

Fisheries and Wildlife Program News

Department and Program Information and Faculty Achievements

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Dr. Dick Lancia elected as a Wildlife Society Fellow

Dr. Dick Lancia was elected as a fellow of The Wildlife Society. The Fellows Program recognizes members who have distinguished themselves through exceptional service to our profession. To be nominated the candidate must be a TWS member (current) for at least 10 years, must be active in TWS at Chapter, Section, or international level, must have a distinguished professional record that includes significant contributions to wildlife resources and the profession, and must be currently employed or retired within the last 5 years. TWS Fellows are appointed for life and encouraged to engage in outreach and other activities that will benefit and promote TWS and the wildlife profession. Dick was presented with a pin and a certificate at the annual meeting in Calgary, Alberta. Dick was a member of many prominent names in TWS Others that received the award in Calgary included: Dr's John A. Bissonette, R. Terry Bowyer, Richard M. DeGraaf, Diana L. Hallett, Gerald D. Kobriger, Paul R. Krausman, Ray B. Owen, Jr., Nova J. Silvy, and Ollie Torgerson.

Ph.D. Degree

On September 23, 2004, the proposed Intent to Plan a new Ph.D. program in Fisheries and Wildlife Sciences was recommended for approval by the Administrative Board of the Graduate School. The proposal will now work its way through the administrative channels on campus, and will go to the Graduate Council of the UNC System in October 2005. Assuming all goes well, we should be in position to offer the degree in fall 2006.

Forestry Department undergraduate student awards

The following undergraduate students received scholarships through the forestry department: Work-Study Scholarships; Bryan Hicks and Rupert Medford. Academic Scholarships; Caroline Reddy (NRE but we consider her one of ours), Gabriel Karns, Brent Mortimer, Michael Horne, Nathan Beasley, Amy Raybuck, Crystal Stokes, Stephanie Zolkowski, Sabrina Smith, and Jennifer Freeman. Congratulations!!

Dr. Dick Lancia begins tenure as President of The Wildlife Society

Dr. Dick Lancia was installed as President of The Wildlife Society at the annual meeting in September in Calgary, Alberta. He has been very busy taking the helm and trying to continue a course to achieve great successes. Dick will serve as President until the 2005 annual meeting in Madison, Wisconsin.

Dr. Chris DePerno begins tenure as the President of the Great Plains Natural Science Society

Dr. Chris DePerno became President of the Great Plains Natural Science Society (GPNSS) in September at the annual meeting held in Medora, North Dakota. He will serve as President until the 2005 annual meeting. The GPNSS seeks to promote interest in and understanding of natural history in the northern Great Plains, to encourage the conservation of natural resources, and to provide communication among individuals, institutions, and organizations. The GPNSS publishes the peer-reviewed journal, *The Prairie Naturalist*. If you are interested in joining the GPNSS please contact Chris at 513-7559 or chris_deperno@ncsu.edu. Chris attended The Wildlife Society Annual Conference in Calgary, Alberta. Additionally, Chris prepared and submitted a grant proposal to supplement the existing Turner House Landscape Project grant.

Dr. Chris Moorman receives a \$50,000 grant

Dr. Chris Moorman, attended The Wildlife Society Annual Conference in Calgary, Alberta. Chris attended numerous meetings with County Extension Agents and continued to work with the Turner House Landscape Project Team. Also, Chris received a \$50,000 grant from the MSU-WHMI-NRCS Northern Bobwhite Restoration Program to conduct research on "Maximizing impact of field borders for quail and early-succession songbirds: what's the best design for implementation?"

Dr. Joe Hightower works with Boy Scout Troop 202

Boy Scouts from Troop 202 in Cary, North Carolina met with the NCSU Student Fisheries Society and fisheries professor Joe Hightower on October 15, 2004 to work on Fish and Wildlife Management merit badge. The class was held at Historical Yates Mill County Park. In addition to building bird feeders and learning about habitat and harvest regulations, the scouts got hands-on experience pulling seines, checking trap nets and even netting fish using electrofishing gear. We hope to see some of these scouts in the fisheries and wildlife program at NCSU in a few years!

*Dr. Joe Hightower
mentors Boy Scout
Troop 202.*

Dr. Susan Kennedy-Stoskopf accepts chair of Wildlife Scientific Advisory Board for Morris Animal Foundation

The Morris Animal Foundation is the largest private foundation supporter of research in companion animal and wildlife health. The Denver based foundation provides millions of research dollars to investigators each year. **Dr. Suzanne Kennedy-Stoskopf** has served for several years on the wildlife scientific advisory board for the foundation and recently accepted the honor of chairing this important group of scientists. The advisory board reviews and make recommendation on all grant funding decisions for projects working with wildlife and also advises the executive board of the foundation on policy

Dr. Susan Kennedy-Stoskopf accepts chair of Wildlife Scientific Advisory Board for Morris Animal Foundation.

Unusual mortality event affects North Carolina cetaceans

The much higher number of live stranded cetaceans coming ashore in very bad condition over recent months has resulted in the event being officially declared an Unusual Mortality Event by the UME Working Group in Washington D.C. **Dr. Craig Harms** has been working with NMFS scientist Aleta Hohn and NOAA staffers to workup the animals included in this event. Offshore *Tursiops truncatus* and *Kogia breviceps* are the most affected species. Workups have included MRI's using the new clinical imaging magnet at the College of Veterinary Medicine.

Red Wolf Recovery Going Well

The Red Wolf Recovery Implementation Team, which is chaired by NCSU's **Dr. Michael Stoskopf**, met in late August in Columbia, NC. The RWRIT examines the field and bench data being collected in the efforts to successfully manage the introduction of these animals back into the wild. This group of scientists meets twice a year and makes recommendations on future management directions for the species. The thesis work of both Drs. Acton and Beck focus on issues important in the red wolf recovery. David Rabon, Endangered Species Biologist for the USFWS and also a PhD candidate working in Zoology will attend and make guest presentations of his work on mate selection and behavior of red wolves at this meeting. This has been a very productive year for the red wolf program. Over 50 pups have been produced by the free-ranging wolves in the five county restoration management area in northeast North Carolina this year. That productivity is a new record, and provided the RWRIT with the welcome challenge of studying the management changes that need to be considered to support the growing population. There are a number of websites where you can get more information on the red wolf project. <http://alligatorriver.fws.gov/redwolf.html> will take you to the USFWS site. The red wolf coalition also maintains a useful site at <http://www.redwolves.com/>

Sea Turtle Live Capture/ Laparoscopy Event Successful

Dr. Craig Harms reports that The NMFS sea turtle live capture/ laparoscopy event which is supported each year by Dr. Craig Harms and a hardy band of volunteers has concluded successfully, with 32 loggerheads processed: 23 females, 8 males, and 1 unknown (not laparoscoped due to poor condition). In addition to surgical sexing to validate serum testosterone concentrations as a low-impact method for determining sex in these juvenile sea turtles, samples were collected for complete blood counts, plasma biochemistry panels, parasitology, toxicology (organochlorines, mercury, cytochrome P4501a), genetics, microbiology and antimicrobial resistance patterns of normal GI flora, and a field anesthesia study. From NCSU, three faculty (Drs. Harms, Lewbart and Gunkel), three residents (Drs. Kelly, Maclean and Tuttle), two staff (Donna Hardin and Shane Christian), and 26 veterinary students including a visiting veterinary student from Cornell took part in the event organized by Joanne McNeill of the NMFS-Beaufort Laboratory.

*Sea Turtles, students,
and landscape.*

St. Georges Veterinary Students Come to NCSU

The freshman veterinary class of the St. Georges Veterinary School on Grenada and their faculty arrived at NCSU October first and are actively attending classes in the late afternoons and evenings. Hurricane damage destroyed their facilities forcing St. Georges to relocate their curriculum this semester. So Fisheries and Wildlife faculty are seeing lots of fresh faces, as the 125 or so St. Georges freshmen join the 75 freshmen in the NCSU class at the college this semester. St. Georges students have been invited to participate in our zoological medicine activities and are making up an important number of the students who will be helping with the dolphin live capture and sampling effort that is being conducted the first week in November with student efforts coordinated by Dr. Craig Harms.

Turner House landscape project

The Turner House landscape project is moving forward. Trees have been removed and construction began November 4, 2004. The grounds will demonstrate how to manage a small urban oasis for wildlife using native plants.

Cooperative Fish Sampling to Assess Dam Removal Impact

Fisheries and Wildlife students, faculty, and staff of the NC Cooperative Fish and Wildlife Research Unit have joined forces with biologists in the NC Wildlife Resources Commission, NC Museum of Natural Sciences, and NC Division of Water Quality to study the effect of a proposed dam removal on the riverine fish community. The Carabonton Dam on the Deep River in the upper Cape Fear drainage of North Carolina is at the top of a prioritized list of dams to be removed for environmental reasons, and knowledge on the impact to riverine fishes, including the endangered Cape Fear shiner, undescribed and rare Carolina redhorse, and the invasive flathead catfish, is critically needed.

In response, **Drs. Tom Kwak** (NC Coop Unit Leader) and Ryan Heise (NC Wildlife Commission Nongame Biologist) summoned a group of colleagues representing some of the leading fish biologists in the state and region. Crews from NC State and the Wildlife Commission joined Dr. Wayne Starnes (NC Museum of Natural Sciences) and Bryn Tracy (NC Division of Water Quality) and set out to document the fish

communities at sites upstream and downstream of Carabonton Dam prior to its removal.

Reference data before the dam is removed are important to quantitatively document the expected changes in riverine fishes that will occur after the impounded habitat is restored and fish migration is unrestricted.

Sampling the weeks of October 25 to November 5 using boat and backpack electrofishing techniques yielded hundreds of stream-dwelling fishes, including sportfishes, such as trophy largemouth bass and redbreast sunfish, interesting nongame fishes, including margined madtoms and the piedmont darter, and imperiled fishes like the Cape Fear shiner and Carolina redhorse. No single institution could have conducted this sampling alone, and the strong, mutually beneficial relationships among the Fisheries and Wildlife Program at NC State and our state resource agencies facilitates a better understanding of our natural resources. The cooperative group will repeat this fish sampling on at least one more occasion before the dam is removed, and then follow up after the removal -- stay tuned.

Dr. Tom Kwak to study the impacts of a proposed dam removal.

Drs. Ted Simons and Ken Pollock are conducting research estimating detection probabilities for community assessment and population monitoring

The goal of the research is to develop a better understanding of the factors affecting detection probabilities on count-based surveys, and better statistical methods for adjusting counts to correct for biases caused by differences in detection probabilities. The researchers are using a combination of analytical and experimental approaches to understand and account for biases inherent in avian point count surveys which are widely used in research and environmental monitoring programs. Analytical approaches are developed from existing point count data collected in Great Smoky Mountains National Park. Experimental work is based on a system developed that uses a laptop computer and a radio transmitter to control a set of player/speaker devices placed at known locations around a census point. The system allows the researchers to realistically simulate a known population of songbirds, vary a range of factors that affect detection probabilities, and evaluate the performance of observers using various field and analytical methods. The goal is to find new applications of theory and sampling methodologies that result in practical improvements in the quality of bird census data.

Songbird research in action.



Recent Publications, Reports, Presentations, and Funding

Publications & Reports

- Alldredge, M.W., **K.H. Pollock**, and **T.R. Simons**. (In review). Estimating detection probabilities from multiple observer point counts. *Auk*.
- Alldredge, M.W., **K.H. Pollock**, **T.R. Simons**, and **J. Collazo**. (In review). Time of detection method for estimating abundance from point count surveys. *Auk*.
- Alldredge, M.W., **K.H. Pollock**, and **T.R. Simons**. (In review). Multiple species analysis of point count data: A more parsimonious modeling framework. *Ecology*.
- Brinkman, T. J., J. A. Jenks, **C. S. DePerno**, and B. S. Haroldson. Survival of white-tailed deer in an intensively farmed region of Minnesota. *Wildlife Society Bulletin* 32:726-731.
- Brinkman, T. J., K. L. Monteith, J. A. Jenks, and **C. S. DePerno**. 2004. Predicting neonatal age of white-tailed deer in the northern Great Plains. *The Prairie Naturalist* 36:75-81.
- Farnsworth, G. L., **K. H. Pollock**, J. L. Nichols, **T. R. Simons**, J. E. Hines, and J. R. Sauer. 2002. A removal model for estimating detection probabilities from point count surveys. *The Auk* 119: 414-425.
- Gibbs, M. C., J. A. Jenks, **C. S. DePerno**, B. F. Sowell, and K. J. Jenkins. 2004. Cervid forage utilization in noncommercially thinned ponderosa pine forests. *Journal of Range Management* 57:435-441.
- Harms CA**, Lo Piccolo R, Rostein DS, Hohn AA. 2004. Struvite penile urethrolithiasis in a pygmy sperm whale (*Kogia breviceps*). *Journal of Wildlife Diseases* 40: 588-593.
- Hazler, K. R., A. J. Amacher, **R. A. Lancia**, and J. A. Gerwin. 2004. Determinants of Acadian flycatcher nesting success in intensively managed pine plantations and corridors. *Journal of Wildlife Management* *Accepted*
- Kukanich, B., M. Papich, D. Hugg, and **M. Stoskopf** (2004) Comparison of Amikacin Pharmacokinetics in a Killer Whale (*Orcinus orca*) and a Beluga Whale (*Delphinapterus leucas*). *Journal of Zoo and Wildlife Medicine*. 35(2):179-184.
- McNatt, R. A., and **J. A. Rice**. 2004. Hypoxia-induced growth rate reduction in two juvenile estuary-dependent fishes. *Journal of Experimental Marine Biology and Ecology*. 311(1):147-156.
- Peters, K. A, **R. A. Lancia**, and J. A. Gerwin. 2004. Swainson's warbler habitat selection in a managed bottomland hardwood forest. *Journal of Wildlife Management* *Accepted*

Recent publications,
reports, and
presentations!

Publications & Reports (cont.)

Pollock, K. H., H. Jiang, and **J. E. Hightower**. 2004. Combining telemetry and fisheries tagging models to estimate fishing and natural mortality rates. *Transactions of the American Fisheries Society* 133:639-648.

Pollock, K. H., J.D. Nichols, **T.R. Simons**, G.L. Farnsworth, L.L. Bailey, and J.R. Sauer. 2002. Large scale wildlife monitoring studies: statistical methods for design and analysis. *Environmetrics* 13: 105-119.

Pollock, K. H., H. Marsh, L. L. Bailey, G. L. Farnsworth, **T. R. Simons**, and M. W. Alldredge. 2004. Methodology for separating components of detection probability in population abundance estimation: An overview with diverse examples. In *Sampling rare or elusive species: Concepts, designs, and techniques for estimating population parameters*. William Thompson (ed.). Island Press.

Thorsen, W. A., Forestier, D., Sandifer, T., Lazaro, P. R., **Cope, W. G.**, and Shea, D. 2004. Elimination rate constants of 46 polycyclic aromatic hydrocarbons in the unionid mussel, *Elliptio complanata*. *Archives of Environmental Contamination and Toxicology* 47: 332-340.

Ulyshen, M. D., J. L. Hanula, S. Horn, J. C. Kilgo, and **C. E. Moorman**. Spatial and temporal patterns of beetles associated with coarse woody debris in managed bottomland hardwood forests. *Forest Ecology and Management* 199:259-272.

Presentations

Presentations!

Allredge, M.W., **K.H. Pollock**, **T.R. Simons**, and **J.A. Collazo**. 2004. Multiple-observer and time of detection methods for estimating abundance of birds from point count surveys. American Ornithologists' Union in conjunction with the society of Canadian Ornithologists. Quebec, Canada.

Allredge, M.W., **K.H. Pollock**, and **T.R. Simons**. 2004. Multiple species modeling of point count surveys. American Ornithologists' Union in conjunction with the Society of Canadian Ornithologists. Quebec, Canada.

Bigalke, B. J., **C. S. DePerno**, J. A. Jenks, and B. W. Klaver. 2004. Predators: the good, the bad, and the ugly. Minnesota Game Fair, Armstrong Ranch Kennels, Anoka, Minnesota. (2 seminars).

Bigalke, B. J., **C. S. DePerno**, J. A. Jenks, and B. W. Klaver. 2004. Predators: the good, the bad, and the ugly. Presented to 100 members of the Beadle County Sportsman's Club, Huron, South Dakota.

Bowen, L. T., T. B. Champlin, and **C. E. Moorman**. 2004. Bird-arthropod relationships in bottomland forest canopy gaps. *Forestry and Natural Resources Seminar Series*, NCSU.

Presentations (cont.)

- Burdick, S. M., and **J. E. Hightower**. 2004. Distribution of spawning activity by migratory fishes in the upper Neuse River drainage, North Carolina. 134th Annual Meeting, American Fisheries Society, Madison, Wisconsin, August 22-26, 2004.
- Champlin, T. B., **C. E. Moorman**, and J. C. Kilgo. 2004. Does food availability determine avian use of early-successional habitat? The Wildlife Society 11th Annual Conference, Calgary, Alberta.
- Craig, K., Rose, K. A, and **Rice, J. A.** 2004. Low dissolved oxygen and juvenile estuarine fishes: evaluating alternative approaches to incorporating movement into a spatially-explicit, individual-based model. Annual Meeting of the American Fisheries Society, Madison, Wisconsin.
- DePerno, C. S.** 2004. Coyote: behavior and depredation control. Presented to 20 members of the Granville County Cattleman's Association, Oxford, North Carolina (with C. E. Moorman).
- DePerno, C. S.**, Bigalke, B. J., J. A. Jenks, and R. W. Klaver. 2004. Behavior, search patterns, survival rates, and causes of mortality of coyotes in farmland Minnesota. Presented to 50 members of the North Carolina State University Leopold Wildlife Club, North Carolina State University, Raleigh, North Carolina.
- DePerno, C. S.**, and R. G. Osborn. Farmland deer harvest model. Presented to 25 faculty members and students in the Wildlife Management Class (Roger A. Powell), North Carolina State University, Raleigh, North Carolina.
- DePerno, C. S.**, J. A. Jenks, B. J. Bigalke, A. Anderson, R. W. Klaver, R. G. Osborn, J. D. Erb, and B. S. Haroldson. 2004. Behavior, search patterns, survival rates, and causes of mortality of coyotes in southeast Minnesota. 11th Annual Conference of The Wildlife Society, Hyatt Regency and Convention Center, Calgary, Alberta, Canada.
- Hewitt, D. A., **J. E. Hightower**, and **K. H. Pollock**. 2004. A model for estimating the size of anadromous fish spawning runs using hydroacoustic monitoring data. 134th Annual Meeting, American Fisheries Society, Madison, Wisconsin, August 22-26, 2004.
- Hightower, J. E.**, and J. R. Bence. 2004. Strategies for estimating natural mortality of fishes. Lake Whitefish Natural Mortality Workshop, Great Lakes Fisheries Commission, Ann Arbor, Michigan, September 21-22, 2004.
- Klimstra, J. D., A. J. Amacher, J. A. Gerwin, K. R. Kazler, **R. A. Lancia**, J. C. Norwalk, J. L. Thompson, and K. A. Peters. 2004. Estimation of apparent survival of 5 Neotropical migrants and 2 resident species from 2 managed timber landscapes. Annual Conference of The Wildlife Society, Calgary, Alberta.

Presentations!

Presentations!

Presentations (cont.)

- Mitchell, M. S., T. B. Wigley, C. Loehle, S. H. Rutzmoser, W. M. Baughman, J. Beebe, S. F. Fox, J. A. Gerwin, C. A. Haas, P. D. Keyser, **R. A. Lancia**, C. J. Reynolds, P. A. Shipman, R. E. Thill, R. Weih, D. White, P. B. Wood. 2004. Relationships between southern forest landscape structure and bird species richness. Annual Conference of The Wildlife Society, Calgary, Alberta.
- Moorman, C. E.** 2004. Landscaping for Wildlife with Native Plants. Wake County Master Gardener Training, Raleigh, NC. (65 people)
- Moorman, C. E.** 2004. Landscaping for Wildlife: A Demonstration at the Turner House. Department of Forestry Seminar Series, Raleigh, NC. (25 people)
- Moorman, C. E.** 2004. Basics of Backyard Management (with L. T. Bowen). Backyard Wildlife Management Encore course, Raleigh, NC. (17 people)
- Moorman, C. E.** 2004. Managing Backyards for Birds. Backyard Wildlife Management Encore course, Raleigh, NC. (17 people)
- Moorman, C. E.** 2004. Vulture and Coyote Depredation of Cattle (with C. DePerno). Granville County Cattlemen's Association, Oxford, NC. (20 people)
- Moorman, C. E.** 2004. Wildlife Habitat. Chatham County Youth Field Day, Pittsboro (277 kids).
- Moorman, C. E.** 2004. Integrating Forest and Wildlife Management. NCFCA Annual Meeting, Greensboro (65 people)
- Moorman, C. E.** 2004. Landscaping for Birds with Native Plants. Regional Training of Master Gardener Volunteers, Fayetteville (68 people).
- Moorman, C. E.** 2004. Landscaping for Wildlife. Backyard Wildlife Management Encore course, Raleigh, NC. (17 people)
- Moorman, C. E.** 2004. Introduction to Fire Effects - Terrestrial Animals (Unit 3, Lesson E). TNC RX-310 Training Course, Black Mountain.
- Norwalk, J. C., J. A. Gerwin, J. L. Thompson, and **R. A. Lancia**. 2004. Apparent annual survivorship of Swainson's Warbler. American Ornithologists' Union Annual Meeting, Quebec City, Canada.
- Pollock, K. H.**, H. Jiang, J. M. Hoenig, C. Brownie, **J. E. Hightower**, J. B. Dempson, B. Wells, R. J. Latour. 2004. Parsimonious age-dependent fisheries tagging models. 134th Annual Meeting, American Fisheries Society, Madison, Wisconsin, August 22-26, 2004.
- Pollock, K.H.**, M.W. Alldredge, **T.R. Simons**. 2004. Application of capture-recapture type models in point count surveys. The Statistical Society of Canada, Montreal, Canada.

Presentations!

Presentations!

Presentations!

Presentations (cont.)

Pollock, K.H. 2003. Modeling components of the detection process when sampling animal populations: Area, availability and perception components. The Wildlife Society, Burlington, Vermont.

Read, A. N., and **J. E. Hightower**. 2004. Assessment tool for identifying American shad spawning and nursery habitat. 134th Annual Meeting, American Fisheries Society, Madison, Wisconsin, August 22-26, 2004.

Shaw, J. C., and **R. A. Lancia**. 2004. Quality deer management: Success and limitations. Presented to 25 members of the Carteret County Wildlife Club, Beaufort, North Carolina.

Simon, T.R., **K.H. Pollock**, and M.W. Alldredge. 2004. Experimental analysis of detection probabilities on avian point count censuses. Ecological Society of America Annual Meeting, Portland, Oregon.

Thompson, J. S. and **Rice, J. A.** 2004. Energetic consequences of habitat constraints on reservoir striped bass. Annual Meeting of the American Fisheries Society, Madison, Wisconsin.

Tuomikoski, J. E., J. A. Buckel, P. J. Rudershausen, and **J. E. Hightower**. 2004. Effects of age-1 striped bass predation on *Alosa spp.* in western Albemarle Sound. 134th Annual Meeting, American Fisheries Society, Madison, Wisconsin, August 22-26, 2004.

Waters, D. S., Thompson, J. S., and **Rice, J. A.** 2004. Striped bass habitat selection in a North Carolina reservoir. Annual Meeting of the American Fisheries Society, Madison, Wisconsin.

Grants/Funding

Acton, A. E. Noninvasive Wildlife Health Monitoring Using Molecular Detection of Fecal Pathogens. EPA STAR Fellowship Award (\$29,866).

Moorman, C. E. 2004. Maximizing impact of field borders for quail and early-succession songbirds: what's the best design for implementation? MSU-WHMI-NRCS Northern Bobwhite Restoration Program. 9/1/2004-10/31/2007 (\$50,000).

Stoskopf, M.K. Evaluation of the Red Wolf Adaptive Management Plan Project. US Geological Survey (\$17,000).

Moorman, C. E. *Field borders for quail and songbirds.*
MSU-WHMI-NRCS
(\$50,000).

Recent Events

The College of Natural Resources Celebrated 75th Anniversary

The College of Natural Resources celebrated the 75th anniversary. Over the past 75 years, the NC State College of Natural Resources has developed world-leading programs across our disciplines, from forestry to wood & paper science to recreational outreach. The 3-day celebration occurred October 21-23, 2004.

The Wildlife Society 11th Annual Conference, Calgary, Alberta, Canada

The 11th Annual Conference of The Wildlife Society was held September 18-22, 2004 in Calgary, Alberta, Canada. This was the first time The Wildlife Society Conference has been held in Canada.

The 58th Annual Conference Southeastern Association of Fish and Wildlife Agencies

The 58th Annual Conference Southeastern Association of Fish and Wildlife Agencies was held October 31—November 3 in Hilton Head, South Carolina. The conference was attended by **Drs. Lancia, Doerr, Hightower, and DePerno.**

Desert Wilderness and African Savanna Study Tour, Namibia, South Africa

Upcoming Events

Desert Wilderness and African Savanna Study Tour, Namibia, South Africa

Dr. Werner Dörgeloh, a wildlife biologist and visiting Professor (currently teaching FW 221) will be leading a three week educational tour (May 28, 2005 – June 17, 2005) in conjunction with staff from NC State University to Namibia (southwest Africa). Dr. Dörgeloh was born and raised in Namibia and has studied and lectured about wildlife management in South Africa for over 20 years. The objective is to expose students to the unique desert and savanna ecosystems, and to

experience different wildlife management and conservation challenges, thereby broadening their perspectives and enriching their educational experience.

The cost for the trip is ~\$5000 including airfare. If you are aware of any student that may be interested in attending or if you would like more information on the Namibia trip please contact Dr. Dörgeloh at wgdorgel@unity.ncsu.edu. Details of the trip (including a slide show) can be located at www.cals.ncsu.edu/undergrad/sfw/studytour.html

Leopold Wildlife Club

The next meeting for the Leopold Wildlife Club will be Tuesday, November 9, 2004 in 2211 Gardner Hall. The meeting will begin at 6:00 pm to prepare for the upcoming Wildlife Conclave competition with the business meeting beginning at 7:00 pm.

Crissey Zoological Nutrition Symposium, Dec 10 and 11th

For students and faculty interested in the nutrition of wildlife of all kinds, the Crissey Zoological Nutrition Symposium offers the opportunity to visit with some of the top wildlife nutritionists in the world, share your own work, or learn about hot breaking questions that might affect your research. Dr. Ed Stevens, renowned gastrointestinal physiologist will be presenting the keynote talk on the evolution of the gastrointestinal system.

Bear Research Fundraiser

The 3rd annual fundraiser for **Tim Langer's** (Ph.D. student) bear research will take place November 7, 2004, 5 pm at Fairfield, NC. There will be free beer and a pig-pickin,. Also, a raffle, silent and live auction will be held. Please contact Tim at 252-943-4296 for additional information.

Special sessions on wild carnivore nutrition will be supplemented by several general topic sessions with papers running the entire gamut of nutrition. The symposium honors Dr. Sue Crissey, a very highly respected zoological nutritionist and NCSU faculty member who made lifelong contributions to the field. There is still time to register to give a presentation, or simply to attend. You can register for the symposium and/or get the details for submitting an abstract at <http://www.cvm.ncsu.edu/conted/>

The next meeting for the Leopold Wildlife Club will be Tuesday, November 9, 2004 at 7:00 pm in 2211 Gardner Hall.

Job Opportunities and Scholarships

Please see the NC State Fisheries and Wildlife Sciences website for current position announcements and links to job websites.

<http://www.cals.ncsu.edu/undergrad/sfw/employ.html>

Please see the NC State Fisheries and Wildlife Sciences website for current Scholarship opportunities.

<http://www.cals.ncsu.edu/undergrad/sfw/schol.html>

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If you have questions, comments, or submissions for the next issue please do not hesitate to contact Chris.

*Please do not hesitate
to contact Chris
with comments or
suggestions.*



James Tomberlin and Jonathan Shaw (Ph.D. students) conducting white-tailed deer research at Chesapeake Farms on the eastern shore of Maryland under the supervision of Dr. Richard Lancia.