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Saturday, October 27

Biosecurity for Wildlife Rehabilitation Centers

Abstract: This talk will focus on measures to stop disease transmission within your facility. Attendees will learn the tenants of biosecurity from several animal related perspectives, and how they can be applied to wildlife rehabilitation centers. This talk will include a discussion on effective disinfection and decontamination, as well as a review of the pros, cons and spectrum of typical disinfectant options.

Dr. Dan Famini

Bio: This talk will focus on measures to stop disease transmission within your facility. Attendees will learn the tenants of biosecurity from several animal related perspectives, and how they can be applied to wildlife rehabilitation centers. This talk will include a discussion on effective disinfection and decontamination, as well as a review of the pros, cons and spectrum of typical disinfectant options.

General Information

50 min
lecture

Captive Care of Rodents

Abstract: In this presentation I will go over the natural history of the rodents we treat and walk through the medical care, handling and restraint, and husbandry from neonate age up to release.

Jacqueline Lewis, WildCare

Bio: I have been with WildCare of four years. I am a full-time year-round technician. I am the foster care team lead of the rodent team and co team lead of the skunk team.

Mammal

50 min
lecture

Captive Care of Skunks

Abstract: In this presentation I will go over the medical care and husbandry of skunks as well as their natural history. I will also go over common diseases and injuries we see and how we treat.

Jacqueline Lewis, WildCare

Bio: I have been with WildCare of four years. I am a full-time year-round technician. I am the foster care team lead of the rodent team and co team lead of the skunk team.

Mammal

50 min
lecture

CDFW Updates

Dept of Fish and Wildlife (CA and US)

General Information

Crafting Custom Hoods (Interactive Workshop)

Abstract: In wildlife rehabilitation, some of the devices that would be useful to safely restrain or calm patients are simply not available. Therefore, we must craft them ourselves. In this workshop you will learn how to sew an owl head cover and a fox muzzle with eye cover, and make one to take home. Both have been tried and tested in several facilities. You will go home with a pattern for each. If you have a custom project need, please email me prior to the class, and that can be considered as your project during the class. Prerequisite is very basic sewing skills: If you can sew a button on pants, that is sufficient. Anyone who is desperate for this class but has never picked up a needle and thread can contact the presenter for a one on one lesson prior to the

Linnaea Furlong, Napa Wildlife Rescue

Bio: Linnaea Furlong is the Wildlife Rescue Manager at Napa Wildlife Rescue. When not working with wildlife or watching the wildlife she isn't responsible for in the woods, she enjoys sewing costumes and other creations. She is happy that her crafting skills have been able to help wildlife and she would like to share them with others.

All species

90 min
interactive
workshop
(\$15 fee,
limited to 15
participants)



class. If you have a sewing machine you enjoy using, please bring it, but sewing machines and supplies will be provided.

Disaster Preparedness Roundtable Discussion

Lizzy Brewer-Chouinard, Brooke Durham, Ashton Kluttz

General Information

Fluid Therapy for Mammalian Wildlife Patients, Lecture and Laboratory

Dr. Dan Famini

Mammal

Abstract: In this lecture/lab participants will learn:

- Normal fluid distribution inside our patients.
- How to determine hydration status in your patients.
- Fluid types and how to select the proper rehydration product.
- Routes of fluid administration.
- Fluid administration equipment
 - Including placement and management of Intravenous Catheters, and the use of fluid pumps.
- Recognizing clinical shock and the special fluid considerations for shocky patients.
- We will then recap all that you've learned with some wildlife patient case studies.

Bio: Dr. Dan Famini received his Doctorate of Veterinary Medicine (Zoo Medicine Tract) from the University of California, Davis. He has been the Veterinarian of Record for Sonoma County Wildlife Rescue for the last 8 years. Dan is on the faculty at the Santa Rosa Junior College where he runs the Veterinary Technician Program, as well as Teaching Introduction to Wildlife Conservation and Poultry Husbandry courses. In addition, Dan is a part-time veterinarian for the Sonoma County Animal Shelter. Dan has presented and been part of the published research on topics including elephant locomotion, tortoise thyroids, otter parvovirus and backyard egg production.

50 min lecture and 105 min lab session (\$15 fee to attend laboratory session, lab limited to 21 participants)



Members Meeting

Rachel Avilla, CCWR Board President

General Information

Reptile and Amphibian Husbandry

Sean Parnell, East Bay Vivarium

Reptile and Amphibian

Abstract: Husbandry basics for the captive care of native reptile and amphibian species.

Bio: Facility manager at the East Bay Vivarium since 1997. Avid volunteer with Pinnacles National Park California Condor Recovery Program, USGS Giant Garter Snake survey, Mt. Diablo State Park, Bay Area Applied Mycology, Golden Gate Raptor Observatory, CA Fish & Wildlife, certified California Naturalist, and general outdoor enthusiast.

50 min lecture

Southern California Bobcat Mange - Treatment

Dr. Deana Clifford, Senior Veterinarian Specialist, Non-Game and Public Safety

Mammal

50 min lecture

Western Pond Turtle Care and Conservation

Abstract: The Western Pond Turtle (*Actinemys marmorata*) can be found in freshwater from Washington to Baja California, primarily in the Sierra Nevada and Cascade Mountains. This species has seen significant declines in some areas and is considered vulnerable by IUCN.

There are many threats to Western Pond Turtles throughout their range. Habitat loss is a significant factor as well and predation by non-native predators and competition from introduced non-native turtles.

San Francisco Zoo and Gardens is working to protect and restore turtle populations in the bay area. We are working with the National Park Service and local universities to headstart young turtles for reintroduction.

Jarrold Willis, San Francisco Zoo

Bio: Jarrold Willis is Conservation Special Project Supervisor at San Francisco Zoo and Gardens where he works to raise and release native herps to the wild. Throughout his nearly 18-year career he has worked as a conservationist, keeper, and educator at various institutions including California Academy of Sciences, Oakland Zoo, and Lindsay Wildlife Experience.

Reptile and Amphibian

50 min
lecture

Wildfire Large Mammal Success Stories**Dr. Deana Clifford, Senior Veterinarian Specialist, Non-Game and Public Safety****Mammal**

50 min
lecture

Wolves and Coyotes

Abstract: Wolves and Coyotes, a PowerPoint style Education Program takes a close look at the differences and similarities between wolf and coyote biology, behavior, social structure, historical and current ranges, and ecosystem roles. We'll also look at how our domesticated dogs compare and contrast with these wild canids. The mission of the program is to embrace biodiversity and facilitate peaceful coexistence of all species.

Skie Bender, Wolf Haven International

Bio: Skie Bender has worked for Wolf Haven International, a nonprofit sanctuary for captive-born wolves located in the small farming community of Tenino, WA since 2006. Skie currently resides in her native state of CA but continues to work remotely for Wolf Haven.

Mammal

50 min
lecture

Sunday, October 28

An Intern's Perspective of Three Wildlife Centers

Abstract: The unifying goal of wildlife rehabilitation is to treat injured animals with the hope of release. However, wildlife centers have different perspectives that influence how this goal is achieved. While no center is the absolute model of wildlife rehabilitation (because of funding and administrative considerations), each center offers their own procedures that are ideal for their situation.

Jessica Kwan, WildCare

Jess Kwan is an aspiring wildlife rehabilitator who has had the privilege to be an intern at 3 different wildlife centers in the summer of 2017. Before she was wrangling squirrels, she was avidly searching for ticks to study the ecology of Lyme disease in California for her master's degree in Disease Ecology at San Francisco State University. And even before then, she earned her Bachelor of Arts in

General Information

50 min
lecture

However, the lack of partnerships between centers causes misunderstandings or disagreements. Fostering camaraderie through direct communication is helpful because it allows us to continue improving our protocols for the benefit of not only the wildlife we rehabilitate, but also the humans who are involved. Being an intern at three different centers provided me the unique opportunity to experience these differences first hand and start a conversation between the centers. Hopefully in the future, we can cohesively collaborate to provide the optimal care and management protocols for injured wildlife.

Integrative Biology and Scandinavian Studies at UC Berkeley.

Adult Songbird Care

Abstract: This lecture will go over the basics of adult songbird care and how to care for these unique and high stress patients in a busy hospital setting. The lecture will discuss common presenting issues as well as problems that may arise while a bird is in care; it will discuss the benefits of enrichment, how to reduce stress for our patients and how to accommodate their specialized requirements in a high intake clinic.

Lucy Stevenot, WildCare

Bio: I began volunteering in wildlife rehabilitation in 2010 at The Marine Mammal Center. My love of the work set me on a track to study conservation, so I could pursue a career in wildlife rehab. I have since volunteered and worked at multiple organizations throughout the Bay Area and currently manage the songbird clinic at WildCare in San Rafael, CA.

Avian

50 min lecture

Avian Necropsy Lecture and Laboratory

Abstract: A large proportion of the animals admitted for wildlife rehabilitation are birds, and rehabilitators are often faced with needing or wanting to know what was wrong with a bird that either died or was euthanized. A necropsy is what we call a careful dissection of a dead animal in order to gain information about the cause of death. This talk will present a review of basic avian anatomy, instruction on how to perform a necropsy, plus will discuss what sort of problems can be identified during a necropsy versus what sort of problems require submission of samples to a laboratory for a diagnosis. We will also discuss how to collect samples for submission to labs. In the laboratory portion, students will perform a necropsy on a deceased bird.

Dr. Rebecca Duerr, International Bird Rescue

Bio: Dr. Rebecca Duerr is the clinical veterinarian and research director at International Bird Rescue’s two wildlife clinics in California. She completed her DVM, MPVM, and PhD degrees at University of California Davis, with graduate work on the clinical care of oiled Common Murres and the nutritional energetics and physiology of Common Murres and Western Grebes. She is currently working on co-editing the 2nd edition of Hand-Rearing Birds, co-edited and wrote several chapters in NWRA’s Topics in Wildlife Medicine, Vol. 4: Orthopedics, co-wrote the wild orphans section of Merck Veterinary Manual, contributed Seabird Medicine and Orphan Care chapters to the upcoming textbook Medical Management of Wildlife Species: A Guide for Practitioners, and is slowly getting all her graduate papers from the intersection of seabird biology and clinical wildlife medicine published. She

Avian

50 min lecture and 105 min lab session (\$15 fee to attend laboratory session)



serves on the Board of Directors of the National Wildlife Rehabilitators Association.

Baby Crow Care from Intake to Release

Abstract: In this class we will cover baby crow-specific care from nestlings to release (much of which can also be applied to ravens, just on a grander scale). I will share protocols starting with intake exams, prophylactics, all the way through to diet, cage set up and graduating them through the various stages of development. We will also discuss common medical issues that plague the corvids in our care, how to identify them, treat them, when euthanasia is the kindest decision and release criteria. Ideally if time at the end for discussion would like others to share their protocols and anything that they find works well.

Melanie Piazza, WildCare

Bio: Melanie Piazza has worked in the field of wildlife rehabilitation and hospital management for 20 years. She has served as the Director of Animal Care in WildCare's Wildlife Hospital in San Rafael, CA since 2002. WildCare admits between 3-4,000 animals a year, native and non-native birds, mammals and reptiles. They have a seasonal medical team of four to ten staff members and volunteer force of 300. In 2007 Melanie founded WildCare Wildlife Solutions, a humane exclusion service, as a way to earn money for the agency while saving lives and preventing orphans. Prior to her arrival at WildCare she worked at the Animal Protection Society's Wildlife Rehabilitation Center in Mebane, NC for four years. Melanie's other passion is domestic animal disaster response relief. She is an active member of Oiled Wildlife Care Network, San Francisco's Disaster Animal Response Team and Marin County's Community Emergency Response Team. Any free time is spent out running on the trails in our amazing parks and trying hard not to find more injured animals while doing so.

Avian

90 min lecture

Band-Taileds: Rehabbing CA's Native Pigeon

Abstract: In this presentation, we will explore the natural history, development, and various rehabilitation protocols of Band-Tailed Pigeons. This columbid can present a number of challenges and require careful consideration in a busy rehab setting because of their specialized lifestyle. We will delve into adapting their wild lives to one in rehab, as well as lessons learned in raising and caring for them, while focusing on problem prevention and mitigation. We will also discuss transitioning the birds from indoors to pre-release housing, as well as guidelines for release, so that they set out with the best chances of success back in the wild.

Mariah Horan, WildCare

Bio: Mariah Horan is currently a Wildlife Rehabilitation Tech at WildCare in San Rafael, and Corvid Caretaker at Corvid Connection in Clayton. She is an East-Coast native that moved to the San Francisco after getting started in rehab at the Audubon Society of Portland's (OR) Wildlife Care Center. After moving to the Bay Area, Mariah started interning at Peninsula Humane Society's Wildlife Care Center, moving up to seasonal rehab tech the next year. She began volunteering at IBR, and after leaving PHS started working as a technician at Lindsay Wildlife Experience's Rehabilitation Hospital. In late 2017, Mariah starting volunteering at

Avian

50 min lecture

WildCare and working at Corvid Connection, and quickly fell in love with both organizations. She was hired as a wildlife tech going into the 2018 season at WildCare and plans to continue learning and inquiring about everything rehab-related before setting out on her own.

Barn Owl Maintenance Box Program (BOMP)

Abstract: Barn Owls as Pest Control: Barn owls as gopher predators form an organic system of pest control called Integrated Pest Management. Learn how SCWR established the BOMP program and how the program has positive effects on our ecosystem and discourages use of harmful rodenticides.

Natalie Jones/ Doris Duncan, Sonoma County Wildlife Rescue

Bio: Natalie Jones is our PEEP instructor and has 17 years of experience working in the field of wildlife rehabilitation.

Avian
50 min lecture

Creance: Ancient Falconry Skills for Modern Rehab

Abstract: Raptors need to be aerial athletes to survive in the wild. Creance is a falconry method embraced by rehabilitators to exercise birds and ensure that an injured bird has regained the strength and endurance to be released to the wild. In this presentation, we will demonstrate techniques, equipment, and steps in setting up a creance program based on our experience at Pacific Wildlife Care.

Claudia Duckworth/Pam Hartmann, Pacific Wildlife Care

Bio: Claudia Duckworth has been a volunteer at Pacific Wildlife Care for twenty-nine years. She was instrumental in establishing PWC's creance team in the late 1990s. Pamela Hartmann joined the creance team four years ago and is focusing on teaching creance skills to new members. Each, at different times, has expanded her skills in the intensive rehabilitation workshop at The Raptor Center, through the University of Minnesota's College of Veterinary Medicine—a program that includes conditioning through creance.

Avian
50 min

Feather Imping Laboratory

Abstract: Despite our best efforts, wildlife rehabilitators are often faced with the problem of feather damage in our avian patients. Keeping birds in care long enough for damaged feathers to molt is often not an option, either for the patient or the organization. Implanting of donor feathers ("imping") onto the damaged feathers of patients is a way to expedite release of these patients. This lab will go over techniques to implant feathers in many species of birds.

Dr. Shannon Riggs, Pacific Wildlife Care

Bio: Shannon is the Director of Animal Care for Pacific Wildlife Care and a founding member of Bird Ally X.

Avian
105 min lab session (\$15 fee to attend laboratory. No lecture.)



Go WILD! An Intro to the Project WILD Guides

Abstract: Project WILD is one of the most widely-used conservation and environmental education programs among K-12 educators. Learn how these comprehensive, easy-to-use guides engage students in hands-on, standards-aligned learning that makes a lasting impression on attitudes towards wildlife. Participants will explore activities from each of the guides--Project WILD (terrestrial species), Aquatic WILD, Growing up WILD (early childhood), and Flying WILD (bird focused) and learn how and where to obtain the guides and other resources. Whether you need ideas for classroom visits, camps, or special events, the WILD family of guides offer adaptable, user-friendly, engaging lessons and activities for all ages. Prepare to go WILD!

Caitlin Reilly, Project WILD/Association of Fish and Wildlife Agencies

Bio: Caitlin believes that lifelong learning is a corner stone of a vibrant community.

As the Director of The Chico Creek Nature Center, she strives to ensure that every aspect of their programming from teacher workshops to school field trips to summer camps excite participants passion for learning.

She has a BA in Religious Studies and is a fellow of the institute for Environmental Communication at Loyola University of New Orleans. Caitlin worked as an extension professional for the The Louisiana State University, AgCenter's Oil Spill Response and Recovery Task Force from 2010 to 2012 before moving to Chico in late 2012. In her time at The Chico Creek Nature Center, its programming has grown over 150% and community supported fundraising has also increased substantially. Caitlin is working hard to make The Center a sustainable cornerstone of lifelong learning in our community by adding programs like California Naturalist to the Center's offerings.

General Information

50 min lecture

People Problems: Compassionate Human Management

Abstract: The hardest species we work with as rehabilitators is other humans. From needy or obstinate volunteers to careless or angry members of the public, opportunities abound for conflict and hurt feelings. However, as rehabilitators, education and cooperation are absolutely key for our success. In the lecture we will cover some of the common problem people situations encountered in wildlife rehabilitation and tools to defuse tension, smooth ruffled feathers, and promote successful resolution of conflicts.

Linnaea Furlong, Napa Wildlife Rescue

Bio: Linnaea Furlong is the Wildlife Rescue Manager at Napa Wildlife Rescue. As a small organization her job comprises both animal care and human management. In her various jobs she has consistently been labeled as "good with people" although she self identifies as an introvert and would rather spend time with most animals instead of most people. Her bachelor's degree comprised both elements of biology and anthropology and she feels her people skills are due to techniques learned in her anthropology training.

General Information

50 min lecture

Research and Rehabilitation

Abstract: Research and experimentation are not bad words: you can do research that will benefit wildlife rehabilitation. An overview of some of the ways to

Jessica Kwan, Cal Squirrels: Jacobs Lab of Cognitive Biology

Jess Kwan is an aspiring wildlife rehabilitator who has had the privilege to be an intern at 3

General Information

collaborate in, lead, and properly conduct research that can get published or just brought to the wildlife rehab community and how they can benefit your center directly. We will cover types of projects, principles of good science, legalities, terminology, and finding opportunities. Included will be some time to discuss your potential projects and what you need to think about to get them to fruition.

different wildlife centers in the summer of 2017. Before she was wrangling squirrels, she was avidly searching for ticks to study the ecology of Lyme disease in California for her master's degree in Disease Ecology at San Francisco State University. And even before then, she earned her Bachelor of Arts in Integrative Biology and Scandinavian Studies at UC Berkeley.

90 min
lecture

Monday, October 29

PEEP (Field trip to Sonoma County Wildlife)

Abstract: Our PEEP (Predator Exclusion and Educational Program) barnyard provides a "live lab" demonstration of friendly wildlife exclusion methods. They include fencing, hazing, and poison free ways of managing your garden. There is a big emphasis on protecting livestock. Whether you are a professional farmer, rancher, or a simple homesteader, come and learn about how we can live in harmony with our native wildlife. This presentation will cover many aspects of our award-winning PEEP program.

Doris Duncan, Sonoma County Wildlife Rescue

Bio: Doris Duncan, Executive Director, Developer of PEEP

Avian
Three-hour
Field Trip