

## Fisheries and Wildlife Program News

### Department and Program Information and Faculty Achievements

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#### North Carolina State University Forestry Extension and Outreach Program Honored

During October 2005, at the National Association of University Forest Resources Programs (NAUFRP—formerly NAPFSC) the North Carolina State University Forestry Extension and Outreach Program was awarded the 2005 Family Farm Education Award presented by NAUFRP and the National Woodland Owners Association.

This prestigious award is given to only one university program each year. In addition to the handsome plaque, many compliments from forestry Deans, Directors, and Heads were mentioned about the quality of the people and programs at North Carolina State University.

Team members include: **Rick Hamilton, Robert Bardon, Chris DePerno, John Frampton, Jim Gregory, Dennis Hazel, Mark Megalos, Susan Moore, Chris Moorman, Anne Napier, Jeff Owen, Jean Pittman, Jill Sidebottom, Renee Strnad, Becky Townsend.**

**Congratulations to the NC State Forestry Extension and Outreach Team!**

#### Fisheries and Wildlife Ph.D. clears another hurdle

The Fisheries and Wildlife Sciences Ph.D. program successfully cleared another hurdle November 8, 2005 with the unanimous approval of the Graduate Board of the UNC System to proceed with final planning. **Dr. Dick Lancia**, Coordinator of the Fisheries and Wildlife Sciences Program presented the NCSU application to the Graduate Board of the UNC System. With the support of the College of Natural Resources, Agriculture and Life Sciences, and Veterinary Medicine, this new Ph.D. program promises to be a unique and very successful program that will significantly expand the opportunities for NCSU graduates.

## Student Works in Africa on wild dog project

**Dr. Annie Newell** (DVM '04) a mentee of **Dr. Suzanne Kennedy-Stoskopf** is working in South Africa on a Rotary International Fellowship studying contraception in African Wild Dogs. Her research seems to be going well, though a challenging dermatology problem has added extra spice to the project. She reports that she will be returning to the triangle for a holiday break with family and friends December 21 through January 7. Among the many things she hope to accomplish in the short visit is complete her Pallas' Cat paper with Dr. Kennedy-Stoskopf.

## NSF Funding received for the development of a curriculum in research ethics

NCSU received good news earlier this fall with the NSF funding of a major proposal to conduct a multi-institutional effort to develop a model curriculum in research ethics. **Dr. Michael Stoskopf**, a professor in the FWS program is a participant in the project and will work with the team looking at agricultural/wildlife animal use. Dr. Gary Comstock of the NCSU Department of Philosophy is the principal investigator of the major undertaking which will involve over 100 faculty from around the country. NCSU is the lead institution for this national effort. The other schools involved are N.C. A&T State University, N.C. Central University, Fayetteville State University, Purdue University, Iowa State University, the University of Wisconsin-Madison and the University of Hawaii. To learn more about the grant, known as LANGURE" (Land Grant University Research Ethics), go to [http://www.ncsu.edu/news/press\\_releases/05\\_09/172.htm](http://www.ncsu.edu/news/press_releases/05_09/172.htm)

*Fisheries and Wildlife  
Ph.D. one step closer.*

## Chesley Ward and Josh McCormick awarded an Undergraduate Research Award Grant

Fisheries and Wildlife undergraduate students, **Chesley Ward** and **Josh McCormick** each received a monetary Undergraduate Research Grant Award. Currently, Chesley and Josh are monitoring the herpetofauna at Hill Forest. The monitoring will continue through February 2006 and Chesley and Josh will present a poster at the Undergraduate Research Symposium held at NCSU during April 2006. **Dr. Chris DePerno** is their advisor on the project and received a monetary award to assist with funding the research. Congratulations!

## Fisheries & Wildlife Holiday Open House

The Fisheries and Wildlife open house will be held December 12, 2005 from 3:00 - 5:30 pm at The Turner House. All Faculty, graduate students, undergraduate students, and friends are welcome. Please plan to attend.

## North Carolina State University—College of Veterinary Medicine—One of the best in the world

**The American College of Zoological Medicine (ACZM)**, is the specialty body for aquatic, wildlife and zoo medicine specialists. North Carolina State University (NCSU) enjoys the largest number of faculty who are diplomats in the ACZM of any university or college in the world. Also, we boast one of the most successful training programs for veterinarians interested in pursuing the clinical discipline of zoological medicine. This year, 3 NCSU alumni joined the college having successfully completed a rigorous credentialing and examination process. **Dr. Terra Kelly** (Zool Res '05 Wildlife) successfully completed the arduous 2-day examination for board certification in zoological medicine as did **Dr. Kurt Sladky** (Zool Res '00 Zoo). Dr. Kelly is currently pursuing a Ph.D. in epidemiology at the University of California at Davis. Dr. Sladky is a research faculty member at the University of Wisconsin, Madison. Also, the NCSU faculty and alumni are playing important roles in the leadership of the ACZM. **Dr. Ted Mashima** (Resident '96– wildlife) will serve the college as vice president for the next two years. At his side in the challenging position of secretary of the college will be **Dr. Craig Harms** (Faculty and Resident '95– Aquatic, PhD '99). **Dr. Suzanne Kennedy-Stoskopf** (faculty) continues to serve as the college's representative to the American Board of Veterinary Specialties, the AVMA body that governs specialty organizations. She is the current chair of that organization.

*College of Veterinary  
Medicine—One of the  
Best in the World.*

## North Carolina State University Graduate crowned the Military Idol Regional Champion

American Idol, the popular TV show has spawned a number of similar events around the world, including a program called Military Idol which features U.S. military personnel with singing talent. **Dr. Scott Willens** (PhD '05), a graduate student of **Dr. Michael Stoskopf**, was recently crowned a regional champion in the Military Idol Competition representing the US Army Medical Research Institute of Chemical Defense in the competition. As Regional Champ, he moved on to the finals Oct 17-22 in Ft. Gordon, Georgia where he competed against US soldiers from around the world. The competition was presented live on the Pentagon TV Network. Dr. Willens placed in the top 16 nationally in the competition. His mentors, including **Dr. Craig Sullivan** who served on Dr. Willens' graduate committee, are all relieved that he turned down the opportunity to tour as an entertainer for the military and will continue on with his research at Aberdeen Proving Grounds. A nice article describing the competition can be seen at

[http://www4.army.mil/ocpa/read.php?story\\_id\\_key=8040](http://www4.army.mil/ocpa/read.php?story_id_key=8040)

## Dr. Derek Aday elected to join the Fisheries and Wildlife Sciences Faculty.

**Dr. Aday** received a B.S. degree in biology from East Carolina in 1994, M.S. in fisheries and aquatic ecology from Louisiana State University in 1997, and a Ph. D. in Ecology, Ethology, and Evolution from the University of Illinois in 2002. For the past three years, Derek was in the Department of Evolution, Ecology, and Organismal Biology at The Ohio State University and still has graduate students engaged in research ranging from latitudinal trends in bluegill life history strategies to population structure and harvest effects with walleye in Lake Erie. At NC State, Derek plans to continue to investigate factors that influence individual life histories of fish, and use that as a basis to understand population dynamics and community structure in freshwater, estuarine, and marine systems. Also, Derek will teach the fisheries science course each year.



**Dr. Derek Aday** successfully catching walleye on Lake Erie. Photo provided by **J. Showalter**.

*Plan to attend -  
Fisheries and Wildlife  
Open House -  
December 12, 2005!*

## Avian Vacuolar Myelinopathy Meeting

A regional meeting looking at progress in the effort to bring attention to **Avian Vacuolar Myelinopathy Syndrome** was held in the NCSU Arboretum October 6, 2005. AVM is a condition that was first described affecting bald eagles in Arkansas and later found to affect coots in certain lakes in the South East, including North Carolina. Clinically affected birds are uncoordinated, exhibit variable neurologic signs, and may not be able to feed or fly. Histological examination of the brains of affected animals shows the formation of holes (vacuoles) in the insulating sheaths (myelin) of the nerves in the brain. The cause of the condition remains to be definitively identified but the condition has been experimentally transmitted by feeding coots, and other species of birds, tissues from affected animals or slurries of aquatic weeds with particular associated algal communities. Tom Augspurger presented the summary of the field efforts and **Dr. Michael Stoskopf** briefly reviewed the work of **Drs. Larsen** and **Nutter** in transmission studies and clinical characterization of the syndrome.

## Ph.D. students finish

Two graduate students of **Dr. Michael Stoskopf**, Professor in the FWS program finished their Ph.D. programs in comparative Biomedical Sciences this semester. On October 21, 2005, **Dr. Felicia Nutter** (Zool Res Wildlife 99, Ph. D. 05) successfully defended her Ph.D. dissertation "*Evaluation of a Trap-Neuter-Return Management Program for Feral Cat Colonies: Population Dynamics, Home Ranges, and Potentially Zoonotic Diseases.*" She will be elevated to the status of pair 'o docs. Dr. Nutter is the clinical veterinarian for the Mountain Gorilla Project in Rwanda, Africa and will be returning to Rwanda later in November. Another new pair 'o docs is **Dr. Scott Willens** (Ph.D. '05). On October 26, 2005, Dr. Willens successfully defended his dissertation "*Characterization of percutaneous absorption of malathion in anurans.*" Dr. Willens is a Captain in the U.S. Army Veterinary Corps and is assigned to USAMRICD where he conducts warfare research.

*Drs. Felicia Nutter and  
Scott Willens  
successfully defend  
their dissertations.*



Dr. Felicia Nutter tracks feral cats. Photo provided by **Dr. Michael Stoskopf**.

## Sea turtle news

On September 21, 2005, **Dr. Craig Harms** had the honor of releasing Caretta, one of 6 sea turtles (1 green and 5 loggerheads) released at the fall sea turtle release of rehabilitated animals from the Karen Beasley Topsail Sea Turtle Hospital. **Dr. Michael Stoskopf**, along with the sea turtle managers for North Carolina helped Dr. Harms carry the turtle to the ocean. She was eager to go and swam strongly through the surf. Her severe injuries from a boat strike had healed. A crowd of school children, volunteers, and press filled what little beach remained at the Topsail release site. Look for photos of the previous releases and soon for those of this release to appear at <http://seaturtlehospital.org/>. This was the last release before winter. Patients needing more time to recuperate will be spending the entire winter under the care of the dedicated volunteers of the hospital waiting for spring weather to favor the next release. The NCSU connection to the Sea Turtle Hospital on Topsail Island is a very close one. Dr. Craig Harms leads faculty at the NCSU CVM who provide the medical and surgical care for the injured and ill turtles at the facility. In addition, the Sea Turtle Hospital hosts the only clinical block for veterinary students in the art and science of Sea Turtle Medicine and Rehabilitation in the world. Senior students in the block work with patients at the Karen Beasley Memorial Sea Turtle Hospital, and are able to stay at the hospital housing facilities.

*Sea Turtles!*



**Dr. Craig Harms** prepares to perform a laparoscopy on a sea turtle. Photo provided by **Dr. Michael Stoskopf**.

## Cetacean stranding and marine mammal medicine course

Students were finishing their necropsy lab in the senior sea turtle medicine and rehabilitation block at CMAST, having returned to the coast immediately following hurricane Ophelia's departure. **Dr. Craig Harms** received a call to respond to the stranding of a rare beaked whale on the beach at Salvo. The adult female animal was alive when first stranded but died shortly after coming ashore. Stranding network first responders protected the carcass from deterioration by wrapping and burying it in cool sand. The necropsy of the 330 cm animal, possibly a *Ziphius*, did reveal an interesting upper GI anatomy. Beaked whales are rarely seen and the exact species determination of this animal will have to wait for taxonomic experts to examine genetic and skeletal data. This is just one of many calls NCSU's marine mammal veterinarians receive throughout the year. Not long ago (8/21-8/22) the faculty and a very interested group of students were working on a stranding of 12 striped dolphin that came ashore on Topsail Beach Sunday night and early Monday morning (8/21-22). The bodies of the animals were transported directly to NCSU CVM in Raleigh to allow CT and MRI scanning of the heads of at least two animals as a part of efforts to evaluate the possibility of high energy wave pulse exposure before thorough necropsies. It is never dull! Many of the students are veterans of **Dr. Michael Stoskopf's** Marine Mammal Medicine Course, CBS 782. The course, designed for graduate students, is open to interested veterinary students. It is taught every other spring semester and will be taught this coming spring '06 on Tuesdays from 3:30 to 5:30 pm.

*Cetacean stranding and  
a necropsy.*



**Dr. Craig Harms** ( North Carolina State University, College of Veterinary Medicine) and Larry Hansen (National Marine Fisheries Service,Beaufort Laboratory) help rescue a harbor porpoise from a drainage canal. Photo provided by **Annie Gorgone**.

## Wild carnivore research facility

There is a real pack of wolves on the NCSU campus. They are red wolves (*Canis rufus*) that occupy the NCSU Wild Carnivore Research Facility on the CVM campus. Thanks to a recent generous donation from an anonymous donor, the facility is adding 4 additional pens over the winter to facilitate the wolf research being conducted there. Because of impending construction, the population of wolves has been limited to one of the oldest red wolves in the country whose medical challenges made it necessary for him to stay, while the new pens are constructed. When you are old, it is an advantage to live close to a good hospital. When the wolf began to show symptoms of dry eye, **Dr. Anne Acton** (PhD Candidate) manager of the facility went to **Dr. Brian Gilger**, a veterinary ophthalmologist and an expert on the delivery of slow release drugs to the eye. Dr. Gilger, as always, was happy to be of help. **Dr. Brady Beale** (Ophthalmology Resident) performed the surgery to implant a specially designed implant into the tissues under the eyelids of the wolf's eyes to deliver the needed medication. Dr. Acton's hand delivery of the medicated drops every day proved the condition should respond to the implants. Dr. Acton provided the anesthesia for the surgery procedure and the old wolf never missed a beat. His eyes are improving steadily with the benefit of the drug delivery implants.

## Dr. Suzanne Kennedy-Stoskopf accepts 3 year appointment to the Marine Mammal Unusual Mortality Board

This past August, Dr. Suzanne Kennedy-Stoskopf accepted a three year appointment to the National Oceanic and Atmospheric Administration, National Marine Fisheries Service Marine Mammal Unusual Mortality Board. The Working Group on Marine Mammal Unusual Mortality Events was created under Section 404 of the Marine Mammal Protection Act as an advisory board to the Secretary of Commerce and Secretary of Interior. This group of scientists evaluates mortality events and strandings and recommends deployment of resources to investigate the events.

## NC State Researchers have a top-twenty article

On the American Fisheries Society website (<http://www.fisheries.org/html/index.shtml>) the Number 1 viewed published article was written by four North Carolina State University Researchers: **Drs. Paul J. Rudershausen, Jack E. Tuomikoski, Jeffrey A. Buckel and Joseph E. Hightower**. Paul J. Rudershausen, Jack E. Tuomikoski, and Jeffrey A. Buckel are members of the Center for Marine Sciences and Technology, Department of Zoology, North Carolina State University in Morehead City, North Carolina. Joseph E. Hightower is a member of the U.S. Geological Survey, North Carolina Cooperative Fish and Wildlife Research Unit, Department of Zoology, North Carolina State University in Raleigh, North Carolina. The 2005 article, Prey Selectivity and Diet of Striped Bass in Western Albemarle Sound, North Carolina, was published in the *Transactions of the American Fisheries Society* 2005;134:1059–1074. The article can be located at <http://afs.allenpress.com/perlserv/?request=get-archive>

*NC State Researchers  
have a top twenty  
article.*

## Crissey Symposium

Have you ever wondered about how diets for animals in zoos are created? How do they know what to feed the animals, and what problems occur when you don't get it right. If you are curious about the complexities of feeding literally thousands of different species in captivity, then you might enjoy attending the **3rd Annual Crissey Symposium in Zoological Nutrition** which will be held in Raleigh at the Veterinary College this coming December 9 - 10, 2005. Don't miss the opportunity to mix with the top zoological nutritionists in the country, and hear current developments in the interesting field of zoological nutrition. It isn't just confined to captive animals, zoological nutrition also encompasses the study of nutrition of free-ranging wildlife. Register now. There is even still time to submit an abstract if you have an interesting case or study to share. Visit the registration website at <http://www.cvm.ncsu.edu/conted/zoonutrition/>.

Dr. Crissey, a resident of Burgaw, North Carolina, was a valuable faculty member at the NC State College of Veterinary Medicine, and the Director of Nutrition for the Brookfield Zoo in Chicago at the time of her untimely death from ovarian cancer. She was a dynamic lecturer, meticulous researcher and reliable collaborator. Her contributions to our knowledge about the roles of nutrition in the health of both captive and wild animals of a wide variety of species have left a legacy and a model for young zoological nutritionists to emulate. This symposium is for professional nutritionists working with zoo animals, interested students, and, for the keynote address, the general public.

*Plan to attend—  
Crissey Symposium.*

**Keynote Speaker: Dr. Ruth Francis Floyd**  
**"Lifestyles of Famous Fishes:  
 Better Living through Natural History"**



### **Registration**

Tuition for this course is \$70 for attendees, \$50 for speakers, and \$25 for students. This fee includes breaks, reception, breakfast, and a proceedings manual. A refund less a 25% administrative fee will be granted for notices received in writing, either by mail, fax or e-mail, by December 8, 2005. No refunds will be granted after the symposium has begun.

## **Dr. Jonathan Shaw begins employment with the North Carolina Wildlife Resources Commission**

**Dr. Jonathan Shaw**, a former student of the Fisheries and Wildlife Program at NCSU began employment with the NC Wildlife Resources Commission on November 1, 2005. As the District 6 Technical Guidance Biologist, Jonathan participates in wildlife resource management and wildlife population monitoring in Anson, Cabarrus, Davidson, Mecklenburg, Montgomery, Moore, Richmond, Rowan, Stanly, and Union counties. Additionally, he is responsible for providing technical guidance to landowners, hunt clubs, and other state and federal agencies in District 6. Jonathan received his Ph.D. in Forestry at NCSU in August of 2005 where he researched the implications of Quality Deer Management on white-tailed deer population processes at Chesapeake Farms, MD. He received his B.S. in Wildlife Science from NCSU in May of 2000, and was involved in wildlife management as a summer employee at Chesapeake Farms, MD in 2000, Raleigh, NC in 1999, and Camp Lejeune, NC in 1998 and 1997. Jonathan looks forward to working with the Fisheries and Wildlife Program at NCSU, the general public, and inter- and intra-agency peers toward a common goal in principled management of North Carolina's vast wildlife resources.

Jonathan can be contacted at:

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North Carolina Wildlife Resources Commission  
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*Dr. Jonathan Shaw  
employed by the NC  
Wildlife Resources  
Commission.*



## Dr. Jennifer Thompson Begins Employment with Wake Technical Community College

**Dr. Jennifer Thompson**, a former student of the Fisheries and Wildlife Program at NCSU began employment as an instructor at Wake Technical Community College this fall. She is teaching two sections of General Biology for non-science majors and will retain this position for the Spring. In addition, she is designing a research project studying Swainson's Warblers at Roanoke River National Wildlife Refuge. Field research will begin this Spring.

Jennifer can be contacted at:

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## Study Abroad Program — Namibia 2006

The preliminary date for next years tour to Namibia is from May 21 – June 10, 2006. If you are interested in joining this once in a lifetime tour or have any questions please contact: **Dr Werner Dörgeloh** (Wildlife Ecologist) [wgdorgel@unity.ncsu.edu](mailto:wgdorgel@unity.ncsu.edu). Also, more information can be found at [http://www.cfr.ncsu.edu/for/fishwildlife/study\\_tour/studytour\\_2006.html](http://www.cfr.ncsu.edu/for/fishwildlife/study_tour/studytour_2006.html)

*Dr. Jennifer Thompson  
 employed by Wake  
 Technical Community  
 College.*



Namibia. Photo provided by **Dr Werner Dörgeloh**.

## Recent Publications, Reports, Presentations, and Funding

### Publications & Reports

Brinkman, T. J., **C. S. DePerno**, J. A. Jenks, B. S. Haroldson, and R. G. Osborn. 2005. Movement of female white-tailed deer: effects of climate and intensive row-crop agriculture. *The Journal of Wildlife Management* 69:1099-1111.

Case E., G. A. Lewbart, and **P. D. Doerr**. 2005. The physiological and behavioural impacts of and preference for an enriched environment in the eastern box turtle (*Terrapene carolina carolina*). *Applied Animal Behaviour Science* 92:353-365.

Gales, N., Barnes, J., **B. Chittick**, M. Gray, S. Robinson, J. Burns, D. Costa. 2005 Effective Field-based Inhalation Anesthesia for Ice Seals. *Marine Mammal Science* 212:717-727.  
(**B. Chittick** = NCSU Zoological Medicine Resident)

**Govett P. D**, **C. A. Harms**, A. J. Johnson, K. S. Latimer, J. F. X. Wellehan, M. H. Fatzinger, S. Christian, **T. R. Kelly**, and G. A. Lewbart. 2005. Lymphoid follicular cloacal inflammation associated with a novel herpesvirus in juvenile alligators (*Alligator mississippiensis*). *J Vet Diagnostic Invest* 17:474-479.  
(**T. R. Kelly** = NCSU Zoological Medicine Resident)  
(**P. D. Govett** = NCSU Zoological Medicine Resident)

Guilfoyle, M. P., **C. E. Moorman**, and J. C. Kilgo. 2005. Seasonal relationships between avian communities and canopy gaps in southeastern bottomland hardwood forests. Pp. 307-320 in *Ecology and Management of Bottomland Hardwood Systems: The State of Our Understanding*, L. H. Fredrickson, S. L. King, and R. M. Kaminski (Eds.). University of Missouri-Columbia. Gaylord Memorial Laboratory Special Publication No. 10. Puxico.

**Gustafson, L. L.**, **M. K. Stoskopf**, A. E. Bogan, W. Showers, **T. J. Kwak**, S. Hanlon, and **J. F. Levine** 2005 Evaluation of a nonlethal technique for hemolymph collection in *Elliptio complanata*, a freshwater bivalve (Mollusca: Unionidae). *Diseases of Aquatic Organisms* 65:159-165.  
(**L. L. Gustafson** = graduate student)

**Gustafson L. L.** , **M. K. Stoskopf**, W. Showers, **G. Cope** , C. Eads, R. Linnehan, **T. J. Kwak** , Andersen B, and **J. F. Levine**. 2005 Reference ranges for hemolymph chemistries from *Elliptio complanata* of North Carolina. *Diseases of Aquatic Organisms* 65:167-176.  
(**L. L. Gustafson** = graduate student)

**Huy, A.**, **S. Kennedy-Stoskopf**, **J. Levine**, and J. Brown. Endocrine characteristics of female Pallas' cats maintained under artificial lighting. Proceedings, AAZV, AAWV, AZQ NAG Meeting, 2005. Page: 295  
(**A. S. Huy** = NCSU DVM)

*Recent publications and reports!*

## Recent Publications, Reports, Presentations, and Funding

### Publications & Reports (cont.)

**Kelly, T.**, D. Greig, K. M. Colegrove, L. Lowenstine, M. Dailey, F. Gulland, M. Haulena. 2005. Metastrongyloid nematode (*Otostrongylus circumlitus*) infection in a stranded California sea lion (*Zalophus californianus*) – a new host-parasite association. *Journal of Wildlife Diseases* 41:593-598.

(**T. Kelly** = NCSU Zoological Medicine Resident)

**Lancia, R. A.**, W. L. Kendall, **K. H. Pollock**, and J. D. Nichols. 2005. Estimating the number of animals in wildlife populations. Pages 106-153 in C. E. Braun, editor. Techniques for wildlife investigations and management. Sixth edition. The Wildlife Society, Bethesda, Maryland, USA.

Loehle, C. T.B. Wigley, S. Rutzmoser, J. A. Gerwin, P. D. Keyser, **R. A. Lancia**, C. J. Reynolds, R. E. Thill, R. Weih, D. White, Jr. and P. B. Wood. 2005. Managed forest landscape structure and avian species richness in the southeastern US. *Forest Ecology and Management* 214:279-293.

**MacLean, R. A.**, **C. A. Harms**, and J. Braun-McNeill. Propofol Anesthesia in Loggerhead Sea Turtles (*Caretta caretta*). Proceedings, AAZV, AAWV, AZQ NAG Meeting, 2005. Pages: 296-297.

(**R. A. MacLean** = NCSU Zoological Medicine Resident)

Maggi R. G., **C. A. Harms**, A. A. Hohn, D. A. Pabst, W. A. McLellan, W. J. Walton, D.S. Rotstein, and E.B. Breitschwerdt. *Bartonella henselae* in porpoise blood. Emerg Infect Dis [serial on the Internet]. 2005 Dec [11/2/05]. Available from <http://www.cdc.gov/ncidod/EID/vol.11no12/05-0969.htm>

Paul-Murphy, J., N.E. Mathews, E. S. Frank, **R. A. MacLean**, D. M. Grove, R. T. Gilman. Surgical Sterilization to control an Urban Population of white-tailed Deer: Preliminary Results. Proceedings, AAZV, AAWV, AZQ NAG Meeting, 2005. Pages: 203-204.

(**R. A. MacLean** = NCSU Zoological Medicine Resident)

**Rudershausen, P. J.**, **J. E. Tuomikoski**, **J. A. Buckel**, and **J. E. Hightower**. 2005. Prey selectivity and diet of striped bass in western Albemarle Sound, North Carolina. *Transactions of the American Fisheries Society* 134:1059-1074.

Ricks, B. R., J. E. Hightower, and A. M. Wicker. 2004. Preliminary Assessment of an Alaska Steeppass Fishway on a North Carolina Blackwater Creek. *Proceedings of the Annual Conference, Southeastern Association of Fish and Wildlife Agencies* 58:92-99.

**Stoskopf, M. K.** 2005. Observation and cogitation: How Serendipity Provides the Building Blocks of Scientific Discovery. *ILAR Journal* 46:332-337.

*Recent publications and reports!*

## Recent Publications, Reports, Presentations, and Funding

### Publications & Reports (cont.)

Swanson, W., D. Maggs, H. Clarek, A. Newell, J. Bond, H. Bateman, **S. Kennedy-Stoskopf**. Assessment of viral presence in semen and reproductive function of frozen-thawed spermatozoa from Pallas' cats (*Otocolobus manul*) infected with feline herpesvirus. Proceedings, AAZV, AAWV, AZQ NAG Meeting, 2005. Pages: 234-235.

**Webber, J. M., R. Snow, J. Riddle, and C. S. DePerno**. 2005. Bad rep for coyotes. *Wildlife in North Carolina* 69(12):16-19  
**(J. M. Webber = NCSU M.S. Student)**  
**(R. Snow = NCSU Junior Undergraduate Student)**  
**(J. Riddle = NCSU Ph.D. Student)**

### Presentations

**Moorman, C. E.** 2005. Invasive Plant Ecology (with Lee Patrick, Invasive Plant Control, Inc.). National Network of Forest Practitioners. Burr Oak State Park, Glouster, Ohio.

**Moorman, C. E.** 2005. Led evening session and morning bird walk for the NC PLT Facilitator Training, Agape EE Center, North Carolina (15 people).

**Moorman, C. E.** 2005. Landscaping for Wildlife with Native Plants. Starmount Garden Club, Raleigh, North Carolina (12 people).

**Moorman, C. E.** 2005. Managing for Backyard Birds. Orange County Master Gardeners, Chapel Hill, North Carolina (15 people).

**Moorman, C. E.** 2005. Silvicultural Options for Management of Forest-dwelling Songbirds. Forest Landbird Legacy Training, Four Oaks, North Carolina (29 people).

### Grants/Funding

**Moorman, C. E.** Changes to Herpetofaunal Populations 3-5 Years after Fuel Reduction Treatments in Appalachian Forest Ecosystems. USDA Forest Service, 8/25/05-12/31/2008 (\$35,000).

*Recent publications,  
reports, and grants!*

## Upcoming Events

### Leopold Wildlife Club

The next meeting for the Leopold Wildlife Club will be Tuesday, December 13, 2005 at 7:00 pm in 102 David Clark Lab.

### Fisheries & Wildlife Holiday Open House

The Fisheries and Wildlife open house will be held December 12, 2005 from 3:00 - 5:30 pm at The Turner House. All Faculty, graduate students, undergraduate students, and friends are welcome. Please plan to attend.

## Job Opportunities and Scholarships

Please see the NC State Fisheries and Wildlife Sciences website for additional information, current position announcements, scholarship opportunities, and links to job websites.

<http://www.cfr.ncsu.edu/for/fishwildlife/>

## Giving Back

*Giving Back!*

### Giving Back

It only takes a moment to make a huge impact. NC State offers a wealth of programs that educate students and provide assistance to the community, but we need your help. Your contribution to the College of Natural Resources can make a huge impact on all facets of university life and ensure that these valuable programs can continue. The College of Natural Resources needs the support of our alumni and friends. Please consider making a gift today through the NC State Annual Fund or contact Jennifer Viets Catalano at 919-513-7734 or [jennifer\\_viets@ncsu.edu](mailto:jennifer_viets@ncsu.edu).

Also, you may consider giving to our 2 Summer Camp student endowments (1 Fisheries, 1 Wildlife). These endowments help undergraduate students attend the Wildlife and Fisheries Summer Camp. For more information on how to contribute, contact Dr. Richard Lancia at 919-515-7586 or [richard\\_lancia@ncsu.edu](mailto:richard_lancia@ncsu.edu).

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DePerno with questions  
or comments.*



### **First Buck**

Recently, **Bethany Clark**, a work study office assistant and sophomore in the Fisheries and Wildlife Sciences Program, harvested her first buck. On November 26, 2005, Bethany harvested the 7-point buck at 8:30 am in Caswell County. Bethany encountered the buck as she walked to her tree stand. The buck dressed out at approximately 120 pounds and had a 13 inch spread. Congratulations Bethany! Photo provided by **Lori Clark**.