

# 56th Annual Wildlife Disease Association Conference



August 12-17, 2007  
YMCA of the Rockies  
Estes Park, Colorado

Program Talks & Titles



# THANK YOU TO OUR SPONSORS

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Australasia.....	Pam Whiteley
Europe .....	Dolores Gavier-Widén
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## 2007 PLANNING COMMITTEE

### **Conference Co-Chairs**

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Mike Antolin	Joanna Fishback	Greg Phillips	Kurt VerCauteren
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### **Session Moderators & Workshop Chairs**

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Lynn Creekmore	Emily Jenkins	Shawn Riley	Kurt VerCauteren
Jack Cully	Bill Lance	Tonie Rocke	Mary Kay Watry
Josh Dein	Bob McLean	Jeff Root	Margaret Wild
Tom DeLiberto	Michael Miller	Chris Soderquist	Lisa Wolfe
Matthew Farnsworth	Pauline Nol	Terry Spraker	Mary Wright
Alan Franklin	Jenny Powers	Dick Stroud	B. Zimmerman

### **Local Color**

*History of Estes Park* by Billy Ward from the Stanley Hotel  
*The story of Jack Slade and Virginia Dale* by Jack Rhyan  
*An overview of the geology of Rocky Mountain National Park* by Rainey Kreis,  
Education Ranger at Rocky Mountain National Park  
*Fortress Rocks* by Jack Rhyan  
*Ghosts of the Stanley Hotel* by Billy Ward and Other local Stories by Jack Rhyan  
*Brief histories of WDA and its awards* by Ed Addison, Todd Cornish, and others

### **Conference Supporters**

Mike Smith, Cami Sebern, Dan Deblasio and YMCA of the Rockies staff; Laura Tanaka, Helen VanDeMark, Janelle Armentrout, and Colorado State University Conference Services staff; Mark Hansen, Margie Michaels, Michelle Gallagher, Danny Martin, Debi Reep, Vaughn Baker and Rocky Mountain National Park; Sandy Lockman, Alice Johnson and Lake Shore Lodge; Baxter Black; Ray Devera and Jansport

Conference logo by Terry Creekmore



## EXHIBITORS

VISIT EXHIBITORS IN THE HOBBS & SWEET ROOMS INSIDE THE WALTER G. RUESCH AUDITORIUM  
MONDAY/TUESDAY 8:00A-5:00P; WEDNESDAY 8:00A -12:00P

Wildlife Pharmaceuticals  
ChemBio Diagnostic Systems  
Stevan Logsdon Jewelry  
American Association of Wildlife Veterinarians  
Chemical Immobilization Data Standardization Initiative

## CONTINUING EDUCATION

Special thanks to the American College of Zoological Medicine for sponsoring continuing education

See registration desk for continuing education forms





## WDA 2007 DETAILED CONFERENCE PROGRAM

### **Welcome Reception - *Sunday, August 12***

A welcome reception Sunday evening in the YMCA Walnut Dining Room will include light desserts as well as complimentary wine and beer. This will be an opportunity to renew old acquaintances, make new ones, and for mentors to meet their students. In keeping with recent tradition, there will be a student/mentor only reception from 7:00p – 7:30p and open to all registrants from 7:30p – 10:00p.

### **Picnic - *Monday, August 13***

The picnic on Monday evening will take place at the Upper Cookout on the grounds of the YMCA, along with the meal will be complimentary beer. The picnic will provide an opportunity for informal interaction among registrants in an outdoor setting. The Hi-Beams, a local band, will entertain us for the evening. Safe-Capture International will sponsor a fun competition to test your field skills in wildlife immobilization-and to find that next generation of wildlife experts! Dress in layers for the cool and ever-changing weather, and bring tennis shoes for a potential softball or volleyball game.

### **Auction - *Tuesday, August 14***

The auction on Tuesday evening, held in the Walter G. Ruesch Auditorium is likely to be a major source of entertainment at the meeting and will include hors d'oeuvres and complimentary wine and beer. This year, proceeds from the auction will be donated to the Thorne - Williams Memorial Award Fund.

### **Field Trips - *Wednesday, August 15 (12:30p-5:00p)***

- A tour of the local (Fort Collins) wildlife research facilities
- Rocky Mountain National Park activities:
  - High-country hiking
  - Family hiking
  - Wildflower hike
  - History of Rocky Mountain National Park and Estes Park
  - Driving tour of Rocky Mountain National Park
  - Elk viewing tour in Rocky Mountain National Park

### **Banquet - *Thursday, August 16***

The conference banquet, including a cash bar will occur at the Lake Shore Lodge in Estes Park. Highlights, in addition to the meal featuring trout and bison, will include presentations of major WDA awards, as well as entertainment from Baxter Black cowboy poet and humorist. WDA awards include presentation of the Distinguished Service Award, the Emeritus Award and the infamous Duck Award to the unfortunate recipient recognized to have made the biggest blunder at the conference! New to this year, the first Tom Thorne and Beth Williams Memorial Award will be presented. Transportation to the banquet will be provided from the YMCA.

## SUNDAY

8:30a	<b>Editorial Board Meeting</b>	<b>Location TBA 8:30a-12:00p</b>
12:00p	Lunch (Editorial Board & Council)	
1:00p	<b>WDA Council Meeting</b>	<b>Location TBA 1:00p-5:00p</b>
3:00p	<b>Registration</b>	<b>Walter G. Ruesch Auditorium 3:00p-8:00p</b>
7:00p	<b>Student/Mentor Reception</b>	<b>Walnut Dining Room 7:00p-7:30p</b>
7:30p	<b>Welcome Reception</b>	<b>Walnut Dining Room 7:30p-10:00p</b>

## MONDAY

7:30a	<b>Registration</b>	<b>Walter G. Ruesch Auditorium 7:30a-4:00p</b>
8:00a	<b>Coffee</b>	<b>Walter G. Ruesch Auditorium</b>
8:30a	<b>Conference Welcome</b>	<b>Walter G. Ruesch Auditorium</b>

### 8:45A-10:00A ECOLOGY OF WILDLIFE DISEASES

#### *CARLTON HERMAN FOUNDERS FUND LECTURE*

8:45a	<i>André A. Dhondt</i> [1] MYCOPLASMAL CONJUNCTIVITIS IN HOUSE FINCHES: HOST & DISEASE DYNAMICS IN THE INTRODUCED & NATIVE RANGE OF THE HOST
9:15a	<i>Charles Van Riper III</i> [2] A COMPARISON OF LONG-TERM PRODUCTIVITY & FITNESS OF HEMATOZOAN-INFECTED BIRDS WITHIN A CALIFORNIA COASTAL SCRUB COMMUNITY
9:30a	<i>Rodrigo K. Hamede</i> [3] SEASONAL, DEMOGRAPHIC & DENSITY-RELATED PATTERNS OF CONTACT BETWEEN TASMANIAN DEVILS: IMPLICATIONS FOR TRANSMISSION OF DEVIL FACIAL TUMOUR DISEASE
9:45a	<i>Michael Bull</i> [4] CLIMATE CHANGE & THE IMPACTS ON TICK-LIZARD INTERACTIONS & HEMOGREGARINE TRANSMISSION IN AUSTRALIA

10:00A BREAK, VISIT EXHIBITORS (HOBBS & SWEET ROOMS IN WALTER G. RUESCH AUDITORIUM)

### 10:30A-11:45A ECOLOGY OF WILDLIFE DISEASES, CONTINUED

10:30a	<i>Andy Dobson</i> [5] THE TRANSMISSION DYNAMICS OF CDV IN SERENGETI LIONS: ESTIMATING TRANSMISSION & MODELS FOR MULTI-HOST DYNAMICS
10:45a	<i>Viviane Hénau</i> [6] DO MIGRATING BIRDS SPREAD DISEASE? AVIAN CHOLERA IN SNOW GEESE AS A MODEL SYSTEM
11:00a	<i>Stephanie F. Gebert</i> [7] A LONGITUDINAL STUDY OF FACTORS AFFECTING HELMINTH PREVALENCE IN FIELD VOLES IN NORTHUMBERLAND, UK
11:15a	<i>Emily Jenkins</i> [8] ECOLOGY OF DISEASES OF COLONY NESTING BIRDS IN SASKATCHEWAN, CANADA
11:30a	<i>Karoun H. Bagamian</i> [9] A MANIPULATIVE EXPERIMENT TO MONITOR TRANSMISSION OF SIN NOMBRE HANTAVIRUS IN DEER MOUSE POPULATIONS UNDER NATURAL FIELD CONDITIONS

## MONDAY

**11:45a Introduction of the Tom Thorne & Beth Williams Award**

**12:00p LUNCH BREAK**

### **1:00P-2:45P SOCIOPOLITICAL CHALLENGES OF WILDLIFE DISEASE MANAGEMENT**

- |       |   |
|-------|---|
| 1:00p | <i>Daniel J. Decker</i><br>[10] HUMAN DIMENSIONS OF WILDLIFE DISEASE MANAGEMENT: IS PUBLIC REGARD OF WILDLIFE AS A "RESOURCE" HANGING IN THE BALANCE?                                 |
| 1:15p | <i>Terry J. Kreeger</i><br>[11] BRUCELLOSIS IN THE GREATER YELLOWSTONE AREA: FOCUSING ON SOLUTIONS  |
| 1:30p | <i>Ken Kingdon</i><br>[12] CHALLENGES & SUCCESSES OF MANAGING BOVINE TUBERCULOSIS IN A MULTI-JURISDICTIONAL ENVIRONMENT IN THE RIDING MOUNTAIN NATIONAL PARK REGION, MANITOBA, CANADA |
| 1:45p | <i>Marcela Uhart</i><br>[13] DOMESTIC ANIMAL MANAGEMENT & WILDLIFE HEALTH IN INDIGENOUS COMMUNAL LANDS OF BOLIVIA   |
| 2:00p | <i>Alonso Aguirre</i><br>[14] THE EFFECTS OF SPECIES DIVERSITY ON DIRECTLY TRANSMITTED DISEASES   |
| 2:15p | <i>Edward M. Addison</i><br>[15] BENEFITS OF FRAGMENTATION AND ISOLATION OF POPULATIONS – A QUESTION OF BALANCE   |
| 2:30p | <i>Shawn J. Riley</i><br>[16] A LEARNING LABORATORY TO PROMOTE INTEGRATION OF INSIGHTS FROM BIOLOGICAL & HUMAN DIMENSIONS FOR WILDLIFE DISEASE MANAGEMENT                             |

### **2:45P-3:45P POSTER SESSION ONE [100-130] (SEE PG. 68) & BREAK**

### **3:45P-5:00P MANAGING WILDLIFE DISEASES**

- AAWV – CUTTING EDGE SPEAKER***
- |       |  |
|-------|--|
| 3:45p | <i>Craig Stephen</i><br>[17] WILDLIFE HEALTH MANAGEMENT: DEVELOPING THE "COLORADO CHARTER"   |
| 4:15p | <i>Hamish McCallum</i><br>[18] MANAGING FACIAL TUMOUR DISEASE IN THE TASMANIAN DEVIL: A DISEASE SUPPRESSION TRIAL  |
| 4:30p | <i>Roni King</i><br>[19] A MODEL FOR OPTIMIZING THE APPLICATION OF ORAL RABIES VACCINATION IN ISRAEL, BASED ON RED FOX POPULATION SPATIAL DYNAMICS               |
| 4:45p | <i>Daniel M. Tompkins</i><br>[20] ORALLY DELIVERED BACILLE CALMETTE-GUÉRIN (BCG) VACCINE PROTECTS WILD FREE-LIVING BRUSHTAIL POSSUMS AGAINST BOVINE TUBERCULOSIS |

**5:00p AAWV member meeting                      Walter G. Ruesch Auditorium 5:00p-6:00p**

**6:00p Picnic Dinner                                      Upper Cookout picnic area 6:00p-10:00p**

## TUESDAY

7:30a	Prayer Breakfast	Location TBA 7:30a-8:30a
7:30a	Registration	Walter G. Ruesch Auditorium 7:30a-12:00p
8:00a	Coffee	Walter G. Ruesch Auditorium

### 8:30-10:00 MANAGING WILDLIFE DISEASES, CONTINUED

8:30a	<i>Marc Artois</i> [21] LESSONS LEARNED FROM HIGHLY PATHOGENIC AVIAN INFLUENZA IN EUROPE	
8:45a	<i>Kimberlee Beckmen</i> [22] MANAGING THE ADVERSE IMPACTS OF THE BITING DOG LOUSE ON WOLVES IN ALASKA	
9:00a	<i>Victoria Patrek</i> [23] THE EFFECTS OF SUPPLEMENTAL FEEDING ON STRESS LEVELS IN ELK	
9:15a	<i>Charles E. Rupprecht</i> [24] THE FUTURE OF ORAL WILDLIFE RABIES VACCINATION?	
9:30a	<i>Jack Cully</i> [25] SPATIAL DYNAMICS OF PLAGUE IN THREE BLACK-TAILED PRAIRIE DOG COMPLEXES	
9:45a	<i>Tonie E. Rocke</i> [26] EVIDENCE OF ENZOOTIC PLAGUE IMPACTS ON BLACK-FOOTED FERRET SURVIVAL IN MONTANA	
10:00a	BREAK & VISIT EXHIBITORS (HOBBS & SWEET ROOMS IN WALTER G. RUESCH AUDITORIUM)	

### 10:30A-12:00P TERRY AMUNDSON AWARD STUDENT PRESENTATIONS

<b><i>WDA GRADUATE STUDENT RESEARCH RECOGNITION AWARD WINNER</i></b>		
10:30a	<i>Shelly Lachish</i> [27] USING CMR MODELS TO DETECT DISEASE IMPACTS & PATTERNS OF INFECTION IN A TASMANIAN DEVIL POPULATION AFFECTED BY DEVIL FACIAL TUMOUR DISEASE	
10:45a	<i>Justin D. Brown</i> [28] COMPARATIVE SUSCEPTIBILITY OF WATERFOWL & GULLS TO HIGHLY PATHOGENIC AVIAN INFLUENZA H5N1 VIRUS	
11:00a	<i>Rebecca N. Dailey</i> [29] TUMBLEWEED SHIELD LICHEN ( <i>XANTHOPARMELIA CHLOROCHROA</i> ) TOXICITY	
11:15a	<i>Julian Drewe</i> [30] ESTABLISHING THE ROLE OF INTRA-SPECIFIC SOCIAL INTERACTIONS & SOCIAL NETWORKS IN THE TRANSMISSION OF TUBERCULOSIS WITHIN A WILD ANIMAL POPULATION	
11:30a	<i>David R. Edmunds</i> [31] SURVIVAL RATES & CAUSES OF MORTALITY OF CHRONIC WASTING DISEASE POSITIVE & NEGATIVE WHITE-TAILED DEER IN WYOMING	
11:45a	<i>Christina Faust</i> [32] INFLUENCE OF BIVALVES ON THE PERSISTENCE OF AVIAN INFLUENZA VIRUS IN WATER	
12:00p	LUNCH BREAK	

## TUESDAY

### 1:00P–2:30P TERRY AMUNDSON AWARD STUDENT PRESENTATIONS, CONTINUED

- |       |   |
|-------|---|
| 1:00p | <i>Richard W. Gerhold</i><br>[33] IDENTIFICATION OF CRYPTIC SPECIES IN THE <i>TRICHOMONAS GALLINAE</i> MORPHOLOGICAL COMPLEX BY MOLECULAR CHARACTERIZATION                  |
| 1:15p | <i>Stephanie S. Godfrey</i><br>[34] SOCIAL CONNECTIVITY AND PARASITE TRANSMISSION IN POPULATIONS OF A TERRITORIAL REPTILE, THE TUATARA                                      |
| 1:30p | <i>Sonia M. Hernandez-Divers</i><br>[35] THE ECOLOGY OF <i>E. COLI</i> & OTHER <i>ENTEROBACTERIACAE</i> ISOLATES FROM FREE-RANGING BIRDS & CHICKENS IN SAN LUIS, COSTA RICA |
| 1:45p | <i>Caroline Millins</i><br>[36] WILD BIRD SURVEILLANCE FOR DETECTION OF WEST NILE VIRUS ACTIVITY IN RURAL AREAS OF SASKATCHEWAN, CANADA                                     |
| 2:00p | <i>Ryan J. Monello</i><br>[37] BIOTIC & ABIOTIC PREDICTORS OF TICK ( <i>DERMACENTOR VARIABILIS</i> ) ABUNDANCE & ENGORGEMENT ON FREE-RANGING RACCOONS                       |
| 2:15p | <i>Jessica H. Murdock</i><br>[38] USE OF WHITE-TAILED DEER AS SENTINELS FOR <i>BORRELIA</i> SPP. IN THE EASTERN UNITED STATES   |

### 2:30P–3:30P STUDENT POSTER PRESENTATIONS [131-159] (SEE PG. 86) & BREAK

### 3:30P–5:00P TERRY AMUNDSON AWARD STUDENT PRESENTATIONS, CONTINUED

- |       |   |
|-------|---|
| 3:30p | <i>Kris Murray</i><br>[39] DOES CHYTRIDIOMYCOSIS STILL KILL FROGS 30 YEARS AFTER INVASION & DECLINES?                                       |
| 3:45p | <i>Nicole Nemeth</i><br>[40] THE EFFECTS OF WEST NILE VIRUS ON RAPTORS AT A REHABILITATION FACILITY IN COLORADO                             |
| 4:00p | <i>Paul T. Oesterle</i><br>[41] EXPERIMENTAL INFECTION OF CLIFF SWALLOWS WITH VARYING DOSES OF WEST NILE VIRUS                              |
| 4:15p | <i>Leslie A Reperant</i><br>[42] RED FOXES ARE SUSCEPTIBLE TO INFECTION WITH A SWAN ISOLATE OF HIGHLY PATHOGENIC AVIAN INFLUENZA H5N1 VIRUS |
| 4:30p | <i>Amanda Jo Williams</i><br>[43] CHANGES IN IMMUNOCOMPETENCE OF THE GRAY CATBIRD DURING AN EXPERIMENTAL WEST NILE VIRUS INFECTION          |
| 4:45p | <i>Carin Kistler Williams</i><br>[44] THE EFFECTS OF AFLATOXIN ON THREE DOVE SPECIES  |

5:00p **WDA Business Meeting**                      **Walter G. Ruesch Auditorium 5:00p-6:00p**

7:00p **Auction**    **Walter G. Ruesch Auditorium 7:00p-10:00p**

## WEDNESDAY

7:30a Registration Walter G. Ruesch Auditorium 7:30a-12:00p

8:00a Coffee Walter G. Ruesch Auditorium

### 8:30A-10:00A CONCURRENT SESSION - AVIAN SPECIES (WALTER G. RUESCH AUDITORIUM)

8:30a *Catherine Soos*  
[45] AVIAN CHOLERA IN CANADA'S EASTERN ARCTIC: EMERGENCE OF AN OLD DISEASE IN A NEW ENVIRONMENT

8:45a *Frederick A. Leighton*  
[46] EPIDEMIC MORTALITY IN DOUBLE-CRESTED CORMORANTS AND THE "REVENGE OF THE TREES" HYPOTHESIS

9:00a *Charles R. Brown*  
[47] BIRD MOVEMENT PREDICTS BUGGY CREEK VIRUS INFECTION IN INSECT VECTORS

9:15a *Jennifer C. Owen*  
[48] EFFECTS OF MIGRATORY STRESS & TESTOSTERONE ON THE RECRUDESCENCE OF LATENT WEST NILE VIRUS INFECTIONS IN THE GRAY CATBIRD

9:30a *Colin Gillin*  
[49] PRELIMINARY FINDINGS OF LONG-BILLED HAWK SYNDROME IN OREGON RED-TAILED HAWKS

9:45a *Mark L. Drew*  
[50] WEST NILE VIRUS IN IDAHO: PUBLIC & GOVERNMENT RESPONSE TO MORTALITY IN WILDLIFE, HORSES & HUMANS IN 2006

### 8:30A-10:00A CONCURRENT SESSION - TERRESTRIAL CARNIVORES (WIND RIVER)

8:30a *Richard N. Brown*  
[51] PATHOGENS ASSOCIATED WITH FISHER POPULATIONS IN NORTHERN CALIFORNIA

8:45a *Mourad W. Gabriel*  
[52] PATHOGENS ASSOCIATED WITH MESOCARNIVORES THAT ARE SYMPATRIC TO A POPULATION OF FISHERS IN NORTHWESTERN CALIFORNIA

9:00a *Vic Simpson*  
[53] INCREASING INTRASPECIFIC AGGRESSION IN AN EXPANDING OTTER POPULATION

9:15a *Rodrigo S. P. Jorge*  
[54] *LEISHMANIA* SPP. IN WILD CARNIVORES CAPTURED IN THE PANTANAL, BRAZIL

9:30a *Nadine Lamberski*  
[55] PREVALENCE OF SELECTED INFECTIOUS DISEASES IN BLACK-FOOTED CATS & SYMPATRIC CARNIVORES IN THE NORTHERN CAPE: PRELIMINARY RESULTS

9:45a *Melody E. Roelke*  
[56] CLINICAL & PATHOLOGICAL CONSEQUENCES OF FELINE IMMUNODEFICIENCY VIRUS INFECTION IN WILD AFRICAN LIONS IN BOTSWANA

10:00a BREAK & VISIT EXHIBITORS (HOBBS & SWEET ROOMS IN WALTER G. RUESCH AUDITORIUM)

## WEDNESDAY

### 10:30A-12:00P CONCURRENT SESSION - TERRESTRIAL UNGULATES

(WALTER G. RUESCH AUDITORIUM)

- |        |   |
|--------|---|
| 10:30a | <i>E. Frances Cassirer</i><br>[57] BIOCHEMICAL & MOLECULAR CHARACTERISTICS OF <i>PASTEURELLA</i> SPP. & <i>MANNHEIMIA</i> SPP. ISOLATED FROM BIGHORN & DOMESTIC SHEEP IN HELLS CANYON |
| 10:45a | <i>Scott C. Bender</i><br>[58] SCRAPIE GENETIC FINDINGS IN A HERD OF DESERT BIGHORN SHEEP   |
| 11:00a | <i>A. Christy Wyckoff</i><br>[59] FERAL SWINE CONTACT WITH DOMESTIC SWINE: POTENTIAL FOR DISEASE TRANSMISSION   |
| 11:15a | <i>Christian Gortazar</i><br>[60] BOVINE TUBERCULOSIS ECOLOGY IN DOÑANA NATIONAL PARK, SPAIN: THE ROLE OF WILD UNGULATES AS DISEASE RESERVOIRS IN THE LAST IBERIAN LYNX STRONGHOLDS   |
| 11:30a | <i>Brett T. Elkin</i><br>[61] DESCRIPTION OF AN OUTBREAK OF TUBERCULOSIS & SUBSEQUENT EPIDEMIOLOGICAL INVESTIGATION IN A CAPTIVE BREEDING HERD OF WOOD BISON                          |
| 11:45a | <i>John S. Nishi</i><br>[62] LESSONS LEARNED FROM THE HOOK LAKE WOOD BISON RECOVERY PROJECT: RELEVANCE & APPLICATION TO THE LARGER ISSUE OF NORTHERN DISEASED BISON IN CANADA         |

### 10:30A-12:00P CONCURRENT SESSION - CARNIVORES & RODENTS (WIND RIVER)

- |        |   |
|--------|---|
| 10:30a | <i>Mark W. Cunningham</i><br>[63] EPIZOOTIOLOGY OF GENERALIZED DEMODICOSIS IN A FLORIDA BLACK BEAR POPULATION   |
| 10:45a | <i>T. Winston Vickers</i><br>[64] UNUSUALLY HIGH PREVALENCE OF CERUMINOUS GLAND CARCINOMAS IN CHANNEL ISLAND FOXES ON SANTA CATALINA ISLAND, CALIFORNIA |
| 11:00a | <i>Nathan C. Nieto</i><br>[65] EVALUATION OF SCIURIDS AS ECOLOGICALLY SIGNIFICANT HOSTS FOR <i>ANAPLASMA PHAGOCYTOPHILUM</i> IN CALIFORNIA              |
| 11:15a | <i>Pablo M. Beldomenico</i><br>[66] THE DYNAMICS OF HEALTH IN FIELD VOLE POPULATIONS: A HAEMATOLOGICAL PERSPECTIVE                                      |
| 11:30a | <i>Amy J. Kuenzi</i><br>[67] SIN NOMBRE VIRUS (SNV) & DEER MICE DYNAMICS IN A PAIRED SYLVAN & PERIDOMESTIC POPULATION IN MONTANA                        |
| 11:45a | <i>Tony Schountz</i><br>[68] REGULATORY T CELL-LIKE RESPONSES IN DEER MICE PERSISTENTLY-INFECTED WITH SIN NOMBRE VIRUS                                  |

**12:00p Pick-up Sack Lunches      Walter G. Ruesch Auditorium 12:00p-12:30p**

**12:30p Field Trips      Various Locations 12:30p-5:00p**

## THURSDAY

7:30a **Registration** **Walter G. Ruesch Auditorium 7:30a-8:30a**

8:00a **Coffee** **Walter G. Ruesch Auditorium**

### 8:30A-9:45A CONCURRENT SESSION - PARASITIC DISEASES (WALTER G. RUESCH AUDITORIUM)

- 8:30a *Michael J. Yabsley*  
[69] NATURAL & EXPERIMENTAL INFECTION OF WHITE-TAILED DEER WITH AN *EHRlichia* SP. FROM THE UNITED STATES CLOSELY RELATED TO *EHRlichia RUMINANTIUM*
- 8:45a *I-M. Vilcins*  
[70] DETECTING TICK-BORNE PATHOGENS IN AUSTRALIAN TICKS
- 9:00a *Susan Kutz*  
[71] GIARDIA ASSEMBLAGE A: HUMAN GENOTYPE IN MUSKOXEN IN THE CANADIAN ARCTIC
- 9:15a *Jonas Malmsten*  
[72] HAIR LOSS IN THE SCANDINAVIAN MOOSE POPULATION IN 2006-2007
- 9:30a *Soraya Naem*  
[73] AN INVESTIGATION ON THE PARASITES OF OSTRICH BY SCREENING EGGS IN FECES, ISFAHAN, IRAN

### 8:30A-9:45A CONCURRENT SESSION - ECLECTIC SPECIES (WIND RIVER)

- 8:30a *Jamie Voyles*  
[74] ELECTROLYTE DEPLETION & OSMOTIC IMBALANCE IN AMPHIBIANS WITH CHYTRIDIOMYCOSIS
- 8:45a *Philip Ladds*  
[75] PATHOLOGY OF YOUNG CAPTIVE CROCODILES
- 9:00a *Greta S. Aeby*  
[76] ASPECTS OF THE EPIZOOTIOLOGY OF *ACROPORA* WHITE SYNDROME ON REEFS ACROSS THE INDO-PACIFIC OCEAN
- 9:15a *Thierry M. Work*  
[77] DISTRIBUTION & MORPHOLOGY OF GROWTH ANOMALIES IN *ACROPORA* FROM THE INDO-PACIFIC
- 9:30a *Valerie Shearn-Bochsler*  
[78] SAXITOXIN POISONING AS A CAUSE OF MORTALITY IN COMMON TERNS DURING THE 2005 SEVERE HARMFUL ALGAL BLOOM OFF THE SOUTHERN NEW ENGLAND COAST

### 9:45A-11:00A POSTER SESSION TWO [160-193] (SEE PG. 103) & BREAK

## THURSDAY

### 11:00A–12:00P CONCURRENT SESSION - CASE REPORTS (WALTER G. RUESCH AUDITORIUM)

- 11:00a *Christopher A. Whitter*  
[79] METASTATIC CARCINOID IN A WILD MOUNTAIN GORILLA
- 11:15a *Maria C. Tosta*  
[80] PASTEURELLOSIS IN A GREAT ANTEATER
- 11:30a *Abelardo Morales*  
[81] GASTRITIS ULCERATION SYNDROME IN *PTERONURA BRASILIENSIS* ASSOCIATED WITH *HELICOBACTER PYLORI*
- 11:45a *Aleksija Neimanis*  
[82] SHEEP-ASSOCIATED MALIGNANT CATARRHAL FEVER IN FREE-RANGING MOOSE IN SASKATCHEWAN, CANADA

### 11:00A–12:00P CONCURRENT SESSION - MARINE SPECIES (WIND RIVER)

- 11:00a *Tracey Goldstein*  
[83] THE ROLE OF THE BIOTOXIN DOMOIC ACID IN REPRODUCTIVE FAILURE IN CALIFORNIA SEA LIONS ON SAN MIGUEL ISLAND
- 11:15a *Ole Nielsen*  
[84] ISOLATION & PRELIMINARY CHARACTERISATION OF A MORBILLIVIRUS RESPONSIBLE FOR AN OUTBREAK OF DISTEMPER IN SEALS FROM MAINE
- 11:30a *Felicia B. Nutter*  
[85] UPDATE ON NORTHERN FUR SEAL STRANDINGS ALONG THE CENTRAL CALIFORNIA COAST SINCE 1975
- 11:45a *Scott H. Loeffler*  
[86] INFECTION OF BEEF CATTLE WITH *MYCOBACTERIUM PINNIPEDII* DUE TO CATTLE GRAZING IN COASTAL AREAS IN CLOSE CONTACT WITH NEW ZEALAND FUR SEALS – TWO CASES STUDIES

12:00P LUNCH BREAK

### 1:00P–2:30P NEW TOOLS FOR WILDLIFE DISEASE MANAGEMENT

- 1:00p *Julie A. Blanchong*  
[87] LANDSCAPE GENETICS & THE SPATIAL DISTRIBUTION OF CHRONIC WASTING DISEASE
- 1:15p *Jonna A. K. Mazet*  
[88] ASSESSING RISK OF DISEASE TRANSMISSION AT THE WILDLIFE-LIVESTOCK INTERFACE: THE CASE OF THE SIERRA NEVADA BIGHORN SHEEP
- 1:30p *Jocelyn G. Elson-Riggins*  
[89] DEVELOPMENT OF DIAGNOSTIC TESTS FOR *OTOSTRONGYLUS CIRCUMLITUS* INFECTION IN NORTHERN ELEPHANT SEALS
- 1:45p *Andrea D. Phillott*  
[90] INFECTED *LITORIA RHEOCOLA* PRESENTING CLINICAL SIGNS OF AMPHIBIAN CHYTRIDIO-MYCOSIS HAVE COMPARABLE DETECTABLE QPCR VALUES TO INFECTED, ACLINICAL FROGS
- 2:00p *Mark W. Atkinson*  
[91] APPLICATION OF A NOVEL VIRUS DETECTION SYSTEM IN ROCKY MOUNTAIN BIGHORN SHEEP IN MONTANA
- 2:15p *Rachael Y. Dudaniec*  
[92] THE USE OF MICROSATELITES TO INFORM FUTURE MANAGEMENT OF A DEADLY FLY PARASITISING DARWIN'S FINCHES, GALAPÁGOS ISLANDS

## THURSDAY

**2:30p Preview of WDA 2008 Conference & Passing of the Presidential Gavel**

2:45p BREAK

### 3:15P–5:00P NEW TOOLS FOR WILDLIFE DISEASE MANAGEMENT, CONTINUED

3:15p *Todd K. Shury*  
[93] PRELIMINARY EVALUATION OF BLOOD-BASED ASSAYS FOR THE DIAGNOSIS OF BOVINE TUBERCULOSIS IN ELK FROM THE RIDING MOUNTAIN NATIONAL PARK REGION

3:30p *Kurt C. VerCauteren*  
[94] SENTINEL-BASED SURVEILLANCE OF COYOTES TO DETECT BOVINE TUBERCULOSIS IN MICHIGAN

3:45p *Marty K. Soehnlén*  
[95] DEVELOPMENT OF RECOMBINANT RABIES VIRUSES FOR ORAL WILDLIFE VACCINATION

4:00p *Pauline Nol*  
[96] IMMUNOLOGIC RESPONSES & PROTECTION IN ELK VACCINATED WITH *BRUCELLA ABORTUS* STRAIN RB51 OVER-EXPRESSING SOD & WBOA & CHALLENGED WITH VIRULENT *B. ABORTUS*

4:15p *Bonnie L. Raphael*  
[97] COMPARISON OF DIFFERENT METHODS OF ADMINISTRATION OF CANINE DISTEMPER VACCINE TO AFRICAN WILD DOGS

4:30p *Joseph K. Gaydos*  
[98] DEVELOPING A SURGICAL TECHNIQUE FOR IMPLANTING TRANSMITTERS IN WESTERN GREBES

4:45p *F. Joshua Dein*  
[99] AN INTRODUCTION TO WILDLIFE DISEASE INFORMATICS

**5:30p Buses Depart for Banquet      Walter G. Ruesch Auditorium 5:30p-5:45p**

**6:00p Banquet      Lake Shore Lodge, Estes Park 6:00p-10:00p**

## FRIDAY

**7:30a Registration      Walter G. Ruesch Auditorium 7:30a-8:30a**

### 8:30A-11:30A WORKSHOPS

SPATIAL EPIDEMIOLOGY: TECHNIQUES & APPLICATIONS (SEE PG. 124)      MAIN AUDITORIUM (WGRA)

WILDLIFE FORENSICS (SEE PG. 125)      BILHEIMER/DODGE (WGRA)

NEW FIELD ANESTHESIA TECHNIQUES & DRUGS [194-198] (SEE PG. 126)      HOBBS (WGRA)

LEARNING LAB: A WILDLIFE DISEASE MANAGERS' MODEL (SEE PG. 130)      SWEET (WGRA)

11:30a Lunch

### 12:00P-3:00P WORKSHOPS

CHRONIC WASTING DISEASE [199-207] (SEE PG. 131)      MAIN AUDITORIUM (WGRA)

AVIAN INFLUENZA [208-217] (SEE PG. 137)      BILHEIMER/DODGE (WGRA)

WILDLIFE DISEASE INFORMATICS [218] (SEE PG. 143)      HOBBS (WGRA)

PLAGUE ECOLOGY [219-220] (SEE PG. 144)      SWEET (WGRA)

**3:00p Ice Cream Social      Walter G. Ruesch Auditorium 3:00p-3:30p**