written for ‘Carolina Salt Magazine’ by Linda Bergman-Althouse

Cute as buttons is the best way to describe the smallest North American carnivores, the Least and Short-tailed Weasels. Weasels belong to the animal family biologists call Mustelidae, which translates to “mouse stealers” and includes 64 species worldwide. So, you will find skunks, minks, badgers, the powerful wolverine, martens, black footed ferrets and the largest of the lot, the sea otter, in this group. Short-tailed Weasels, also called Ermine, look very similar to the Long-tailed Weasel, except for the variation in size. Short-tailed Weasels are only half the body length of a Long-tailed and, of course, the tail is much shorter, although their tails share the same characteristic black tip. Weasels do not like to be seen, so in our rehabilitation world at the Outer Banks Wildlife Shelter in Newport, we understand they want to hide and are extremely effective escape artists. That means securing their enclosures beyond their advanced problem-solving skills is a must. Our last Short-tailed Weasel admit came in as an infant found abandoned in a North Carolina “Hill” town, Snow or Pink, but do not recall off hand. What a cutie-patootie! A good Samaritan noticed a ball



(Photo by Linda Bergman-Althouse)

of fluff in the middle of a country road and pulled over to check it out. The weasel youngster appeared confused but uninjured, and with no mom in sight, the fear that she would be hit by a car compelled the gentleman to take action. She allowed him to pick her up and although not old enough to be on her own, she was a capable little weasel who was ready for solid food, which was quite evident from the rescuer’s story of how she tried to chew on his thumb during the ride to the shelter. Although weasels are mammals, they nurse for only a very short time before needing meat in their



(Public Domain Photo)

diet. Short-tailed Weasels sport brown fur on top, white fur on their belly and white feet. With their long, slender bodies, long necks, short legs, and rather flattish head, they are designed exclusively as hunters and mouse harvesting machines! Short-tailed Weasels weigh about seven ounces fully grown with bodies 7 to 13 inches long. Males grow larger than females. They are slinky with no expression of shoulders or hips. When you see them in action, they exude graceful agility as they move about doing all that they do; play, swim, climb, run, hunt, court and raise their kits. They have keenly developed senses of sight, hearing, and smell, keeping them acutely aware and attentive to their surroundings. Short-tailed Weasels are found in a variety of habitats but primarily near wet sites

such as swamps, marshes and especially where brushy thickets reach a waterline. Other habitats include woodlands, brushy areas, stream banks and the borders of forests and fields. They usually nest in hollow trees or stumps, rotting logs, underground burrows, stone walls, and mole runs. Dens are also found in abandoned burrows made by other mammals, rock crevices or in spaces among tree roots; one individual weasel may use multiple dens. They are known to tolerate proximity to humans, but like most predators, they rely on skills of stealth and surprise for their very survival and will almost always see us before we see them. For relatively small creatures, Short-tailed Weasels are courageous and fierce predators, and although they feed primarily on mice, rats, and voles, they are known to take on other prey

“Your Place Ermine?” (cont.)

as written for ‘Carolina Salt Magazine’ by Linda Bergman-Althouse

that can be ten times larger than themselves, such as rabbits. Frogs, birds, and eggs are also on the menu, from time to



(Public Domain Photo)

time. Their small, thin bodies allow them to squeeze into tight spots to reach small prey. Their fierceness led to them being referred to as a “Stoat,” which is of Belgic or Dutch origin, meaning pushy and bold. As strict carnivores, Short-tailed Weasels eat no plant food of any kind. They have high metabolic rates and require 40 percent of their body weight in food daily and up to 70 percent for lactating females. Short-tailed Weasels live alone except to mate. Though it can be more than 9 months between the time they mate and the female births 4 to 12 closed eyed and ears sealed young, weasels are not truly pregnant until March, and their litter is born about 6 weeks



(Public Domain Photo)

later in late April or early May. This reproductive process is called delayed implantation and many wild mammals have this same adaptation. It allows the animals to mate in the fall when they are more active rather than trying to find each other in late winter. Within 2 months of life, kits have been taught to kill their own prey. The crazy, physical games played among siblings help develop strategies and tactics they will need to catch prey. They must be alert, fast and able to turn on a dime to hunt effectively. Despite their small size and short legs, Ermine develop endurance

and stamina during play that allow them to outrun prey that becomes fatigued. Although they are most active at night, they can be out any time of day. Short-tailed Weasels communicate among themselves through body language and with visual, sound and scent cues. Adults will trill, whine, hiss, and squeal, while kits utter chirping noises. They also communicate by using scent glands that can produce a pungent musky odor. Females emit this attractive scent when they are ready to mate. Some folks associate weasels with being troublemakers, because they can make quite a ruckus

in a chicken coop if humans render their chickens accessible at night, but please remember all the good they do in the way of controlling our mouse and rat populations. All weasels have a significant role to play in maintaining a healthy ecosystem. The longevity of a Short-tailed Weasel is not long at all. Only a small percentage of kits make it to their first birthday. Predators abound for this cute little racer. They need to outrun and hide from owls, large snakes, coyotes, foxes, falcons, hawks, and humans. If they do survive that first year, they may live for several years. In captivity the record life span has been registered at 8 years. Short-tailed Weasels are so secretive that we do not know a lot about them, and there is certainly



(Photo by Linda Bergman-Althouse)

more to be learned. It was a thrill for the volunteers and staff at the shelter to raise our little stoat and learn as much as we could from everything she had to teach us. Hopefully, she is still out in the wild living her little weasel life and staying out of trouble!

WRNC Membership Renewal *by Ann Rogers*

REMINDER: DON'T FORGET to pay the annual \$15 dues to renew your WRNC membership! The fiscal year runs from May 1 through April 30 of the next year. Regardless of when we receive your dues during a year, the fee will cover that period. Remember, this change was made in 2019 to avoid confusion when the dues payment was formerly included in our symposium registration. Benefits for WRNC members include:



Reduced symposium registration fee	Option to appear in Wildlife Rehabilitator Directory
Access to newsletter archives	Directory Information made available to the public
Access to Membership Directory	Eligibility to apply for cage grants

Visit our website, at http://www.ncwildliferehab.org/.../member_application... to join or renew. Belonging to Wildlife Rehabilitators of North Carolina, Inc. (WRNC) helps expand your network with other rehabilitators across the state so we all can share skill sets and knowledge with each other through face-to-face contact and formal training. Also, our annual symposium provides the necessary training for new permits, as well as our annual renewal requirements. WRNC worked for years to encourage the North Carolina Wildlife Resources Commission (WRC) to allow RVS licenses among our ranks, and we were instrumental in its ultimate adoption and implementation. With our sustained developmental growth, WRNC has become a centralized training hub for North Carolina Wildlife Rehabilitators, as well as rehabbers from surrounding and more remote states. Please visit WRNC's website today to renew your membership!



(Photos by Linda Bergman-Althouse)

Quinto's Comedy Corner *by Linda Bergman-Althouse*

**QUINTO SAYS: YOU might be a
WILDLIFE REHABILITATOR . . .**

**IF . . . you do not get offended when someone mentions
that you have a mealworm crawling in your hair.**

**IF . . . you know that the best way to stop a groundhog from
digging in your garden is to take away his shovel!**

WRNC MEMBERSHIP! If you have a one-liner that describes the unique life and double-down passion of a Wildlife Rehabilitator (**tell it like it is!**) and you would like to share with **QUINTO** for his column, please send it to lbergmanx@gmail.com

**Quinto wishes everyone a . . .
HAPPY & SUCCESSFUL BABY SEASON!**



Photo by John Althouse

WRNC Newsletter Schedule

Do you have a wildlife-related idea you would like to share with the WRNC membership? Please submit it to our editors for consideration. How about a relevant article you found somewhere? Send us a link so we can ask for permission to reprint it. Email all articles, ideas, comments, and questions to **Linda Bergman-Althouse** at lbergmanx@gmail.com **Thank you!**

The WRNC newsletter is published four times a year. The deadlines for submissions are prior to:

March 1st

June 1st

September 1st

December 1st

WRNC Newsletter Editor & Copy Editors

Linda Bergman-Althouse	Editor	L. Michele Poe	C-Editor
Jean Chamberlain	C-Editor	Ann Rogers	C-Editor
Carla Johnson	C-Editor		

