

Fisheries and Wildlife Program News

Department and Program Information and Faculty Achievements

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Dr. Barry Goldfarb

Dr. Barry Goldfarb, professor of forestry and director of the Loblolly and Slash Pine Rooted Cutting Program at North Carolina State University, has been named head of the Department of Forestry in the College of Natural Resources. His appointment became effective August 1, 2004. A member of the NC State faculty since 1993, Barry received his B.S. from Southern Oregon State College (1983); and his M.S. (1986) and Ph.D. (1990) from Oregon State University. In addition, he completed a post-doctoral research program in molecular biology of trees at the University of Minnesota in 1992.

Ph.D. Degree

The document required to request a Ph.D. in fisheries and wildlife sciences has been prepared by **Drs. Michael Stoskopf, Phil Doerr, Joe Hightower, and Jay Levine**. The document is in the process of being considered (and hopefully approved) by CALS, CNR, and the vet school.

Fisheries and Wildlife Program Budget

You will be pleased to know there is an operating budget for the fisheries and wildlife program. About two-thirds comes from academic and foundation accounts and about one-third comes from salary release money that **Drs. Phil Doerr and Dick Lancia** have on a DOT grant. These funds are used to run Turner House (phones, internet, supplies, copies, etc.), support student activities, cover travel, and buy equipment, such as the new LCD projector and laptop for program use. See **Cindy Burke** if you would like to use them. If there are other items of equipment that you think would be valuable for the program, please let **Cindy** (cindy_burke@ncsu.edu) know. Last fiscal year **Drs. Phil Doerr and Chris DePerno** received new computers.

Extension Forestry Website

Extension Forestry has a new website (www.ces.ncsu.edu/forestry/). Additions to the new site include a search engine, a calendar, and an agent resource area.

Travel Awards

Dr. Dick Lancia expects there will be travel funds available. Let him know if you have travel requests.

Incoming Students Statistics

As of August, there are 110 undergraduate students (87 - Wildlife, 23 - Fisheries) enrolled in the Fisheries and Wildlife Program.

There are 19 freshmen (16 - Wildlife, 3 - Fisheries), 26 sophomores (18 - Wildlife, 8 - Fisheries), 27 juniors (22 - Wildlife, 5 - Fisheries), and 38 seniors (31 - Wildlife, 7 - Fisheries).

Fisheries & Wildlife Graduate Program Review

The Graduate School has asked for a Fish & Wildlife Graduate Program Review by Spring, 2005. Focused on graduate teaching, the purpose of the review is to document the program's learning outcomes, effectiveness, overall quality, and vision for the future. **Dr. Lancia** has appointed a committee to work on this project:

Drs. George Hess (Chairman), **Phil Doerr**, **Suzanne Kennedy-Stoskopf**, **Chris Moorman**, **Stacy Nelson**, and **Ted Simons**. The team will be working through the fall and spring semesters. Input from faculty affiliated with the program will be sought at periodic intervals, but all should feel free to share thoughts with any of the committee members at any time. As they become available, draft documents will be posted on a program review website at <http://www4.ncsu.edu/~grhess/fwreview>.

Turner House Landscape Project

Dr. Chris Moorman was successful in obtaining a grant from the North Carolina State Forest Service to transform the grounds around Turner House into a wildlife friendly urban landscape. Construction is to begin this fall. The grounds will demonstrate how to manage a small urban oasis for wildlife using native plants.

Outstanding Advisor

Dr. Phil Doerr received the College of Natural Resources "Outstanding Advisor" Award. The award was presented at the May 2004 Graduation, as "A Facilitator of Student Success"

Dustin Wilks, Professional Angler

Dustin Wilks, a 27 year old professional angler from Rocky Mount, North Carolina, is a 1999 graduate of NCSU Fisheries and Wildlife Program. Dustin began his professional fishing career while still in college, winning the Bassmaster Eastern Invitational Trail Angler of the Year title. Dustin has since qualified four times for the prestigious Bassmasters Classic. In addition, Dustin has won a World Championship Fishing event and competed for five years on the Bassmaster Tour. Dustin has most recently competed in the new Bassmaster Elite 50 Series finishing tenth in points.

There are 110 undergraduate students enrolled in the Fisheries and Wildlife Program.

Summer Burdick Receives Travel Grant

Summer Burdick, a fisheries graduate student, received a travel grant from the Equal Opportunities Section of the American Fisheries Society. This award covered travel costs for her to attend the American Fisheries Society's 134th annual meeting, held in Madison, Wisconsin, August 22-26, 2004.

Wendy Moore Completes Pathways Program

Wendy Moore, Administrative Assistant, successfully completed the NCSU Pathways Program, a year-long leadership development program offered to participants who have been nominated by their Chancellor, Provost, or Dean.

Alesia Reed Receives Best Student Paper Award

Alesia Reed, a fisheries graduate student advised by **Dr. Joe Hightower**, received the Richard L. Noble Best Student Paper Award for her presentation at the 2004 meeting of the NC Chapter of the American Fisheries Society. Her presentation was entitled "Assessment tool for identifying American shad spawning and nursery habitat" and was co-authored by Joe Hightower.

Dr. Pete Bromley Wins Award

Dr. Pete Bromley won the Southeast Quail Study Group's annual award given to individuals or groups that have made outstanding contributions to the knowledge and management of the northern bobwhite in the Southeast. Pete won the award for his research program on integrating early-successional wildlife habitat onto modern production farms. His research and extension efforts on field border management began in the early 90's and now field borders have become a major component of the Farm Bill and bobwhite conservation programs throughout the Southeast. The award states, "In deep appreciation for your outstanding dedication, efforts, and contributions to the knowledge and management of bobwhite quail in the Southeast."

Dr. Joe Hightower Receives Outstanding Graduate Instructor Award

Dr. Joe Hightower, Assistant Unit Leader, was recognized for outstanding teaching with a college teaching award. Joe was nominated by his students and selected as the recipient of the Outstanding Graduate Instructor Award for the 2003-2004 academic year. This is in recognition for his classroom instruction at the graduate level, particularly for his Quantitative Fisheries Management course. This award is given to one faculty member of the College of Agriculture and Life Sciences at NCSU each year.

*Awards, awards,
awards!*

Dr. Tom Kwak Receives Certifications of Appreciation

Dr. Tom Kwak, Unit Leader, recently received certificates of appreciation from the American Fisheries Society at the state and regional levels. The first was for serving as Program Chair for the annual meeting of the AFS Southern Division last year, and the second was for serving as President of the AFS North Carolina Chapter. During his year as President, The North Carolina Chapter received the Outstanding Chapter Award from the AFS Southern Division and will be considered by the Parent Society for their Best Chapter Award among those outstanding chapters from other divisions.

Dr. Greg Cope Receives Best Presentation Award

Dr. Greg Cope, Associate Professor in the College of Agriculture and Life Sciences, Department of Environmental and Molecular Toxicology and Fisheries and Wildlife Sciences Program Faculty Member received the W. Don Baker Memorial Award for Best Platform Presentation by a Professional Member at the 2004 Annual Meeting of the North Carolina Chapter of the American Fisheries Society held February 4-5 in Asheville, NC. The presentation was entitled "Assessing the presence of estrogenic chemicals with sentinel fish" and was co-authored by Dr. Gerald LeBlanc of the NC State University Department of Environmental and Molecular Toxicology, Larry McMillan with the City of Raleigh Public Utilities Department, and Scott L. Van Horn of the NC Wildlife Resources Commission.

More awards and Promotions!

Dr. Jaime Collazo Promoted

Dr. Jaime Collazo, Assistant Unit Leader, was promoted in the federal ranks to the GS-14 grade as a USGS Research Biologist. This requires careful review and a recommendation by a panel of scientific peers, as well as a second panel of federal administrators.

Dr. Sorenson Receives Distinguished Achievement Award in Teaching

Dr. Clyde Sorenson was recognized with the Distinguished Achievement Award in Teaching 2004 from the Southeastern Branch of the Entomological Society of America and the NCSU Alumni Outstanding Teaching Award for 2004. He was also elected to the NCSU Academy of Outstanding Teachers in 2004.

Dr. Ted Simons Promoted Twice

Dr. Ted Simons, Assistant Unit Leader, was recently promoted twice. Once by the university and once with the USGS. Ted is now a Full Professor of Zoology and Forestry at NCSU and a GS-14 Research Biologist with the USGS. Both promotions require in-depth review and scrutiny and are difficult to attain.

Dr. Dick Lancia Becomes Program Coordinator

On July 1, 2003, principal administration of the Fisheries and Wildlife program moved into the College of Natural Resources within the Forestry Department and **Dr. Dick Lancia** became coordinator. The program is shared with the College of Agriculture and Life Sciences and the Zoology Department.

Dick has a Ph.D. from the University of Massachusetts and has been a faculty member at NCSU since 1978. He has received teaching awards and was recognized by the NCSU Alumni Association as a Distinguished Professor in 1995. His recent research has focused on bird habitat relationships in managed forests and

on white-tailed deer behavior and management. He has published 75 scientific papers.

In September 2004, Dick will become President of The Wildlife Society in September 2004 at the annual meeting, which will be held in Calgary, Alberta. Dick will serve as President until the 2005 annual meeting in Madison, Wisconsin. Also, Dr. Lancia was elected a fellow of The Wildlife Society in March 2004 and he was invited to give a lecture for the 100th year anniversary of a Forestry BS at the University of Maine, Orono. The lecture will be on October 4, 2004 and will summarize his graduate students' studies of breeding birds on industrial forests in South Carolina.

Dr. Chris DePerno Joins NCSU Faculty

Dr. Chris DePerno started as an Assistant Professor in the Fisheries and Wildlife Program, Department of Forestry on April 19, 2004. Chris obtained his B.S. from Central Michigan University (1990), M.S. from Purdue University (1994), and Ph.D. from South Dakota State University (1998). For the past 5 years, Chris has been a Research Scientist with the Minnesota Department of Natural Resources and an Adjunct Professor at South Dakota State University. Currently, he has 18 peer reviewed publications (4 in press), 43 reports, 110 professional and extension/education presentations, and he has obtained over \$1.2 million in research funding. His research interests include population ecology and management

of big game species and predators, habitat use and selection of big game species and predators, interactions of predators and prey, and sexual segregation and resource partitioning in ungulates. Chris will be teaching FW 221 (Principles Conservation of Natural Resources), FW 485 (Natural Resource Advocacy), and summer camp. Chris became President of the North Dakota Natural Science Society in September at the annual meeting held in Medora, North Dakota. He will serve as President until the 2005 annual meeting. Chris can be reached at 513-7559 or chris_deperno@ncsu.edu and his office is located in Turner House.

In September 2004, Dr. Dick Lancia will become President of The Wildlife Society.

Dr. Chris Moorman Co-directs Rendezvous

Dr. Chris Moorman, with **Renee Strnad**, co-directed the 2004 Fur, Fish, and Game Rendezvous at Camp Millstone. The camp was attended by 18 advanced campers and 70 regular campers. Also, he taught FOR 264 (Forest Wildlife) as part of Forestry Summer Camp at Hill Forest (18 students). His course and Summer

Dr. Phil Doerr Spent the Summer on the Yukon

Dr. Phil Doerr initiated summer working on the Yukon Kuskokwim River Delta National Wildlife Refuge with Alaska Office of Migratory Bird Management (MBM). MBM conducts annual surveys of nesting waterfowl, with a large number of aerial survey routes throughout Alaska. In western Alaska (The Y-K Delta), MBM conducts intensive ground searches for nesting waterfowl. Typically, a team of biologists is flown via float plane to a 1/2 x 1/4 mile randomly selected plot to spend the day nest-searching. 4-8 hours is required for each plot to be thoroughly searched. Data collected include species, clutch size, incubation stage, and presence/absence of adults. The team completed 81 plots. The abundance and diversity of bird life on the arctic coastal tundra in May & June is astonishing. Four geese dominate the waterfowl species: Cackling Canada's, Greater White-fronted, Emperors, and Black Brant. Three eider species occur: Common, Spectacled and Stellar's; the last 2 being "listed" and only found in this part of the arctic. Pintails, long-tailed ducks and teal (blue- and green-wing) are the principal

Camp (taught by **Brent and Beverly Lineberger**) were featured in a News and Observer Article (Barrett, B. June 17, 2004. 'NCSU melds study of forests, fauna'. The News and Observer, Raleigh. Page A1, A22). In addition to numerous meetings with County Extension Agents, Chris was invited to become a technical guidance representative for Smart Growth on issues related to greenway development and wildlife habitat.

ducks nesting here. Tundra Swans (with an amazing volcano-like nest structure!) and Sandhill cranes (basically a non-nest!) nest here as well. Pacific loon, and red-throated loon are common as are glaucous and glaucous-winged, and Sabine's gull. Also present, are parasitic and long-tailed jaegers, occasional gyrfalcons and peregrine falcons. Shore-birds nest in phenomenal numbers; including dunlin, western sandpiper, semipalmated SP, rock SP, golden plover, semipalmated plover, black turnstone, ruddy turnstone, red and Wilson's phalarope, bar-tailed godwit, whimbrel, and long-billed curlew. The noise of mating displays, calls, and territorial dispute makes the tundra pulsate 24-7 at this time of year. The Y-K Delta work was preceded and followed by several mandatory halibut & king salmon sampling trips. (ya gotta pay yer dues).

Tim Langer (Ph.D. student) and Phil trained 2 Bald Head Island Interns (Stan Hutchens & Greg Queen) who spent the summer initiating the American alligator studies and continued the white-tailed deer studies initiated several years ago. Phil made trips to each of these venues and jumped to Michael Stoskopf's whip as he directed the committee work to pursue the Fisheries and Wildlife Ph.D.

Barrett, B. June 17, 2004. 'NCSU melds study of forests, fauna'. The News and Observer, Raleigh. Page A1, A22.

Recent Publications, Reports, Presentations, and Funding

Publications & Reports

DePerno, C. S., and J. A. Jenks. 2004. Antlered does. *Minnesota Conservation Volunteer* May-June 2004:58-60.

DePerno, C. S. 2005 North Carolina Agricultural Chemicals Manual. Pages 514-524 in (eds.). College of Agricultural and Life Sciences, North Carolina State University, Raleigh, North Carolina. 524 pp.

Harper, C. A., **C. E. Moorman**, and M. J. Gudlin. 2004. Making old fields productive for wildlife. *Forest Landowner* 63:44-47.

Vandermaast, D. B., **C. E. Moorman**, K. R. Russell, and D. H. Van Lear. 2004. Initial vegetation response to prescribed fire in some oak-hickory forests of the South Carolina Piedmont. *Natural Areas Journal* 24:216-222.

Presentations

Doerr, P. "What I want new hunters to know about wildlife management." Wake County Wildlife Club Hunter Educator's Dinner, August 21st. Wake County Wildlife Club. Dinner Speaker.

Fecske, D. M., J. A. Jenks, F. G. Lindzey, **C. S. DePerno**, and T. L. Serfass. 2004. Distribution and abundance of cougars (*Puma concolor*) in the Black Hills, South Dakota. Eastern Cougar Conference, Ramada Inn and Conference Center, Morgantown, West Virginia.

Loehle, C., T. B. Wigley, M. Mitchell, S. Rutzmoser, J. Gerwin, **R. Lancia**, D. White, R. Thill, R. Weih, and P. Wood. 2004. A test of landscape-scale indicators or sustainable forestry using bird point-count data. Society of American Foresters Annual Conference.

Moorman, C. E. 2004. NCSU Campus Resources to Aid in the Identification and Control of Invasive Plants. NCSU Water Quality Group Invasive Plant Training, Centennial Campus, Raleigh.

Shaw, J. C., **R. A. Lancia**, and M. C. Conner. 2004. White-tailed deer dispersal: Pre and post quality deer management. Southeast Deer Study Group Meeting, Lexington, KY.

Grants/Funding

Moorman, C. E. 10/1/2004-9/30/2005. Landscaping for wildlife: a demonstration on the North Carolina State University campus. NCDFR Urban and Community Forestry grant program. (\$6,618).

Moorman, C. E.
*Landscaping for
wildlife. NCDFR Urban
and Community
Forestry grant program.
(\$6,618).*

Recent Events

Hot Dog Roast

On August 25, 2004, the fall hot dog cookout was held at Turner House. About 70 fisheries and wildlife students and faculty attended.

Orientation for New Graduate Students

On August 23, 2004, the Forestry Department held the Orientation for new graduate students at Jordan Hall.

American Fisheries Society's 134th Annual Meeting

American Fisheries Society's 134th annual meeting, was held in Madison, Wisconsin, August 22-26, 2004.

Graduate Student/Faculty Picnic

On August 27, 2004, the Forestry Department held the annual **Grad Student/Faculty Picnic** (Pig Pickin - Pot Luck) at Montague Lake.

Leopold Wildlife Club

On 25 August 2004, the Leopold Wildlife Club held the first meeting of the semester. The turnout was excellent and we look forward to an exciting and productive year. The Club will be advised by **Drs. Phil Doerr** and **Chris 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

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

The 11th Annual Conference of The Wildlife Society will be held September 18-22, 2004 in Calgary, Alberta, Canada. This is the first time The Wildlife Society Conference has been held in Canada. The technical program will consist of 7 workshops and 13 symposia and the plenary session is entitled, "Energy, Wildlife and People". There will be a NCSU alumni reception at the conference hosted by the Fisheries and Wildlife Program and the College of Natural Resources. Details of the conference can be located at www.wildlife.org.

Leopold Wildlife Club

The next meeting for the Leopold Wildlife Club will be Tuesday, 14 September 2004 at 7:00 pm in 2211 Gardner Hall.

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.

Job Opportunities

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>

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

The next meeting for the Leopold Wildlife Club will be Tuesday, 14 September 2004 at 7:00 pm in 2211 Gardner Hall.