

Colorado Council for Wildlife Rehabilitation
 c/o Raegan Morgan, Outreach Chair
 1913 Glenview Drive
 Berthoud, CO 80513



COLORADO COUNCIL FOR WILDLIFE REHABILITATION



2007 Education Symposium

February 9-11

Westminster, Colorado



General Information

Ongoing education is the name of the game at this year's symposium. The CCWR 2007 Education Symposium is an opportunity for wildlife rehabbers, their volunteers and interested members of the public to learn from acknowledged experts in the field of Wildlife Rehabilitation in Colorado. Over a two-day weekend you can listen to lectures, talk to specialists and have the opportunity to network and learn from fellow rehabbers. Lunch and breakfast will be provided both days, with vegetarian options available.

Lectures, supported by PowerPoint presentations, will be given by wildlife veterinarians, licensed rehabilitators, and qualified professionals. Notes and handouts from the speakers will be included in the Delegate Registration Packet provided at check-in.

Continuing Education (CE) Credits

The Colorado Association for Certified Veterinary Technicians has approved the CCWR 2007 Education Symposium for 13 CE hours under the technical category for CVTs. A "Certificate of Attendance" for the symposium will be provided at the end of the meeting to those requesting this documentation for their personal records.

Associated Events

Welcome Reception & Door Prizes — Friday, February 9, 5:30 – 7:00 PM, Residence Inn by Marriott, Westminster.

Please come and join your CCWR Board of Directors for a

glass of wine or a soft drink, if you prefer, and hors d'oeuvres at the Residence Inn by Marriott in Westminster. Take time to unwind from a busy week, relax with like-minded folks and rejuvenate your enthusiasm and passion for wildlife rehabilitation. Make time for YOU (unusual we know!), and make the most of this opportunity to share and learn.

Annual CCWR Membership Meeting — Saturday, February 10, 1:00 – 1:30 PM, Community Senior Center, Westminster – Grand Ballroom.

Don't miss this opportunity to hear in person how your organization is doing. Meet CCWR board members, ask questions, and learn about our new look, what we've done and what's on the horizon.

Remember, the purpose of CCWR is to serve wildlife rehabilitators in Colorado. You told us what you wanted in the recent survey – share some more!

"Unofficial" Symposium Dinner — Saturday, February 10, 5:00 PM, Joe's Crab Shack, Westminster

It's "unofficial" because the tab is on you! However, we've negotiated a party discount so we can all get together, have a drink and a bite to eat, relax and enjoy ourselves amongst huge inflated sharks, crabs and other seaside paraphernalia not usually found along the Front Range in Colorado!

Symposium Location

The symposium will take place at the Community Senior Center in Westminster. Located just off US 36 at 3295 West 72nd Avenue, it is a short drive from many lodging options and restaurants.

Dates:	Friday – Sunday, February 9-11, 2007
Location:	Community Senior Center 3295 West 72nd Ave Westminster, CO
Welcome Reception:	Friday, February 9, 5:30-7:00 PM Residence Inn by Marriott
Symposium Check-In:	Saturday February 10, 7:30-8:30 AM, with continental breakfast
Symposium Times:	Saturday, February 10 8:30 AM to 4:15 PM & Sunday, February 11 8:30 AM to 4:15 PM
Major Focus:	Avian and mammal rehabilitation
Cost:	\$40/CCWR members \$50/Non-members

Lodging

CCWR has negotiated a special discount hotel rate for attendees at the 2007 Education Symposium at the Residence Inn by Marriott and the Hilton Hampton Inn, both located in Westminster and a short 10 minute drive from the event location. It is \$79.99/night (plus tax) per room. The Residence Inn is smoke-free and the rooms include a King-size bed, sofa-bed and kitchenette area (microwave, refrigerator and cooking facility). The Hampton Inn offers non-smoking rooms with double Queen-size beds. Both hotels provide complimentary breakfasts.

Call before January 8, 2007 to reserve your room. Ask for the "CCWR" special rate. After this date, the special rate may not be available.

Residence Inn by Marriott
5010 West 88th Place
Westminster, CO 80031
Reservations (303) 427-9500

Hilton Hampton Inn
5030 West 88th Place
Westminster, CO 80030
Reservations (303) 427-0700

Need a Roommate?

If you would like to share a hotel room with another conference attendee, please let us know on your registration form, and we will put you in touch with potential roommates. We will **not** make the reservations for you, and if your request is received after the January 8, 2007 hotel reservation deadline, the reduced room rate may not be available to you.

Registration

CCWR members receive a registration discount. Full symposium cost is \$40 for current CCWR members and \$50 for non-members. Registrations must be received by January 25, 2007. After this date, the cost will be \$45 for members and \$55 for non-members. Registration fees include a delegate binder stuffed

Topics Covered (subject to change):

- Critical Care and Emergency Treatment for Wildlife
- Zoonoses Update: What's Waiting in the Woods?
- Common Wildlife Diseases in Colorado: Identification, Treatment and Control
- Comparative Anatomy of Birds and Mammals
- Reducing Antibiotic Resistance in Wildlife
- Wildlife Nutrition Basics
- Clarifying CDOW Policy Guidelines for Sponsors and Provisional Wildlife Rehabilitators
- Small Mammal Caging: Design Criteria and Construction Demonstration
- Avoiding Nutritional Disorders in Passerines
- Tips & Tricks for Passerine Rehabbers
- Common Squirrel Health Problems
- Tips for Reducing Cottontail GI Problems

with useful articles and notes from the presenters; breakfast, lunch and snacks both days and choice of hot and cold beverages throughout the symposium.

Information

If you need additional information about the symposium, please e-mail us at: ccwr_4_members@msn.com, or call Deirdre Butler at 303-823-8649.



Presentations

Subject to change

Critical Care and Emergency Treatment for Wildlife — Mackenzie Goldthwait, DVM

Recent research on Colorado rehabilitation records confirmed what experienced rehabilitators have seen in their own experience. In the research sample, 83% of the birds and 63% of the mammals that died while in rehabilitative care did so in the first four days. This session will describe essential emergency care for shock, dehydration, bleeding and more to help wild animals survive those crucial initial days.

Zoonoses Update: What's Waiting in the Woods — John Pape

This will provide an epidemiological overview of important zoonotic disease in Colorado, current trends, recent outbreaks and investigations and any emerging diseases that may impact Colorado.

Common Wildlife Diseases in Colorado: Identification, Treatment and Control — Mackenzie Goldthwait, DVM

Wild animals can carry a variety of diseases and parasites. Early identification, treatment and effective control can help reduce problems for animals and rehabilitators. This session will describe several wildlife diseases and parasites that rehabilitators may see in wildlife admitted for care, such as Distemper, Parvovirus, Pox, Coccidia, Giardia, Roundworm, and Mange. Identification and treatments will be described, as well as procedures to control infection and prevent transmission.

Comparative Anatomy of Birds and Mammals — Judy Scherpelz

A basic knowledge of anatomy is critical in providing quality care to an injured animal. The life of a rehabilitator typically includes admitting species outside of their general expertise. Don't panic — looking at basic similarities and differences in anatomy can help you develop a plan of care to stabilize and begin treatment while you are seeking out the additional expertise you may need. This presentation will explore the similar-

ties and differences in anatomy between birds and mammals, with tips along the way on how to approach issues of stabilization and treatment.

Reducing Antibiotic Resistance in Wildlife — Mackenzie Goldthwait, DVM and Shirley Casey

The World Health Organization considers antibiotic resistance in people to be one of the top three global health problems. Research shows that this is also a growing problem with animals. This session will discuss causes for the growing resistance to antibiotics and practical suggestions for actions that rehabilitators can take to reduce problems for wildlife and humans.

Wildlife Nutrition Basics — Nancy A Irlbeck, PhD

Come and listen to a story on how exciting nutrition can be! Before one attempts to feed any animal — sick or healthy — there are a few nutrition fundamentals that are of primary importance. Questions addressed in this presentation include: 1) dietary preferences including carnivores, herbivores and omnivores; 2) digestive tract physiology — just how it all gets broken up; 3) idiosyncrasies of nutrients — and no, it is not boring; 4) deficiencies and toxicities — things that make you go wow, awwwwwah and yikes; and 5) pulling it all together to end the story. Mammals of all persuasions, reptiles and birds will be addressed using domestic livestock, companion animal and zoo animals as examples. We promise you will not be bored.

Clarifying CDOW Policy Guidelines for Sponsors and Provisional Wildlife Rehabilitators — Kathy Konishi

There have been an increasing number of questions and difficulties related to sponsoring new provisional rehabilitators in the last several years. Consequently, Kathy Konishi, the CDOW Special Licensing Manager responsible for rehabilitation licenses, has prepared policy guidelines to clarify this process for sponsors and provisionals. These will also be on the Special

Licensing website:

<http://wildlife.state.co.us/RulesRegs/SpecialLicenses/Applications/Applications.htm> by January 1, 2007. This presentation will focus on those guidelines and be helpful for sponsors, provisionals and people considering applying for a wildlife rehabilitation license.

Small Mammal Caging: Design Criteria and Construction Demonstration — Allan Casey

Caging is an essential part of rehabilitating wildlife. This session will describe basic cage criteria, including determining the appropriate space for the animal's size, development, socialization and health; safety for animals and caregiver; sanitation; placement; and more. The session will describe cage designs and construction tips for safe, easy to build, and cost-effective cages.

Avoiding Nutritional Disorders in Passerines — Nancy Kelly

This session will describe potential nutritional problems in passerines and how to avoid them. Natural diets plus supplements will be discussed. Several passerine diets that are being used effectively around the country will be reviewed, such as the Mac Diet and FONS diet.

Tips and Tricks for Passerine Rehabbers — Nancy Kelly

This presenter has been a highly respected and effective passerine rehabilitator for 15 years. She has col-

lected a wide range of helpful tips for rehabilitating passerines from rehab training and conferences as well as 20 years of personal experience with exotic birds. This session will include many different tips and tricks for working with passerines, including getting birds to eat on their own.

Common Squirrel Health Problems — Shirley Casey

Squirrels arrive in rehabilitation with a variety of health problems. While rehabilitators may easily identify some of the conditions, others may be less obvious. This session will describe 20 health conditions in squirrels, including head trauma, urinary infections, and gastrointestinal disorders. Potential conventional and holistic treatment options will be described.

Tips for Reducing Cottontail GI Problems — Beth Bridges

Cottontail rehabilitation poses many challenges. Ninety percent of all problems of rehabilitating cottontails can be linked to the cottontail's extremely sensitive gastrointestinal tract, which differs greatly from that of other small mammals. Understanding the cottontail gastrointestinal tract is therefore critical for successful rehabilitation of this species. We will cover the gastrointestinal tract in detail including, stress issues, feeding, diet, handling, and medical techniques that can all help keep the cottontail gastrointestinal system healthy during rehabilitation.

Speakers

BETH BRIDGES, licensed since 2004, holds a degree in Animal Behavior and Molecular Genetics from Reed College, Portland, OR. She has worked in small animal medicine at veterinary clinics in NY, OR, and CA. She began working for Greenwood Wildlife Rehabilitation Sanctuary in 2003 and became their Animal Care Manager in 2004. During her three years with Greenwood, she oversaw the rehabilitation of thousands of animals including passerines, waterfowl, and small mammals. She has personally rehabilitated close to 800 cottontails since 2003 with a release rate of 70%. As of 2006 Beth serves on the Board of Directors for the Colorado Council of Wildlife Rehabilitators.

SHIRLEY CASEY has been a licensed rehabilitator since 1986. She and her husband Allan have rehabilitated 1900+ squirrels of 24 species and are authors of the 270-page *Squirrel Rehabilitation Handbook* available at www.Ewildagain.org. She is co-founder of WildAgain Wildlife Rehabilitation in Evergreen, Colorado. Shirley has presented on wildlife rehabilitation at rehab and veterinary conferences around the US and writes for many rehabilitation and veterinary publications. Email: ewildagain@aol.com

ALLAN CASEY has been a licensed rehabilitator since 1986. He is co-founder of WildAgain Wildlife Rehabilitation in Evergreen, Colorado. He has presented



and published on rehabilitation caging, mammal nutrition, squirrel rehabilitation husbandry and caging, state wildlife rehabilitation regulations and 501c3 non-profit management. He has worked with over 40 rehabilitators around the country in obtaining their state and federal 501c3 tax-exempt nonprofit status. Email: ewildagain@aol.com

MACKENZIE GOLDTHWAIT, DVM, graduated from Tufts University School of Veterinary Medicine in 1989 with a special interest in wildlife medicine. She was the wildlife veterinarian at the Cape Wildlife Center in MA for 18 months. Dr. Mackenze currently is a veterinarian at Annie's Animal Hospital in Highlands Ranch, Colorado and works with small animals and wildlife. She also provides training for rehabilitators and veterinary students on wildlife health.

NANCY A IRLBECK, PhD, Associate Dean of Academic Affairs for the College of Agricultural Sciences at Colorado State University trained as an animal nutritionist and came to Colorado State University in January 1990 in a primarily teaching appointment. She taught multiple animal nutrition courses as a professor in the Department of Animal Sciences for 15 years and the College of Veterinary Medicine for 14 years. For the last year and a half she has served as the Associate Dean for Academic Affairs in the College of Agricultural Sciences. Dr. Irlbeck has served as the Consulting Animal Nutritionist at the Denver Zoo for 15 years and has written a textbook in Companion Animal Nutrition. Even though she has assumed an administrative role, Dr. Irlbeck still teaches online classes in pet and zoo nutrition and continues her consulting.

NANCY KELLY, Executive Director for Second Chance Wildlife Rehab Center in Pueblo, Colorado, has been a licensed rehabilitator for 15 years specializing in all birds other than raptors. She is a member of CCWR, IWRC and NWRA and has been a speaker at both IWRC and NWRA. Nancy has a bachelor's degree in biology from the now CSU Pueblo and founded Second Chance Wildlife Rehab Center in Pueblo in 1995. Nancy has co-authored papers for

Homeopathy Today and contributed to papers in the NWRA conference proceedings.

KATHY KONISHI, CDOW Special Licensing Unit Manager, began her tenure with the Division of Wildlife in 1988. She developed the CDOW Special Licensing Unit that is responsible for licensing those who are in possession of live wildlife. This includes areas such as Wildlife Rehabilitation, Commercial Parks, Commercial Lakes, Scientific Collection, Fish Importation, Falconry, Field Trials and Commercial Fishing, to name a few. Kathy has worked with rehabilitators since the early 1990's and had a key role in the revision of the CDOW Regulations – Chapter 14: Wildlife Rehabilitation in 1996. She holds a degree in biology with field officer training.

JOHN PAPE, Epidemiologist, Colorado Department of Public Health & Environment, graduated from Colorado State University with a Bachelor's degree in Environmental Health and began working for the health department as a field epidemiologist. In 1984, Mr. Pape transferred to the Communicable Disease Epidemiology Program where he supervises the field epidemiologist staff and is responsible for zoonotic disease surveillance and control state-wide. He has authored/co-authored scientific journal articles on a variety of zoonotic diseases including bat rabies, tick-borne relapsing fever, feline plague and hantavirus and serves as a reviewer of submitted scientific journal articles for *Emerging Infectious Diseases*, *American Journal of Tropical Medicine & Hygiene*, *Journal of Wildlife Disease* and *Journal of Infectious Wildlife Diseases*.

JUDY SCHERPELZ has been a licensed rehabilitator since 1987 and has nineteen years of experience as Executive Director of Rocky Mountain Raptor Program, in Fort Collins. She has been an instructor in college-level courses on bird of prey anatomy, physiology, behavior, and medical management for seven years. She has twenty-five years of experience in avian studies, including captive flock management and veterinary techniques. Judy has recently been in charge of the development of a new and significantly expanded facility for the Rocky Mountain Raptor Program.

Registration reminders:

- Please register only ONE person per registration form. Make copies, or e-mail ccwr_4_members@msn.com to request additional forms.
- In order to qualify for CCWR member prices, registrants must be a 2006-07 paid member.
- Hotel reservation deadline is January 8. After this time, the special CCWR discount may not be available.
- Do you need to reduce costs? Let us help you find a roommate.
- Registration must be received no later than January 25, 2007 to qualify for discounted rates. Please plan for this and allow for mail time. After this date, please add \$5 to your amount.
- Make checks payable to CCWR.
- Mail registration form and check to:

CCWR Symposium
c/o Raegan Morgan
1913 Glenview Drive
Berthoud, CO 80513

You may visit us online soon at www.ccwr-co.org **We look forward to seeing you!**

Directions...

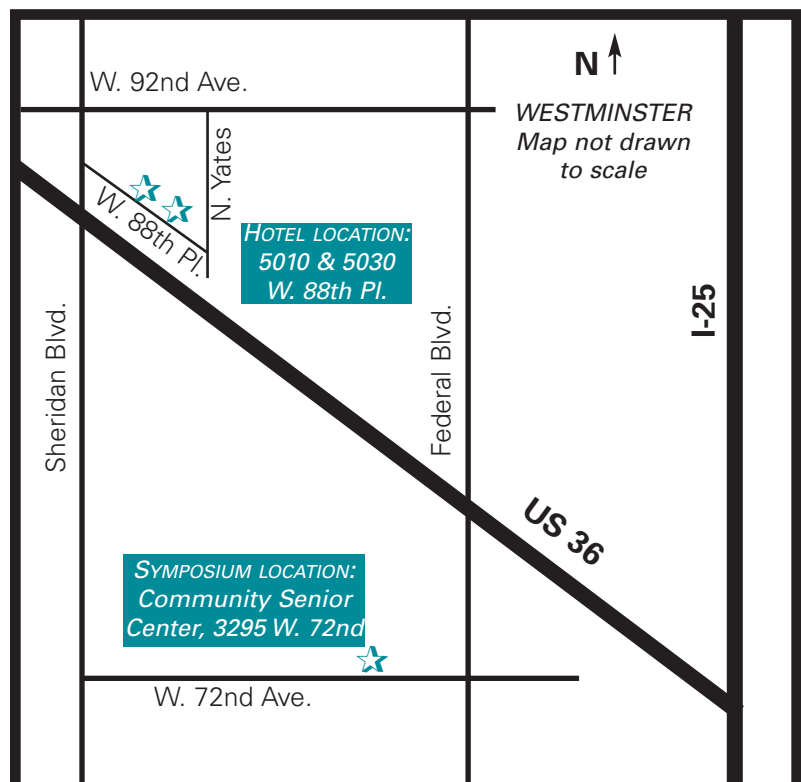
...to Symposium location:

Take US 36 to Federal Blvd; go South on Federal to W. 72nd Avenue; go West on W. 72nd to the site.

...to Hotels:

From Northbound US 36, exit Right onto Sheridan Blvd. then make another Right onto W. 88th Place.

From Southbound US 36, it is easy to miss the turn onto W. 88th Place. If you do, go North on Sheridan Blvd., East on W. 92nd Avenue, South on N. Yates, and West onto W. 88th Place.



Cover Photos by: Laura Erickson, Beth Bridges, Peter Butler, Raegan Morgan

Colorado Council for Wildlife Rehabilitation 2007 Education Symposium Registration

Please register ONE person per form. Photocopy form if more are needed.

Name: _____

Affiliation: _____

Address: _____

City/State/Zip: _____

Phone: _____

E-mail: _____

CCWR member: \$40 \$_____

or
 Non-member: \$50 \$_____

After January 25, add \$5 \$_____

Renew/Join CCWR
for 2007-08 @ \$15 \$_____

Total Enclosed: \$_____

To ensure you have a positive experience, please answer the following.
These questions are for planning purposes only and are non-binding.

Would you like a Certificate of Attendance? Yes No

Do you plan to attend Friday night's reception? Yes No

Do you plan to attend Saturday night's optional dinner? Yes No

Would you like help finding a roommate? No Yes: Female Male

Lunch option preferred: Vegetarian Non-vegetarian

Would you like space to display your organization's literature on our Guest Literature Table? Yes No

Make checks payable to: CCWR

Mail to: CCWR Symposium
c/o Raegan Morgan
1913 Glenview Drive
Berthoud, CO 80513

 Please detach and return this form with your payment

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We look forward to seeing you!