

Message from the President

“Take Care of Yourself First”



It takes a special person to become a wildlife rehabilitator. We must love wildlife, otherwise why would we put ourselves through this ordeal every day for months and years. Long hours, less-than-stellar pay if you're getting paid at all, the never-ending stream of patients, lack of resources, and lots of blood, sweat and tears. It's enough to wear anyone down, physically and emotionally. It is easy to get overwhelmed in our profession.

So while you are taking care of injured animals, you should take care of your own health, too. If you are on the verge of burning out, you are no good to the animals that need your help or the volunteers that need your guidance. You won't be able to calmly answer the phone about wildlife-related problems. You can't inspire that group of children with your enthusiasm.

Taking care of yourself can start with simple things – remind yourself that good things are happening every day. A “Thank You” note from someone who delivered an injured animal, a release event that went off without a hitch, a new volunteer that shows real promise. Make a habit of looking for the positive every day.

Take a lunch break - actually sit down AND eat.

Wildlife rehabilitation is a team sport and you have to work together to succeed. Thank your co-workers often (it costs you nothing) and accept their “Thank You” in return.

You need balance in your life. Schedule some time for yourself, away from the daily grind. Attend meetings like birding clubs or hiking clubs once a month. Find an activity you've never tried. It can be related to wildlife so you're not “giving up” on your passion but broadening your horizons, as they say.

Attend a wildlife-related course or symposium once a year if at all possible, and visit another wildlife facility if the opportunity arises. This might take some preparation. First, you have to be willing to “let go”. That means trusting others in your organization to cover all shifts and do what needs to be done while you are away. That in turn might mean scheduling some extra training sessions to get everyone up to speed or writing down protocols so your instructions are clear even when you're not there. You can plan all this long in advance and work at it in small steps.

Talk to donors about raising funds specifically for travel and expenses related to your continuing education. Explain to them that nobody can work in a vacuum.

Take care of yourself. I challenge you to make time for yourself, find a (preferably cheap) hobby and get away on occasion. Chances are you'll feel better, learn something new and you'll be a better rehabilitator and teacher.

Symposium Wrap-up by Jean Chamberlain

Our symposium continues to get bigger and better each year. This year our 14th conference was attended by more than 250 people. There were eight labs where participants wrapped wings, splinted legs, fixed fractured shells, impeded feathers and examined birds and mammals. There were well over 40 sessions presented with topics ranging from hummingbirds to the turtle trade to HPAI surveillance and prevention. The raffle set a record taking in more than \$2300. At the banquet the keynote speaker delighted us with photos and stories about lemurs. We learned new things, met old friends and had lots of fun.

We would like to thank the many people whose contributions made it all possible. They include:

Dr. Greg Lewbart at NCSU College of Veterinary Medicine who graciously served as our official sponsor. He spent considerable time long before the meeting ever started and then spent the entire weekend “putting out fires” such as AV challenges. And of course he taught the very popular turtle shell repair lab.

Our veterinary student liaisons were instrumental in organizing and assisting with labs, running audio-visual equipment, helping with registration and vendor set-up, organizing supplies, clean-up – we just could not do this without their help.

The Continuing Education staff at the veterinary college handled registration, food arrangements, badges, etc.

This symposium was all about learning and that would have been impossible without the many speakers who gave their time and shared their knowledge.

Vendors provided the opportunity to look at products, talk to folks who use those products, and buy some gifts for loved ones.



Chris Smith with Duke Lemur Center, our inspiring keynote speaker

Photo by John Althouse



The raffle is always well-attended

Photo by John Althouse

Be sure to check out the slideshow with hundreds of photos taken that weekend on our homepage at <http://www.ncwildliferehab.org/>.

The next symposium will be held January 21-22, 2017. We hope to see you all there.

Lead Toxicity in a Bald Eagle by David E. Scott, DVM

Images by CRC

A second year bald eagle (Fig 1.) was admitted to Carolina Raptor Center on December 26, 2015 from Henderson county, NC. It was mildly emaciated (keel score 2/5, weight 2750 grams) and had a partially healed fracture of the right distal ulna (Fig 2.). The fracture was highly comminuted and had multiple metallic foreign bodies embedded in it. With most gunshot patients, we aren't typically worried about lead intoxication. This is because lead is usually only absorbed when it is inside the gastrointestinal tract where the stomach acid can act on the lead fragments and dissolve them enough to be absorbed. Lead embedded in soft tissue such as muscle generally does not present a risk of lead intoxication. However, we did have a previous case (Fig 3.) where lead toxicity did result from a gunshot wound similar to this case. In the previous case, the bone had healed around



Fig 1

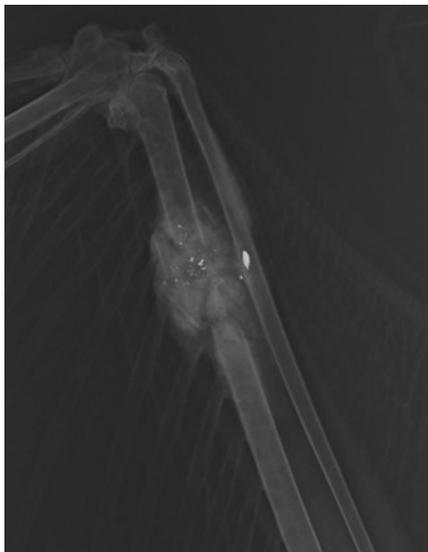


Fig. 2

the fragment and our theory is that the increased metabolic activity surrounding the fragment was enough to result in a toxic level of absorption. Because of this past case, we were worried that the same thing might happen. While it is relatively easy to treat a typical case of lead poisoning, it is almost impossible to do so when there is a large source of lead embedded in the body in a place where it cannot be easily removed.

In the current case, we began our typical treatment which includes supportive care, physical therapy for the fracture, as well the systematic removal of lead from his body. This process is called “chelation” and it involves the use of medications that selectively bind lead and assist in its excretion from the body.

One medication is called Calcium EDTA (CaEDTA). It is an injectable medication that preferentially pulls lead out of the bone. The other medication is called DMSA and it has a predilection for binding lead in the soft tissues. We typically start with CaEDTA since it is injectable and we can give it and be assured the patient is receiving it on a regular schedule. Once an animal is stabilized and eating reliably, we can switch to using DMSA in the food. They work synergistically and can be also used in combination. When treating lead toxicity it is important to understand the chemistry. When lead is absorbed, it distributes into many tissues. The lead that is in the blood is what causes the clinical disease (depression, neurologic symptoms). Our goal, therefore, is to decrease the blood lead level and, luckily, the level of lead in the blood is easily measured in the clinic. But lead can also deposit in the bones and elsewhere. — **continued on page 4**



Fig. 3

Lead Toxicity in a Bald Eagle (continued)

When we begin the chelation process, the medications will bind the lead and allow it to be excreted. This leads to a lowering of the measurable level in the blood. Once it gets down to a non-toxic level, we are good to go... right? Well, not exactly. As in many chemical processes, things tend to want to equilibrate, and in this case, a lowering of the blood lead level leads to more lead coming out of the bone until the levels in the bone and blood are equal again. So the blood level will rise again and we will need to begin chelation again to lower the level. As

you can see in Fig 4, the blood level will drop during chelation and rise when we stop. This is continued for several cycles until the lead in the bone is depleted enough so that it cannot continue to leach back into the blood. The graph shows the lead profile for our bald eagle case. His lead level on admission was not terribly high but we do tend to treat all eagles with a lead level of 20 ug/dl or greater. The first chelation phase resulted in a very significant drop in his level. We typically like to see levels below 5 ug/dl and

this was achieved in this case. Once we stopped chelation, however, his level rebounded slightly but responded again to a second round of chelation. This “stair-step” pattern is quite common when chelating lead and is to be expected. Because of this behavior, it is very important that you check the lead level 2 weeks after chelation is stopped in order to confirm that the level has not rebounded. Our bird is currently in a flight cage in preparation for release. His fracture is healed and his lead level is actually starting to drop without further chelation. This is great news as it probably means that our initial worries about lead absorption from the fracture site were unfounded. We expect full recovery and release with the next 4-6 weeks and we are hoping to fit this bird with a backpack GPS transmitter so that we can track him for years to come.

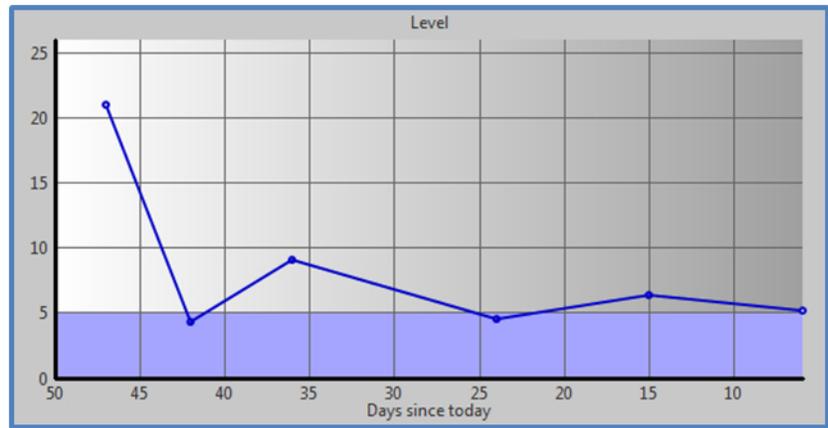


Fig 4

Technical website help sought

If you have some experience with ftp, mysql or php and would like to help with the WRNC website, contact Jean Chamberlain at jchamberlain1@windstream.net.

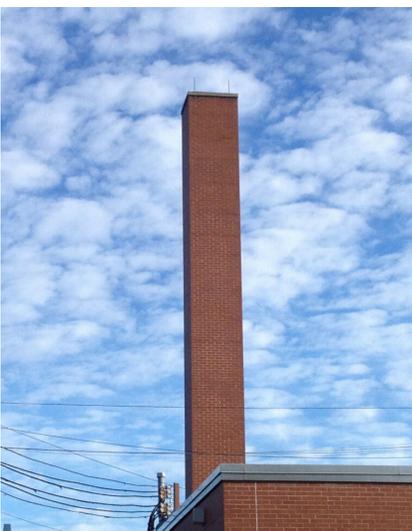
Two New Grant Approvals for Chimney Swift Towers – Denver & Fuquay-Varina, NC!! by Linda Bergman-Althouse

During the WRNC Board of Director's meeting at the annual symposium in January, two WRNC Chimney Swift tower grant applications were selected to each receive a \$300 WRNC Chimney Swift Tower Grant!!

Grant recipient, Karin Reynolds from Denver, NC has been a Wildlife Rehabilitator for the state of North Carolina for almost 30 years. She has worked with Michelle Ray and Nina Fischesser over the years, sharing her knowledge and networking with them to improve her skills. She works from home and calls her haven, Whip-poorwill Wildlife Sanctuary. In her neck of the woods, she has been crowned the Chimney Swift Specialist because she has a true passion for these aerial insectivores. She understands how truly different they are from other birds and includes their special needs in the rehab process. She values the Chimney Swift's worth to her community and wants to provide alternative habitat as well as the best rehabilitative care possible. Karin has put together a team to ensure the build of her 2016 Chimney Swift tower is executed properly and in a timely manner. She is committed in seeing this project through and maintaining the tower for years to come.

Grant Recipient, Erin Laskowich, Treasurer for Lincoln Heights Elementary School in Fuquay-Varina, NC says her school is in the middle of a unique situation that has become a crisis. A school construction project will unfortunately destroy a chimney that has been home for roosting and breeding Chimney Swifts for many years. She has stepped up to represent the needs of the Chimney Swifts, her students and her community. She stated on her application, supported by faculty members and the school principal, that having a tower will continue to enhance the outdoor classroom experience by enabling the elementary students at Lincoln Heights to be part of a real world view of conservation, as well as provide the critical alternative habitat required to keep and maintain the swifts in the Fuquay-Varina area and community. Final approval for the tower and the exact location for the build have not been decided, therefore Erin was tentatively approved to receive a WRNC Chimney Swift Grant once the stipulations of official approval from her school board and final tower location have been met before receiving the WRNC grant funds. She will stay in contact with the WRNC grant coordinator to keep our organization apprised of the ongoing administrative process and ultimate decisions. We're keeping our fingers crossed!!

The images provided give you a look at the chimney scheduled to be destroyed during demolitions at Lincoln Heights Elementary School in Fuquay-Varina. The second image is a WRNC-assisted tower erected by Central Piedmont Community College, which is what we hope will happen for the community of Fuquay-Varina!



Old chimney on Lincoln Heights Elementary School campus

If anyone is interested in constructing and maintaining a Chimney Swift tower to benefit the birds as well as your community, WRNC is in a position to help you conserve this natural resource and encourage Swifts to return to North Carolina by offering a Chimney Swift Tower Grant to any environmentally active group or individual who will seek appropriate site approval, properly construct and regularly maintain a Chimney Swift Tower in their area. Find the requirements and WRNC Chimney Swift Tower Grant application online at <http://www.ncwildliferehab.org>.

New applications must be submitted prior to **January 5, 2017. (Date subject to change)**



Chimney Swift tower on Central Piedmont Community College campus

The Weather has been Crazy by Toni O'Neil

The weather has been crazy - it doesn't matter where you live - and we are seeing the effects it has been having on the wildlife. You may have noticed already that birds that usually don't arrive until April have started to appear and migrated up earlier this year. Territorial and mating behaviors can be observed in both mammal and avian species - ahead of the normal schedule. We can only assume that the baby mammal season will be early as well. So are you prepared?

Make sure your heating pads are working. Are your formula powders still good? Do you need to order more to be ready? What else do you need to do so that when you get that call about a nest of baby squirrels or a dead mother opossum with a pouch full of babies you don't panic?

Do you have O-ring syringes? What about different sized French catheters? Are there adequate nursing nipples with tiny holes or did they get stretched out last season and need to be replaced? Enough soft fuzzy bedding to keep them all warm? Crab boxes of appropriate sizes? Taking inventory now will make it easier when it starts to get hectic in a month or so --- or even sooner, the way things are looking now.



Photos by Toni O'Neil

Continuing Education by Toni O'Neil

I teach a Wildlife Rehabilitation Class for the Jacksonville, NC Coastal Carolina Community College (CCCC) that is offered through their Continuing Education Department. The semesters are 6 months long, so the current class is already in session for the January to June period, and the next class is available from July through December. Interested students register with the CE Dept. at CCCC online or through their main office at 910-938-6294. It is a stand-alone course, but is also a part of their whole Veterinary Assistant Certificate Program (made up of another 4 courses).

I also teach an online Wildlife Rehabilitation Course for the Animal Behavior Institute (ABI). This is a 10-week course and students can find out more about the entire program online at: <http://www.animaledu.com/Programs/Wildlife-Rehabilitation>

Wildlife Rehabilitation.....Why is this important?

by Tara Byran

Most of the wildlife that we take in are not considered endangered species, so why is wildlife rehabilitation important? Won't the world do just fine with one less squirrel or opossum?

Although saving a few individual birds and mammals may not have a huge ecological impact, we believe that every animal deserves our compassionate care for a very simple reason: to prevent needless suffering.

Once an animal crosses a rehabilitator's threshold, the animal may live or it may die, but it will not suffer. What would a person do if they found an orphaned or injured animal and could not find a rehabilitator to care for it? If an untrained person rescues and attempts to care for an animal without proper training and appropriate resources, armed with nothing but inaccurate internet advice and old wives' tales to guide him, the animal is likely to suffer a slow, painful decline and even death from improper feeding, wrong medication, dehydration, starvation, hypothermia or burns from incorrect placement of heating pads, exposure to toxins, undiagnosed internal injuries, bacteria, diarrhea, or parasites. Even if the animal survives the perils listed above, if it is not raised and prepared for release properly, it becomes imprinted on humans, unsocialized with its own species, unprepared for harsh weather and ill-equipped to defend itself from predators. Ultimately, the animal may be released by its caregivers once it is no longer cute or easy to care for or has become a danger to children in the home. Released with its health in doubt, social skills impaired and dependent on humans, it is likely to suffer and die in the wild.

Wildlife rehabilitators simply fill an important, though largely unrecognized, role in preventing and alleviating suffering. We believe that every animal, from the tiny field mouse to the majestic eagle, deserves our compassion, and we use our training and talents every day to combat pain and suffering, no matter how insignificant or unappreciated the sufferer.

My Ground Hog Day by Kelley Odell

One hot August afternoon, I received a call from a Wake Forest apartment manager. They had seen a ground hog in a stairwell and needed it removed. I tossed some equipment in my car and headed to Wake Forest.

The apartment complex has five buildings with multiple stairwells, leading me to hunt for 20 minutes for the ground hog in 90 plus degree heat; finally someone told me where to find him. The grapefruit-size groundhog had climbed two flights of stairs and was resting at the base of the third floor landing. How he managed to get up there was a mystery, and should have been my first clue that he had super powers.

Finding him hot and dehydrated, I scooped him up and took him home for treatment. I figured I would hydrate him and bring him back to the area after the heat wave. Upon arriving home, — **continued on page 8**



Photo by Kelley Odell

My Ground Hog Day (continued)

I set up a large metal rabbit hutch for him in my office, complete with wooden nest box, nesting materials, water and food. I put him in the cage and left him to recover in the dark, quiet room.

Later in the afternoon I went to my office to get a file. As I turned to leave the room I noticed something strange, the mini blinds I closed seemed to be letting in a lot of light. Upon closer inspection I realized they were hanging in pieces and the valance above the window was lying on my desk. I turned on the light switch and found my office trashed. Not only had the mini blinds been destroyed and the valance pulled off, but even my Betty Boop clock that was above the window was knocked down. Pictures on either side of the window were cockeyed, boxes of taxes that were stored on the top shelf of the closet were upside down, and documents were scattered everywhere on the floor. I was still confused about what happened until I noticed the foot prints! Little ground hog foot prints on the window, wall and desk.



Photo by Kelley Odell

I looked at the cage and the door was still closed, bars not bent or broken, and no ground hog was there. I assumed he had escaped and was hiding somewhere in the devastation. I looked high and low, under furniture and even on top of bookcases, but no luck. I was about to give up when I heard a sound coming from inside the cage. I opened the cage and lifted the hidey box lid and there he was, sitting contently eating an ear of corn as if nothing had ever happened.

Not only had he escaped, climbed to the top of the closet and window, but he also managed to climb back into the cage with the door closed. I still don't know how he did it! The end result, he went back to Wake Forest that night.

WRNC Facebook Page by Cathy Burns

Hi, I am Cathy Burns, one of the administrators for the WRNC Facebook page. One of the things we would like to use the Facebook page for is to help get the word out when you or your organization is having a training event. Also if there is an animal that needs transport from one area to another, I would like to post that.

All you need to do is send me a message at patcatb@aol.com with the information such as date of training, location of training, cost and who to contact. For an animal that needs transport, I need location of animal, where it needs to go and who to contact. I will get it posted as soon as I can.

Becoming a Certified Wildlife Rehabilitator™ by Halley D Buckanoff

In 2007 the International Wildlife Rehabilitation Council (IWRC) introduced the Certified Wildlife Rehabilitator™ (CWR™) professional credentialing. Wildlife rehabilitation permitting/licensing is regulated on a state/province level for native mammals, reptiles and amphibians, and on a federal level for native birds. Therefore rehabilitators are considered permitted or licensed depending on their state/province. The requirements to attain a license/permit vary greatly from state-to-state and internationally with little to no expertise needed in some regions and others requiring confirmation of education and resources. This program was initiated to inspire rehabilitators to exceed required expectations and promote high standards in rehabilitation practices.

“Becoming a Certified Wildlife Rehabilitator shows permitting agency personnel, veterinarians, grant organizations, members of the public, and your fellow rehabilitators that you are committed to professionalism and providing the highest quality care.”

Similar fields, such as veterinary technology, require education and experience as well as passing an examination. However, the CWR™ has no eligibility requirements, and you don't need to be a member of IWRC to sit for the exam. Therefore it is very accessible and attainable for all rehabilitators. However, to maintain the CWR™ status rehabilitators are required to complete continuing education every two years. Continuing education ensures that rehabilitators are staying up-to-date on practices.

“Professional certification provides a reliable validation of training and experience that accelerates professional development and enhances credibility.”

Since its inception, hundreds of wildlife rehabilitators have sat for the exam; 164 have become registered CWR™s, from 5 countries around the world, with 32 new rehabilitators credentialing in 2015. As a fairly new and evolving field, with paid employment opportunities on the rise, credentialing is becoming a desired qualification.

“A mark of excellence you carry wherever you go.”

While the CWR™ is not a requirement it is an achievable goal that a rehabilitator can be proud of acquiring and demonstrates an individual's desire to go above and beyond for the field of wildlife rehabilitation.

For more information: <http://www.cwrexam.org/certification/>

Continuing Education

The NWRA holds an annual conference every March. Unfortunately you just missed the conference in OK. Check their website for upcoming events, classes, books for sale, etc. at <http://www.nwrawildlife.org>

The IWRC offers many courses for rehabilitators including some online courses. See details at: <https://theirwc.org/courses>

Staying Compliant with your NC Wildlife Rehabilitation License

by Calley Gerber, Gerber Animal Law Center

As North Carolina wildlife rehabilitators, we undertake the daunting task of caring for sick, injured, or orphaned native wildlife with the goal of rehabilitation and release back into the animal's natural environment. The privilege endowed by the license allowing us to perform this function comes with important legal requirements that must be followed.

First and foremost, our rehabilitation license denotes the types of animals we may take...most commonly small mammals. However, we are not permitted to possess several mammals, including but not limited to bats, raccoons, foxes, skunks, and federally and state listed endangered, threatened or special concerned species.

The license itself requires compiling and maintaining annual records of ALL animals or birds held pursuant to the license. These records must be made available for review by any personnel of the NCWRC or the U.S. Fish and Wildlife Service. Records should include the species, reason acquired, location acquired, date acquired, date released, and disposition of the animal.

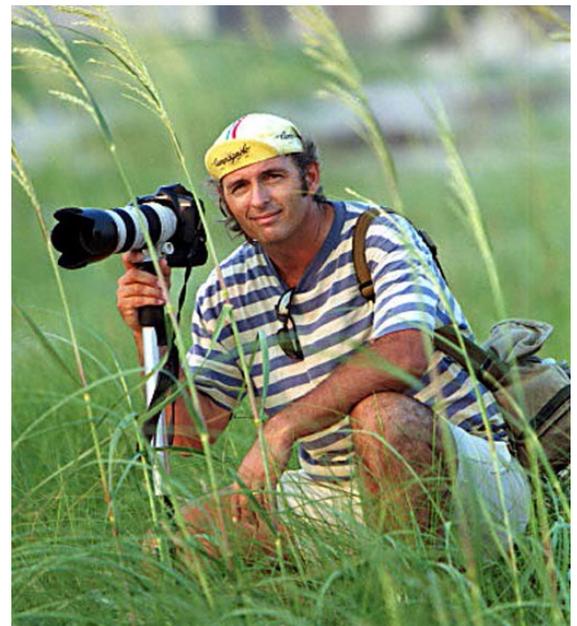
Interestingly, the statutes and rules regarding enclosures for the wildlife we rehabilitate only speak to outdoor enclosures, requiring minimum square footage requirements per animal, protection from other animals and weather, a den area, a tree limb or exercise device, proper sanitation and care, and a program for the control of insects, ectoparasites, disease, and odor. Details are lacking on the requirements for many of the animals we shelter indoors while they are too young for the outdoor enclosure, so it is best to look to your local organization and mentor in providing the best environment to support and protect those in your care.

Failing to comply with the legal requirements of your license can be grounds for seizure of your animals and revocation of your license, so it is important to remain diligent in your legal duties.

“Dear John”

On behalf of WRNC, its members, board members and symposium attendees we would like to extend a sincere “Thank You” to John Althouse. John is a retired Marine, a freelance photographer and the Director of the Photography and Videography Department at the Jacksonville Daily News. He has attended the majority of our annual symposiums and spent much of his time capturing the events with his camera. His wonderful images have proven invaluable to WRNC's newsletters (including this issue), the website, and to the symposium attendees. We especially like the images of old friends reuniting every year.

Thanks John—we couldn't do this without you.



Wildlife Rehabilitation in Higher Education by Nina Fischesser

There are many great ways to learn about wildlife rehabilitation. But if you're looking for a college degree, you can earn a Bachelors of Science in Wildlife Biology with a concentration in Wildlife Rehabilitation. Lees-McRae College (LMC) in Banner Elk, NC offers this opportunity, combining experiential education with the rigors of academic coursework. LMC is a small Presbyterian liberal arts college located in the high elevations of western North Carolina, nestled between Sugar and Beech Ski areas, close to Grandfather Mountain and the Linville Gorge Wilderness Area, where students can enjoy all that outdoor adventure offers.

Students who enter the program as freshmen will start with Bio 155 Fundamentals of Human and Animal Relationships and explore how we, as humans, have related to animals from caveman times up to the present time, in



Amber McNamara, DVM and students

Photo by Nina Fischesser

all aspects to have a better understandings of the attitudes, norms, and paradigms held by people over time. As sophomores they begin to work with the injured and orphaned wildlife while taking the Basic and then Advanced Wildlife Rehabilitation courses. These courses prepare them for the 3-month-long (12 credit hour) Clinical Wildlife Rehabilitation course. The rehabilitation courses are taught (and center is run) by Director, Nina Fischesser, and staff veterinarian, Amber McNamara ,DVM, who guide the students in all areas of running the Dan & Dianne May Wildlife Rehabilitation Center (MWRC). When students have completed the skills required in the summer, they begin mentoring

the new students during the 4-shifts-per-day that go on every day of the school year. So the program is based on reciprocal learning where students start out as learners and end up as teachers and educators.

Most people who are involved in wildlife rehabilitation know how important education is. Anyone who brings an injured animal wants to learn about the species and everything about the animal they just brought for rehab. At MWRC we have a fleet of non-releasable wild permanent resident 'ambassadors' who serve as partners in education. They range from reptiles and small mammals to songbirds and raptors. Students learn how to manage and care for their physical and psychological needs while learning how to use them in education. MWRC offers weekly formal presentations for the public as well as conducting programs in the Avery County Elementary Schools.

When the program began, 13 years ago, we did not have a clear idea about career choices for students, as there are not a lot of wildlife rehabilitation jobs out there, but now we have many students working in all sorts of animal related fields ranging from animal trainers in zoos, an animal cop in Raleigh, naturalists in nature centers, rehabilitation staff, and the list goes on. But the one thing they all have in common is they are living their passion working with animals both domestic and wild.

For a complete listing of the major see http://www.lmc.edu/academics/academic_resources/college_catalog.htm

Cage grant update by Mathias Engelmann

During the board meeting at the recent WRNC symposium, the board awarded a cage grant to Jennifer Gordon & Carolina Waterfowl Rescue (CWR) in Indian Trail, NC. The funds will go towards the construction of a 10' x 10' songbird rehabilitation cage. CWR cared for over 1,500 songbirds during the 2015 season, so additional space will certainly help.

Since 2005, WRNC has awarded 18 cage grants to its members. Up to two grants are awarded each year. It is hard to believe but in some years we don't receive enough applications to award both of the grants. If you are a licensed rehabilitator and are planning on building a new cage, look on the WRNC website for information on the grant and the application form.

A Big Thank You to Our Donors by the Raffle Committee:

Toni O'Neil, Kathy Lillard, Sue Heritage, Michelle Ray, Cathy Burns

WRNC gratefully acknowledges the wonderful business sponsors and private individuals who made our symposium raffle a huge success. Their generosity allowed us to raise funds that will allow birds and animals in NC to be rehabilitated and released and ensure that the Chimney Swift population in NC continues to stay strong. We cannot thank the following donors enough for their kindness and support:

- NWRA - One owls T-shirt, 18 Wildlife Rehabilitation Volumes; "Topics in Wildlife Medicine - Clinical Pathology" book; "Minimum Standards" book; "Quick Reference" book; window stickers; two CDs: "In Our Hands - Wild Again"
- Jim Craig - matted bird and nature prints
- Kevin Geraghty - matted prints of a hatchling sea turtles,
- Mrs. Alice Sanders - framed picture of birds, matted pictures of birds
- RodentPro.com, LLC - one gift certificate worth \$50
- Grubco, Inc. - three gift certificates each worth \$50
- North Carolina Zoological Society - 4 entrance tickets
- Fox Valley Animal Nutrition, Inc. ,Nick P. Vlamos, 12 gift certificates: each for one lb. formula of choice and free shipping
- Nature's Way, Tim Vocke - three gift certificates for 5000 medium mealworms and free shipping each
- Lone Star Safety and Supply, Inc. , Pam Smithson (Personally from her and her husband) - 3 boxes of disposable latex rubber gloves, 6 packs of butterfly closures, and 6 pairs of welding gloves
- Golden Sands Beach Resort , Mr. Jimmy Pope, Owner - one gift certificate for free weekend stay
- Elizabeth Hanrahan - 4 Baskets: beer basket \$20.00, Ocracoke basket \$20.00, Ocracoke basket \$10.00, book basket \$20.00
- Droll Yankees - Sandi Tucker - one Ring Pull Sun 15" Midnight Blue Feeder
- Backwoods Farm Inc., Kim King - two gift certificates for 10,000 mini mealworms, shipped, each valued at \$65.00

A Big Thank You to Our Donors (continued)

- Mark & Martha Petty - One Levenson gray computer bag - \$99; One new Othello game - \$17.95; Two bird magnets- \$2.00; One metal squirrel feeder with lifting top lid - \$24.99; Four animal spiral ring notebooks - 4 @ 1:00 each = \$4.00; Coasterstone - 4 Lighthouse images - \$16.99; Five Stuffed animals, including one squirrel finger puppet - \$15.00; Small leather covered notepad - \$5.00; Long notepad with cover and pen - \$4.00; Snoozie's slippers - \$12.99; Crate and Barrel cocktail napkins (architectural theme) - \$5.99; 7 Gypsies clip board - \$5.00; Newton's Cradle Art in Motion - \$10; Botanical Mug in box from Stash Tea - \$12.95; Red & White Christmas placemats (4) double-sided - \$9.95; One large Candle from Pier 1 - \$17.50; Large Silver Spoon cookbook - \$19.95; Squirrel Whisperer sweatshirt size large - \$19.95; Three boxes of cards; Index cards and Post-It notes;
- JurassiPet - 8.8 oz. JurassiCal calcium powder supplement, 2.8 oz. Aquatic Turtle Formula, 2.8 oz. Bearded Dragon Formula, 3.5 oz. Gut Load for Crickets, 21 oz. Newt/Aquatic Frog Formula, 21 oz. Hermit Crab Formula, 250 ml Jurassi Safe, two 250 ml Jurassi Clean, three 250 ml Jurassi Mite, three 250 ml Jurassi Cal calcium supplement spray, two 250 ml strawberry-scented pray flavor enhancer, two 250 ml banana-scented spray flavor enhancer, JurassiPet Health & Maintenance literature
- Carolina Hurricanes Hockey Club - one Gift Voucher for two free tickets to one regular season game - certificate value is \$180.00
- Armstrong's Cricket Farm - four gift certificates for 1000 live crickets
- Duke Energy - 3 boxes of rubber linesman gloves
- Computer Marketing Services, Inc., Susan M. Barnard & Linda E. Bowen - coauthored "Rehabilitating Bats with White Nose Syndrome" - 1 book "Tabitha's Tale"
- Purina Animal Nutrition LLC, Karen C. Wright, Eastern Region Manager, Technical Support & Sales - 2 hats and two gift certificates - one for Waterfowl Maintenance and one for Waterfowl Starter
- Squirrel Store, Michelle (Misty) Wiedow - two gift certificates for \$25.00 each, and two gift certificates for \$10 each
- Elena Rizzo, lead researcher/rehabber liaison, wildlife rehabilitator, Animal Help Now organization, www.ahnow.org, elenar@ahnow.org; www.facebook.com/AnimalHelpNowWildlifeHelperResources - shirt, tote bag, magnet, window sticker
- NC Aquariums - two complimentary gift passes
- BabyWarm.org, Kim Barker, kimberlybarker@mac.com - literature & applications, sign for table, bookmarks, postcards about free incubator for rehabilitators program
- Wildlife Rescue Nests, Dottie McAdams - 6 hand-made crocheted baby bird nests
- Mike Dupuy Hawk Food - one food coupon, business cards, and "new customer" discount postcards
- Ghann's Cricket Farm, Inc., Clay Ghann, CEO/Cathy Ghann - Five COUPONS for \$10.00 to use towards any item on website, valid once per customer, and the coupon is valid from 1/31/16 thru 4/30/16
- Chris's Squirrels and More, LLC, chris@squirrelsandmore.com - two \$20.00 gift certificates
- Carolina Raptor Center - "Save the Vultures" magnet, "CRC" hat, Raptor t-shirt
- Deanna Epps - 13 assorted photos value \$65.00
- Grandfather Mountain Stewardship Foundation - one watercolor done by Oscar the NA River Otter, Behind the scenes tour and guest passes for 4 (must go together), Keeper for the day pass for 2 guests.

A Big Thank You to Our Donors (continued)

- Betty O'Leary and Karen Wetherell - holiday heirlooms owl, "All God's Creatures..."stone, dish towel, bird wine glass markers, 2 mint matcha bars, Ghirardelli dark chocolate bars, Lindt chocolate bar, Eldsriver mix, Pancake and waffle mix, Cinnamon and orange spice bourbon punch, Hammond's chocolate peppermint caramel marshmallow, Hammond's Mitchell sweets, Zhená' gypsy tea sampler ,dipping oil, Pinot Grigio, candle stick, Happy Hour "Bacon and Cheese" crunchy puffs, Happy Hour "Salmon and Dill" crunchy puffs, 2 squirrel ornaments, pawprint mug, Vermont Maple syrup
- Linda Bergman-Althouse - "Owl Love U 4 Feather" basket value \$60.00, "Time for Me " spa basket value \$45.00, "Let's Stress Bake" basket value \$25.00, "Do You Know A Kid " basket value \$38.00, "Let's Fly Away" basket Value \$50.00, Heritage Leather Attache' Briefcase value \$100.00
- Auntie MMS Custom Boutique - jingle buddy (toy), Boa (enrichment toy), cuddle cube jr.(flying squirrel), cuddle cube (squirrel or opossum), pocket hammock (squirrels, opossums, raccoons), value \$87.00
- Carla Johnson - two owl purses, two smaller owl purses, one owl tree decoration
- Tonya Weil- artwork from last year - matted pictures, infamous giant Bridge pictures
- Mr. and Mrs. Mike Zimmerman - one Lowes gift card \$50.00, one Home Depot gift card \$50.00, two Marathon gift cards \$25.00 each, two BP gift cards \$50.00 each, cat carrier,1 bag baking soda, one pack microfiber towels, one 5 gal. bucket.
- Mr. and Mrs. Scott Cunningham - "Relaxing Evening" basket.
- Backyard Birds Laurie Horne, Owner, Matthews NC - one Day Dreamer hanger (turkey), one Autumn Owl Felt door décor, 4 Thistle sock feeders, one small garden flag "Golden Retriever", one Butterfly Thermometer wall plaque, one decorative bird house, secret jewel soy candles: one "Love", one "New Home", one "Hope", one "Good Luck"
- Duke Lemur Center- Chris Smith - free pass to "Walk with the Lemurs" tour
- etsy site: www.etsy.com/shop/fiberdreamsantas ,Debbie Trantham - 'Fiber Dream Santa's needle felted owl ornament \$65.00, needle felted owl ornament \$65.00, needle felted snowman ornament \$30.00, needle felted snowman ornament \$30.00, needle felted Santa face ornament \$45.00, needle felted Santa face ornament \$45.00, Moon Santa ornament clay face \$30.00, Lg. Santa face ornament clay face \$75.00, hand painted owl on canvas \$75.00
- Monroe Road Animal Hospital - 2 boxes of assorted medical supplies and medications
- Larry Fosebee - d 3 pictures/Art plus 4 more pictures
- Michelle Ray - 2 bottles of wine, collapsible pet carrier luggage
- Bonnie - squirrel wind chime, two Richard Petty Driving Experiences Value \$109.00 each, one raccoon picture
- Betty Holloway - one bunny tub (filled with assorted bunny stuff), one bird tub (filled with assorted bird stuff)
- Cathy - 3 bottles of wine, 2 glasses, syringes (1cc,3cc,5cc,10cc,20cc,30cc), bulb syringe, feeding tube, specimen cups, exam gloves, instruments
- Elizabeth Hyde - Ralph Lauren Perfume value \$30.00, 3 bags of small grab bag items value \$10.00

A Big Thank You to Our Donors (continued)

- Julie McKenzie, Carolina Wildlife Center - case of plasmalyte A fluids, syringes of saline, (4) Bene-bac gel , several one lb. bags of Fox Valley formula, Butterfly needles total value \$450.00
- Friends of the WNC Nature Center - 2 one day passes to the WNC Nature Center value \$22.00
- Rita Rendon - framed photographs of owls and pelicans
- Janet Link - “Do Unto Animals” Enchanted Forest Coloring Book and colored pencils
- Sue Heritage - 3 hand knitted holiday scarves, Geology of the Carolinas, Green invaders DVD
- Wildbirds, Charlotte, NC - 2 suet feeders
- Backyard Birds, Charlotte, NC - \$25.00 gift certificate

Thanks to “Starbucks” on Lake Boone Trail in Raleigh and especially the assistant manager Stephanie for once again providing free coffee for the symposium !

Legal Corner

Are feeding puppets made from deceased raptors covered under rehabilitation permits?

Look at the conditions listed on your federal permit. Under Condition D (6) it may say “.....possess migratory specimens (puppets, study skins, etc.) to be used in caring for orphaned and injured migratory birds admitted for rehabilitation”. This a fairly new condition added to rehabilitation permits.

You can also utilize such puppets as educational tools, in which case they need to be listed on your education permit.

Photo by Carolina Raptor Center



We Are Asking Our Membership

We need your help!

- What would you want to see in future editions of this newsletter?
- What would you like to see on the website?
- Any comments about the symposium?

Email any comments and ideas to the appropriate committee members on the board. Contact info is on the website. Thanks!

Educators and Rehabilitators and the Migratory Bird Treaty Centennial 1916-2016

Celebrating 100 years of migratory bird conservation and your important role in conserving today's birds for tomorrow

The year 2016 marks the centennial of the Convention between the United States and Great Britain (for Canada for the Protection of Migratory Birds (also called the Migratory Bird Treaty), signed on Aug. 16, 1916. The Migratory Bird Treaty, and three others that followed, form the cornerstones of our efforts to conserve birds that migrate across international borders.

Contact us to learn more : Email: MBTreaty100@fws.gov or on the web: www.fws.gov/birds/MBTreaty100/

Visit the National MBT Centennial Page and the MBT Centennial Nestbox: Learn how **you** can help save birds, all day every day!

Check out our YouTube video “Migratory Birds: A Brief Conservation History”

If you're a Twitter follower, please follow [@USFWSBirds](https://twitter.com/USFWSBirds) #BirdYear

In 2016, the **International Migratory Bird (IMBD) Day** theme, *Spread Your Wings for Bird Conservation*, is closely aligned with the goals of the MBT100. Access free outreach materials, presentations and more to help you plan your event at <http://www.migratorybirdday.org/>.

If you host an MBT Centennial event, you can submit it to the IMBD Public calendar.

List of links:

- National Migratory Bird Treaty Centennial Page: <http://www.fws.gov/birds/MBTreaty100/index.php>
- Migratory Bird Treaty Centennial Nestbox: <http://www.fws.gov/birds/MBTreaty100/nestbox.php>
- Migratory Birds: A Brief Conservation history youtube video: https://www.youtube.com/watch?v=_jRmTAzfcZA
- Twenty Ways that You Can Conserve Birds!: <http://www.birdday.org/birdday/themes/2012-twenty-years-of-imbd/20-ways-to-serve-birds>
- IMBD public calendar: <http://www.migratorybirdday.org/events.html> Be sure to submit your event for listing here!

Newsletter Editors

Linda Bergman– Althouse

Teresa Clowers

Carla Johnson

Jean Chamberlain

Joni Gnyp, DVM



Symposium registration in full swing

Photo by John Althouse

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