

SUPPLEMENT TO THE JOURNAL OF WILDLIFE DISEASES

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President's Corner

Two years as President of WDA have come to an end for me. Two years pass quickly and it is now time for others to be in office. I wish our new president Scott Wright and other officers and members of council good luck. I am fully confident that you all will do a great job.

It was with great respect that I two years ago entered the podium and received the WDA Gavel from Paul Barrows. I was very honoured that you had elected me. At the same time I was surprised that you had the courage to elect a non-North American President who had obvious problems with distinguishing between has and have. Language is a problem for someone who does not have English as their primary language. Even if it sometimes sounded like I knew what I was saying, several times I have been totally wrong!

I have during these two years as president had the opportunity to attend the meetings of the Australasian, Middle East and African, European, and Nordic sections. A great thanks to all sections for your hospitality. These have been fantastic meetings with all together several hundred people attending. Wonderful people. The meetings have taken place in different parts of the world with different habitats and ecology. However, the diseases are very much the same, and many animals as well. Bovine tb, rabies, tularemia, brucellosis, avian influenza, and more, they are a concern to all of us! It is so obvious that nowadays diseases of wildlife are not national or continental issues. Wildlife diseases are a global issue, independent of whether we are talking about pure wildlife diseases, diseases transmissible between wildlife and domestic animals, or zoonoses. This is one very important reason why the WDA is urgently needed in the world. The WDA has a mission to "*acquire, disseminate, and apply knowledge of the health and diseases of wild animals in relation to their biology, conservation, and interactions with human and domestic animals*", in both a national and global perspective. This is what is written in the Constitution. With our knowledge, we should help the world to find ways to prevent wildlife diseases moving into new areas and new species, including man, and to manage wildlife populations in ways so the impact of wildlife diseases is according to the ecological rules. We need to expand our views and make ourselves better known on the international scene. We do not any longer only work with diagnosing diseases. We are needed in the management of wildlife populations on a global level.

After two years as president I will now chair the Nominations Committee. If you are interested in working for the WDA or you know someone who is please let me, or our Executive Manager, know. There is more information about this procedure on the home page. I will also chair the Long Term Vision Committee, a committee that shall look into the future and try to find ways for our organization to improve in the future. And there are big challenges out there. One is the Journal and the electronic future. Our journal is the most economically important issue for the WDA, and it is crucial that we can produce it in the future with a sound economic base. Another important issue is membership of the

WDA. Too many people working with wildlife diseases are not members of the WDA. Many of them are in North America, but the majority are in other parts of the world.

We urgently need more members for the future. We need to grow. This is true for several reasons. Basically, the more people the more expertise and experience. Another very important one is that our members constitute the financial base for the WDA. Another is that more members give the WDA a better profile involving more institutions and politicians, and the media will listen to us as an important voice in the field of wildlife diseases. Today we are not very well known. The WDA also has a role to support the field of wildlife diseases, as stated in our Constitution. It is our field of interest. There are several important tasks that we all need to work on. I will try to do my best and I hope for and trust on your contribution.

Finally I would like to thank all officers and members of Council, all section and committee members, our executive manager Ed Addison, and all members for the support and help during these two years. It has been great fun, as it always is to be involved with WDA!
I look forward to next year's meeting in the USA.

-Torsten Mörner, Past President

WDA NEWS

The 54th Annual Meeting of the WDA, Cairns, Australia June 26 to July 1, 2005. This year's annual meeting was held in Cairns, Queensland, Australia. The theme of the conference was "Wildlife Health in a Shrinking World: Ecology, Management, and Conservation" a subject that attracted close to 300 registrants and featured nearly 200 posters and presentations. Excellent symposia were held during the week addressing the ecology of introduced wildlife diseases, management of diseases in wildlife, health of marine ecosystems, amphibian diseases and population declines, and wildlife health in the tropics. Cairns is located in tropical north Queensland, from where participants were able to explore lush rainforests, walk on beautiful beaches, and experience the amazing Great Barrier Reef, to name a few of the multitude of extraordinary sites to visit. The banquet was held at Hartley's Crocodile Farm, which included a boat trip amongst the farm's biggest resident salties, as well as hearty helpings of crocodile sausages and grilled kangaroo. Under the intense scrutiny of a disconcertingly large croc, much deserved recognition was bestowed upon students as well as Dr. David Spratt, who received the WDA's Emeritus Award, and Dr. David Schultz, who earned this year's coveted Duck Award (details to come)! As a bonus, those in attendance were treated to the story about how this award came to be by Dr. Scott Wright, winner of the first ever Duck Award. If you have yet to become familiar with this particular piece of WDA history, we invite you to come to the next annual meeting in Storrs, Connecticut. Perhaps at one of the many social events, the origins of the Duck Award will once again be divulged.

Naturally, everyone who came to the Cairns meeting encountered a mind-boggling variety of strange and fascinating flora and fauna. But one could not possibly leave Queensland without also having accumulated a cache of warnings and anecdotes related to how humans can effectively achieve an early and guaranteed unpleasant demise in this part of the world. A rather notable quote came from an ex crane operator named Pete who resides in the Daintree rainforest north of Cairns. When asked whether stingrays (a jellyfish that frequents the coast in high numbers during the Australian summers) can kill you, he replied, "If you get caught by stingrays, you may as well put your head between your legs and kiss your ___ goodbye!" I think we can all say that the conference was well worth the risks, and we thank Lee Skerratt and Lee Berger, and the many others who helped organize the meeting, for an absolutely fantastic time!



Dr. David Schultz receiving the Duck Award from Dr. Scott Wright

Dave Spratt wins the WDA Emeritus Award. Dr. David Spratt was awarded the WDA's Emeritus Award at the 2005 international meeting in Cairns, Australia. Dave earned a B.Sc. in Biology at the University of Toronto in 1965, an M.Sc. in Zoology at the University of Toronto in 1966, and a Ph.D. in Parasitology at the University of Queensland in 1970. Over the years he has held many posts in which he has made significant contributions to the fields of parasitology and wildlife disease, and has applied this experience towards research efforts involving ecosystem health and sustainability, as well as to the management of invasive species. Dave's work has led to the publication of over 100 refereed articles, he has mentored numerous post graduate students, and has received an impressive number of awards and grants. Dave has been a WDA member of long standing and has given valuable service to the WDA as an assistant editor of the Journal of Wildlife Diseases for 20 years! Recently, he was made a life member of the Australasian Section of the WDA. Dave retired from a long career as a wildlife parasitologist at the Commonwealth Scientific Industrial Research Organisation of Australia in 2001.



Congratulations, Dr. David Spratt!

Dr. David Spratt receiving the WDA Emeritus Award from Dr. Ian Barker

WDA STUDENT ACTIVITIES

STUDENT AWARDS 2005

This year's student lineup was, as always, exceptional. The Student Awards Committee members, headed up by Todd Cornish, definitely had their work cut out for them. Not only did they have the difficult tasks of deciding the winners of the Graduate Student Research Recognition Award and the WDA Scholarship Award, but the Terry Amundsen Student Presentation Competition was possibly the largest in WDA's history. Forty-five students gave presentations during the event, and the talks were all excellent. There were initially so many students interested in participating that a student poster competition was added to the schedule to accommodate everyone. Our hats off to all the folks who volunteered to judge the sessions. The results are as follows:

WDA Terry Amundsen Student Presentation Award

| | | |
|--------------------------|-------------------|--|
| Emily Jenkins | WINNER | Effects of climate warming on epizootiology of northern host parasite systems |
| Janice Joss | HONORABLE MENTION | Immunomodulatory compounds in marsupial milk |
| Stephanie Godfrey | HONORABLE MENTION | Blood parasite prevalence and infection intensity in <i>Egernia stokesii</i> in relation to transmission type and social structure of host populations |

WDA Student Poster Award

| | |
|-----------------------|--|
| Chris Whittier | Real-time PCR detection of <i>Campylobacter</i> in wild mountain gorillas (<i>Gorilla beringei beringei</i>) |
|-----------------------|--|

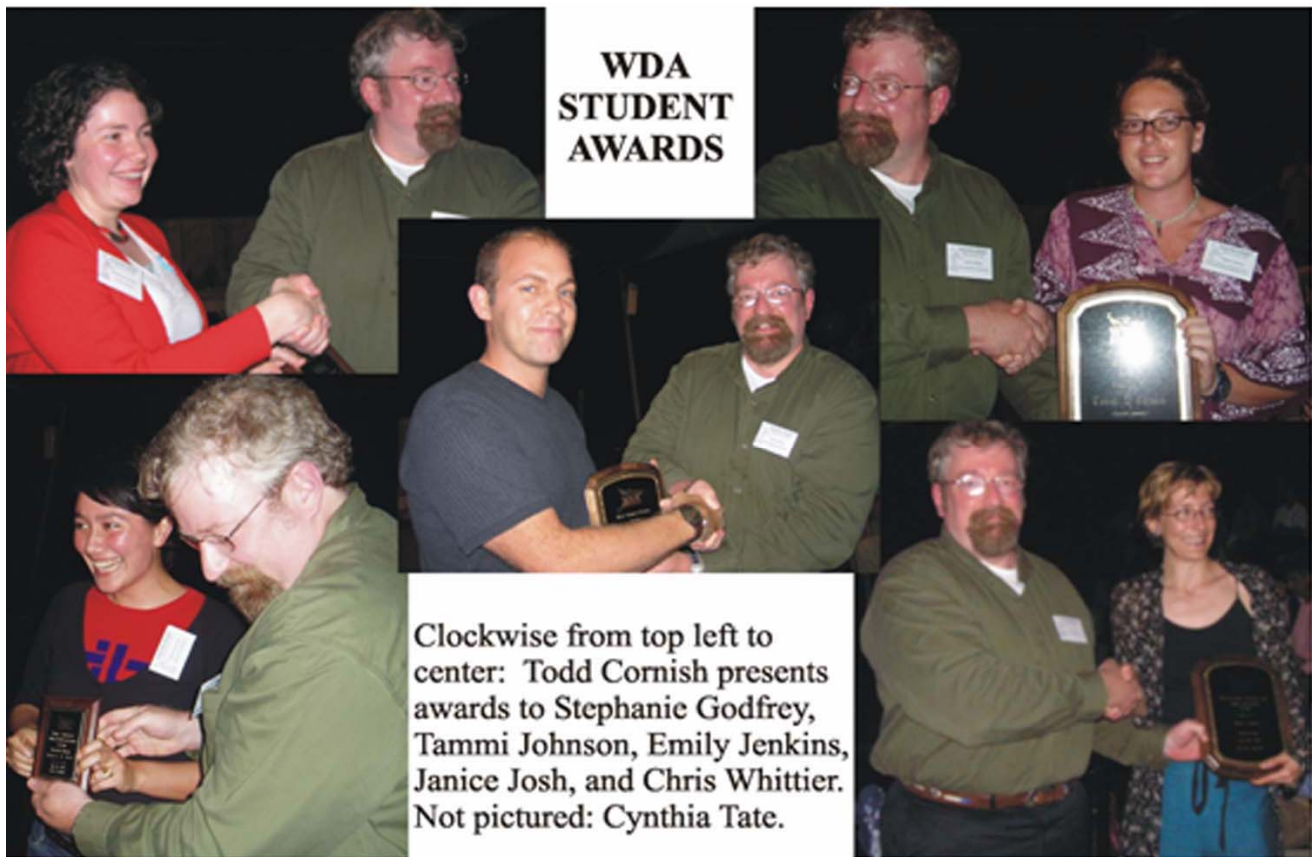
WDA Graduate Student Research Recognition Award

Tammi Johnson

WDA Scholarship Award

Cynthia Tate

Chris Whittier



Congratulations to all the winners and to everyone who participated in the 2005 WDA Student Awards Program!

ATTENTION MENTORS AND ADVISORS! Please encourage your students to apply for WDA's student awards. Each year, the WDA sponsors a competition for student awards. Students are encouraged to apply for three awards. The WDA Student Awards Committee judges the research and scholarship awards. Members of the attending audience at the annual WDA meeting judge the Terry Amundsen Award. Criteria upon which each award is judged are available on the WDA website at the following URL: http://www.wildlifedisease.org/Student/Student_Awards.htm. These awards are non-renewable and can be received only once by a given candidate. For further information, please contact Dr. Todd Cornish, Wyoming State Veterinary Laboratory, University of Wyoming, 1174 Snowy Range Road, Laramie, WY 82070 (TCornish@uwyo.edu).

Wildlife Disease Graduate Student Research Recognition Award: This award is given to the student judged to have the best research project in the field of wildlife disease, based on written communication and scientific achievement. The winner receives a plaque and up to \$2000 US to cover travel, housing, registration, etc. related to the annual conference. The student is the featured presenter during the Student Presentation Session at the conference.

Wildlife Disease Association Scholarship: This scholarship acknowledges outstanding academic and research accomplishment, commitment, and potential in pursuit of new knowledge in wildlife disease or health. The scholarship has a value of \$2000 US and is awarded annually to an outstanding student who is pursuing master's or doctoral degree specializing in research on wildlife disease. To be considered, the candidate must have completed a four-year baccalaureate degree. Candidates with an overall grade point average of 3.5 or above in 4.0 system or 80% or better in percentage system will receive priority. The candidate should be committed to leadership, scholarship, and service in the wildlife health profession.

Terry Amundsen Student Presentation Award: This award acknowledges outstanding oral presentation of research findings. Winner receives \$250.00 and a plaque. To be considered, the student must give an oral presentation of their topic of choice to participants in the special student session of the annual WDA meeting.

Launching of the EUROPEAN STUDENT CHAPTER of the WILDLIFE DISEASE ASSOCIATION! We are pleased to announce the creation of the **EWDA Student Chapter**, the European Student Chapter of the Wildlife Disease Association! With a prime objective to promote shared knowledge between established researchers and wildlife disease students. Subscribe to the *EWDA discussion E-list*, learn about the latest wildlife health and disease news, job and education opportunities, and discuss and debate wildlife health hot topics! Participate in the *EWDA Student Workshop* (See New from the European Section), enhance your wildlife disease researcher skills, and meet renowned scientists and potential mentors! Don't miss the *EWDA Conference Student Mixer*, develop international relationships with students from all over Europe and beyond, and have fun!

Whether you are undergraduate, MSc, PhD, or post-doc, become TODAY a EWDA Student Chapter MEMBER!

Membership form and all you need to know are on the student page of the EWDA website (European section of the Wildlife Disease Association: www.ewda.org).

-Leslie A Reperant, *EWDA Student Representative* (reperant@Princeton.EDU).

HAPPENINGS IN THE FIELD

USGS/National Wildlife Health Center's Quarterly Wildlife Mortality Report

Disease in western snowy plovers and gulls along the southern California coast. In early February 2005, U.S. Fish and Wildlife Service biologists began receiving reports of sick and dead adult western snowy plovers (*Charadrius alexandrinus nivosus*) along the California coast from the northern end of San Diego Bay to the Mexican border. This segment of coastline contains many active and inactive military sites and receives input from rivers containing industrial, agricultural, and urban wastewater. By the middle of May 2005, twenty-one sick or dead adult western snowy plovers had been recovered. The Pacific coast population of the western snowy plover was listed as federally threatened in 1993 and this was a significant proportion of the breeding population in the area. Sick birds were alert, showed no interest in eating, were unable to fly, and many were unable to stand. Birds were in fair to good body condition. Morbidity and mortality in western snowy plovers with clinical signs of nervous system impairment was first observed in this area in 2002 and the incidence of affected adult birds has increased every year. Similar clinical signs have also been reported in several species of gulls in the area during the last two years. Diagnostic evaluation of affected western snowy plovers and gulls by the San Diego County Veterinary Diagnostic Lab and the California Animal Health and Food Safety Lab has found no infectious or toxic disease agents to date. Similar disease has not been observed in other populations of western snowy plovers or gulls along the southern California coast.

High numbers of birds fatally oiled in California. The University of California Davis, International Bird Rescue Research Center, and California Fish and Game Office of Spill Prevention and Response reported a petroleum spill into the Santa Clara River on January 11, 2005 that dispersed along 80 miles of the Ventura and Los Angeles County coastlines. An estimated 3,000-5,000 birds were oiled and died. Birds that concentrate off shore, including Clark's and western grebes and common loons were most affected in the spill. There were 1,400 birds brought in for rehabilitation and over 300 died or were euthanized because of their injuries. This oil spill was stated to be the most damaging to wildlife since a 1990 tanker spill. Efforts to pinpoint the source of this spill were unsuccessful.

Visceral gout in snow geese and tundraswans. Visceral gout was determined as the cause of death in snow geese submitted to the NWHC during January from Pasquotank County North Carolina, March in Mackey Island NWR North Carolina, and February from Back Bay NWR in Virginia. There were no kidney parasites present and bacteriology and virology yielded no significant findings. Severe acute renal tubular necrosis was present with no inflammation and exposure to a nephrotoxin was suspected. A corn sample from Virginia was tested for nephrotoxins (Ochratoxin A, Citrinin, Oosporein) and results were negative (below detectable limits). Similar episodes of visceral gout occurred in the same species in Virginia in 1980 and 1981 and in North Carolina in 1979, 1992, 1994, and 2002.

Salmonellosis confirmed in migrating songbirds in Oregon and California. The first west coast outbreak of salmonellosis this winter was reported in pine siskins and redpolls in Juneau, Alaska in November 2004, followed by outbreaks involving pine siskins and American goldfinches in Oregon in December 2004 and Wyoming and California in February 2005. The source of salmonella infections in migrating passerines has not been determined.

Quarterly Wildlife Mortality Report
January 2005 to March 2005

| State | Location | Dates | Species | Mortality | Diagnosis | Reported by |
|-------|---------------------------------|-------------------|---|-----------|----------------------------|-------------|
| AK | Fairbanks, North Star Borough | 01/03/05-02/18/05 | Common Redpoll | 110 (e) | Enteritis | AK |
| AZ | Pima County | 06/01/04-04/15/05 | Collared (Javelina) Peccary | 60 (e) | Salmonellosis | AZ, |
| AZ | Santa Cruz County | 12/18/04-02/06/05 | Chiricahua Leopard Frog | 7 | Fungal Infection: chytrid | NW |
| AZ | Yavapai County, Cottonwood | 01/14/05-01/21/05 | House Sparrow | 6 (e) | Salmonellosis | NW |
| CA | Los Angeles County | 01/11/05-02/07/05 | Western Grebe Eared Grebe Clark's Grebe Scoter, Surf Brandt's Cormorant | 5,000 (e) | Toxicosis: petroleum (oil) | UCD |
| CA | Mission Beach to Mexican border | 02/09/05-ongoing | California Gull Western Gull Western Snowy Plover Herring Gull Ring-Billed Gull | 110 (e) | Open | SDC |
| CA | San Diego to Mexican border | 03/30/04-07/1/04 | Western Snowy Plover | 17 | Open | FWS |
| CA | Santa Cruz to Eureka | 02/01/05-05/01/05 | Pine Siskin American Goldfinch | 2,400 (e) | Salmonellosis | CFG |
| CA | Sacramento NWR, | 02/17/05-02/18/05 | House Sparrow Shoveler Gadwall | 10 (e) | Open | NW |
| CA | San Joaquin River | 12/20/04-02/04/05 | Herring Gull Aleutian Canada Goose | 222 | Avian cholera | NW |

| | | | | | | |
|----|----------------------------------|-------------------|--|-----------|--|--------|
| | NWR | | American Coot Ross' Goose Snow Goose Shoveler | | | |
| FL | Hernando Co. | 03/01/05-03/08/05 | Bullfrog Southern Leopard Frog Gopher Frog | 1,000 (e) | Parasitism: Perkinsus-like organism | NW |
| FL | Putnam County | 03/19/05-03/26/05 | Bullfrog Gopher Frog Southern Leopard Frog | 31 (e) | Parasitism Perkinsus-like: organism | NW |
| GA | Cobb County | 01/19/05-01/20/05 | Unidentified Sparrow Northern Cardinal White-Throated Common Grackle | 5 | Trauma | SCW |
| GA | Madison County, Hull | 02/16/05-02/18/05 | American Robin European Starling | 40 (e) | Toxicosis: diazinon | SCW |
| GA | Turner Co, GA | 02/23/05-02/23/05 | European Starling | 6 | Toxicosis: organophosphorus compd. suspect | SCW |
| KY | Fort Knox, Hardin Co. | 01/20/05-01/20/05 | European Starling | 60 (e) | Open | USA |
| MD | Harford Co | 02/01/05-03/14/05 | Common Grackle | 72 (e) | Trauma | NW |
| MD | Howard Co., Columbia Mall | 02/09/05-02/09/05 | Cedar Waxwing | 28 | Open: toxicosis | NW |
| MD | Queen Anne's Co., | 03/14/05-03/14/05 | Canada Goose | 6 | Lead | SCW |
| MN | Park Rapids area | 02/12/05-03/15/05 | Common Redpoll Pine Siskin American Goldfinch Evening Grosbeak | 45(e) | Salmonellosis | MN |
| MT | Lake County, Moiese | 11/13/04-01/30/05 | Mallard | 75 (e) | Aspergillosis | NW |
| MT | Near Ninepipes NWR, Ronan | 03/01/04-03/01/04 | Painted Turtle | 68(e) | Open | NW |
| MT | Stinger Creek Headwaters | 03/22/05-03/22/05 | Columbia Spotted Frog | 5 (e) | Trauma | NW |
| NC | Currituck Co, Mackey Island NWR | 03/03/05-03/06/05 | Snow Goose | 28 | Gout: visceral | NW |
| NC | Pasquotank County | 01/14/05-01/28/05 | Tundra (Whistling) Swan Snow Goose | 161 (e) | Gout: visceral | NW |
| NE | Alliance | 04/01/04-04/15/05 | Red-Winged Blackbird | 15 (e) | Open | NW |
| NE | Rainwater Basin WMD | 02/15/05-03/22/05 | Snow Goose Mallard Pintail | 150 | Avian cholera | NW |
| NV | White Pine County, | 01/04/05-01/30/05 | Northern Flicker Screech Owl | 17 | Open | NW |
| NY | Staten Island, Richmond Co. | 10/01/04-10/01/04 | Eastern Cottontail | 10 (e) | Tularemia | CDC |
| OR | Oregon west of the Cascade Range | 12/15/04-3/15/05 | House Finch American Goldfinch Pine Siskin Great Black-Backed Gull Mute Swan | 1,200 (e) | Salmonellosis (S. typhimurium) | OR |
| PA | Westmoreland Co | 03/01/05-03/01/05 | Boat-tailed Grackle | 3 | Parasitism: Schistosomiasis suspect | NW, PA |
| SC | Georgetown County | 03/11/05-03/12/05 | Brown-Headed Cowbird American Robin European Starling Snow Goose | 50 (e) | Toxicosis: acephate (OP) | SCW |
| TX | Houston | 03/10/05-04/10/05 | Trumpeter Swan Tundra (Whistling) Swan | 1,000 (e) | Open | NW |
| VA | Virginia Beach County | 02/21/05-03/31/05 | Bald Eagle | 200 (e) | Gout: visceral | NW |
| WA | Coastal areas Puget Sound | 12/01/04-ongoing | Red-Winged Blackbird Common Grackle | 268 | Lead poisoning | BC, WA |
| WI | Columbia County | 01/24/05-03/10/05 | Pine Siskin American Goldfinch | 5 | Trauma: impact | NW, WI |
| WV | Pocahontas County | 03/14/05-03/14/05 | | 34 (e) | Toxicosis: Famphur | SCW |
| WY | Goshen County | 02/09/05-02/17/05 | | 24 (e) | Salmonellosis | WY |

Updates/Correctons

| | | | | | | |
|-----|----------------------|-------------------|---|-----------|-----------------|-----|
| ONT | Lake Ontario, Canada | 08/21/04-01/31/05 | Long-Tailed Duck Double-Crested Cormorant Herring Gull Common Loon Ring-Billed Gull | 1,600 (e) | Botulism type E | TOR |
|-----|----------------------|-------------------|---|-----------|-----------------|-----|

| | | | | | |
|----|-------------------------|-------------------|---|---------------------------|-------------------|
| PA | Presque Isle State Park | 06/18/04-01/15/05 | Common Loon Long-Tailed Duck Ring-Billed Gull Herring Gull | 1,000 (e) Botulism type E | CCW, NW, NY |
|----|-------------------------|-------------------|---|---------------------------|-------------------|

(e) = estimate

Alaska Fish and Game Department (AK), Arizona Game and Fish Department (AZ), B.C. Ministry of Environment (BC), Canadian Cooperative Wildlife Health Center (CCW), Center for Disease Control (CDC), California Fish and Game Wildlife Investigations Lab (CFG), Minnesota Department of Natural Resources (MN), USGS National Wildlife Health Center (NW), New York State Dept. of Environmental Conservation (NY), Oregon Dept. of Fisheries and Wildlife (OR), Animal Diagnostic Laboratory, Pennsylvania State University (PA), Southeastern Cooperative Wildlife Disease Study (SCW), San Diego County Veterinary Diagnostic Laboratory (SDC), Environment Ministry Laboratory of Toronto (TOR), Wyoming Game and Fish (WY), Washington Animal Disease Diagnostic Laboratory (WA), Wisconsin Department of Natural Resources (WI), US Army, Fort Meade (USA), University of California Davis (UCD), US Fish and Wildlife Service (FWS).

Written and compiled by Rex Sohn, Western US, Kathryn Converse, Central US, Emi Saito/Grace McLaughlin - Eastern US, NWHC. The Quarterly Wildlife Mortality Report is available at <http://www.nwhc.usgs.gov>. To report mortality or receive information about this report, contact the above NWHC staff, e-mail: kathy_converse@usgs.gov, or for Hawaiian Islands contact Thierry Work. Phone: (608) 270-2400, FAX: (608) 270-2415 or write USGS National Wildlife Health Center, 6006 Schroeder Road, Madison, WI 53711.

WDA SECTION NEWS

News from the European Section

EWDA WEBSITE - www.ewda.org. Visit the EWDA website and find information on conferences, members interests, publications and lots more. The website is kindly provided free of charge by the UK Central Science Laboratory. We are currently considering a new look for the site so if you have any further suggestions or material then please send them to r.delahay@csl.gov.uk.

EWDA Student Workshop. The First EWDA Student Workshop was held from April 28th to May 1st 2005 at the Conference Centre of the Merieux Foundation – Les Pensieres, Veyrier-du-Lac, France, and was a great success!

Thirty-six students and twelve speakers from 11 European countries, the United States, and Mexico attended the First EWDA Student Workshop. The theme of the workshop was emerging diseases and zoonoses in wildlife reservoirs, and covered disease investigation, ecology, and management. Presentations from the speakers were followed by student presentations, after which small groups of students joined each of the established researchers for a "student working session" to discuss related topics in a more convivial atmosphere, either inside the handsomely designed meeting rooms or outside in the gorgeous park of the Les Pensieres Conference Centre. The fantastic sharing of the speakers' experiences, knowledge, and motivation has already produced calls for a Second EWDA Student Workshop, and we all hope that it will be established every two years in a European country.

The First EWDA Student Workshop was supported by the Conference Centre Les Pensieres, the Conseil General de Haute-Savoie, the Veterinary School of Lyon and its student association, the French Game and Wildlife Agency, Novartis Animal Health Inc., Sanofi-Pasteur, and Merial. To learn more about the EWDA Student Workshop, please visit the EWDA website. Leslie A. Reperant, EWDA Student Representative, reperant@Princeton.EDU.

Submissions to the European Section. Material for publication in News from Europe can include recent wildlife disease outbreaks and new diseases in Europe, short case and meeting reports; job, and scholarship announcements. We encourage submissions, and will help with the English language, if required. The deadline for the next issue is August 2005.

Please mail, fax or e-mail submissions to, Paul Duff, VLA Diseases of Wildlife, VLA Penrith, Merrythought, Calthwaite, PENRITH, Cumbria, CA11 9RR, United Kingdom, e-mail p.duff@vla.maff.gsi.gov.uk Fax ++44(0)-1768-885314 /phone ++44(0)-1768-885295.

WDA SECTION CHAIRS AND CONTACT INFORMATION

African Section. For information regarding the African Section, contact Elizabeth Wambwa, Kenya Wildlife Service, P.O. Box 40241, Nairobi, Kenya. Telephone: 254-2-504180; Fax: 254-2-505866; email: ewambwa@yahoo.com

Australasian Section. For information regarding the Australasian Section, contact Tim Portas, Western Plains Zoo, P.O. Box 831, Dubbo, NSW 2830, Australia. Phone: 61 2 6881 1460; Fax: 61 2 6884 1496; email: tportas@zoo.nsw.gov.au.

European Section. For information regarding the European Section, contact Marc Artois, ENVL, Unite Pathologie Infectieuse, BP83, 69280 Marcy l'Etoile, France, Telephone: 33-487-87-27-74, email: m.artois@fvvet-lyon.fr.

Nordic Section. For information regarding the Nordic Section, contact Eric Agren, Department of Wildlife, National Veterinary Institute, SE-751 89 Uppsala, SWEDEN, Phone +46 18 67 40 00 Fax +46 18 30 91 62 or E-mail: Erik.Agren@sva.se.

Wildlife Veterinarian Section. For information regarding the Wildlife Veterinarian Section, contact Dave Jessup, California Department of Fish and Game, 1451 Shaffer Rd., Santa Cruz, CA 95060, USA. Telephone: 831-469-1726, email: djessup@ospr.dfg.ca.gov.

JOB ANNOUNCEMENTS

Visit the JWD website at <http://www.wildlifedisease.org/Jobs.htm> for up to date job listings.

Wildlife Disease Ecologist. The Daniel B. Warnell School of Forest Resources and the College of Veterinary Medicine at the University of Georgia invites applications for a 12-month, tenure-track faculty member (teaching, research, and service). The successful applicant will have a Ph.D. degree, with academic training and experience in biomedical sciences and wildlife biology. The successful candidate will be responsible for developing a research program in wildlife health or wildlife involvement in zoonotic or domestic animals diseases to include a mix of both field and laboratory studies. Candidates should provide evidence of research productivity and the potential to attract extramural research funding, along with a willingness to teach undergraduate and graduate courses in wildlife diseases. Applications should include a curriculum vitae, statement of teaching and research interests, names and contact information for three references, copies of transcripts of college-level work, and copies of selected research publications. Application deadline is November 1, 2005. Full position description is available at <http://www.uga.edu/wsfr/> Send application package to: Dr. Karl V. Miller, Daniel B. Warnell School of Forest Resources, University of Georgia, Athens, GA 30602. Email: kmiller@smokey.forestry.uga.edu. The University of Georgia is an Equal Opportunity/Affirmative Action Institution

Staff Veterinarian, HSUS. The Humane Society of the United States is seeking a Staff Veterinarian to care for wildlife patients admitted to the Cape Wildlife Center, TheHSUS's wildlife rehabilitation center on Cape Cod. Additional responsibilities include maintaining complete and accurate records of animals presented to the center; supervising and educating student externs, seasonal staff, and volunteers on veterinary wildlife care, husbandry and other wildlife related issues. Other duties include assisting in rehabilitation activities, animal care, telephone services/hotline, record keeping, and other duties or projects as needed by the facility or requested by the director. This position

requires a D.V.M. or V.M.D. degree from an accredited school of veterinary medicine; a current Massachusetts state veterinary license; and a current Massachusetts rehabilitator's license. This position additionally requires knowledge of the wildlife of southern New England; experience with wildlife and/or exotic pet medicine and surgery; experience with avian medicine and surgery; and experience with wildlife rehabilitation. You must have experience in supervising others; effectiveness in teaching; excellent interpersonal and supervisory skills; and a willingness and ability to work under pressure. This position requires occasional after hours work on an emergency basis. Salary high \$30k's to \$40k plus exceptional benefits package. Please submit your curriculum vitae and a cover letter, including salary history, to Mr. Robert Fearn at rfearn@hsus.org; The HSUS, attn: Robert Fearn, 185 Meadow Lane, West Barnstable, MA 02668; fax 508-362-0268.

TRAINING/EDUCATIONAL OPPORTUNITIES

Visit the JWD website at <http://www.wildlifedisease.org/Training.htm> for more information on training opportunities.

Dallas Zoo and Dallas Aquarium Veterinary Student Preceptorship. A four to eight-week preceptorship offers exposure to clinical zoo and aquarium veterinary practice at a large metropolitan zoo. The student will work closely with the veterinary and keeper staff and receive an introduction to husbandry, restraint/immobilization, basic medical procedure techniques, and necropsies of zoo animals, the unique aspects of veterinary management of animals in a zoo setting, and the MedARKS recordkeeping system. An onsite library is available for use. Responsibilities will be assigned based on the student's areas of interest and experience level. The student is expected to complete a project and present results to the veterinary staff, and will be responsible for local transportation, housing, and food. Applicants should be a fourth year veterinary student (or in final year of non-U.S. veterinary program) and have completed four weeks of a clinical medicine or surgery rotation before the start of the preceptorship. Negative tuberculin skin test within 60 days of the start of the preceptorship, current tetanus vaccination, and personal health insurance are required. Applicants should send a letter of intent, curriculum vitae, contact information for three references, and the name of their Zoo/Exotic Animal advisor to: Tim Storms, Associate Veterinarian at Dallas Zoo and Dallas Aquarium, 650 South R.L. Thornton Fwy., Dallas, Texas 75203-2996.

Training Available in Fish Diagnostics, Inspections, and Laboratory Methods. The US Fish and Wildlife Service Fish Health Centers provide laboratory and field examination services to the National Fish Hatcheries. Our main emphasis is to assist the hatcheries in producing quality fish that will contribute to the enhancement and restoration of aquatic ecosystems. At the Olympia and Idaho Fish Health Centers, the work may involve travel to field sites to perform diagnostic examinations and collect samples that are then evaluated in our laboratories. Routine testing procedures include bacteriology (biochemical, ELISA, and PCR methods), virology (cell culture, serological, and PCR methods), parasitology (microscopic and PCR methods), histology, and clinical chemistry. Training may be arranged for one day or several weeks at one or both of these laboratories depending on the interests and availability of the individual. In general, most broodstock inspections are performed from September through November, juvenile inspections are performed from January through April, and wild fish surveys are conducted from March through September. Routine diagnostic examinations are performed year round and special projects are conducted as time and necessity permit. For more information, please contact Joy Evered DVM, at the Olympia Fish Health Center; email joy_evered@fws.gov or Marilyn Blair DVM, at the Idaho Fish Health Center; email marilyn_j_blair@fws.gov.

Sr. Veterinary Student Preceptorship in Avian and Conservation Medicine. A four to six-week preceptorship in Avian and Conservation Medicine is being offered to a senior-year veterinary student by the International Crane Foundation (ICF) in Baraboo, Wisconsin. The preceptor will train with the Veterinary Services Unit of the Conservation Services Department in all phases of the clinical practice, but have opportunities for interaction with the Crane Conservation Department to learn captive propagation, husbandry, and management of this unique family of birds. The preceptor can expect to gain practical experience in crane capture, transport, anesthesia, preventive medicine, disease surveillance, and the contribution of veterinary medicine to crane conservation including field project support and professional consultations. Preceptors are encouraged to complete and report on a research or laboratory project during their stay. Opportunities for visiting the University of Wisconsin School of Veterinary Medicine and the National Wildlife Health Center in Madison, WI will be made available to interested preceptors. No stipend is available for this position; however, on-site housing in the ICF Guesthouse will be provided depending on availability at the time the preceptorship is scheduled. Applicants should send a cover letter, curriculum vitae, or resume and one letter of recommendation from a faculty member of their home institution to: Barry Hartup, DVM, Director of Veterinary Services, International Crane Foundation, E-11376 Shady Lane Road, Baraboo, WI 53913, email hartup@savingcranes.org. Please view our website at www.savingcranes.org.

Directory of Post-Graduate Educational Opportunities in Zoo and Wildlife Medicine. The World Association of Wildlife Veterinarians has recently produced a Directory of Post-Graduate Educational Opportunities in Zoo and Wildlife Medicine. The Directory covers opportunities in over fifty countries and is a must for veterinary students or graduates interested in furthering their careers in the field of wildlife medicine. For further information, please contact the Secretary of the WAWV at: F.Scullion@zoo.co.uk.

MEETING AND CONFERENCE ANNOUNCEMENTS

Visit the JWD website at <http://www.wildlifedisease.org> for more conference listings.

Raptor Research Foundation Conference. October 12-16, 2005. Green Bay, Wisconsin, USA.

The meeting will be held at the KI Convention Centre in Green Bay, Wisconsin (<http://www.regencygb.com/convention.html>) and hosted by the Cofrin Centre for Biodiversity, which is part of the University of Wisconsin, Green Bay (<http://www.uwgb.edu/biodiversity>).

Joint Conference of The American Association of Zoo Veterinarians and the American Association of Wildlife Veterinarians. October 14-21, 2005.

The American Association of Zoo Veterinarians and the American Association of Wildlife Veterinarians will be holding a joint conference in Omaha, NE October 14-21, 2005. Topics for sessions will include: Nutrition; Health Issues Associated with Mixed Species and Complex Exhibits; Preventative Medicine/Reproduction and Contraception; Legislative and Regulatory Issues; Hoofstock, Carnivores, and Small Mammals; Herps/Invertebrates/Aquatics; Avians; Primates; Case Reports; Conservation Projects in your Backyard and Conservation Updates; Guidelines for Veterinarians Working Abroad and Reports from the Field; Wildlife Epidemiology using Remote Imaging and Sensing Technologies; Anesthesia; and Emerging and Zoonotic Diseases of Captive and Free-ranging Wildlife. For additional conference information, please visit the AAZV website at <http://www.aazv.org>. Deadline for submission of titles to session chairs was March 16, 2005.

The XVI International Conference Rabies in the Americas (RITA). October 16-21, 2005. The 16th International Conference Rabies in the Americas, to be held October 16-21, 2005, will be hosted by the Canadian Food Inspection Agency of the Federal Government of Canada. The venue will be the Delta Ottawa Hotel and Suites, Ottawa, Ontario, Canada. This annual meeting presents current information regarding surveillance, diagnosis, and epidemiology of rabies, progress in disease control efforts in dogs and wildlife, and public health issues relating to this disease. Contact: Susan Nadin-Davis, Canadian Food Inspection Agency, Tel: (613) 228 6698 (5900); email nadindaviss@inspection.gc.ca. For full details about the meeting, including registration and submission of abstracts, see the RITA website <http://www.rabies-in-the-americas.org>.

5th International Mouflon Symposium. October 19-22, 2005. The 5th International Mouflon Symposium will be held 19-22 October, 2005 at Het Nationale Park, De Hoge Veluwe, The Netherlands. The National Park, De Hoge Veluwe and the Saint Hubert Guild of Huntsmen will organize this meeting in cooperation with the Division of Avian and Exotic Animal Medicine, Faculty of Veterinary Medicine, Universiteit Utrecht, and the Central European Institute of Wildlife Ecology. This symposium is a continuation of a series started in Sassari (Italy), and continued in Nicosia (Cyprus, 1997), Sopron (Hungary, 2000), and Nuoro (Sardinia, 2002). This symposium will replace the symposium which was originally planned for 2004 in Židlochovice in the Czech Republic. Emphasis will be on genetics, disease and management, but other topics are also welcome. The 2-day symposium will be followed by a field excursion on Saturday morning in the National Park where a free ranging population of 200 mouflon is present. The main language is English, but German contributions are also possible. Proposals should be sent to the chairman of the Scientific Committee (J.T.Lumeij@vet.uu.nl) before June 15, including title, author(s) affiliation, and a 400-word-abstract. Final abstracts in English are due by September 1 for distribution to the participants at the symposium. Peer reviewed proceedings are scheduled to be published after the symposium. Early registration before the deadline of June 15 is possible for a reduced rate of €220, which includes 2 days symposium, one excursion, lunches and dinners. Early registration fees for bed and breakfast for 3 nights are €10. Registration fees after June 15 are €245. Hotel rooms at cheap rates can not be guaranteed when registered after June 15. Detailed information on the symposium, the registration procedure, and submission of abstracts will be published at www.mouflonsymposium.info. For information on the National Park "De Hoge Veluwe" consult www.hogeveluwe.nl. Further information can be obtained at: directiesecretaresse@hogeveluwe.nl.

14th Annual Mid-Western Exotic Animal Medicine Conference. November 5-6, 2005. The 14th Annual Mid-Western Exotic Animal Medicine Conference will be held in Manhattan, KS, November 5-6, 2005. Topics include the medicine, surgery, and diagnostic techniques used in reptiles, birds, and small exotic mammals (9.5 CE hours). Drs. Mark Mitchell and Teresa Bradley are among the speakers. An optional wet-lab on "Diagnostic and Surgical Procedures in Chelonians" and a Master Class on "Rabbit Medical and Surgical Cases: An Interactive Session" will be offered. Info: Dr. James W. Carpenter, College of Veterinary Medicine, Kansas State University, Manhattan, KS 66506, USA. Tel: (785) 532-5690; FAX: (785) 532-4309; e-mail: carpentr@vet.ksu.edu

Migration of Wild Birds and Avian Diseases, Special International Meeting of The Waterbird Society. November 24-28, 2005, Tainan, Taiwan. The Wild Bird Federation of Taiwan, the Council of Agriculture and the Waterbird Society invite you to attend an International Scientific Meeting of The Waterbird Society in Tainan, Taiwan. Our generous hosts are the Taiwanese Council of Agriculture and the Wild Bird Federation of Taiwan. The scientific conference will present symposia on avian influenza and other diseases, the migration of waterbirds in Asia and workshops on conservation themes. This meeting promises to be an exciting event with legendary Taiwanese

hospitality and a full program of international scientists. Taiwan was known as *Ilha Formosa* – the beautiful island. Field trips are planned to see the outstanding beauty of Taiwan, the endangered black-faced spoonbill and many other Asian waterbirds. For more information or to arrange a symposium or workshop, please contact: Dr. Robert Butler, Pacific Wildlife Research Centre, 5421 Robertson Road, Delta, British Columbia V4K 3N2 Canada; e-mail Rob.Butler@ec.gc.ca; telephone: 1-604-940-4672. Dr. Malcolm C Coulter, SIS, PO Box 480, Chocoura, NH 03817 USA. e-mail: CoulterMC@aol.com; telephone: 1-603-323-9342. For more information please see our website www.waterbirds.org.

NOTE FROM THE EDITOR

Send any items such as reports, meeting announcements, diagnostic riddles, position and grant announcements, or anything else deemed appropriate for the Supplement to the Journal of Wildlife Diseases or the WDA website, to Pauline Nol (Supplement Editor) at USDA/APHIS, National Wildlife Research Center, 4101 LaPorte Avenue, Fort Collins, CO 80521 USA, Ph: (970) 266-6126, Fax: (970) 266- 6157, Email: pauline.nol@aphis.usda.gov, or Michael Ziccardi (Website Editor) at Wildlife Health Center, University of California, Davis, CA, 95616, USA, Ph: (530) 754-5701, Fax: (530) 752-3318, Email: mhziccardi@ucdavis.edu. Files in Microsoft Word sent electronically or via disk are preferred, though submissions in any form are welcome. **MANY THANKS!**

—*Pauline*