



20th Annual Call of the Wild Wildlife Rehabilitation Conference

**Best Western Inn & Suites Conference
Center**

November 13-15, 2015

Waynesboro, Virginia

Sponsored by:

The Wildlife Center of Virginia and

The Virginia Department of Game & Inland Fisheries

NOVEMBER 2015

**Welcome to the Wildlife Center of Virginia's
20th
Call of the Wild conference on wildlife
rehabilitation!**

Welcome to the 20th annual *Call of the Wild* conference! We're happy to have you with us this year. During the past 20 years, the *Call of the Wild* has grown and expanded significantly. One thing remains consistent, however – the dedication and passion of attendees. We welcome all of the first-time attendees who want to get started in the world of wildlife rehabilitation. We welcome back all of our long-time seasoned attendees – whose combined experience and knowledge about rehabilitation is astounding! With both new and experienced attendees, combined with top-notch speakers and experts in the field, there are many opportunities waiting for you this year.

We encourage everyone to take advantage of the conference to network and share your ideas with your fellow rehabilitators. In addition to excellent classes and labs, remember that some of the best conversations and learning experiences occur in between the classes! In the field of wildlife rehabilitation, there will always be room to grow – we can continuously improve our skills to provide the best possible care for our wild patients.

Please be sure to fill out your evaluation so that we can continue to meet your needs—the conference is designed for **you**. Many of the class topics you see on the schedule this year are a result of comments and recommendations from past conference evaluations.

We hope you take the knowledge you gain at the conference, and the new contacts that you make, and return home inspired to continue the fantastic work you do! Thank you for your participation.

The Staff of the Wildlife Center of Virginia



Door Prizes: A number of companies from around the country have donated door prizes for this year's conference! Each participant will receive 10 raffle tickets for each day of weekend registration. Choose which door prize (s) you would like to win, print your name on the back of your tickets, and place them in the corresponding bag. The drawing will take place on Sunday after lunch; you need not be present to win.

Good Luck! **Exhibit Area** We are delighted to have a variety of exhibitors join us this year—several non-profit wildlife organizations as well as a few vendors have tables with a variety of information, wildlife supplies, and gift items available. Get a head start on your holiday shopping!

Giveaway Room Don't forget to check out all of the great free rehab supplies in the Board Room. We are very fortunate to have received a variety of useful items from the local Wal-Mart distribution center as well as the UVa hospital; we are excited to be able to pass these goodies on to you! Help yourself to cleaning supplies, medical instruments, animal food, cages, and much more! Even better—you don't have to wait until conference time each year to load up on medical supplies.

Drop us an email to find out what we have in stock, and we can ship to you. Simply pre-pay shipping costs and wait for your goodies to come to your doorstep! **Certificates of Conference Completion** Certificates for continuing education will be available in the pre-function area at the following times: **Friday's Rabies Education Seminar (3 CE):** After class (Friday 4:00 p.m.) **Saturday-only classes (6 CE):** Saturday after lunch **Both days (Sat & Sun) and Sunday-only (12 or 6 CE):** Sunday after lunch

FRIDAY

1:00 PM – 4:00 PM – Rabies Education for the Wildlife Rehabilitator

This half-day rabies education seminar is designed for wildlife professionals. Rabies is a viral disease that affects the central nervous system of infected mammals. According to RabiesWatch, rabies is the leading viral zoonosis in terms of global public health significance. Virginia and many other East Coast states (including New York, New Jersey, Pennsylvania, Maryland, and North Carolina) have some of the highest reported cases of rabid wildlife in the country. Wildlife professionals caring for high-risk rabies species need to stay current on rabies information for both human and wildlife safety. This seminar will include discussion on epidemiology, transmission, exposure definitions, viral pathogenesis, diagnosis, Virginia statistics and reporting, and disease prevention. Expert speakers will also dispel common rabies myths and will review sample cases.

Dr. Charles Rupprecht, Steve Simpson, and Dr. Megan Kirchgessner

SATURDAY

7:45 am – 8:45 am: Registration (and Giveaway Room opens)

8:45 am - 9:00 am: Welcome (*Blue Ridge Ballroom*)

9:10 AM – 10:10 AM – SESSION 1

A. Avian Analgesia (*Rockfish Gap/Afton Room*)

This lecture will be a literature review of avian analgesia, primarily focusing on NSAIDs and opioids but with a lesser amount of information about local anesthetics, and other drugs.

Dr. Cristin Kelley, ckelley@tristatebird.org

B. Introduction to Small Mammal Rehabilitation (*Blue Ridge Ballroom*)

This class is for those who are new to wildlife rehabilitation. Discussion will include the basic care of small mammals, such as gray squirrels, flying squirrels, opossums, and bunnies.

Jessie Cole, info@rockfishwildlifesanctuary.org

10:20 AM - 11:20 AM - SESSION 2

A. Tool Time! Easy-to-Build Raptor Housing (*Rockfish Gap/Afton Room*)

Raptor enclosures can be easily constructed with standard dimensional lumber. Step-by-step guidelines will be given, and well as some pros and cons of utilizing Starplate domes and contractor-built cages. Topics include "lessons learned" on site selection, exterior walls, roofing, interior netting, doors, and raptor furniture.

Curt LeVan, fortvalleywildlife@gmail.com

B. Make No Bones About It: It's Not All Metabolic Bone Disease (*Blue Ridge Ballroom*)

Metabolic bone disease (MBD) is a term often used inappropriately when discussing patients with an abnormal gait. This lecture will provide an in-depth explanation of MBD, including treatment and prevention in birds, reptiles, and mammals. Other differentials for lameness (an abnormal gait) will be covered as well.

Dr. Helen Ingraham, hingraham@wildlifecenter.org

11:30 AM – 12:30 PM – SESSION 3

A. It's All About the Feather (*Blue Ridge Ballroom*)

Feathers are vital to survival of birds. Issues like insufficient waterproofing, contamination, and feather damage are frequently observed by the rehab community, and poor feather condition can delay the release of an otherwise healthy bird. Fortunately, there are some tried and true methods that address these concerns before they become long-term problems. This presentation will cover feather structure, decontamination, and damage prevention.

Samantha Christie schristie@tristatebird.org, and

Meagan Demeter mdemeter@tristatebird.org

B. Rehabilitation and Medical Care of Orphaned White-tailed Deer

(*Rockfish Gap/Afton Room*)

Odocoileus virginianus inhabit the entire contiguous United States minus two or three states in the West. Each spring, rehabilitators receive "kidnapped" fawns found alone and mistaken for orphans. Public education and return or fostering offer the best chance for survival. When not possible, rehabilitation requires knowledge of natural history, GI anatomy, housing, handling, bottle feeding, rack training and browse. Discussion will include tips and tricks for rehab, plus common problems such as bloat, taming, and capture myopathy. Why rehabilitate fawns? They commonly carry zoonotic diseases like *Cryptosporidium* and *Giardia*. Keeping Bambi out of the hands of private citizens provides an important public health service.

Dr. Kelli Knight, kknight@wildlifecenter.org

LUNCH AND NETWORKING 12:30 PM – 1:30 PM

1:40 PM – 2:40 PM – SESSION 4

A. Flying Solo: A Roundtable Discussion for DIY Rehabilitators

(Rockfish Gap/Afton Room)

At-home wildlife rehabilitators face a number of challenges – one fundamental challenge can be successfully and safely managing the admission and care of patients on your own! How do wildlife rehabilitators manage to work alone and get things done? Join us for this interactive roundtable discussion on flying solo. A panel of rehabilitators will be available to kick off the discussion, but we want to hear everyone's tips and tricks!

Leslie Sturges, Curt LeVan, and Lynn Oliver

B. Raccoon Rehabilitation *(Blue Ridge Ballroom left)*

Wildcat Creek Wildlife Center raises 100 - 140 orphaned raccoons annually. This presentation will cover diet guidelines, vaccine protocols, antiparasitics, housing, enrichment, release considerations and site selection.

Denise Hays, dlhays59@hotmail.com

C. Avian Bandaging [1:50 PM – 4:50 PM] *(Blue Ridge Ballroom right)*

This workshop will cover avian fracture stabilization techniques for rehabilitators. This session will also explore the range of materials available and their uses. The practical section will use cadavers of various avian species, highlighting species-specific issues and using creative stabilization to reduce stress and increase the release possibilities.

Dr. Lynn Miller, lmiller@fundforanimals.org

2:50 PM – 3:50 PM – SESSION 5

A. WILD-ONE: A Four-Year Summary of Amazing Rehabilitation

Record-keeping *(Rockfish Gap/Afton Room)*

WILD-ONE is a free online patient management system designed specifically for the wildlife rehabilitation community. The project goals are to: 1) build an online patient record system allowing wildlife rehabilitators to more quickly and accurately record and access patient information; and 2) consolidate basic patient information entered from participating sites to create an extensive database that can be used for monitoring trends in wildlife health and natural history. To date, more than 170,000 patients have been entered into the WILD-ONE database, giving us amazing insights into the animals seen by wildlife rehabilitators. This talk will summarize observed trends and discuss how the information might be used and how rehabbers can participate.

Dr. Dave McRuer, dmcruer@wildlifecenter.org

B. Bringing Up Baby Bats [2:50 PM – 4:50 PM] (Blue Ridge Ballroom)

Learn about raising bats from soup to nuts! Bats cause great consternation for many rehabbers because they are one of the smallest mammals, are incredibly intelligent, and grow like songbirds. In the rehab community, there is conflicting information about diets, housing, and release. This talk will address common questions, like “what is it?”, “what do I feed it?”, “why isn’t it flying yet?”, and “can I ever release it?”.

Leslie Sturges, lsturges@savelucythebat.org

4:00 PM – 5:00 PM – SESSION 6

Monitoring Virginia’s Amphibians and Reptiles (Rockfish Gap/Afton)

With more than 84 species of amphibians and 66 species of reptiles, Virginia has an especially rich herpetofaunal heritage. Yet, more than one third of species are threatened by habitat degradation and loss, unsustainable use, pollution, and disease. Working with universities and other institutions, NGOs and federal and state partners, the Virginia Department of Game and Inland Fisheries is supporting research to surveil, assess, and monitor the conservation status of more than a dozen species or communities of amphibians and reptiles in the Commonwealth. Tom Akre, a wildlife ecologist at the Smithsonian Conservation Biology Institute, will present an overview of several of these projects, including species of all major taxa from across Virginia.

Ellery Ruther, RutherE@si.edu

SUNDAY

7:45 am– 8:30 am: Registration

8:30 AM – 10:00 AM – SESSION 1

Wildlife First Responders (Blue Ridge Ballroom)

This presentation provides information and guidelines on wildlife triage. When a wild animal is brought to a rehabilitation center, an important and careful decision must be made (based on the severity of the animal’s injuries) on whether to treat or humanely euthanize. Through case studies, this presentation walks rehabilitators through the process of wildlife triage, indications for euthanasia, and the basics of emergency stabilization and supportive care.

Dr. Karen Alroy, kalroy01@gmail.com

B. Lead in Wildlife (Rockfish Gap/Afton Room)

A wide range of species admitted to rehabilitation centres are impacted by lead ingestion, with sources ranging from ballistics and fishing gear to building materials. The resulting toxic assault may result in a range of responses from mild symptoms to death. This presentation will review the sources of lead, the species impacted, species tolerances, lead testing and treatment, and potential outcomes. The protocols developed at the Lead Conference 2015 being hosted by the Cape Wildlife Center will be reviewed.

Dr. Lynn Miller, lmiller@fundforanimals.org

10:10 AM – 11:10 PM – SESSION 2

A. Zoonotic Diseases of Concern (Blue Ridge Ballroom)

This lecture will provide an overview of the main zoonotic diseases of concern that can be contracted from our wildlife patients. The class will cover organisms from mammals, reptiles, and birds. The review of each disease will include signs and symptoms in animals and people, where it is found, and how it can be prevented or treated. A brief review of avian influenza over the past year will also be included.

Dr. Will Sander, wesander85@gmail.com

B. Common Wound Successes Case Study (Rockfish Gap/Afton Room)

This presentation will highlight the amazing healing powers of the wildlife we work with! Discussion will focus on two interesting, successful wound cases that came through the doors at Woodlands Wildlife Refuge. One was a fox with a foot trap injury, and the other a fox with a large facial injury. Photos and details about these cases will include the entire treatment process.

Heather Freeman, hfreeman610@gmail.com

11:20 AM – 12:05 PM – SESSION 3

A. Wildlife Crimes (Rockfish Gap/Afton Room)

This presentation will provide rehabbers with a basic overview of wildlife crime investigations. The information shared will reflect what rehabbers should be on the lookout for and what information is important to retain in order to help solve a wildlife crime.

Chance Dobbs, carl.dobbs@dgif.virginia.gov

B. Honey in Wound Management (Blue Ridge Ballroom)

This lecture will cover the properties of honey, types and preparations of honey for medical use, and current medical uses of honey in wound management.

Dr. Cristin Kelley, ckelley@tristatebird.org

LUNCH AND NETWORKING 12:05 PM – 1:05 PM

1:15 PM – 2:45 PM – SESSION 4

A. Education Program Basics: How to Get Started (Rockfish Gap/Afton Room)

One of the most important aspects of wildlife rehabilitation is prevention; we can help wild animals avoid the need for care by educating the public about wildlife. Education programs at schools and public venues can be important tools for educating and engaging your community. This class will explore what individual rehabilitators need to begin an outreach and education program that uses live animals. We'll cover logistics, program themes, animal selection, and the permitting process. At the end of this class, you should have a clear idea about how to start a small-scale education program.

Raina Krasner, rkrasner@wildlifecenter.org

Perfecting Your Physical Exam (Blue Ridge Ballroom)

This session will provide a lecture and hands-on laboratory, highlighting the intricacies of performing physical exams on species such as songbirds, raptors, wild mammals, and reptiles. The lecture will outline how to perform a thorough and complete physical exam, with additional information regarding how to identify common injuries seen in a wildlife rehabilitation setting. The laboratory will include cadaver examples of common injuries that can be detected on physical exam, such as luxations, fractures, and turtle aural abscesses.

Dr. Dana Franzen, dfranzen@wildlifecenter.org

2:55 PM – 4:10 PM – SESSION 5

The One and the Many: Ethical Implications of Wildlife in Captivity

(Blue Ridge Ballroom)

The North American Model of Wildlife Conservation requires that we preserve wildlife for the public trust, sustaining wildlife for current and future generations. But what of our obligation to the wildlife itself? In this workshop we'll explore together the ethical implications of wild individuals in rehabilitation, education, and research.

Dr. Tamara Johnstone-Yellin, tyellin@bridgewater.edu

SPEAKERS

Dr. Karen Alroy is a public health veterinarian with a background in global health and biodiversity. She received her DVM and MPH from Tufts University. Karen has been granted numerous scholarships and awards for academic achievement, public health research, and service to the community. Karen gained knowledge and experience working with wildlife and non-domestic species from the Tufts University Wildlife Clinic, the National Aquarium in Baltimore, the Wildlife Health Center at U.C. Davis, and the Southeastern Cooperative for Wildlife Disease Study at University of Georgia. She conducted advanced clinical training in small-animal emergency medicine as an intern at Friendship Hospital for Animals in Washington, D.C, and advanced training in global health research as a Fogarty Scholar affiliated with Johns Hopkins University. Currently, Karen works as a veterinarian at City Wildlife, an urban wildlife rehabilitation center in Washington, DC. At City Wildlife, in addition to treating orphaned, injured and ill wild animals, Karen enjoys teaching and training volunteers and being involved in public stewardship of the environment. She has strong interests in the connections between human, animal, and environmental health and conducts research on infectious disease and epidemiology. Karen also holds a position at the Division of Environmental Biology at the National Science Foundation, where she promotes multidisciplinary and science diplomacy.

Samantha Christie studied Wildlife Conservation and Agriculture and Natural Resources at the University of Delaware. Her career at Tri-State Bird Rescue began in 2009 as a volunteer. Volunteering turned into an internship and the internship turned into working as a supervisor in the Wild Bird Clinic for two years. She joined the Oil Program fulltime in 2013 and has since responded to more than a dozen oil spills affecting wildlife and has presented oiled wildlife topics at many workshops, conferences, and meetings.

Jessie Cole has been a wildlife rehabilitator at Rockfish Wildlife Sanctuary (RWS), located in Nelson County, VA, since 2008. After graduating from Christopher Newport University, where she majored in Biology and minored in Anthropology, Jessie began apprenticing under Nathou Attinger at RWS. She is currently the sanctuary's only full-time employee; in addition to wildlife rehabilitation, Jessie is also in charge of intern and volunteer training, as well as numerous education outreach programs. In the past, Jessie has volunteered at the Wildlife Center of Virginia, where she was able to obtain further knowledge of raptor rehabilitation and training for education purposes. This year, RWS was able to build and move into a brand new facility, also located in Nelson County, of which she feels incredibly lucky to be a part.

Meagan Demeter attended the University of Delaware, receiving a B.A. in Environmental Science with a concentration in sustainability and society. She worked in a zoo with raptors and other birds for a number of years but moved to the rehab world in 2014 as a supervisor in Tri-State's Wild Bird Clinic. In her free time Meagan loves to watch Philly sports.

Virginia Conservation Police Officer **Chance Dobbs** grew up hunting and fishing in the mountains of Virginia. With a passion for the outdoors he began to pursue a career in wildlife law enforcement. He received a biology degree from Bridgewater College and joined The Virginia Department of Game and Inland Fisheries Law Enforcement Division in 2008. Officer Dobbs is currently assigned to Augusta County as a Conservation Police Officer (formerly Virginia Game Warden). In addition to patrol, Officer Dobbs currently serves as an instructor for the department's firearms and man-tracking cadres.

Dr. Dana Franzen graduated from Luther College in 2009 with a BA in biology. She then studied at the University of Wisconsin-Madison School of Veterinary Medicine from 2009-2013. During the summer of 2010, she participated in the Envirovet Summer Institute - a course focused on the role veterinarians can play in wildlife conservation. After participating in this program, she decided zoo/wildlife medicine was the area in which she wanted to dedicate her career. During her fourth year of veterinary school, she spent time at the International Crane Foundation, the Indianapolis Zoo, the Georgia Sea Turtle Center, and the San Diego Zoo Safari Park. Immediately after graduating from veterinary school, Dr. Dana completed a small-animal rotating internship at VCA Veterinary Care Animal Hospital and Referral Center in Albuquerque, New Mexico. She also spent some time at the Rio Grande Zoo and worked with the USFWS Mexican grey wolf recovery program. In the summer of 2014-2015, she worked as a small-animal veterinarian in the Minneapolis/St. Paul Minnesota area, and also volunteered at the Wildlife Rehabilitation Center of Minnesota. Dr. Dana began her one-year veterinary internship at the Wildlife Center of Virginia in July 2015. She is looking forward to sharing her knowledge and experiences with veterinary students, and is even more excited to advance her veterinary skills during the next year. She is most excited to work with black bears and raptors.

Heather Freeman is the Wildlife Care and Volunteer Supervisor and a licensed wildlife rehabilitator at Woodlands Wildlife Refuge in New Jersey. She holds a bachelor degree in biology and has experience working with mammals and reptiles, including small mammals, venomous snakes, turtles, rabies vector species, and potentially dangerous species such as black bears and bobcats. Heather is experienced in fluid therapy, wound care, gavage, basic shell repair, and more. At Woodlands, Heather also supervises, schedules, and trains volunteers and interns.

Denise Hays is assistant director of Wildcat Creek Wildlife Center, Inc. She has been rehabilitating all species of wildlife since 1999 and has been a member of National Wildlife Rehabilitators Association since 2000. Denise acts as the senior coyote and raccoon team leader, volunteer coordinator, and is in charge of the internship program for the center. Denise also owns and operates Wildways: Humane Wildlife Choices, a non-lethal wild animal control company.

Dr. Helen Ingraham is the veterinary fellow at the Wildlife Center of Virginia. She spent her high school years volunteering in the Plains Biome at the Indianapolis Zoo and picked up giraffe, rhino, and lion poop. She then obtained her biology degree at Purdue University in West Lafayette, Indiana. After veterinary applications threw her a curve ball, she decided to switch gears and become a zookeeper. She spent two wonderful years at the Palm Beach Zoo in Florida picking up tiger, giant anteater, and American Black Bear poop. Dr. Helen then got accepted to veterinary school at Purdue University and returned to her old stomping grounds. Needless to say, she is a huge Purdue Boilermaker fan! During her time at veterinary school, Dr. Helen was fortunate to travel to Tanzania with the Envirovet program, help develop a canid vaccination protocol for the Woodland Park Zoo, research California Condor analgesia at the San Diego Zoo Safari Park, and ultrasound bottlenose dolphins at the Indianapolis Zoo. After graduating in May 2012, she was chosen to be the wildlife veterinary intern at the Clinic for the Rehabilitation of Wildlife in beautiful Sanibel, Florida. Dr. Helen really enjoyed her time working with amazing Florida wildlife, including sea turtles, brown pelicans, alligators, herons, and bobcats. As the Wildlife Center of Virginia's two-year veterinary fellow, Dr. Helen is very excited to be able to teach and train students again and to work with Black Bears! Her interests in veterinary medicine include anesthesia and analgesia.

Dr. Tamara L. Johnstone-Yellin is an Assistant Professor of Biology at Bridgewater College in Virginia. She did her graduate work at Washington State University on nutritional ecology and sex allocation in cervids. She teaches courses in ecology, wildlife management, mammalogy and wildlife ethics. She is also a member of the Forest Ungulate Research Network, an international consortium of foresters and ecologists collaborating on global forest-herbivore management issues.

Dr. Cristin Kelley completed her DVM at Tufts University in 2012. She then went on to complete a one-year rotating internship in small-animal medicine and surgery at Angell Animal Medical Center in Boston, MA. She then completed a one-year wildlife rehabilitation internship at the Tufts Wildlife Clinic. Prior to veterinary school, Cristin worked as a veterinary technician at the International Crane Foundation in Baraboo, WI. Cristin is currently the staff veterinarian at Tri-State Bird Rescue in Newark, DE.

Dr. Megan Kirchgessner has been the State Wildlife Veterinarian of Virginia for the past four and-a-half years and has worked on a variety of wildlife-health related issues, including chronic wasting disease surveillance, avian influenza surveillance, elk translocation, fish health management at state trout hatcheries, and protocol development for improved animal handling techniques while in the field. She graduated from the Cornell College of Veterinary Medicine and completed a small-animal emergency internship, followed by an internship in zoological medicine at the Louisiana College of Veterinary Medicine. She worked for two years as a staff veterinarian at the New England Wildlife Center before deciding to return to school to obtain her PhD in wildlife management. The focus of her PhD research involved the interspecific transmission of bovine viral diarrhea and Q-fever between domestic livestock and white-tailed deer. Outside of work, Megan enjoys running, reading, cooking, traveling, and playing with her dog Peekay.

Dr. Kelli Knight graduated from Virginia Tech with a Bachelor of Science in biochemistry and from the Virginia-Maryland Regional College of Veterinary Medicine with a Doctorate in Veterinary Medicine. She first came to the Wildlife Center of Virginia in 1995 as a veterinary extern. After a successful career in small-animal practice, she returned to WCV in 2011 to complete a wildlife rehabilitation externship and fell in love with the field of wildlife rehabilitation! In 2012, Dr. Kelli joined the staff at the Wildlife Center of Virginia and has held several positions including wildlife rehabilitation intern, wildlife rehabilitator, and, currently, the assistant director of veterinary services. Her duties include overseeing the veterinary department and staff in the director's absence; training and supervising the rehabilitators, apprentices, rehabilitation interns, rehabilitation externs, and animal care volunteers; overseeing the rehabilitation of all animals at the Center; serving as a liaison between WCV and Virginia permitted rehabilitators; and teaching rehabilitation classes and speaking at conferences. In 2013, Dr. Kelli became a certified wildlife rehabilitator after passing the International Wildlife Rehabilitation Council's certification program. Currently, there are fewer than 100 certified wildlife rehabilitators in the world. She is also an IWRC instructor and a member of NWRA's national team. Dr. Kelli lives in Waynesboro and spends her free time at her home away from home in Blacksburg, cheering on her Hokies at football and basketball games.

Raina Krasner grew up in the city of Pittsburgh until her family relocated to the seaside-suburbs of Ocean County, New Jersey. At an early age, Raina developed a love for exploring the natural world, as well as a deep appreciation of and respect for wildlife. While pursuing a degree in art and liberal studies at Rutgers University, and eventually Stockton College, Raina took courses in wildlife studies to better develop her understanding of the natural world. During and after college, Raina spent several years working for large and small legal and education non-profit organizations, developing her business sense and client relations skills. After accepting a position as a naturalist at Cattus Island County Park in Toms River, New Jersey, Raina realized her true passion of caring for wildlife and teaching people about human-wildlife interactions. Following that passion, Raina relocated to Virginia in August 2012 to begin her career as an outreach coordinator at the Wildlife Center. As outreach coordinator, some of Raina's responsibilities include scheduling and conducting public education programs, posting patient updates on the Wildlife Center website, and participating in the moderated discussions aligned with the "Critter Cam".

Curt LeVan lives on a small farm in Fort Valley, Virginia where he founded the Fort Valley Wildlife Center, which focuses on the rehabilitation of owls and hawks. He previously volunteered with the Raptor Conservancy of Virginia and apprenticed with Bat World NOVA and the Wildlife Center of Virginia. Curt received further training at The Raptor Center in Minnesota and is a member of the National Wildlife Rehabilitators Association.

Dr. Dave McRuer is the director of veterinary services at the Wildlife Center of Virginia. He obtained a B.Sc. in biology at Mount Allison University in Sackville, New Brunswick (1999), and then a M.Sc. in ecology and evolutionary biology from Carleton University in Ottawa, Ontario (2001). From 2001-2005, Dr. Dave attended the Atlantic Veterinary College and acquired his veterinary degree. After graduating, he went west to conduct an internship in zoological medicine, exotics, and wildlife at the Western College of Veterinary Medicine in Saskatoon, Saskatchewan (2005-2006). Dr. Dave then traveled east (August 2006) to become the veterinary resident in preventative medicine at the Wildlife Center of Virginia. Dr. Dave became a Diplomat in the American College of Veterinary Preventative Medicine in August 2009. Since 2008, As the Center's director of veterinary services, Dr. Dave trains veterinarians and veterinary students in wildlife and conservation medicine. He is responsible for overseeing the teaching hospital, supervising the creation of an innovative software program designed to monitor trends in wildlife health (WILD-ONE), and treating and supervising treatment on native wildlife.

Dr. Lynn Miller's academic studies have focused on the impact we are having on our world, specifically avian species. Her research for both her graduate diploma in ecotoxicology and PhD focused on the impact of oil spills and the attendant avian acute phase response. By monitoring the acute phase proteins in the aftermath of crude oil ingestion, biological outcomes can be predicted, allowing triage to focus on those individuals that have greater chances of surviving and continuing to breed effectively. In 1994, Lynn founded Le Nichoir Wildlife Bird Rehabilitation Center in Quebec. She is also an International Wildlife Rehabilitation Council (IWRC) course developer and instructor, former board member and past president. She is currently Director of Wildlife Rehabilitation at the Cape Wildlife Center in Barnstable, Massachusetts, a HSUS facility.

Ellery Ruther is a contractor for the Smithsonian Conservation Biology Institute in the Virginia Working Landscapes (VWL) lab. Ellery's interests are primarily focused on ecology and conservation, and she is particularly passionate about reptiles and amphibians. Ellery began working for Dr. Thomas Akre in 2011 during college, when she served as a field technician for his wood turtle nesting ecology study for two summers. During this time, she completed a five-month academic term abroad at Heidelberg University in Germany. During her free time at Heidelberg, she aided in the survival of amphibians during their seasonal migration. In 2013, Ellery completed an undergraduate honors thesis analyzing wood turtle nest site selection using model ranking techniques in program R. She then graduated from Longwood University with a Bachelor of Science in Biology. Ellery now serves as the lab manager for the wood turtle projects in the VWL lab. This includes training and leading a field team to radio-locate and monitor wood turtle populations, managing and analyzing data for scientific papers, and working with landowners and government agencies for the management and conservation of wood turtles.

Dr. Charles Rupprecht received his BA in ecology in 1977 from Rutgers University, his MS in zoology in 1980 from the University of Wisconsin, his VMD in 1985 from the University of Pennsylvania and his PhD in biological sciences in 1986 from the University of Wisconsin. He completed postdoctoral work under Tadeusz Wiktor and Hilary Koprowski at the Wistar Institute in Philadelphia, where he was employed until 1992, attaining the rank of Associate Professor, until employment as an Associate Professor in the Department of Microbiology at Thomas Jefferson University. During 1993, Dr. Rupprecht was recruited to the Centers for Disease Control & Prevention, where he was the Chief of the Rabies Program, Director of the World Health Organization Collaborating Centre for Reference and Research on Rabies, and Head of the U.S. Rabies Reference Laboratory for OIE. During 2012 he joined the Global Alliance for Rabies Control as Director for Research. He was recruited to the Ross University School of Veterinary Medicine in 2013, where he was a Professor in Epidemiology & Public Health, Director of the Center for Conservation Medicine & Ecosystem Health, and Associate Dean for Research until 2014. Currently he is the CEO of LYSSA LLC as a biomedical consultant and is an Adjunct Professor at the Wistar Institute.

Over the past 35 years, he has received numerous academic awards, co-authored more than 350 peer-reviewed articles, several books, numerous book chapters and hundreds of abstracts on rabies and other viral diseases. Dr. Will Sander's veterinary studies included work at wildlife centers in Ithaca, Raleigh, Boston, and Seattle, as well as with the start-up of a new wildlife center in Madison. His grounding in clinical medicine has included several years in veterinary practice focused on small animal/exotics. Desiring to achieve a broader impact, his interests turned from clinical wildlife and zoo medicine to a broader policy/public health perspective, addressing issues at the intersection between international sustainable development and wildlife conservation and disease management, which led to his MPH in global health. In addition to his work at City Wildlife, Will was an AAAS Science and Technology Policy Fellow in EPA's Office of Water. Currently, he is a Veterinary Specialist Senior Consultant for Booz Allen Hamilton in support of the Department of Defense's international country health system assessments for both animal and human health. When possible, he loves to travel with his wife to new and exciting locations. Will received his bachelor's degree at Colby College, his DVM at University of Wisconsin-Madison, his Masters in Public Health at Yale University, and is board-certified in veterinary preventive medicine. Steve Simpson grew up in Knoxville, TN, graduated from East Tennessee State University in 1974 with a BS Degree in Environmental Health, and worked for the South Carolina Department of Health (Food Protection Program) from 1975 until 1978. Steve then took a management position in the fast-food industry for several years, until overwork/overstress led him to take a job working with a land surveyor in Southwest Virginia. In June of 1984, Steve took an Environmental Health Specialist position with the Virginia Department of Health in the Lynchburg area. Since that time, Steve has worked in the rabies, food safety, onsite sewage disposal, water supply and general Environmental Health programs. He became the District Environmental Health Manager in 2007 and now manages a staff of 19 EH specialists. Between these fulltime occupations, Steve also runs a Tae Kwon Do school, has worked as a registered private investigator conducting insurance fraud investigations, and worked part-time as a yoga instructor. He frequently finds that skills developed in these part-time occupations transfer directly into his work as an EH Manager. Leslie Sturges is the director and founder of The Save Lucy Campaign, a nonprofit organization formed to raise awareness of North American bats and their conservation. Leslie has been rehabilitating bats and educating the public about bat conservation for more than 14 years. She is also a professional park naturalist and former zookeeper with almost 20 years of experience educating audiences of all ages about science and natural history.

Door Prizes Generously Donated by:

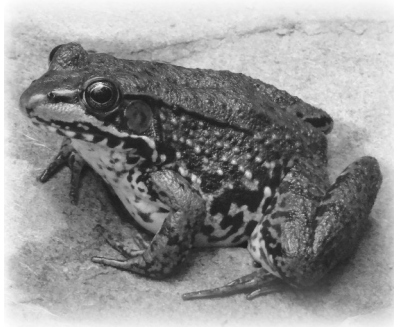
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Class Materials Handouts from the 2015 Call of the Wild conference can be found here: <http://tinyurl.com/q3sb7eg> This link will remain active until the end of 2015. Online conference evaluation: <https://www.surveymonkey.com/r/callwild>

Contact Us The Wildlife Center of Virginia invites you to share your thoughts, ideas, and suggestions. Feel free to contact, at any time: The Wildlife Center of Virginia P.O. Box 1557 Waynesboro, VA 22980 Phone: 540-942-9453 Fax: 540-943-9453 wildlife@wildlifecenter.org Website: www.wildlifecenter.org Hours of Operation: 9:00 am - 5:00 pm, 7 days a week An on-call veterinarian is available after hours for medical emergencies at 540-241-4045. See you next year! Join us November 2016 for the 21st annual Call of the Wild Conference



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