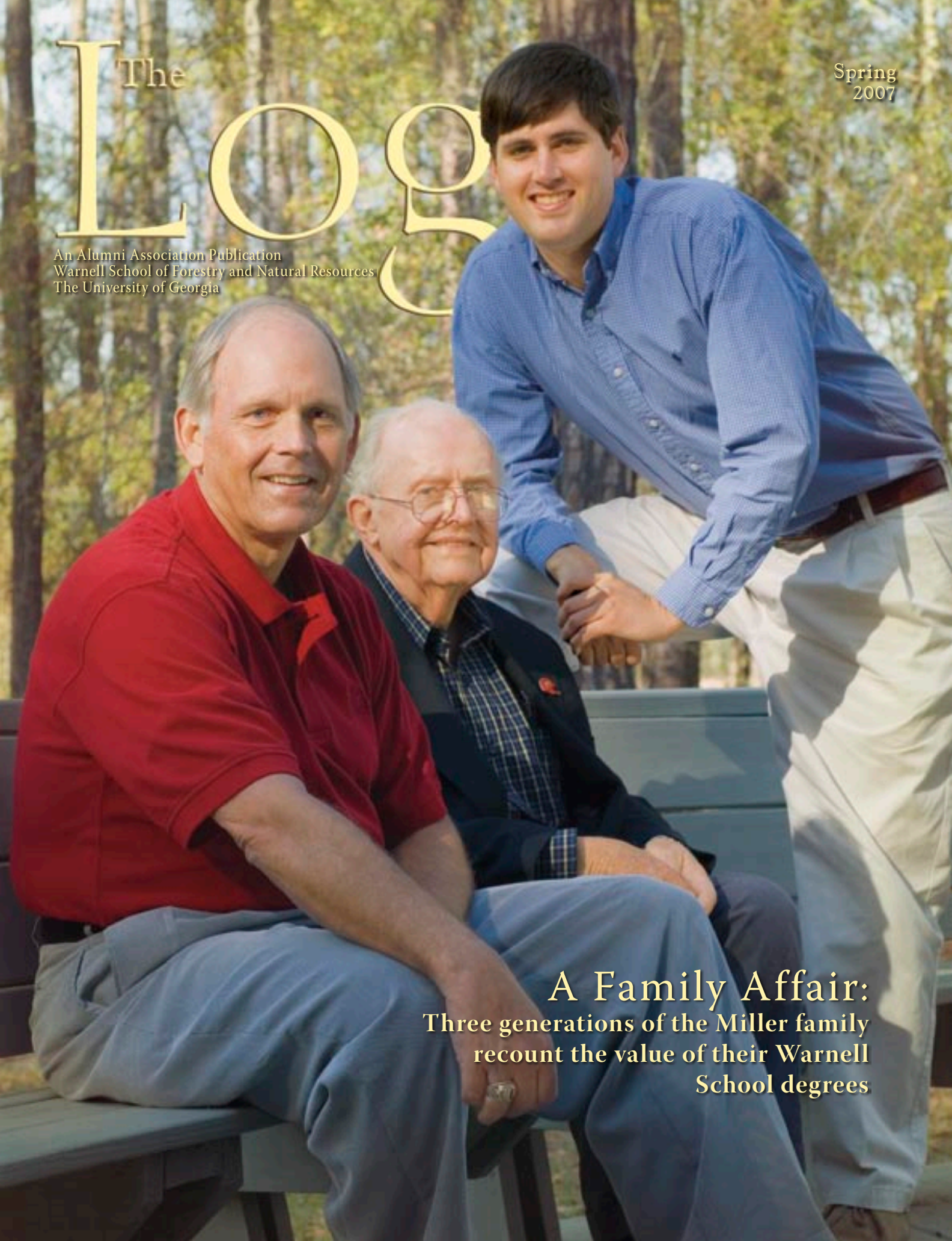


The Logg

An Alumni Association Publication
Warnell School of Forestry and Natural Resources
The University of Georgia

Spring
2007

A photograph of three men of different ages sitting on a wooden bench outdoors. The man on the left is middle-aged, wearing a red polo shirt and light blue trousers. The man in the center is elderly, wearing glasses, a dark jacket over a plaid shirt, and light blue trousers. The man on the right is young, wearing a blue button-down shirt and light-colored trousers, leaning forward with his hands clasped. The background shows trees and a clear sky.

A Family Affair:
Three generations of the Miller family
recount the value of their Warnell
School degrees



A Message

FROM THE INTERIM DEAN

As we finish celebrating our 100-year anniversary, it is fitting for me to be a little reflective. I joined the Warnell School faculty in December of 1983. Much has changed since then. Our faculty, staff, and students have responded to these changes in a manner that has enabled our programs to grow, improve, and diversify. Here are a few examples.

In 1983, we primarily served our own students. Non-majors had to obtain special permission to enroll in our courses. Today, Warnell faculty members are teaching several courses as a service to the University as a whole. These courses are primarily taken by non-majors, and not only help us attract new students to our majors, but also allow us to educate students across campus about forestry and natural resources. One of these courses—FORS/MARS 1100 (Natural Resource Conservation)—is so popular that we now offer it five times per year! Furthermore, today we have one of the largest study abroad programs at UGA, and most of the students who enroll in our study abroad courses are non-majors.

Perhaps the area where the greatest change has occurred during the past 23 years is in computer technology. Computers are now critical to our education and research activities, and they have greatly enhanced the efficiency of our service and outreach efforts. In 2006, School websites received more than 7.2 million visits from individuals seeking information from our service and outreach program.

Research efforts and funding within the Warnell School also have changed during the past two decades. We still have strong, traditional research programs in forestry, wildlife, fisheries, and soil and water resources; however, we have now added several new areas—genomics in forestry, wildlife and fisheries; assessing the value of undisturbed, privately owned forestland in terms of the ecological services it provides to society; and natural resource recreation and tourism are just a few examples. Not only have our research projects diversified, but so too has our research funding. As the proportion of state support has decreased, our faculty members have increasingly sought outside funding. Just in this past year (2006 vs. 2005), our School's faculty achieved nearly a 30% increase in the number of extramural proposals submitted, a 46% increase in the number of awards, and an 18% increase in the amount funded.

Let me conclude by thanking Dick and Rita Porterfield for their contributions and commitment to excellence within the Warnell School. During the three years they were with us, they helped move the Warnell School forward on many fronts. I believe that Dick established a strong foundation upon which we can build an even better program in forestry and natural resources for the future.

Sincerely,

Robert L. Warren
Interim Dean



Human Water Use Affects Fish Populations

A research project conducted by Dr. Jim Peterson (fisheries & aquaculture) and Dr. Rhett Jackson (water & soil resources) has determined that human water use does have a negative influence on the habitat and abundance of fishes in affected waterways. The study, conducted on the lower Flint River Basin, determined that in relation to conditions where there is no human manipulation of fresh-water resources, human water use is affecting fish species richness, distribution, and the biotic integrity of aquatic resources in the lower Flint River Basin.

Forestry program hosts 14th Biennial Southern Silvicultural Research Conference

Members of the Warnell School forestry faculty, in collaboration with the USDA Forest Service - Southern Research Station, hosted the 14th Biennial Southern Silvicultural Research Conference from February 26th to March 1st at the Classic Center in Athens, GA. The purpose of the conference was to provide a forum for the exchange of research information among silviculturalists and researchers in related areas, research coordination, review research in progress, and learn new approaches and techniques of general interest. The conference consisted of poster sessions, four concurrent presentation sessions, and experiential field trips. More than 300 professionals registered and attended this conference.

Grad student discusses “Geotourism” with Congressional leader

Nate Olive (left), Warnell School PhD candidate (Natural Resource Recreation and Tourism), met with United States Senator Tom Harkin (D-Iowa, right), the new Chairman of the Senate Agricultural Committee, VISFI, and UVI research personnel about ongoing and future collaborative research and education grant projects related to the links between agriculture, tourism, and natural resource management for small island and developing states. Harkin traveled to St. Croix in the Virgin Islands to visit the 200 acre research/education facility of the Virgin Islands Sustainable Farm Institute (VISFI) campus. Most of the research is centered on issues of sustainability in coastal land management. Olive is studying links between coastal tourism and environmental impacts, and how residents and visitors perceive “geotourism” as an alternative economic activity to so-called “mass-tourism,” under the guidance of Dr. Craig Miller.



WARREN

Serving School As Interim Dean

Bob Warren, professor of wildlife ecology and Meigs Distinguished Teaching Professor, has been serving the school as interim dean since December 1, 2006. Warren accepted this responsibility when approached by UGA Senior Vice-President for Academic Affairs and Provost Arnett Mace. Warren will serve until the search committee selects a candidate from a list of qualified applicants.

Warren joined the Warnell School in 1983 as assistant professor. He has since been named associate and full professor and member of the graduate faculty. He is also on the graduate faculty in UGA's Institute of Ecology's program in conservation ecology and sustainable development. In 2000 he was named a Meigs Distinguished Teaching Professor, UGA's highest honor for teaching.

His commitment to serving the professional wildlife community led to his election as national president of The Wildlife Society in 2002-03. His research interests include wildlife ecology and management and wildlife physiology and nutrition. He has received more than \$1.5 million in research awards and grants and is widely recognized for his studies on various control methods for "urban deer" and for the reintroduction of bobcats to their native habitat on Cumberland Island. Warren was the first recipient of the



Photo: J.P. Bond

Alumni Association's Faculty Award for Outstanding Teaching in 1994. He received the 2001 Senior Faculty Award from UGA's chapter of Gamma Sigma Delta, the honor society of agriculture.

Warren is recognized nationally and internationally for his research and contributions to the wildlife profession. He received the 1998 Communication Award from the Jack H. Berryman Institute, Utah State University, for editing a special 387-page Summer 1997 issue of the *Wildlife Society Bulletin* on deer overabundance. He is also a recipient of the National Park Service Special Achievement Award for outstanding natural resources research.

UGA chapter of TWS hosts 2007 Conclave



Photo: Jason R. Kinsey

The UGA student Chapter of The Wildlife Society (TWS) hosted TWS student chapters from 18 southeastern universities for the 33rd annual southeastern wildlife conclave, held from March 15-18 at the UGA Rock Eagle 4-H center in Eatonton, GA. Southeastern wildlife conclave is a friendly competition open to all colleges and universities located in TWS's southeastern

region that have an official student chapter of TWS. The event includes field competitions, such as game calling, radio telemetry, archery, and plant identification; quiz bowl, which tests the knowledge of students who study wildlife management, biology and ecology; social events; and an awards ceremony to recognize students and chapters that achieve the greatest success at individual events, and group competitions. As hosts of the 2007 wildlife conclave, members of the UGA student chapter, the most successful chapter over the 33 year history of this event, were ineligible to participate in this year's competition. However, hosting conclave is an honor among student chapters of TWS, and UGA student members had a spectacular time extending some Georgia hospitality to their fellow students. Special recognition goes to Jason Kinsey, Sharon Valitsky and Jay Scott for organizing the event.

Georgia Carbon Sequestration Registry

Faculty in the Warnell School's soils and forestry programs are actively involved with the state of Georgia in the development of a carbon sequestration registry and carbon trading market to help mitigate the rapid increases in atmospheric carbon concentrations resulting from increased burning of fossil fuels. Georgia hopes to have its carbon trading market operational by the end of 2007, which will make the state a leader in carbon-offset trading along with California and a consortium of northeastern states who have successfully enacted their carbon trading programs. The general objective for these registries is to provide guidelines to interested parties about quantifying their carbon emitting or sequestering activities with the intent of fostering carbon trading.

Learn from the experts in the UGA Fisheries Society

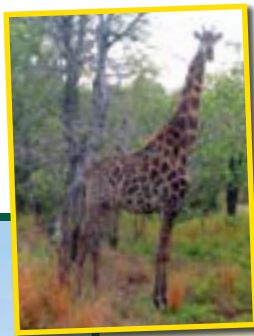
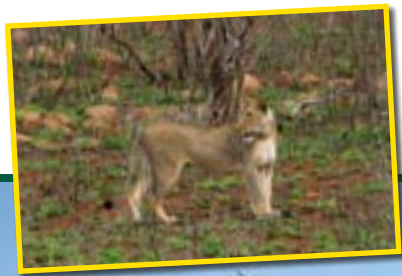
The UGA Fisheries Society, a student run sub-unit of the American Fisheries Society, continues to bring some of the top scientific minds to present seminars to UGA students who have an interest in all disciplines involving aquatic resources. Over the 2006-07 academic year, the UGA Fisheries Society hosted seminar presentations by Dr. James F. Kitchell, Director of the Center for Limnology at the University of Wisconsin-Madison; Dr. Peter Moyle, University of California-Davis; Dr. Jim Long, National Park Service, southeastern Region; Dr. Bud Freeman, Director of the UGA Museum of Natural History; and UGA professors Dr. Gary Grossman, Dr. John Wares and Dr. Nate Nibbelink. The topics presented at these seminars ranged from "Conservation Genetics of Gila Trout: more to it than heterozygosity," to "Ecosystem Management in the Great Lakes," to "California dreaming: the conservation of fish and aquatic ecosystems in the hydraulic society."



Photo: J.P. Bond

2006 Alumni Staff Awards Winners

Gail Lebengood, Mike Marsh, and Barbara Trotter were selected as the 2006 Alumni Staff Awards winners at the annual Homecoming Celebration.



Wildlife students study abroad in South Africa

Dr. John Carroll, wildlife professor at the Warnell School, is offering his "International Issues in Wildlife Conservation" course in South Africa from May 27th to June 25, 2007. The purpose of this course, which targets upper division science students, is to provide a first-hand understanding of the types of issues facing managers of protected areas throughout the world. The South Africa program incorporates several projects for the students enrolled in the course to provide familiarity to the place. Almost all students in natural resource fields dream of the opportunity to study in Africa. The continent is blessed by an immense diversity of wildlife, but also very real problems. Political upheaval and instability have helped to create a diverse array of wildlife and natural resources management issues to be studied and better understood.



Photo: Dean





Photo: J.P. Bond

A Family Affair:

Three generations of the Miller family appreciate and celebrate the value of their Warnell School degrees

By Eugene MacIntyre

“I always knew I was going to go to college at The University of Georgia,” explains William Flynn Miller, IV (“Flynn” BSFR ’06) a forester and real estate advisor for Timberland Harvesters, Inc. in Birmingham, AL. “I’ve kind of been brainwashed over the years by my dad and granddad. I knew forestry was what I wanted to do for my career, and they made [choosing a college] an easy decision.”

Needless to say, Flynn’s father William Flynn Miller, III (“Bill, III” BSF ’70), and Grandfather William Flynn Miller, Jr. (“Bill, Jr.” BSF ’47), were extremely supportive of Flynn’s decision to attend the Warnell School. Both gentlemen understand the high value of a Warnell School degree combined with a strong work ethic, as this combination has already allowed two generations of the Miller family to prosper in the southeastern timber industry.

“When I attended you had the option of timberland management or wildlife,” Bill, III said while describing the quality of the school’s curriculum when he was enrolled. “But now there are a host of various subjects that deal with the environment. There are so many ways to practice some form of forestry.”

“However,” Bill, III continues, “the degree also puts you in an arena that will open more doors for you if you want to do something outside of forestry.”

All three members of the Miller family are very proud of their degrees, and recognize the long-term positive reputation that it represents. “Growing up in Lake City, FL, there was a lot of excellent (forestry) work being done” at locations like the Osceola National Forest and Olustee Experimental Naval Stores station, according to Bill, Jr. “I wanted to follow in their footsteps, and the school suited that purpose very well.”

Upon graduation, Bill, Jr. used his GI Bill credit to enroll in graduate school at Duke University (MSF '48). There, he was a classmate of future Warnell School professor Wilfred "Hank" Haynes. Immediately following graduation from Duke, Bill, Jr. received three job offers. He chose to begin working for Rayonier in Fernandina Beach, FL, and retired thirty-nine years later in Jesup, GA, as manager of Georgia wood procurement and lands management for the forest industry powerhouse.

His son, Bill, III, also enjoyed long-term employment with forest industry leader Union Camp, and subsequently International Paper, where he "started as a working circle forester" after graduating from the Army's Officer Candidates School at Ft. Benning, "and moved eight times around the Southeast" until retiring from the company in 2005 as manager of supplier services. Bill is currently enjoying employment with F&W Forestry Services as vice president of logistics and development.

Not surprisingly, all three Millers' believe the success of a Warnell School education can be found in its top-flight faculty and the comprehensive field class opportunities presented to students. "I think the best thing about the program was the good professors that we had," Bill, Jr. explained. "They were very knowledgeable and respected and instilled in us the themes we needed to know to be successful in our careers."

The late Professor Archie Patterson stands out for both Bill, Jr. and III as the most influential professor either of them had. "He was excellent in teaching us how to develop professional presentations," Bill, III responded. "It is interesting that we (his father and he) would have the same favorite professor."

Professor Patterson also demanded a commitment to ethics among his students, according to the elder Millers, a tradition that has lasted among Warnell School faculty. "All classes taught you to do what is right ethically," explained Flynn. "You have to be honest, even if you have to tell a client something he does not want to hear."

Displaying the generation gap, Bill, Jr. quickly infused that, "back in our day it was just basically understood that you adhere to basic ethics. Our professors, by example, taught us that was what was expected." And while Bill, III agrees the school's faculty effectively taught ethics, he also recognized, "I had a good trainer here," as he nods and winks at his father.

Professor B.F. Grant was also singled out by Bill, Jr. because "he was in charge of summer camp in North Georgia." In fact, the experiential learning of Warnell School field courses held significant relevance to all of the Millers. Mensuration (Dr. Daniels), measurements (Dr. Bettinger), and harvesting and roads (Dr. Greene) are the three classes with field components that were most important to Flynn's education. "These three classes were the most beneficial for the work I do today," he said

"To me, field classes should have a whole lot of emphasis," Bill, III said. "To gain the knowledge and meet the woods workers, it really helps students figure out if this is really what they want to do,"

*"the school prepares you very well
to work with the latest technologies
advancing the industry."*

All three gentlemen also reflected on the ability of the school to maintain its position on the cutting-edge of industry advances. "When I started the

chainsaw was the primary source for cutting the trees down," Bill, Jr. reflected. "There has been a lot of evolution and equipment changes over time, and the school has done a good job of recognizing the latest mechanizations and teaching them to the students."

Flynn agrees, believing "the school prepares you very well to work with the latest technologies advancing the industry."

While the Warnell School has seen more than a hundred families send multiple members, and generations, through the hallowed halls of the "Classic" building, the Miller family is the first to have three separate generations graduate from the Warnell School. All three recognize the role the Warnell School has played in their lives, and believe it is the first step for a successful career in the southeastern timber industry.



Pete Bettinger, associate professor of landscape planning and harvest

scheduling, presented "Technology advancement in land management planning: Dual-edged sword," at the 2006 Society of American Foresters National Convention in Pittsburgh, PA, October 25 – 29, 2006.

Bruce Borders, professor of biometrics and mensuration, and research associates Mingliang Wang and Dehai Zhao, had an article published in the October 2006 edition of *Forest Ecology and Management*. The article is "Survival model for fusiform rust infected loblolly pine plantations with and without mid-rotation understory vegetation control."

Kim D. Coder, professor of community forestry, arboriculture and tree health care, was selected by the Georgia Arborist Association (GAA) as winner of the first annual award for "Meritorious Contribution and Service in Arboriculture" at the GAA year-end award ceremony on December 15, 2006.

Aaron Fisk, fisheries and aquaculture, has been approved as an Adjunct Associate Professor in the Warnell School.



Gary T. Green, associate professor of NRRT, was instrumental in the successful

completion and recent publication of the state of Wisconsin's State Comprehensive Outdoor Recreation Plan. Wisconsin's plan is being viewed as the model by which other states could/should follow.

Dale Greene, professor of forest operations, has been elected by fellow board members to serve as Chair of the Georgia State Board of Registration for Foresters for the year 2007.

Gary Grossman, distinguished research professor of fish ecology and population dynamics, gave an invited talk in the Dept. of Watershed Sciences at Utah State University on Oct 18th, 2006. The talk was entitled "Why I divorced community ecology and married population ecology."



Ron L. Hendrick, Jr., associate professor and Graduate Student Coordinator,

has been selected by senior administrators to fill the Associate Dean of Academic Affairs position vacated by **David Newman**. Newman has announced his resignation



Gail Lutowski, education specialist for the Warnell School, has been named an Outstanding Educator of the Year for 2007 by Project Learning Tree (PLT). Lutowski is one of five environmental educators selected nationwide and will receive her award on May 8 during PLT's 21st International Coordinators' Conference in Wichita, KS. Coordinating internationally acclaimed PLT programs across the state of Georgia is an important part of the Warnell School's public service mission, and administrators are proud to report that Lutowski is the fourth member of the Warnell School family to receive recognition as PLT Outstanding Educator of the Year over the past decade. Congratulations Gail!

from The University of Georgia effective June 30, 2007 to accept the chair position of the Department of Forestry and Natural Resources Management at ESF-SUNY in Syracuse, New York.

Michael Kane, professor of quantitative silviculture and Director of the Plantation Management Research Cooperative, has been appointed to the Graduate Faculty for a period of three years.

Daniel Markewitz, associate professor of forest soils, has been selected as chair-elect for the Soil Science Society of America's Forest, Range and Wildland Soils Division. He will assume the position of chairman for the year 2008.



Rebecca Moore, assistant professor of natural resource

economics, participated in a panel discussion at the 22nd Annual Odum Lecture, Sponsored by the Institute of Ecology on Nov. 1, 2006 .

Larry Morris, professor of forest soils, has accepted the position of Graduate Coordinator for the Warnell School of Forestry and Natural Resources effective July 1, 2007.

Uttiyo Raychaudhuri has been selected to fill an academic professional associate in Natural Resources Recreation and Tourism position. This is a new, non-tenure track faculty position designed to coordinate the Study Abroad in the South Pacific and Caribbean program. Raychaudhuri is a recent Ph.D. graduate from the Warnell School's NRRT program and was featured in the Spring 2006 edition of UGA's Graduate School Magazine.

Barry Shiver has been granted the title of Emeritus by the University System of Georgia Board of Regents.

Jacek P. Siry, Dale Greene, Thomas G. Harris, Jr., Robert I. Izlar, Amanda K. Hamsley, Kenneth Eason, Tommy Tye, Sara S. Baldwin, and Carol Hyldahl, faculty, staff and students in the Center for Forest Business, had their article "Wood Supply Chain Efficiency and Fiber Cost: What Can We Do Better?" published as the feature story in the Forest Products Journal's November edition.

Lora L. Smith has been appointed to the graduate faculty for a period of 7 years effective 12/14/06. Smith is an Assistant Scientist at the Joseph W. Jones Ecological Research Center.



Sara Schweitzer, professor of wildlife management and ecology, (right) received a check for \$17,300 from the GA Chapter Delta Waterfowl Foundation at their annual banquet held at the end of December to support her Mottled Duck research. She was presented with the check by Marvin Brown, the President of the GA Chapter (pictured on left).

Kim Coder

2007 WALTER BERNHARD HILL AWARD RECIPIENT

By Eugene MacIntyre

While many Georgia residents are concerned with the rapid pace of development and the effect it has on the state's expansive tree cover, Dr. Kim Coder has found opportunity within Georgia's growth trends to develop a new area of interest in forestry, called "community" or "urban" forestry. He has also helped establish professional organizations to ensure healthy trees remain a vital piece of Georgia's urban landscapes. After more than twenty years developing and servicing community forestry programs and institutions across the state, nation and world, Dr. Coder was recently recognized by The University of Georgia (UGA) with a 2007 Walter Bernard Hill Award for Distinguished Achievement in University Public Service and Outreach.

Since 1992, the Walter Barnard Hill Awards have recognized distinguished achievement in public service and outreach by University of Georgia faculty members and service professionals. Each recipient is judged to have made contributions to the improvement of the quality of life in Georgia or elsewhere of an order that greatly exceeds the normal accomplishments of a productive faculty member, according to an UGA news release. Hill Awards are seen as the highest recognition that can be provided to public service faculty and staff at UGA.

"I am truly honored to be receiving this distinguished award from the University," Dr. Coder, professor of community forestry, arboriculture and tree health care, acknowledged. "It is very rewarding to be recognized by your peers for the long hours and hard work invested into your profession."



Photo: Chuck Moore

Dr. Coder joined the faculty of the Warnell School in 1985 after completing his Bachelor's, Master's and Doctorate degrees from Iowa State University in forest management, tree physiology, and forest ecology. After just three years in Georgia, Dr. Coder recognized the dramatic growth trend spreading across the state, especially in the metropolitan Atlanta area, and began devising plans to improve management of trees planted in urban hardscapes and protect small forest plots as suburban development spreads farther away from urban centers.

Beginning In 1988, Dr. Coder helped found and served as education chair and president of the Georgia Urban Forest Council (GUFC), which aims to conserve and enhance Georgia's community forests. In 2005, GUFC presented Dr. Coder a lifetime achievement award for his contributions to the community forestry profession. Renowned as an educator, lecturer and author, Dr. Coder has conducted many "Basic Tree Care" workshops across the state on behalf of GUFC, while at the same time teaching urban tree management and designing the new Community Forestry Certificate program at UGA.

"Dr. Kim Coder has already achieved so much for urban forestry, and the Georgia Urban Forest Council in particular, that we wanted to recognize those achievements now, even as we look forward to his further accomplishments in the years ahead," the GUFC stated in a press release announcing the Lifetime Achievement Award.

Over his professional career, Dr. Coder has served as the world president of the International Society of Arboriculture (ISA), president of the Southern Chapter of ISA, and the International Arboricultural Research and Education Academy. He was also recognized by the ISA, receiving the highest international award for arboriculture education. In addition, he was twice appointed to the National Urban and Community Forestry Advisory Council, representing the universities of the nation to advise the Secretary of Agriculture on community forestry issues.

This past December, Dr. Coder was recognized by the Georgia Arborist Association (GAA) with the first annual award for "Meritorious Contribution and Service in Arboriculture."

"Kim has established himself as one of the state's most valuable resources for the forestry community over his 20 year career at the Warnell School," explained Bob Izlar, director of the Center



Interim Dean Bob Warren, Dr. Kim Coder, Dr. Art Dunning and Dr. Jim Sweeney at Dr. Coder's recognition ceremony.

"It is very rewarding to be recognized by your peers for the long hours and hard work invested into your profession."

for Forest Business and former Executive Vice-President of the Georgia Forestry Association. "The community forestry programs that he has established at UGA, and across the state, have allowed the forestry community to play an active role in protecting tree cover as much of Georgia's population continues to relocate to more urban and suburban environments."

Although growth and development have provided many quality of life benefits to residents and businesses in Georgia, they have come at a high cost to much of the state's tree cover. And though continued development is not likely to be limited, at least there are trained and committed professionals, such as Dr. Kim Coder, who are willing to dedicate their efforts to protecting the forests that remain, and enhancing Georgia's urban environments with healthy tree populations.

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Genetic

Emerges

Warnell

Research

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By Eugene MacIntyre / Photos: J.P. Bond

Life on planet Earth is a dynamic process of adaptation as environmental and habitat conditions constantly change. Over millions of years plant and animal species have developed, expanded, and sometimes disappeared as new species more adapted to changing environmental conditions achieve a competitive advantage and come to dominate habitat areas. Some people find these dynamic changes disturbing, as change is most always difficult for humans to adapt to emotionally, but as the scientific community has increased its understanding of the genetic processes that allow species to adapt to changing conditions, they are also improving their ability to protect plant and animal species from future threats.

In the discipline of forestry and natural resources, one area of genetic research has come to concentrate on population genetics, which allows scientists to better identify the amount and distribution of genetic variation within a population, species and/or ecosystem, according to Dr. Joe Nairn, assistant professor of forest genomics at the Warnell School. But, just as life changes and adapts, genetic science also advances as knowledge and understanding of the science increases. Today, the focus of forestry and natural resource scientists on population genetics has coalesced into the more concentrated discipline of conservation genetics.

As Dr. Nairn explains, paraphrasing John Avise, one of the founders of conservation genetics, “Biodiversity is essentially genetic diversity.” And most professionals involved in natural resource science and management recognize that biodiversity is now a dominant concept as society attempts to better understand and improve the conditions we find our natural resources in at present.

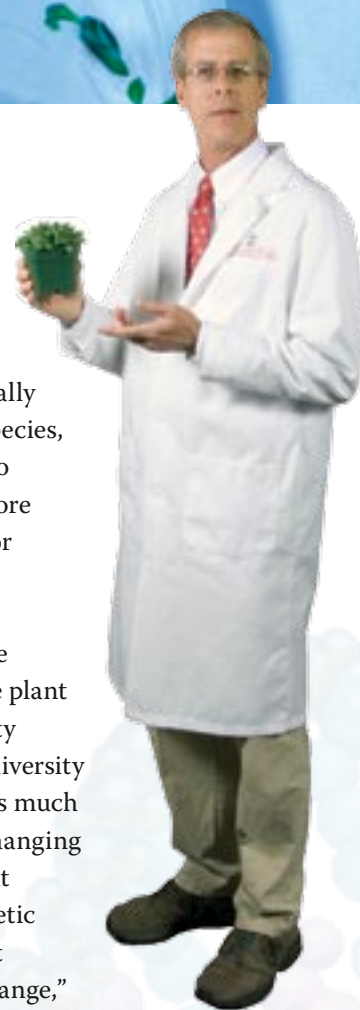
Conservation genetics has become an area of specialization over the past decade that allows

scientists to “apply population genetics methods to species of conservation concern,” according to Dr. Nairn. This specialization originally focused on endangered species, but has since “expanded to deal with populations before they become threatened or endangered,” he said.

As species populations are reduced, whether they are plant or animal, genetic diversity declines. And as genetic diversity declines, that species loses much of its ability to adapt to changing environmental and habitat conditions. “Without genetic plasticity a species cannot survive environmental change,” such as increasing temperatures as the earth continues to warm at record rates, Dr. Nairn emphasizes.

“If we want our forests and ecosystems to remain healthy, we need biodiversity (species complexity) and genetic diversity (genetic complexity).”

Dr. Nairn was hired by the Warnell School as a tree geneticist specializing in identifying genes that control wood formation in softwoods, and understanding how genetic variations affect wood properties. And while he, and his students, still spend the majority of their time researching wood formation, the interdisciplinary environment at the Warnell School has allowed members of the wildlife and fisheries faculty to begin collaborating with Dr. Nairn to gain a better appreciation of how his genetic research can also be effective in studying and understanding wildlife and fish species. This



collaboration has been best captured by Dr. John Carroll and his students who focus on gamebird research at the Warnell School. While Dr. Carroll would be the last to claim he can teach genetics to his students, he strongly encourages cross-disciplinary research and training with Dr. Nairn to enhance the level of their research.

Specifically, Brant Faircloth, Theron Terhune, and Soo Hyung Eo, graduate students in Dr. Carroll's gamebird program, take advantage of the diverse faculty expertise in population ecology and genetics to better understand the state gamebird, the Northern Bobwhite. Their research uses several genetic techniques to more accurately identify sub-species of Northern Bobwhite, the number of quail populations within the Southeast and the differences between them, the parentage of and relatedness between adults and offspring, and the ratio of male to female offspring within a population. Once all of this data is compiled and analyzed, Dr. Carroll's students will then "help to modify management goals and plans with these genetic components included," explains Faircloth, manager of the wildlife genetics laboratory established by Drs. Carroll and Nairn.

However, forest research is where traditional genetic research began at the Warnell School, before population and conservation genetics entered the scene, and presently Drs. Sarah Covert, Scott Merkle and Jeff Dean are actively achieving significant

accomplishments in their genetic research with specific species of trees.

Dr. Covert was one of more than a hundred scientists that participated in the analysis of the first complete tree genome, a black cottonwood, as part of a nation wide project that was featured in the September 2006 edition of the journal *Science*. "I realized working on this initiative would be a great research tool," Dr. Covert said. "Many of the benefits gained from the study of cottonwood development will transfer directly to southern pine."



Professor Jeff Dean (right) and Vincent Chang (left), Ph.D 2006, print microarrays to examine thousands of genes from loblolly pine on a single slide.

Meanwhile, Dr. Dean was recipient of the largest and only externally funded forest genomics grant among Warnell School faculty, \$1.6 million from the National Science Foundation, which has supported cataloging of all the genes that are active in loblolly pine roots and study of how their expression changes in response to environmental stresses. "In one small part of this study we discovered several genes whose expression was highly correlated with drought stress, and we are working with collaborators at UC-Davis and the University of Florida to identify in breeding populations specific variants of those genes that might protect future trees against severe drought," Dr. Dean explains. "Also, our gene catalog has become an important resource for a large community of researchers currently working toward characterization of a complete conifer genome."

Dr. Merkle, in a separate tree genetics project, is attempting to save the American chestnut tree



Sarah Covert shows Research Coordinator Angie Holliday fungus samples in her genetics laboratory at the Warnell School.



Gisele Dean checks on an American chestnut sample in Scott Merkle's genetics lab at the Warnell School.

from extinction by using in vitro propagation and gene transfer methods to test potential anti-fungal genes in native Georgia samples. In collaboration with the Georgia Chapter of The American Chestnut Foundation (TACF), who collect nuts from surviving American chestnut trees in the forest and deliver them to his lab, Dr. Merkle hopes he can find the perfect anti-fungal gene that will allow it to resist the invasive, Asian-born blight that has virtually eliminated this majestic tree from the eastern forests.

His collaboration with The American Chestnut Foundation recently facilitated the development of an American chestnut mother tree orchard at the Georgia Mountain Research and Education Center in Union County, Georgia. "This agreement (to develop the orchard) will allow us to take the next research step toward creating blight-resistant American chestnut trees," said Dr. Merkle. "If things work out as we hope, there may be a future for this great tree in its native habitat."

Genetic research is advancing rapidly and continues to provide a better understanding of how plant and animal species prosper or decline. Natural and human created threats that confront Southeastern plant and animal species, such as land fragmentation, development, and climate change, are not going to disappear. Therefore, Warnell School scientists will continue to focus the latest genetic research findings on how they can protect both indigenous and important introduced species from a declining future.

Warnell School Faculty Collaborating in Genetic Research with Dr. Joe Nairn	
Faculty	Area of Genetic Research
Dr. John Carroll	Northern Bobwhite Quail
Dr. Bob Warren	Bobcat
Dr. Cecil Jennings	Robust Redhorse
Dr. Mike Conroy	Black Bear
Dr. Sara Schweitzer	Mottled Duck
Dr. Steven Castleberry	Loggerhead Sea Turtles
Dr. Dana Nelson (USGS)	Eastern Hemlock Tree

Dr. Joe Nairn and wildlife graduate student Brian Shamblin collect egg shell samples from a nest that had hatched the day before. DNA samples can be used to identify the mother turtle



Photo: Mark Dodd, Sea Turtle Coordinator for Georgia DNR

Silent Auction

Supports GSA Activities, Non-profits

The Warnell School Graduate Student Association hosted the 10th annual Graduate Research Symposium at the Warnell School in February. For the third year in a row, Warnell GSA combined the symposium with a silent auction fundraiser.

The 2007 auction was even more successful than prior years thanks to the generosity of the Athens and Warnell School communities. More than 30 items were donated by local businesses and individuals. There were items for every taste and budget, including sporting goods, power tools, hand-made crafts, a ceramics lesson, gift certificates, and gift baskets.

Faculty, staff and students generously bid on the items. The final proceeds totaled more than \$575 and will be divided between funding the activities of Warnell GSA and local non-profits that work on natural resource management issues.

— Doug Hohman, president
Warnell Graduate Student Association

The grant recipients/symposium winners for the 10th Annual Warnell Graduate Student Symposium are:

Session 1

- 1st Place **Christian R. Mora** (Determination of moisture content and specific gravity of merchantable loblolly pine (*Pinus taeda* L.) logs by near infrared spectroscopy)
- 2nd Place **Brad F. Miller** (Social structuring of a Central Appalachian deer herd and a test of localized management)
- 3rd Place **April Nuckolls** (The effects of simulated hemlock woolly adelgid (*Adelges tsuga*) damage on short-term carbon cycling in Southern Appalachian eastern hemlock (*Tsuga canadensis*) stands)

Session 2

- 1st Place **Sharon A. Valitzki** (Behavioral responses of white-tailed deer to vehicle-mounted sound-producing devices)
- 2nd Place **Jessica H. Murdock** (Use of white-tailed deer as sentinels for *Borrelia* spp. in the eastern United States)
- 3rd Place **Virginia Morales** (Economic impact of forest policy in Uruguay)

Session 3

- 1st Place **Mary H. Johnson** Estimating bobcat (*Lynx rufus*) population size from molecular markers: using hair and scats in mark-recapture analysis)
- 2nd Place **Ian L. Adams** (Tillage Effects on Loblolly Pine Growth During the First Three Growing Seasons and Applications of Soil Electrical Resistivity in a Plantation)
- 3rd Place **Josh Romeis** (Phosphorus and sediment delivery by headwater streams draining poultry operations in the Upper Etowah River Basin, Georgia)

Session 4

- 1st Place **Joshua D. Schrecengost** (Coyote (*Canis latrans*) food habits at the Savannah River Site, South Carolina)
- 2nd Place **Duncan Elkins** (Effects of rainbow trout (*Oncorhynchus mykiss*) introduction on a native Appalachian cyprinid)
- 3rd Place **Theron Terhune** (Effects of translocation on northern bobwhite (*Colinus virginianus*) demographics and genetics within a fragmented landscape)

Session 5

- 1st Place **Soo Hyung Eo** (Latitudinal gradient in genetic population divergence predicts future species richness)
- 2nd Place **Susan Ellis-Felege** (Predation ecology of the northern bobwhite in the Southeastern United States)
- 3rd Place **Allyson S. Read** (Experimental restoration of wiregrass communities: a preliminary comparison of herbicide treatments (Georgia))

Warnell GSA would like to thank the kind support of our many donors, who include:

- AFS
- Barbara Trotter
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- Joan Schneier
- Kaleidoscope
- Play-it-Again Sports
- ReTool
- The Healthy Gourmet
- TWS
- The Warnell School of Forestry and Natural Resources.

Renee Carleton, Nico Dauphine, Soo Hyung Eo, and Rua Stob (Mordecai), wildlife graduate students, have each been selected as recipients of H. Branch Howe, Jr. grant funds to support their ornithological research. Eo and Stob(Mordecai) also received grant support, along with **Theron M. Terhune** and **Brant C. Faircloth**, from the newly created Bill Terrell grant fund for their research. Both the Howe and the Terrell grants are provided by the Georgia Ornithological Society to assist graduate students across the southeast with ornithological research.

Kenneth D. Eason, forestry graduate student, co-authored "Potential Impacts of 97,000-GVW on Logging Costs" with Dr. Dale Greene in conjunction with the Wood Supply Research Institute last semester. The technical release was published in *Georgia Forestry Today*, the Forest Resources Association's (FRA) *Forest Operations Review*, and a Minnesota Logging Association publication, and won first place for paper submissions from the FRA's Southeast Region.

Amanda Hamsley, forestry graduate student, had two technical releases published in the November '06 edition of *Forest Operation Review*, an official publication for the Forest Resources Association.

Rei Hayashi, forestry graduate student, made a presentation on "Above Ground Biomass Estimation Using Landsat ETM+ Imagery" at the 2006 Society of American Foresters National Convention in Pittsburgh, PA, October 25 – 29, 2006.

Cris Hein, wildlife graduate student, won the student presentation award at the 17th annual Colloquium on the Conservation of Mammals in the Southeastern United States, hosted by the Florida Fish and Wildlife Conservation Commission in Destin, FL, on Friday, February 16th. The title of his presentation was "Selection of Winter Day-roosts by Seminole and Red Bats in an Industrial Forest in the Lower Coastal Plain of South Carolina."

James Martin and Adam Butler, both graduate students in Dr. John Carroll's gamebird program conducting research at/through the Tall Timbers

Research Station, are featured researchers and writers in the first issue of the Florida Upland News Bulletin. The objective of this newsletter is to inform the wide range of people who are interested in early successional upland habitats about the various research and management projects that are taking place in Florida. Bobwhite quail are an important aspect of many of the projects covered in this issue. Butler's article is based on his "Ranchland project, songbird study," while Martin's article is based on his "Ranchland project, quail study." These are significant contributions to a growing literature base.

Theron Terhune, wildlife graduate student, was awarded the "Best Paper Award", along with his co-authors Daymond W. Hughes, D. Clay Sisson, and H. Lee Stribling, for the paper they submitted and presented at the 2005 annual meeting of the Southeastern Association of Fish and Wildlife Agencies. Their paper was titled "Demographics of Northern Bobwhite on Agricultural and Intensively Managed Bobwhite Plantation Landscapes."



Photos (above and right): Daniel van Dijk (BSFR 2006)

Warnell Students **Sean Sterrett, Kerry Holcomb** (pictured), **Joe Milanovich, Andrew Grosse** and **Daniel van Dijk** with Dr. John Maerz's Herpetological Lab participated in Bioblitz Georgia on March 17-18, a friendly competition with Herpetological Society chapters at Auburn University and Georgia State University to identify herpetological species and habitat areas in Georgia's Paulding Forest Wildlife Management Area. The members of these chapters are specialists in identifying reptiles/amphibians and their habitat areas, so the Georgia DNR developed Bioblitz Georgia to tap their expertise and better understand the herpetological resources that live in Georgia's protected spaces as well as their habitat needs.



Andrew Saunders...

...knew he wanted to have a career in science ever since he blew up his high school chemistry lab in Cumming, Georgia.

From that auspicious beginning, Andrew went on to begin his college career at Reinhardt College and transferred to UGA to work in natural resource education. He earned his BSFR in Wildlife in 2005. During his time in the program, Andrew served as a student ambassador, was a member of several clubs, and attended the study abroad program in South Africa. It was during the trip to South Africa where



he became friends with Emily Saunders (BSFR 2005), whom he married in 2005. He is currently enrolled in the MFR program in forestry and is graduating in May 2007. While in the MFR program, Andrew works as the Community Forestry Intern for the Athens Clarke County Landscape Management Division. Upon graduation Andrew would like to work full-time as the Community Forester for Athens, GA.

James Herrin:

As a Fisheries & Aquaculture student at the Warnell School, James Herrin has had plenty of opportunities to get involved with research. In addition to working in Dr. Gary Grossman's lab assisting Warnell Graduate students with different projects involving invasive species and turbidity studies, James also volunteers his time to work in Dr. Lyndon West's Marine Natural Products Lab at the Pharmacy School. Their lab's current project involves looking for chemicals that may be good candidates for human drug applications. James is currently applying for a research fellowship to further their studies and to conduct his own project, which will investigate the culture of a species of Caribbean coral that is the source of a drug candidate with good potential. When James isn't in the lab, he also finds time to volunteer with the cancer support

group Rays of Light and the Warnell School Student Ambassadors. As a founding member of Rays of Light, James helped organize the group, which makes gift baskets for hospitalized children. As an Ambassador, James has traveled across the State educating Georgia's children about natural resources, as well as the Warnell School. After graduation, James would like to continue researching practical methods of fisheries conservation.




FOR THE RECORD

Essays On Education, Research and Issues In Natural Resource Management

Antarctica: Voyage of a Lifetime

By Scott Pfeninger



Antarctica is the coldest, windiest, driest, highest, quietest, most remote, and least understood continent on earth. Yet it is among the most fascinating, beautiful, and untouched places one can imagine. I discovered this over the winter break when Dr. Michael Tarrant, with help from Dr. Laura Sessions, led a group of nineteen to the end of the earth.

Photo: Alan Campbell - www.alancampbellstudios.com

It all began last fall with the newest addition to the Studies Abroad Program, *Antarctica: The Fragile Continent*. Classes exploring Antarctica, with emphasis on tourism, conservation, and sustainable use, were held weekly via web cast from

Gateway Antarctica, a center for Antarctic studies in New Zealand. The course explored the Antarctic region with topics including history and biological sciences with special emphasis on tourism, conservation, and sustainable use.

The day after Christmas we packed our winter clothing and rubber boots and made the trek to Ushuaia, Argentina, the southern-most town in the world. Our group consisted of eleven students from UGA: undergraduates Susan Dennard, William

“Beau” Gilmore, Thomas Hamlin, Eleanor Hand, Maggie Hodges, Jennifer Oliver, Satish Reddy; and post-graduates: Louie Cleveland, Scott Pfeninger, Allyson Read and Jeffrey Ziegeweid. Other undergraduates were: Annabel Filbert of Oregon State University, Sarah Saville of Virginia Tech, Stephanie Schlitter of Berkeley, Zosia “Sophie” Zawacki of Franklin and Marshall College, University of Saint Thomas post-graduate Daphne Rawlinson, Reinhardt College web coordinator Marnette Bowen, and North Carolina teacher Julie Maes.

After studying sustainable tourism practices in Ushuaia and Tierra del Fuego National Park we boarded the Polar Star icebreaker, our home for the next ten days, and sailed through the Drake Passage on calm seas. After crossing the Antarctic Convergence into the Southern Ocean, we approached the South Shetland Islands where we sighted the first of many icebergs and were greeted by humpback whales.

With much anticipation we awoke on Jan. 2, just off of the Antarctic Peninsula at Browns Bluff and saw a few Weddell Seals amongst thousands of penguins. Our routine over the next four days was the same as

Photo: Scott Pfeninger



University of Georgia Study Abroad group boards a Zodiac boat to explore the ice sheets and study the penguins of Antarctica.

we geared up in winter clothes, rain gear, rubber boots, and a life jacket and boarded a rubber zodiac boat, eight at a time, to be transported to shore where we could explore. Over lunch the ship would be repositioned to another site, and the process would begin again.

Making two landings each day while traveling along the Antarctic Peninsula, we visited Paulet Island, Snow Hill Island, Devils Island, Half Moon Island, Deception Island’s caldera through Neptune’s Bellows, Port Lockroy – United Kingdoms top secret base during World War

II, and Paradise Bay. We studied over 400,000 Adélie, 10,000 chinstrap, and 3,000 gentoo penguins, along with numerous seals, birds, ancient marine fossils, and an old whaling station.

At our last stop we took a final panoramic view of Antarctica and “paddled like the penguins,” sliding down a huge snow field on our bellies. Upon reaching the bottom, the UGA group had a tremendous snowball fight, the first for many. To end our visit many took a polar plunge amongst the icebergs – quite refreshing in water 36° F.



The first view of the Antarctic Peninsula just off shore of Brown Bluff.

As we headed back north we recalled our travels as the ship navigated through uncharted waters passing just feet away from huge icebergs. In the quiet you could hear the water fizzing as centuries old air bubbled out of the glacial ice. Humpback whales escorted us through the beautiful Neumayer Channel with minke whales leading us through other passages. It was an indescribable sight viewing so many curious penguins as they followed us to see what we were doing. It was the march of the penguins in real life.

Two and a half days later we disembarked for the final time in Ushuaia after having traveled over 1,800 nautical miles to as far as 64° 58.5' South. We had become a family of adventurers, experiencing dramatic scenery and wildlife

exceeding expectations. All participants have personal experiences beyond their imaginations and photographs that simply don't do the landscape justice.

We came away with a better appreciation for just how much climate change is affecting the global environment and how sustainable use is so important. It was the voyage of a lifetime and one that none of us will soon forget!

Scott Pfeninger is a '07 graduate student from Roswell, GA in the Natural Resource Recreation and Tourism program and a National Park Service Chief Ranger at Chattahoochee River National Recreation Area.



Photos: Scott Pfeninger



Gentoo penguins frolic about their nests and among the whale skeletons found at Jougla Point on Wiencke Island, next to Port Lockroy.



A curious Adélie penguin stares back by an inland lake, one of 300,000 on Paulet Island. Penguins were everywhere, following us as we explored.

Make Your Mark

By Ali Gant

As you surely know by now, we at Warnell are reveling in our Centennial Year! It has become something of a joke in the School that everywhere we turn these days there's celebration—and cake, cake, cake! We invite you to commemorate your involvement with Warnell during these past 100 years in a way that's less caloric but every bit as fulfilling.

“...throughout the century, the Warnell School has been at the forefront of teaching, research and innovation, producing leaders in all disciplines of the field. There's no better way to show your support in this centennial year than by becoming a member of the Centennial Society.”

This spring and fall, Alumni Steering Committee President Steve Worthington and President-Elect Brian Wommack are leading the Warnell alumni in our Centennial Campaign. To become a member of the Centennial Society, simply make a donation of at least \$100 to Warnell between now and November 27, 2007, the final day of our Centennial Celebration. All Society members will have their names engraved on a plaque that will hang prominently in the School for all to see!

I hope you have already received the brochure about this once-in-a-century opportunity. You may also receive a call from someone in your class asking you to join. If you're interested in making calls to your former classmates as well, please let us know, and we will provide you with names and numbers.

On a similar note, you will see that every mailing from Warnell and the University of Georgia provides suggested levels of giving. But are you aware that you can earmark your gift for a specific fund within the School? For example, on the Centennial Society brochure, you'll see boxes you can check for our



Photo: J.P. Bond

general Forestry Fund and the new Young Alumni Endowment Fund. Below that is a box labeled “Other,” along with a directive to contact our office if you have questions. I hope you will take advantage of this opportunity to learn more about the many options for directing your gifts. Arch Foundation funds within Warnell include The Forest Business Support Fund, The Northeast Georgia Quail Unlimited Fund, Thompson Mills Arbor Collection Fund, and the Young Alumni Endowment for Leadership & Training.

Over the past 100 years, natural resource management has grown from the days of two-man crosscut saws and unchecked harvests to an era of modern technology combined with the latest scientific research to ensure sustainability for future generations. And throughout the century, the Warnell School has been at the forefront of teaching, research and innovation, producing leaders in all disciplines of the field. There's no better way to show your support in this centennial year than by becoming a member of the Centennial Society.

To learn how you can help with the Centennial Campaign, contact Bridget Harden at: bharden@warnell.uga.edu or 706.542.0713.

Ali Gant is the Director of Development & Alumni Relations. Contact Ali at agant@warnell.uga.edu or 706.542.1011.

Homecoming

2007 SCHEDULE OF ACTIVITIES

Thursday, November 1

Alumni Symposium

Friday, November 2

Alumni Golf Tournament
 Alumni School Tour
 Dedication of "Archie's Chapel"
 Whitehall Mansion Open House
 Alumni Dinner at Flinchum's Phoenix
 Presentation of Distinguished Alumni Awards, Warnell Staff Awards
 Silent Auction featuring works by Warnell Alumni & Friends artists.

Saturday, November 3

Annual Alumni Association Meeting
 Game Day Bar-B-Q
 Shuttle bus providing roundtrip transportation to game
 Football Game (UGA vs. Troy State) 1:00 pm (estimated kick-off)

Room blocks available at:

Hilton Garden Inn 706.353.6800
 Holiday Inn 706.549.4433
 Foundry Park Inn 706.549.7020

Contact Bridget Harden, Warnell Alumni Coordinator,
 706.542.0713 or bharden@warnell.uga.edu

For ticket information please call the
 UGA Athletic Association Ticket Office at
 706.542.1231.

Tailgates!

This football season Warnell will host the following in tailgates in the Mary Kahrs Warnell Garden. Tailgates begin 3 hours prior to kick-off. All active members of the Warnell Alumni Association are invited to attend. If you are not an active member we encourage you to join by making a gift to benefit Warnell. Contact the Alumni/Development Office for more information 706.542.7602 or gifts@warnell.uga.edu

- September 8 UGA vs. South Carolina
- September 29 UGA vs. Ole Miss
- November 10. UGA vs. Auburn

Look for detailed information in the Warnell football mailer in July.



HOMECOMING 2007

SPONSORSHIP INFORMATION SHEET

Sponsorship Levels

Gold Sponsor \$2,500

- Two stadium seats (limited availability)
- Shuttle ride from BBQ to stadium and back
- Corporate name and logo on poster at entrance to the event
- Corporate name and logo on the invitation
- Corporate name and logo at sign in table
- Acknowledgement in Fall issue of *The Log*
- Six tickets to the BBQ

Bronze Sponsor \$500

- Corporate name and logo on poster at entrance to the event
- Corporate name and logo at sign in table
- Acknowledgement in Fall issue of *The Log*
- Two tickets to the BBQ

Silver Sponsor \$1,000

- Corporate name and logo on poster at entrance to the event
- Corporate name and logo on the invitation
- Corporate name and logo at sign in table
- Acknowledgement in one issue of *The Log*
- Four tickets to the BBQ

Friends of Warnell \$250

- Corporate name and logo at sign in table
- Acknowledgement in Fall issue of *The Log*
- One ticket to the BBQ



The Warnell School homecoming BBQ is designed to raise awareness and support of the Warnell School of Forestry and Natural Resources. Attended by students, alumni, faculty, staff and their guests, it has been deemed the "event of the Season." Held at Flinchum's Phoenix at Whitehall, this year's event will build on last year's success and promises to be, once again, an event not to be missed.

Please respond by June 15, 2007 to meet the invitation printing deadline. All proceeds from this event will benefit the Warnell School of Forestry and Natural Resources. Logo will need to be sent along with any restrictions to: agant@warnell.uga.edu by July 1, 2007

Please write your name and the name of the organization as you would like it to appear in print.

Name: _____ Title: _____

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Sponsor Amount: \$ _____ (Payable by July 1, 2007)

Make checks payable to the Arch Foundation.

Business Description of Sponsor (Please write description to appear in publication):

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Sponsorships made to the Warnell School of Forestry and Natural Resources are tax-deductible to the maximum allowed by law. Please consult your tax advisor.

Forms may be mailed, emailed or faxed to:

Ali B. Gant
 Warnell School of Forestry & Natural Resources
 University of Georgia,
 Athens, GA 30602

E-mail: agant@warnell.uga.edu
 Phone: 706-542-1011 • Fax: 706-542-8356



ALUMNI ON THE JOB:

BRIAN STONE

By Eugene MacIntyre

“Forestry was an easy choice of profession for me,” explains Brian Stone (BSFR ’99; MFR ’01) appraisal services manager for Forest Resource Consultants, Inc (FRC) in Macon, Ga. “Growing up, I watched my father (Miles Anthony “Andy”; BSFR ’74), work as a forester and would often go with him to check logging jobs.”

Brian is just another example of the family environment that has developed at the Warnell School over its 100 year history as members of Georgia’s forestry community pass their knowledge and business accomplishments along to the next generation.

“As time passed, I began to work part-time for him in the summers,” Brian said. “I planted my first tree, painted my first boundary line, and marked my first thinning under his supervision. Once I decided to become a forester too, he scheduled a visit to the Warnell School so that I was aware of the necessary curriculum I would need to be successful.”

Beginning with that first visit, Brian has maintained his determination to become a leader in the southeastern forestry industry. He has been active in taking leadership roles that he hopes will improve his professional development, while at the same time strengthening those organizations that have helped make the industry so successful for so long.

“There are multiple reasons I have become actively involved in the Warnell School’s Young Alumni Committee and the Georgia Forestry Associations’ Young Professionals Group,” Brian said. “Involvement assists me in becoming a better informed professional, better prepares me for future leadership opportunities, and provides great networking opportunities.” It has also “given me the opportunity to give back to the school and its current students through the establishment of the Young Alumni Endowment for Leadership Training, which will perpetually enhance student leadership qualities for both undergraduate and graduate students enrolled in the Warnell School.”



Photo: J.P. Bond

In addition to all his after-hours efforts, Brian says he truly enjoys his work with FRC. “Upon graduation, I had an interest in applying both my forestry and business education by pursuing a career in forestland appraisals,” he said. “Forestland appraisal is a niche in the appraisal marketplace that is primarily filled by larger consulting firms like FRC. Therefore, FRC was a perfect fit.”

He also enjoys the variety of projects he gets to work on. “My past appraisal assignments have included properties ranging in size from less than 100 acres to more than 500,000 acres with various ownership interest ranging from fee simple ownership to lease hold and lease fee ownerships. Past clients have included timberland investment management organizations (TIMO’s), forest product companies, lending institutions, and private non-industrial landowners.”

This past year, Brian achieved what he considers his greatest personal accomplishment. On June 3, 2006, he married the love of his life, Ms. Kristen Gordon. No matter where Brian goes from here in his professional or personal life, the future is sure to be bright.

1950

William G. Sheppard (BSF 1951) 625 W. Carolina Avenue, Summerville, SC 29483, retired from Southern Woodlands in 1989. He and his wife, Nadine, enjoy spending time with three children, six grandchildren and 2 great grandchildren.

Thornwell "Trigger" Lee (BSF 1957) 401 East Oak Street, Atmore, AL 36502

1960

Arthur West (BSF 1960) 256 Brasstown Road, Westminster, SC 29693, stays active with his church and enjoys working on his old Jeep with his son.

Johnnie G. Dekle (BSF 1961) 1311 Bermuda Drive, Louisville, GA 30434, retired from Cooperative Extension in 1991. Since retirement, Johnnie has camped in 49 states & 9 provinces of Canada.

Earl Smith (BSF 1965) 805 Marsh Lane, Saint Marys, GA 31558, retired from Gilman Forest Products after 30 years of service.

Don Hook (PHD 1968) 110 Willow Place, Apt. #105, Easley, SC 29640, Publish America presented *Stich and Me: A Scientific and Mythological Journey Through Climatic Changes and Survivors* by Six Mile brothers Don and Ken Hook in August 2006. The story is a mix of science and myth about plants, animals and humans that have survived climatic changes over millions of years.

Charles L. Andrews (BSF 1969) 1398 Northwood Circle, Gainesville, GA 30501 retired from Brenau University as Vice President for Administrative Services.

1980

Russell "Rusty" Garrison (MS 1984) 3521 Fodder Creek Road, Hiawassee, GA 30546, was named Assistant Chief of Game Management with the Georgia Department of Natural Resources.

Susan King Allen (MS 1988) 1075 Beaverdam Road, Winterville, GA 30683, married Joseph Allen on August 11, 2006. Both Susan and Joseph work at the University of Georgia Center for

Continuing Education Conference Center & Hotel. Susan is head of the Conference and Program Development Department, and Joseph is an assistant director.

1990

Mr. Phillip Exley (BSFR 1996) 201 Fairway Drive, Americus, GA 31709, is employed with Weyerhaeuser Company as a timber buyer at the Flint River pulp mill in Oglethorpe, GA. Married for 8 years to wife Sandy and raising 2 boys, Owen and Luke Exley.

Jim Jordan (MS 1998) 540 Cobby Creek Lane, Seabrook Island, SC 29455 jjordan@kiawahisland.org, married Meagham Davis on May 14, 2005. Jim is Wildlife Biologist for the Town of Kiawah Island.

2000

Jack R. Foskey (BSFR 2004) Rt 1 Box 20, Kite, GA 31049, married Robyn Anderson on June 5, 2006. Jack is employed with Langdale Forest Products.

Robie Receives 2006 TAPPI Engineering Division Leadership and Service Award



Edward Robie (center) is the recipient of the 2006 TAPPI Engineering Division Leadership and Service Award. The award honors outstanding contributions to TAPPI's Engineering Division. TAPPI (Technical Association of the Pulp & Paper Industry) is the leading association for the worldwide pulp, paper, packaging, and converting industries.

Edward Robie (center) is the recipient of the 2006 TAPPI Engineering Division Leadership and Service Award. The award honors outstanding contributions to TAPPI's Engineering Division. TAPPI (Technical Association of the Pulp & Paper Industry) is the

Robie graduated from UGA's Warnell School in 1971 with a BS degree in forest resource management. Robie joined the staff of the Society of American Foresters, Washington, DC, in 1974. In 1984 he joined the TAPPI staff as a meeting administrator. He served as manager of meetings from 1988-1991 and then as director, meetings and exhibits from 1991-1994. He retired from TAPPI in June 2006 as event project manager. Robie is a member of the Georgia Society of Association Executives and became a certified meeting professional in 1986. He lives in Sandy Springs, GA with his wife Kate and daughter, Meg. Son, Jack is in his third year at the US Naval Academy in Annapolis.

Liberty Moore Haray (MS 2004, BSFR 2001) 101 Jones Way, Darien, GA 31305 with her husband, Jason Haray, announce the birth of their son, Cecil "Parker" Haray on December 14, 2006. Liberty currently serves as Chair of the Warnell Young Alumni Committee.

Kole E. Smith (BSFR 2004) 664 SW Amberwood Loop, #106, Lake City, FL 32025 married Jill Steppett on October 21, 2006.

We Want To Hear From You!

Stay in touch by submitting your latest news and/or address changes to the Warnell Alumni Office: news@warnell.uga.edu



Obituaries

James "Jim" W. Cooper, Sr. (BSF 1938), 90, died November 18, 2006. He received a Bachelor of Science degree in forestry and was the commandant of the Army Reserve Training Center in Savannah from 1952 to 1966. In 1946 he joined Union Camp Corporation as a Forester and retired in 1979 as Superintendent of the wood evaluation department.

Olin "Pop" Lindsey (BSF 1939), 90, of Washington, GA, died February 9, 2007. He was born in Henry County and received a degree in forestry at UGA. An army veteran of WWII serving in the Signal Corps, Mr. Lindsey was also well known for his work in forest protection as the first forest ranger in Wilkes County. He also worked for Farm Bureau Federation as well as Vice President of Marketing for Blue Cross where he retired after 22 years.

Harold Lesselbaum (BSF 1941) of Atlanta, died January 18, 2007. He was a graduate of forestry and served in the US Army Corps of Engineers during WWII. He worked for the South Carolina Forest Service in Florence and Kingtree. Mr. Lesselbaum was a partner in Williamsburg Building Supply Co. for 38 years and after his retirement, earned his real estate license and worked for 8 years with McGill Real Estate Agency.

Vernon Randall Reddish (BSF 1951), 82, of Butler, GA, died August 12, 2006 following a brief illness. Mr. Reddish studied forestry at UGA. He was a veteran of WWII and served as Taylor County Extension Agent for 35 years. He was an active member of Butler United Methodist Church.

Allen Webster Layson, Sr. (BSF 1956), 75, of Reform, AL, died January 5, 2007. Born in Eatonton, GA, he was a graduate of forestry at UGA. Mr. Layson

was a U.S. Army veteran of the Korean Conflict. He was a former employee with Bo Waters Paper Corporation for 13 years and with Weyerhaeuser for 17 years. He also served as a member of the U.S. House of Representatives for 20 years.

Bennie Roy Fulcher (BSF 1958), 70, of Covington, GA died January 15, 2007. Mr. Fulcher was born in Augusta, GA, and graduated from UGA with a degree in forestry. He retired in 1998 from Timber Products, Inc. in Conyers, GA.

Adrian Royce Harrison (BSF 1962) was a native of Pierce County and died at age 77 on December 7, 2006, in Swainsboro, GA. He served in the US Army during the Korean Conflict and graduated with a degree in forestry at UGA. He retired as manager with Champion International Co. in Nunez, GA, and Lumber City, GA.

Return Service Requested



Looking for New Employment!

**A comprehensive listing of
Forestry and Natural Resources
job opportunities can be found on
the Warnell School website at:
<http://jobs.forestry.uga.edu>**