History in the (un)making

White Dam modification becomes state model

Distinguished Alumni: Earl Barrs & Erin Lincoln honored

Alumni on the Job: Whitney Della Torre
Winter is finally here—it took its dear sweet time, and it followed some damaging storms that have impacted many of our friends, alumni, students and their families. Our extension faculty have been working to support efforts to help landowners affected by Hurricane Michael. Our thoughts and prayers are with all of our friends across the South who are recovering from the ravages of recent tropical weather.

On the bright side, as always, it has been great to see so many Warnell alumni and friends this past fall. We again had strong attendance at our Friday Homecoming dinner and the Saturday tailgate despite the warm temperatures. It was great to see many who had not been on campus for years, and it was startling to be introduced to children of my former students who are now students on campus. We recognized Earl Barrs (BSFR ’74) as our Distinguished Alumnus and Erin Lincoln (BSFR ’05) as our Distinguished Young Alumnus. Erin was also selected as a member of the 2018 UGA 40 Under 40 class and will chair our Dean’s Advisory Board in 2019. Both have served and represented the Warnell School with distinction for years.

We are genuinely blessed by our alumni and supporters who serve on one of our three Warnell School committees: Young Alumni Committee, Alumni Steering Committee, or Dean’s Advisory Board. The alumni committees focus on strengthening alumni participation through the support of school activities and fundraising, while the advisory board uses their expertise to further partnerships and guide the direction of our school. Their efforts make a significant and appreciated difference in our ability to excel in our missions of research, teaching, and service for all of our stakeholders.

As you receive this issue of The Log, we are in the midst of interviews to hire new faculty and are also about to launch searches for other positions. Each search committee has external members representing our alumni or stakeholders. Rest assured that we consider the faculty hiring process to be perhaps the most important effort that we undertake. In our next issue, we will introduce you to those new faculty, and we know that you will look forward to meeting them.

In the meantime, thank you all for your stalwart support of the Warnell School and enjoy the winter months with your family and friends. Go Dawgs!

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Fall brings changes, achievements to Warnell

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Dale Greene, Dean
On the Cover: The White Dam stood for a century but long outlived its usefulness. By modifying the dam, the Warnell School reopened part of the Middle Oconee River, improved aquatic connectivity and made the water safer for boaters. Photos by Tripp Lowe

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How are we doing?
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The Log
Warnell School of Forestry and Natural Resources
180 E. Green St.
University of Georgia
Athens, GA 30602

THE LOG is an Alumni Association publication. It is published twice a year in the summer and winter.

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Winter 2019
Warnell has said goodbye to two longtime professors: Drs. Ben Jackson and Dave Moorhead retired in January after distinguished careers.

Jackson has been a professor and timber harvesting specialist at Warnell since 1990, and he has been part of a number of important programs, including the Timber Harvesting Expo SE and the Georgia State 4H Forestry Competition. Jackson has also helped lead important training programs on best management practices for Georgia foresters, log truck drivers, master tree farmers, and master timber harvesters. His outreach efforts also included developing the national water quality website and authoring the harvesting and utilization sections of the Southern Bioenergy Encyclopedia, as well as holding hundreds of continuing education courses at UGA.

After so many years in teaching, he said, retirement “is kind of scary.”

“I feel lucky to have been on the faculty,” Jackson said. “Warnell has great people and is a great school.”

Jackson said he plans to travel and “work in my woodworking shop and help my wife with her Serve Our Seniors program in Oconee County.”

Moorhead first joined UGA in 1983 as an assistant professor, but has been a professor and extension forester since 1998. Since 2008 he has also been codirector of the Center for Invasive Species and Ecosystem Health. Based at the UGA campus in Tifton, Moorhead has been overseeing statewide outreach programs on forest herbicides, invasive species and forest health issues, prescribed fire, and forest management for county extension agents, private landowners, foresters and natural resource managers. Over the years, he has accumulated a number of distinguished awards and has been a prolific author of outreach publications.

Retirement, he says, will focus on “unfinished projects at home that my wife expects me to finish ASAP as I can’t use work anymore as an excuse to put them off. Past that I expect time to catch up on fishing, hunting, golf and travel. I’ve been blessed to spend the last 35 years in Georgia and at Warnell—it has been a wonderful place to work in forestry, both from the resource and the people I’ve had the pleasure to work with over the years.”

Greene said forest landowners have a lot to thank Moorhead for, because he helped them “understand how pine stands planted in old fields during the Conservation Reserve Program needed different management than those on cutover forest sites. Initially CRP focused on planting loblolly pine, but when it shifted the focus to longleaf pine Dave was right there with up-to-date information for that species. As co-director of the Center for Invasive Species and Ecosystem Health, he helped created an internationally recognized program focusing on identifying and working to limit the impact of invasive species in Georgia and around the country.”

Greene said Jackson has made his mark on both Warnell and the forest industry. “Ben Jackson’s longleaf pine Dave was right there with up-to-date information for that species. As co-director of the Center for Invasive Species and Ecosystem Health, he helped created an internationally recognized program focusing on identifying and working to limit the impact of invasive species in Georgia and around the country.”

You’ve become an expert on drone technology. How did you first become interested in these unmanned aerial vehicles?

I purchased my first model airplane four years ago. It was a Styrofoam fixed-wing that I spent two months putting together, only to discover I had put the prop on backward. After fixing my mistake, I threw that sucker as hard as I could and, to my surprise, it was in the air—for a glorious 10 seconds before the internal balance shifted and the plane shot straight up in the air about 300 feet. Ed accidentally hit the off button. My first model aircraft on its maiden flight came to spectacular stop in the middle of the field.

I learned two valuable lessons that day. First, you will crash. It might not happen right away like it did to me, but you will eventually and you need to prepare yourself. Second, knowing how to fly your drone is not enough. Before you take off, you should read everything you can about how to operate your aircraft and pay special attention to what to do when things go wrong.

You’ve spearheaded the inclusion of drones into Warnell’s curriculum. How did this come about?

We were awarded a student technology fee grant from UGA at the end of 2017 to purchase a fleet of drones. We were able to purchase a couple small ones that the students practice with inside of the auditorium. We have a couple medium-size drones, the DJI phantom 4 Professional, that students with the proper FAA certification can check out and fly for their studies. We also purchased a couple big drones capable of lifting multiple sensors.

How have drones changed our curriculum?

I teach a course in the spring that focuses on how to process these data and how to use their output in the management workflow. We also spend quite a bit of time reviewing the rules and regulations drone pilots must adhere to when using these tools.

Convincing other faculty members to consider using drones in their courses and research has been pretty easy. Warnell already has students analyzing drone data of the Whitemhall forests and the changing waterway down at the White Dam, we have another student monitoring water quality at the Oconee Forest Park, and we flew the Georgia coastal waterways earlier this summer looking for terrapin.

What are the benefits of learning drone technology for students?

GPS technology changed the way we worked—how we marked and revisited sample locations, how we mapped the forest, how we let others know where we were going and where we’ve been. Drones are and will continue to have a similar effect on the way we work. The ability to view a site from above allows us to evaluate current conditions in the context of its surroundings. Students who have experience capturing data with these tools and the skills to process and analyze them are at the forefront of this technology.

Do landowners/managers need to do anything special before they use drones for their management purposes?

You need to be careful. Drone usage is regulated by the FAA. They consider two broad categories—recreational users and business users. If the purpose of your flight will benefit your or another’s business, then it falls in the business user category and you must adhere to their regulations regarding commercial use of drones. You can find out more information at the FAA’s KnowBeforeYouFly.org site.
NEW FACULTY SPOTLIGHT

David Clabo

Position: Assistant Professor of Extension Silviculture
Education: BS, University of Tennessee; PhD, University of Tennessee
Personal: I enjoy a variety of hobbies and activities in my spare time including: hiking, cycling, fishing, camping, running, weight lifting, basketball, snow skiing, attending sporting events, and visiting with family and friends.

Where I was before Warnell: After finishing my PhD in the spring of 2018, I continued working as a part-time consulting forester with Four Aims Forestry LLC throughout East Tennessee, and I worked as a part-time research specialist with the University of Tennessee.

Classes I am teaching: I will teach or co-teach short courses for private landowners and other stakeholder groups, and I will teach continuing education courses for natural resource professionals and county extension agents.

My research interests: Invasive plant management, southern pine silviculture and management, mixed pine-hardwood silviculture and management, bottomland hardwoods silviculture and management, prescribed fire, forestry herbicides, forestry best management practices

Why I came to Warnell: The Warnell School of Forestry and Natural Resources is a well-known and respected forestry and natural resources program throughout the United States and the world. I am proud to have the opportunity to contribute to the mission of the school and the university through forestry extension outreach programs and applied research that I will be involved with or lead. I enjoy working with people that may have questions or are interested in forestry topics through extension outreach, reaching out to other subject matter experts for answers, or by answering more difficult questions with new research projects.

Dan Johnson

Position: Assistant Professor of Tree Physiology and Forest Ecology
Education: BS and MS, NC State University; PhD, Wake Forest University
Personal: Wife Danielle and I have one son, Winston, who is 7. I enjoy camping and fishing with my family. I also enjoy playing all kinds of music.

Where I was before Warnell: University of Idaho

Classes I am teaching: Dendrology, Tree Physiology

My research interests: Plant water use, drought tolerance and anything related to trees and ecology!

Why I came to Warnell: To join a highly collaborative group of faculty and to get to work with amazing students.

Jesse Abrams

Position: Assistant Professor of Natural Resource Policy and Sustainability
Education: MS and PhD, Oregon State University; BA, New College of Florida
Personal: My fiancé Verónica Choque Campos and I married in November 2018. Verónica is a physical therapist from Salta, Argentina, which is where the wedding took place.

Where I was before Warnell: After finishing my PhD, I taught for two years at Whitman College in Walla Walla, Washington, and then spent five years as a faculty research associate at the University of Oregon.

Classes I am teaching: Natural Resource Conservation fall semester, co-taught with Michael Kane. In the spring I’ll be teaching Economics of Renewable Resources and Society and Natural Resources.

My research interests: Natural resource policy, environmental governance, integration of resource production and conservation, and the relationships between communities, land management agencies, and the lands they manage.

Why I came to Warnell: I chose Warnell because of the school’s reputation for excellence in research and teaching, as well as the opportunity to collaborate with other top scholars at Warnell and at the Savannah River Ecology Laboratory.

WARNELL ALUMNI
SAVE THE DATE!

Sporting Clays tournament
Elbert County Gun Club, April 19, 2019

Warnell Night at Southern Brewing Company
April 19, 2019

TWS The Wildlife Supper
April 20, 2019
**Dr. Karl Miller** received the Southeastern Association of Fish and Wildlife Agencies’ highest award recently—the C.W. Watson Award, which is given to someone who has made the greatest contribution to wildlife or fish conservation in the previous year or years. Miller is a nationally renowned deer researcher, and has co-edited a book, “Quality Whitetails”, which has been critical in shaping deer hunters’ and managers’ expectations in the Southeast. Miller was also involved in the development of the Quality Deer Management Association and remains an engaged member. Beyond white-tailed deer, Miller has provided important contributions to forest management and to conservation of bats, songbirds, squirrels, amphibians and coyotes.

The Warnell School dedicated two rooms late last year. The interview room in Building 1 in November was named in honor of the Georgia Forestry Association, which chose to “name” this room through UGA’s room sponsorship program. Sponsoring classrooms or other available spaces at Warnell allows donors to help keep our programs and technology updated. Laura and Meredith Devendorf also took Warnell up on this opportunity, dedicating the John Porter Stevens Dean’s Suite in honor of Laura’s father and Meredith’s grandfather.

**Sarah Martin** won the Nathan Deal Conserve Georgia’s Natural Resources Scholarship. Martin, who is a master’s student in Dr. Joe Nairn’s lab, was the only winner of this award. “It is a testament to hard work and our graduate program to receive this recognition,” Nairn said.

**Gary Grossman** has won the Albert Nelson Marquis Lifetime Achievement Award from Who’s Who. Who’s Who Lifetime Achievement recognizes individuals that have achieved greatness in their industry. These individuals have excelled in their field for at least 20 years.

**Warnell professors** Pete Bettinger and Dick Daniels were named to the Society of American Foresters’ Class of 2018 Fellows last year. Being named a Fellow is one of the highest honors one can receive from the SAF, which says bestowing the rank of Fellow is an exceptional recognition by their peers for “outstanding contributions and service to the SAF and its profession.”

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The forest health group attended the 2018 Southern Forest Insect Work Conference in San Antonio, Texas, recently, and walked away as award winners: PhD student Thomas Whitney took first place in the grad student oral presentation and won the Roger F. Anderson Outstanding Graduate Student Award in the Southeastern Region. Dr. Caterina Villari won the award for best image in the forest insect damage category, while master’s student Holly Munno and Dr. Kamal Gandhi were co-winners for best image in the “other” category. Left to right: Gandhi, Villari, Munno and Whitney.

**Angela Burrow** and **Sarah Martin** represented Warnell well at the Georgia chapter of The Wildlife Society’s annual meeting held last year. Burrow (left), who is working on her PhD, won 1st place in the grad student presentations, and Martin (right), an MS student, won third.

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**Bob Teskey**, who retired not too long ago, was honored recently at the Society of American Foresters’ annual national convention in Portland with the 2018 Barrington Moore Memorial Award. This award recognizes outstanding achievement in biological research leading to the advancement of forestry.

**Dr. Tiffany Vidal** (PhD ’17) and her major professor, Dr. Brian Irwin, recently won a best paper award from the American Fisheries Society. Their paper, “Using Variance Structure to Quantify Responses to Perturbation in Fish Catches,” was chosen to receive the Robert L. Kendall Award for the Best Paper in the Transactions of the American Fisheries Society for 2017. Vidal accepted the award at the recent annual AFS meeting in Atlantic City, New Jersey.
Research Notes

Red Wolf DNA found in canid population in Texas

Though red wolves were declared extinct in the wild by 1980, a team of biologists has found their DNA in a group of canines living on Galveston Island off the coast of Texas. Warnell’s Dr. Mike Chamberlain and post-doc Joseph Hinton were part of a Princeton-led research team to make this discovery, “Rediscovery of Red Wolf Ghost Alleles in a Canid Population Along the American Gulf Coast,” published recently in the journal Genes.

Prior to this finding, the only known living red wolves (Canis rufus) were a reintroduced group in North Carolina. The small wolves—larger than coyotes but smaller than the better-known gray wolves—once lived throughout the southeastern United States, but by the 1970s, they were facing extinction. To save the species, the last known red wolves were trapped for a captive breeding program. They had already begun interbreeding with coyotes, so of the 240 canines captured, only 17 were deemed 100 percent wolf. Of those, 14 successfully reproduced, and by 1990, a population of red wolves had been successfully reintroduced to North Carolina.

The red wolf population now has fewer than 40 surviving members, leaving them once again on the brink of extinction in the wild. Wildlife biologist Ron Wooten had been observing a population of canines on Galveston Island and he asked researchers at Princeton to conduct genetic testing.

Once the researchers extracted and processed the DNA, they compared the samples to each of the legally recognized wild species of the genus Canis that occur in North America. They used samples from 29 coyotes from Alabama, Louisiana, Oklahoma and Texas; 10 gray wolves from Yellowstone National Park; 10 eastern wolves (C. lycaon) from Algonquin Provincial Park in Ontario; and 11 red wolves from the red wolf captive breeding program.

When they ran their genetic analyses, they found that the Galveston Island animals also carried a unique genetic variation not found in any of the known canines of North America. Wolves and coyotes prefer to breed with members of their own species, so hybridization occurs only under very specific ecological conditions, such as when population densities are so low that the animals are forced to choose between interbreeding and forgoing breeding altogether.

Forestry property tax methods inconsistent across US South, Warnell researcher finds

Warnell’s Dr. Yanshu Li recently published a paper in the Journal of Forestry, “A Comparative Overview of Current-Use Valuation of Forests for Property-Tax Purposes in the US South.” In this paper, Li examines the varied methods used across Southern states in determining the current-use valuation of forestry properties. She found that there are major issues with current practices, including “inconsistencies in the valuation method and forestry properties under assessment, inconsistencies in measure of incomes and costs, the quality of data for timber growth, insufficient treatment of risks associated with forest management, and the arbitrary limits on capitalization rate.”

Li proposes these recommendations to policy makers to address these issues: ensure the consistency in valuation method and forestry assets, take risks into consideration, weigh the benefits and risks of fixed measures, and introduce adjustment mechanisms to the valuation system.

Preservation of wilderness areas has strong support in Southern Appalachian Region, report finds

Warnell researchers recently finished a report for The Wilderness Society and the Southern Environmental Law Center that looked at what residents think of the Southern Appalachian Region wilderness areas. Drs. Kyle Woosnam, Bynum Boley and Gary Green, and PhD student Sam Keith authored the report, which found that residents who took their surveys had strong support for the preservation of wilderness areas for current and future visitors.

The research team surveyed residents in Charlotte, North Carolina; Atlanta; Knoxville, Tennessee; Chattanooga, Tennessee; Greenville-Spartanburg, South Carolina; and Asheville, North Carolina.

“The natural qualities in wilderness areas seemed to be their most valuable characteristic,” the report says. "This claim is supported by participants seeing air and water protection as the most important benefits of wilderness areas; their understanding that wilderness areas are places to view flora, fauna and experience the prevalence of natural conditions; and their primary motivations to visiting wilderness being to observe the beauty, sights, sounds and smells of nature. As such, it is clear that wilderness areas are not only important destinations for outdoor recreation within the Southern Appalachian Region, but also highly valued for their ecosystem services.”
New paper offers potential solution to the ash dieback epidemic

Warnell’s Dr. Caterina Villari recently co-authored a paper addressing the ash dieback epidemic. “Advanced spectroscopy-based phenotyping offers a potential solution to the ash dieback epidemic” was recently published in Scientific Reports. In the paper, Villari and other co-authors note that ash dieback, caused by the fungus Hymenoscyphus fraxineus, has caused large-scale population decline of European ash (Fraxinus excelsior) across Europe, and is threatening to functionally extirpate this tree species.

“Genetically controlled host resistance is a key element to ensure European ash survival and to restore this keystone species where it has been decimated. We know that a low quantitative resistance that is stable across environments. To exploit this resource for breeding and restoration efforts, tools that allow for effective and efficient, rapid identification and deployment of superior genotypes are now sorely needed.”

She and the other researchers showed that Fourier-transform infrared (FT-IR) spectroscopy of phenolic extracts from uninfected bark tissue, coupled with a model based on soft independent modelling of class analogy (SIMCA), can robustly discriminate between ADB-resistant and susceptible European ash. The model was validated with populations of European ash grown across six European countries. “Our work demonstrates that this approach can efficiently advance the effort to save such fundamental forest resource in Europe and elsewhere.”

Wood Pellets and Streamflow: A Case Study

Dr. Puneet Dwivedi and former Warnell graduate student Surendra Shrestha (MS ’16) recently co-authored a paper that looked at how wood pellets would affect streamflow. “Assessing the Potential Impact of Rising Production of Industrial Wood Pellets on Streamflow in the Presence of Projected Changes in Land Use and Climate: A Case Study from the Oconee River Basin in Georgia, United States” was recently published in the journal Water. “Our results suggest that streamflow is relatively stable (+1% change) for land use and temperature-related cases relative to the base case of no change in land use and climate. However, changes in precipitation by ±10% lead to considerable changes (+25%) in streamflow relative to the base case. Based on our results, expected changes in precipitation due to the changing climate will determine any changes in the streamflow, rather than projected land use changes in the context of rising demand for industrial wood pellets for export purposes in the selected watershed,” the team said.

Researchers create prediction model for loblolly survival

Warnell researchers recently published a paper in Forest Science about loblolly pine survival projections. “Two-Step Regression Process for Whole Stand Loblolly Pine Survival Projection and Quantifying Uncertainty” was co-authored by PhD student Derrick Gallagher and Drs. Cristian Montes, Bronson Bullock and Michael Kane. The team wanted to provide a method to “derive a density function for the two-step regression approach and demonstrate its use for loblolly pine in the Lower Coastal Plain.” Their method can accurately predict loblolly pine stand survival to age 15, their paper says, and provides a means to quantify the survival prediction uncertainty. “Forest managers can use this methodology to derive flexible stand survival models using different biological assumptions to predict future stand survival and make informed decisions, such as the timing of thinning to capture the loss of revenue from mortality.”

Green turtle nesting in northern US a distinct subpopulation

Warnell researcher Brian Shamblin led a study that recently published findings that female green turtles nesting in northern South Carolina, North Carolina and Delaware represent “an incipient subpopulation” from all northern Greater Caribbean subpopulations, including those in Florida. “Green Turtles Nesting at Their Northern Range Limit in the United States Represent a Distinct Subpopulation” was recently published in Chelonian Conservation and Biology. Shamblin and the other research team members used genetic tagging through microsatellite genotyping of clutches laid in northern South Carolina, North Carolina and Delaware from 2010 through 2014. They identified at least 52 individual nesting females, and the “mitochondrial control region haplotype frequencies of these individuals were significantly different from all northern Greater Caribbean subpopulations, including those in Florida, suggesting that these northern US females represent an incipient subpopulation that warrants distinct management unit status.”
Making history
White Dam modification opens Middle Oconee, improves aquatic connectivity

Preserving History for a Better Future
Students and UGA researchers have had their eye on the White Dam for years. It’s not clear when the dam first went up, but the White Dam as we know it was finished in 1913 and that’s when it was fitted with a generator to supply power to the nearby textile mill.

Back in the late 1930s, the White Dam became UGA property and still supplied power. But when the power generator was shut down because of lack of efficiency, workers removed gates that controlled water flow but left the structure, leaving two small openings that caused water to rush through.

Story by SANDI MARTIN

The White Dam crossing the Middle Oconee River behind Flinchum’s Phoenix stood for a century, withstanding storms, floods, kayakers, and river debris long after it stopped generating electricity.

It took workers less than a week to modify it, opening the river back up to aquatic wildlife.

And Dr. Jay Shelton was one of the people standing on the banks watching with delight as a long blocked section of river was opened up to aquatic wildlife and outdoors enthusiasts. Opening up the river and improving aquatic connectivity is not only a major boon for the Middle Oconee, but it’s also an outstanding “example of synergy between Warnell and multiple resources management organizations,” Shelton said.

“It was the right thing for the right reasons,” Shelton said, “because the dam served no economic or flood-control functions, yet remained an in-channel obstruction with human safety issues.”

Removing part of the dam may have looked easy to outside onlookers, but it was anything but, Shelton said. Modifying the White Dam was a tremendously complex project that took years to come about, and when it was over, the University of Georgia and Warnell created a model for the state for removing abandoned and inoperable dams.

“This is a beginning,” Shelton said. “This is a model of how it can work, and we’ve learned a great deal that can be applied to future issues of aquatic connectivity throughout Georgia.”

Many fish, like the Altamaha shiner, couldn’t overcome the speed and force of the water to move past it further upstream. It also posed safety problems from the debris that would accumulate along the structure, requiring Warnell workers to go out and remove branches, scrap wood and garbage that had been carried downriver. It was also dangerous for boaters coming downstream.

For years, students and researchers have studied the feasibility of removing the dam and what that would mean for aquatic connectivity. Justin Vining (MS ’15) was one of the students who looked at taking out the dam, and even pitched the idea at a water summit in Athens two years ago. In that feasibility study co-authored with
Shelton and others, Vining noted that there was really no good reason to keep the White Dam around.

Vining said modifying the dam has achieved everyone’s goals of improved fish passage upstream and safer waters for recreational use. “Since that dam went in around 1905, this species has been physically unable to swim through the openings in the structure,” he said. “Unable to overcome the increased velocity, the dam reduced habitat patch size and isolated populations.”

But removing the dam was easier said than done, Shelton said.

“Dam projects are very complex and take years,” he said. “They do not happen overnight.”

Clearing the river

So what did it take?

Lots of work and coordinating with multiple agencies, including the US Fish and Wildlife Service, the Army Corps of Engineers, Georgia Department of Natural Resources and the Environmental Protection Agency, as well as NGO’s like the Nature Conservancy, American Rivers and the Southeast Aquatic Resources Partnership. Shelton and other Warnell and UGA officials filled out reams of paperwork, and worked closely with the Georgia State Historic Preservation Office because the dam is a historic structure.

From start to finish, Shelton said, getting permission to take out the dam took years.

The actual modification took mere days.

Leading the work was the US Fish and Wildlife Service’s Aquatic Habitat Restoration team, the only team of its kind in the country. This group specializes in removing small dams to improve conditions for aquatic wildlife.

They started on July 16, 2018, taking out debris clogging the breaches. Then they created a ramp into the river using riprap and hundreds of tons of natural rocks from the Middle Oconee just upstream of the dam to allow heavy machinery to roll into the river. Using an 8,500-pound hammer, one machine went to work on chipping away at concrete, steel and stone. A claw on another machine scopped up the concrete and steel, and trucks hauled it all way to a construction and demolition landfill.

But not all of it came down. Warnell wanted to preserve the history of the White Dam, so after clearing out the center section, workers left the old power house on the bank and the stone on either side of the dam.

It was important to keep them, Shelton said, because although the dam no longer served any useful purpose, it is still part of Athens’ history. It also paved the way for removing the dam—obliterating every bit of it would have rankled history buffs. So when proposing to remove the White Dam, they kept that in mind. “My goal: How do we accomplish our goals and avoid conflict among stakeholders?” Shelton said.

Eyes on the Future

So far, removing the White Dam has been a success not only in opening up the Middle Oconee, but also in how pleased everyone has been about how efficient the modification went. Warnell was even honored for the project by being named a Clean Water Hero by the Georgia Water Coalition.

This project, Shelton said, can now serve as a model for how to remove other old, inoperable dams across the state.

There are several thousand dams in Georgia, he said, and “many of them are very old and either need to be repaired or have massive sediment built up behind them.” Although many of those dams in the state are still in service, others “have outlived their usability.”

Vining said he already sees a ripple effect from modifying the White Dam. “The buzz created with this has already led to a small number of projects being brought to the springboard,” he said, and Warnell proved that you can retain a dam’s history while also making river access better. “The White Dam project shows that the sentiments people have for a structure can be respected while allowing for controlled removal of dangerous debris from a natural area.”

Shelton is now providing information to other groups interested in aquatic connectivity issues, especially as this type of removal was the first of its kind in the Savannah district of the U.S. Army Corps of Engineers.

Warnell removed the White Dam under a nationwide permit which not only saved many thousands of dollars, but also cut down on the amount of time needed to push it through.

There were so many obstacles in the way, Shelton said, he did not think the removal would ever happen. “In the end, it was all about relationships with our partners,” he said. “That’s what it boils down to.”

And it couldn’t have happened without the support of Dean Dale Greene, Warnell Facilities Director Mike Hunter and UGA Associate Vice President for Environmental Safety John McCollum, Shelton said. All three not only fully supported the project, but also took full ownership of the modification work and provided indispensable expertise from start to finish. “Without them, I’m just a professor with a crazy idea.”

The White Dam isn’t done, yet, though. Now that the river has been reopened, the EPA will assist Warnell in monitoring the water quality upstream and downstream, and students and faculty from Warnell, engineering, ecology and the law school are using the White Dam in classes.

Weeks later, Shelton is still thrilled with the project. “Warnell faculty, staff and students came together as a team. This was an enormous undertaking, and we should be proud of our success.”


### Hector Restrepo

#### Degree you’re earning
- PhD in Forest Resources
- M5 in Statistics

#### Hometown
- Andes, Medellin-Antioquia, Colombia

#### Previous education
- M5 ’10 National University of Colombia, Medellin, Colombia
- Master in Corporate Finance ’05, Engineering School of Antioquia, Medellin, Colombia
- Bachelor’s Degree in Forest Engineering ’02, National University of Colombia, Medellin, Colombia

#### Expected graduation
- May 2019

#### How did you find Warnell?
- Rafael de la Torre, a Colombian friend who earned his PhD from Warnell, suggested I apply for a PhD. Then, I was fortunate to meet Bob Izlar on a trip he made to Colombia to promote the Timberland Investment Conference in 2014. I formally applied in Spring 2015.

#### Post-graduation plans:
- I have already accepted a post-doc position in forest finance at the Warnell School under the direction of Dr. Richard Mei.

#### How’d you choose your field?
- Since I was very young, I have enjoyed nature, numbers and computers. It turned out for me that the best combination of those is forestry. Then, I found very interesting timber management when I took that class in my undergrad in Colombia. It requires forest biometrics and finance. For that reason, I pursued master degrees in finance and forest resources after I earned the bachelor’s degree in forest engineering.

#### What research/area of interest are you passionate about?
- Forest growth and yield modeling using empirical and process-based models, timberland investment financial analysis and timber production financial risk, and the extent of a variety of statistical research applied to forestry such as theoretical statistics, stochastic processes, time series, meta-analysis, Bayesian statistics, statistical-computational analysis, Spatial Monte Carlo techniques, and simulation.

#### What is your best UGA memory?
- All this time in Warnell and UGA has been a great experience. However, if I have to choose just one memory, I would choose the moment I received the official letter of acceptance to UGA when I was in Colombia. Since then, I have felt part of the Warnell family.

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### Kendra Jenkins

#### Degree you’re earning
- BSFR in Forestry and Natural Resources

#### Hometown
- Kennesaw, Georgia

#### Graduated
- December 2018

#### How did you find Warnell?
- I had a biology class with a Warnell student, she told me that she studied wildlife and I had to come validate her story by applying to the program!

#### Post-graduation plans:
- I want to enter the workforce and hoping to work for an animal clinic or animal parasitology center. Then I plan to apply to veterinary school next cycle.

#### How’d you choose your field?
- Parents told me that when I was little I couldn’t stay away from the petting zoos. Over time I fell in love with nature itself and all the organisms in it. I hope to play a good part in conservation the great wonders of the world (animals, forests, ecosystems).

#### What research/area of interest are you passionate about?
- I am very passionate about parasitology/toxicology and the wildlife diseases aspect of our field.

#### What is your best UGA memory?
- Ambassador Retreats!!
Earl Barrs (BSFR ’74) was named the 2018 Distinguished Alumnus, and Erin Lincoln (BSFR ’05) took 2018 Distinguished Young Alumnus honors. These awards are given annually to alumni who have made outstanding contributions to the natural resources fields and have remained strong supporters of the Warnell School. Award winners are nominated by colleagues and other alumni.

Barrs and Lincoln exemplify these alumni traits, said Dean Dale Greene. “These two alumni members remain outstanding leaders and will leave legacies that impact their disciplines in a positive manner for years to come,” he said.

Barrs, who is the president of Due South Investments, has more than 44 years of experience in wildlife and land conservation projects, timber management and land acquisitions. He’s also been a leader in both the private and public forest sector, serving on a number of boards and organizations throughout the years. As president of Due South, Barrs leads the company’s efforts to acquire and manage forestlands and other natural resources across the southeast and West Virginia.

In addition to being a past president of the Georgia Forestry Association, Barrs has served as a trustee for the University of Georgia Arch Foundation, and also served on organizations such as the Georgia Department of Natural Resources Board. In 2008, he and wife Wanda were named the Georgia Tree Farmers of the Year, followed the next year by the AFF National Tree Farmers of the Year award. The couple has also won the 2010 Governor’s Agriculture Environmental Stewardship award from Georgia, and in 2013, Barrs was inducted into the Georgia Division of the Southeastern Society of American Foresters Hall of Fame.

“It goes without saying to be selected as the 2018 Distinguished Alumnus is a most esteemed honor,” Barrs said. “My experience as a Warnell graduate, along with the exceptional network of high quality professionals has been foundational in inspiring and sustaining my commitment to ensure forestry is recognized by business and environmental communities for its extraordinary contributions to the future of our state and nation.”

Lincoln followed up her Warnell bachelor’s degree with a master of science from Virginia Tech in 2008. After some prestigious internships, Lincoln’s career began with Nutter & Associates, but since 2010 she has been with Tetra Tech in Atlanta, starting as a hydrologist and then moving up to project manager. With Tetra Tech she oversees the management of more than $2 million in water quality and water quantity projects for government and private industries, ensuring compliance with Clean Water Act regulations and local rules.

She also has no shortage of honors, being named to UGA’s 40 Under 40, which recognizes outstanding alumni under the age of 40, as well as accolades for her work with Tetra Tech. Lincoln is also an enthusiastic Warnell supporter, serving on the Dean’s Advisory Board, the Strategic Planning Committee, the Young Alumni Committee, and even volunteering as a Compass Program mentor.

“I’m incredibly honored to be named the Warnell Distinguished Young Alumnus,” Lincoln said. “I have enjoyed serving Warnell and the University, and I look forward helping out however I can in the future.” ☉
Alums celebrate Homecoming, winning Dawg season

Warnell alumni returned to Athens in October to relish in another sweet Georgia Bulldog season, celebrating with former classmates and professors at our annual Homecoming festivities.

Warnell kicked Homecoming off with the annual Reid Parker Memorial Golf Tournament, named in memory of former professor J. Reid Parker. Hosted by the Young Alumni Committee, the tournament raised more than $58,000 to create a Georgia Commitment Scholarship. This tremendous amount was made possible by the children of Reid and Cynthia Parker, who matched funds raised by the Young Alumni Committee. This year the tournament returned to the UGA Golf Course with more than 100 golfers.

Alumni then celebrated with our annual Friday night Homecoming dinner, enjoying the show put on by faculty band Chainsaw Pedicure and then congratulating Earl Barrs and Erin Lincoln on being named Warnell’s Distinguished Alumnus and Distinguished Young Alumnus winners. Warnell also honored three staff members with the Alumni Staff Award: Graduate Program Administrator Kate deDufour, Research Professional David Higginbotham and Public Relations Coordinator Sandi Martin.

They also thanked outgoing Alumni Steering Committee Chair Brian Murphy for his service, and welcomed incoming chair Fred Warnell.

The 2019 Homecoming festivities will be October 18-19, 2019. More details will be available at warnell.uga.edu/alumni.
Whitney Della Torre

Tell us about your career path— from graduation to Balch & Bingham.

My senior year of undergrad, I participated in the UGA Washington Semester Program—a program I would recommend all students do regardless of whether you want to work in policy or be a lawyer. It was a great experience and turned into a full-time position as a staffer in Congressman Jack Kingston’s office. I realized then I wanted to practice environmental law and pursue a joint science/law degree. I completed a graduate degree with Dr. Robert Bringolf in aquatic toxicology and received my law degree from the University of Florida with a concentration in environmental and land use law. Balch & Bingham has a robust environmental practice, so it was a no brainer when I was offered the opportunity to clerk at the firm during my two summers in law school and practice in their environmental and natural resources section.

What’s a typical day like for you?

A typical day for me is collaborating with law partners and clients to answer legal questions they have or work on projects they are undertaking. For example, I might help draft comments to a state or federal agency regarding a permit the client has applied for and been issued. While my practice predominately focuses on water, land, and endangered species matters, other lawyers in our practice area work on air, chemical, and other environmental issues.

What advice would you give current students who’ll soon be looking for jobs?

Shop around! Talk to people in the industry you are interested in, inquire about internships and fellowships, and try things you might not otherwise expect to like. Part of figuring out what you like is figuring out what you don’t like.

How did you get drawn to your career?

I have always loved the outdoors—not just the activity aspects of it, but the science and policy, too. It was while I was working in D.C. and as a policy fellow at B.A.S.S. that I realized I could have a career in natural resources. I met a woman named Noreen Clough and was inspired by her career. She was a long-time U.S. Fish and Wildlife Service Administrator and former National Conservation Director at B.A.S.S., and she mentored me though my decision to go to law school. However, despite being drawn to the idea of practicing environmental law, the academic and financial commitment was tough, so I was really fortunate to have wonderful mentors at Warnell, including Dr. Robert Bringolf, Bob Ratajczak, and others.

How did your experience at Warnell prepare you for what you’re doing now?

Environmental law is a science-based legal practice. My graduate degree helped prepare me for such a practice. For example, I feel more equipped to discuss water pollution control technology with an engineer or pollutant data with a scientist than I would have if I did not receive my graduate degree from Warnell.

What’s a particular project you’re working on right now that really excites you?

I am currently working on an NPDES permitting issue that I really enjoy. An NPDES permit is issued under the Clean Water Act and regulates point sources that discharge pollutants in waters of the United States. Water quality issues like this marry my science and legal knowledge. This particular issue is complex and requires a lot of research and problem solving, which is something I enjoy.
Throughout our history, we have relied on the generosity of alumni, friends, corporations, and foundations to aid us in our pursuit of excellence and make a difference in the natural resource world. Private support enables us to sustain our school’s stellar reputation among the top forestry and natural resource schools in the country.

While larger gifts are instrumental in transforming our programs and achieving our goals, gifts of all sizes are essential to the advancement of our mission. As one of the smallest schools on campus, we are at the top when it comes to the percentage of alumni who give directly back. Every gift makes a difference in the growth of our cutting edge research, in supporting our faculty, and providing an outstanding learning environment for the students.

Another way our loyal supporters give is of their time. The Warnell School has two alumni boards. The Alumni Steering Committee is involved with engagement of fellow alumni by encouraging interest and support of school activities, therefore directly assisting the school in accomplishing its mission. The Young Alumni Committee is an active group focused on alumni engagement and fundraising for pressing needs in the school and university. Over the years this group has established endowments, named a classroom, helped address funding needs within the school, and annually hosts the J. Reid Parker Memorial Golf Tournament. Most recently through their efforts of raising sponsorships, along with a generous match from the children of Reid and Cynthia Parker, they will fund a University of Georgia Commitment Scholarship.

The Dean’s Advisory Board was established in December 2017. This board consists of both alumni and non-alumni who use their expertise in forestry and natural resources to help shape the direction of the school and expand our relationships for more opportunities, partnerships, and private support.

The reasons for making gifts to the Warnell School or serving in a volunteer capacity are personal and varied. For some a gift to Warnell is an expression of appreciation for the education received and the career obtained. For others it represents a desire to give back and help the mission of supporting the next generation of forest and natural resource leaders.

However you wish to give back we welcome the opportunity to learn more about your personal giving objectives and to partner with you to bring them to fruition. Please take advantage of the opportunities to be engaged with the school whether through serving or giving.

If you would like to learn more about how you can give back to Warnell, I welcome the opportunity to discuss options with you. I would love to hear from you. We are grateful for all of our generous alumni, donors, and friends. Thank you for all you do to support Warnell.

Weyerhaeuser Golf Tournament hits birdie for Warnell

The annual Weyerhaeuser Golf Tournament continues to be an incredible fundraiser for the Warnell School, and 2018’s contest was no exception. The Weyerhaeuser Company hosted the event this past September, helping provide funding for the Harley Langdale Jr. Center for Forest Business housed in Warnell.

Held at the Georgia Club just outside of Athens on September 14, the tournament drew 118 players and generous sponsorships from almost 30 different companies and organizations. The event also celebrated its 10th Anniversary and raised more than $94,000 for the Center for Forest Business. Since the tournament started 10 years ago, it has raised more than $1 million for the program.

Special thanks to our tournament Co-hosts:

The Log

AGSouth Farm Credit
American Forest Management
CatchMark
F&W Forestry Services
Fidelity National Title
Forest 2 Market
Forest Investment Associates
G&G
Georgia Pacific
Graphic Packaging Int
Green Diamond
International Paper
Interfor
Louisiana Pacific
Pete Madden
National Land Realty
Rayonier
Resource Management Services
Southern Land Exchange
Stuckey Timberland, Inc
Superior Pine Products Co
The Price Company
Timberland Investment Resources
Walton EMC
West Fraser

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Weyerhaeuser
WestRock
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Susan K. Allen (MS ’88) retired after 30 years with the University of Georgia, eight years for Warnell and 22 years at the UGA Center for Continuing Education and Hotel. Allen’s most recent position was associate director of the hotel.

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Lynn Lewis (BSFR ’95, MS ’99) has accepted a position with the US Forest Service as the Landowner Assistance Program Manager, primarily overseeing the Forest Stewardship Program, over Region 8 (Atlanta Office) which spans from Virginia to Oklahoma to Texas and Florida. Lewis will be working in tandem with state forestry agencies to help private landowners actively manage their properties to improve water quantity and quality, forest health, wildlife habitat and provide economic benefits for our communities. Lewis previously spent 13 years with the National Wild Turkey Federation.

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2010s (continued)

Herbert “Skeet” Ponder (MFR ’15) is a portfolio analyst for Hancock Natural Resource Group supporting the farmland client account management team, with client relationship management, portfolio analytics, investment analysis, budgeting, and financial reporting.

Joseph Vaughn (BSFR ’16) married Samantha Bednarz (AB ’15) on September 3, 2018, in the hills of Franklin, North Carolina, called the “Gem Capital of the World.” Vaughn said the couple traveled to Jamaica for a week-long honeymoon, and he also recently obtained a full-time job as a procurement forester at Interfor. This position focuses on working directly with private landowners and consultants to secure stumpage tract support- ing all of Interfor’s Mills located in Georgia.

Jacob Moore (BSFR ’16) and wife, Aly, welcomed their firstborn, Samuel Stanton, on June 18, 2018. Jacob is a consulting forester with Forestate LLC and owner-manager of Forestate Growers LLC, a container- ized Pine seedling nursery located in Douglas, Georgia.

Krisha Faw (MNR ’17) is the first ever early career professional to receive the Georgia chapter of The Wildlife Society Early Career Award in honor of former Warnell Professor Bob Warren. In announcing the award, the organization said that Warren dedicated his career to guiding students into successful wildlife professionals. Faw “embodies the characteristics that Dr. Warren worked so hard to instill in his students: Krisha has demonstrated success while working as a wildlife professional in the private sector for over three years, she is an active member of both national, section, and state chapters and serves on many subcommittees of The Wildlife Society and has demonstrated a commitment to mentoring students and rising professionals.”

Three Warnell alumni have been named to the 2019 Bulldog 100 list. John Martin, M&W Commercial Flooring LLC (BSFR ’98, MS ’01); Andy Barrs, PharmD on Demand (MFR ’02); and Jason Lawson, Baseline Surveying & Engineering, (BSFR ’00, BSAE ’02), have all made the list. Rankings will be announced in January, but the full list of prominent Bulldog-owned businesses can be found here: https://alumni.uga.edu/b100/

Governor Nathan Deal appointed two Warnell alumni to the State Board of Registration for Foresters. Wade Hall (BSFR ’91) replaces John Mixon, and Grant Harvey (BSFR ’05) replaces Leonard Kinelsey on the Georgia board.
Meet the newest members of Warnell’s Alumni Steering Committee

Warnell’s alumni are represented by two committees who assist in implementing the school’s mission by encouraging alumni engagement.

The Alumni Steering Committee works to bring alumni together in a spirit of fellowship by encouraging their active interest in and support of school activities. They assist with activities such as regional events and homecoming and assist with nominations for alumni awards. Nominations for new members are due April 1, 2019.

Visit warnell.uga.edu/alumni to nominate.

**Nominations for new members are due April 1, 2019.**

**Name:** Amanda Lang (BSFR ’05, MS ’08)
**Job:** COO & Vice President of Client Services, Forisk Consulting LLC
**Personal:** I am married to Max Lang (also a Warnell grad) and we have two children, Maddy Claire (almost 4) and Clay (1.5 years). I enjoy playing with my children, hiking, exploring the outdoors, and arranging flowers.

**Name:** Cade Warner (MFR ’14)
**Job:** Continuous Improvement Manager, Westervelt
**Personal:** I enjoy spending time with my family, traveling, reading, and enjoying outdoor activities. I recently married April Browning last year at my company’s lodge in New Zealand. We have a beautiful daughter, Vivian.

**Name:** Jackie Sherry (BSFR ’11, MNR ’14)
**Job:** Fiber Supply Manager, International Paper
**Personal:** A 38-year veteran in the forest products industry, he has held numerous operations, technical, and leadership positions during his career and has worked and lived across the south. Gary and his wife of 39 years, Alisa, live in Evans, Georgia. Gary enjoys travel, attending UGA football games, and spending time fishing for anything that swims. Gary and Alisa have two adult children, Jason and Jamie, who both reside in Georgia.

**Name:** Gary Capes (BSFR ’80)
**Job:** Fiber Supply Manager, International Paper
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**Name:** Jackie Sherry (BSFR ’11, MNR ’14)
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**Personal:** A 38-year veteran in the forest products industry, he has held numerous operations, technical, and leadership positions during his career and has worked and lived across the south. Gary and his wife of 39 years, Alisa, live in Evans, Georgia. Gary enjoys travel, attending UGA football games, and spending time fishing for anything that swims. Gary and Alisa have two adult children, Jason and Jamie, who both reside in Georgia.

**Name:** Gary Capes (BSFR ’80)
**Job:** Fiber Supply Manager, International Paper
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**Meet the newest members of Warnell’s Alumni Steering Committee**

Warnell’s alumni are represented by two committees who assist in implementing the school’s mission by encouraging alumni engagement.

The Alumni Steering Committee works to bring alumni together in a spirit of fellowship by encouraging their active interest in and support of school activities. They assist with activities such as regional events and homecoming and assist with nominations for alumni awards. Nominations for new members are due April 1, 2019.

Visit warnell.uga.edu/alumni to nominate.

**Nominations for new members are due April 1, 2019.**

**Name:** Amanda Lang (BSFR ’05, MS ’08)
**Job:** COO & Vice President of Client Services, Forisk Consulting LLC
**Personal:** I am married to Max Lang (also a Warnell grad) and we have two children, Maddy Claire (almost 4) and Clay (1.5 years). I enjoy playing with my children, hiking, exploring the outdoors, and arranging flowers.

**Name:** Cade Warner (MFR ’14)
**Job:** Continuous Improvement Manager, Westervelt
**Personal:** I enjoy spending time with my family, traveling, reading, and enjoying outdoor activities. I recently married April Browning last year at my company’s lodge in New Zealand. We have a beautiful daughter, Vivian.

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2018 AT A GLANCE

- Undergraduate Professional Fall 2018 Enrollment: 183
- Undergraduate Degrees Conferred: 69
- Graduate Fall 2017 Enrollment: 192
- Graduate Degrees Conferred: 65
- Presentations at Professional Meetings: 395
- Number of Refereed Books, Chapters or Journal Publications: 206
- Outreach Publications: 45
- Outreach Presentations: 308

* Grants, gifts, and funding on a fiscal year (July 1, 2017 – June 30, 2018) basis; all other measures on a calendar year (2018) basis.
Fiscal Year 2018 was another successful year for Warnell with total annual expenditures of $24.7 million. State allocations were up by about half a million dollars. Grant expenditures were up from $8.8 million in FY 2017 to $9.1 million in FY 2018. Total research expenditures in FY 2018 was $16.2 million. Graduate assistantship support also increased from $2.6 million in FY 2017 to $2.8 million in FY 2018.

2018 FISCAL YEAR SUMMARY

REVENUE (July 1, 2017 to June 30, 2018)

- State Appropriations (GA Legislature) $9,919,334
- Tuition & Fees 1,938,021
- F&A Return 1,000,654
- Departmental Revenue & Conferences 504,909
- Grants & Contracts 8,317,554
- Cooperative Dollars 803,355
- Forest Lands 1,328,902
- Rental Income/Leases 126,711
- Foundation Income 770,812

Total Revenue $24,710,252

EXPENDITURES

- Salaries & Benefits $14,733,293
- Assistantships 2,816,335
- Scholarships 205,040
- Operating Expenses, Travel & Equipment 6,955,583

Total Expenditures $24,710,252
ENROLLMENT BY DEGREE FALL 2018

- Pre-professional: 122
- MS: 91
- MNR: 9
- MFR: 20
- PhD: 72
- Professional: 183

CLASS OF 2018 CAREER OUTCOMES

- Seeking/Other: 12%
- Graduate School: 17%
- Full-time: 56%
- Intern/Part-time: 15%

"Based on exit interviews of spring and fall 2018 graduating students"
In FY18, 15 percent of Warnell alumni gave a gift to support the University. Alumni giving specifically to Warnell is steady at 11 percent, the second highest participation on campus.

**Capital Campaign update as of June 30, 2018**

- **UGA Goal**: $1.2 billion (92%)
- **Warnell Goal**: $12 million (106%)

**NEW WARNELL ROOM NAMINGS**

- **John Porter Stevens Dean’s Suite**
- **Georgia Forestry Association Interview Room**

**TOTAL GIVING**

$1,315,402

Including cash gifts, pledges, planned gifts and in-kind gifts

**FISCAL YEAR 2018 CONTRIBUTORS BY ENTITY TYPE**

- UGA Alumni: 70%
- Corporations: 12%
- Organizations: 5%
- Friends: 13%
In reflecting of my time in the hallowed halls of Warnell, I am thankful for the experience and preparation gained for entry into the world of natural resources. Through the past leadership and guidance of Dr. Barry Shiver, Dr. Bruce Borders, Dr. Robert T eskey, and the past and present leadership of Dr. Dale Greene, I owe a great deal of my career to the Warnell School. Coupled with the wonderful staff and faculty, the Warnell School of Forestry and Natural Resources will continue to produce the future leadership for the area of natural resources and beyond. And, in addition, the Warnell Alumni are some of the greatest people, with invaluable skill sets, you will ever meet! What a great investment in the future of natural resources to give to Warnell!

Jim Anderson
(BSFR '91)

Endowments: new in FY 18
The Sustainable Forestry Initiative, (SFI)
Rob Olszewski Memorial Endowment
John Porter Stevens
Distinguished Professorship in Water Resources
Walter P. and Dorothy C. Alfriend
Memorial Scholarship
Terrell Professorship in Wildlife Management

Regional Events of 2018
Atlanta/Buckhead
Social Circle
Macon
Brunswick

ALUMNI BY THE NUMBERS
5,614 living alumni
756 alumni gifts to Warnell
1,322 young alumni (graduates of the last decade)

Heritage Society
The Heritage Society was established in 1995 to recognize the generosity of alumni and friends of the university that have documented a deferred gift to benefit the University of Georgia, University of Georgia Foundation, or one of its affiliated organizations.

Student Donor
The first Senior Signature plaque was created in 1991 to recognize graduating students who make a difference by donating a minimum $50 gift to the university. This gift includes a designation option so that graduates can give to any school, college, department, program, or scholarship that has had a personal impact on them during their time at UGA. Listed are the Warnell graduates who invested in Warnell through Senior Signature or a direct gift.

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Jim Anderson
(BSFR '91)
We are grateful for our corporate partners who invest in our students and programs. Resource Management Service, LLC (RMS), one of the world’s leading managers of forest investments for institutional investors, recently funded a new scholarship program for the benefit of students who are pursuing undergraduate degrees in forestry. Warnell is one of eight land-grant universities in the U.S. South who received funding for the scholarship program.

“Forestry is an important profession – one that can have a very positive impact on the world,” said Craig Blair, President and CEO of RMS. “Foresters help society meet its needs through the sustainable management of one of our most important renewable resources – our forests. This scholarship program is an effort to promote forestry and to provide a pathway to the profession for deserving students.”

Craig Blair
President and CEO of RMS

“I am honored to be the recipient of the Resource Management Service Scholarship. This scholarship will make it possible for me to continue to follow my dreams and work towards my career goals. I would like to thank RMS for investing in students such as myself and giving me the opportunity to grow and diversify the forestry industry.”

Scarlett Barber
RMS Forestry Scholarship Recipient

$5,000 - $9,999

Mr. James P. Alfriend and Ms. Sarah E. Alfriend
Mr. James L. Alfriend and Ms. Ellen Alfriend
American Eagle Foundation
Mr. Earl D. Barrs and Mrs. Wanda Taylor Barrs
Mr. Barry L. Beers and Mrs. Naomi N. Beers
Dr. Gino J. D’Angelo and Ms. Jamie L. D’Angelo
Georgia Council Trout Unlimited
J & M Tank Lines, Inc.
Mr. J. Wesley Langdale III and Mrs. Kimberly Langdale
Jones Lang LaSalle

$25,000 & Up

AgReserves Inc.
Delta Waterfowl Foundation
Ms. Laura Devendorf
Miss Meredith R. Devendorf
Mr. Steve C. Keadle and Mrs. Sandra Keadle
NCASI
Mr. John R. Parker Jr. and Mrs. Kay Timmons Parker
Sustainable Forestry Initiative, Inc.
US Endowment for Forestry & Communities, Inc.

$10,000 - $24,999

American Chestnut Foundation
Brown & Brown Forestry Consulting
Mr. Lewis P. Brown Jr.
Ms. Jenny Brown Reville
Mr. Robert F. Burgin III
Burgin Timberland Management, LLC
Neil A. Butler
Drax Biomass International Inc.
Georgia Forestry Association, Inc.
Georgia Forestry Foundation
Dean Dale Greene and Dr. Jeanna Wilson
Mrs. Carol Schimler Haeussler
Mr. Leonard D. Hogan Sr.
International Plant Nutrition Institute
Mr. Marion C. Lincoln and Ms. Erin A. Lincoln
Dr. and Mrs. Arnett C. Mace Jr.
Pollard Lumber Co., Inc.
Resource Management Service, LLC
Mr. Miles A. Stone and Mrs. Teresa W. Stone
Superior Pine Products Company
The Molpus Company
$5,000 - $9,999 (cont.)

Mrs. Dawn Newsome and Mr. Mike Newsome
Mr. Hank Page Jr. and Mrs. Susan Wood Page
Pineland Plantation
Rayonier
William B. and Elisabeth E. Southern
Mr. Harold A. Sumerford Jr. Sumerford Farms
The Frank W. Norris Foundation
The Greater Atlanta Safari Club
The Langdale Company
ToledoManufacturing
Twin Rivers Land and Timber
U.S. Land and Farms
Dr. Alfred Viola and Mrs. Joy Viola
WestRock Company
Weyerhaeuser Company

$1,000 - $4,999

American Forest Management, Inc.
B & S Air, Inc.
Mr. Peter S. Bischoff
Dr. Bronson Bullock and Ms. Celia Eicheldinger
CatchMark Timber Trust
Mr. Smith Dolliver Jr. and Mrs. Sharon Dolliver
Enviva, LP
F & W Forestry Services, Inc.
Mr. Richard O. Fitzgerald
Dr. William M. Ford and Ms. Jane L. Rodrigue
Forest Investment Associates L.P.
Forest Landowners Association, Inc.
Fulghum Fibres, Inc.
Georgia Division Society of American Foresters

Georgia Power Foundation, Inc.
Georgia-Pacific LLC
Mr. Robert Glasscock and Mrs. Brenda Glasscock
Graphic Packaging International, Inc.
Mr. Timothy J. Gunter and Mrs. Kathleen A. Gunter
Hancock Forest Management Inc.
Interfor
International Association for Bear Research & Management
Interstate Resources, Inc.
Mr. Tom E. Johnson III and Mrs. Diane M. Johnson
Mr. Rex N. Johnson and Mrs. Patricia H. Johnson

STUDENT DONORS

The first SENIOR SIGNATURE plaque was created in 1991 to recognize graduating students who make a difference by donating a minimum $50 gift to the university. This gift includes a designation option so that graduates can give to any school, college, department, program, or scholarship that has had a personal impact on them during their time at UGA. Below are the Warnell graduates who invested in Warnell through Senior Signature or a direct gift.

Fall 2017

Collin Asher Aaronson
Joseph Carter Camp
Andrew Preston Carey
Shelby Marie Chumley

Jessica Claire Fuller
Loran Blake Hendley
Jonathon William Pritchard
Justin Allen Rectenwald

Brenna Kaye Schroeder
Garrett Allen Spivey
Charles Ryan Templeton
Sidney Monet Woodruff

Spring/Summer 2018

Sheridan Jean Alford
Ronald Bradley Carr II
Noah Chambers Floyd
Charles Thomas Hanner
Holly Kathryn Jamieson

Amanda Ling
Caleb Edward Minter
Mel Benjamin Mosley
Sergi Picas
Mackenzie Rose Pryor

Khira Janae’ Reed
Charles Peyton Register
Thomas Andrew Thompson
Rachel Marie Verdetto
Sarah Taylor Welch

"From the very beginning, I have always wanted to be a Georgia Bulldog. I came from a third-generation logging company, and it has always been my goal to continue my family’s legacy with a forestry degree. With that mindset, my heart led me to Warnell and attending this university has truly been one of the best decisions of my life. The quality of education, the positive influence of the professors, and the wonderful friendships and connections I have made along the way helped me branch out into the forestry world. It is now my honor to show my support and give back to the school that built me as well as helping the "Timber Dawgs" tradition continue."

Harry Sanders
(BSFR ’14)
Earnings $1200/acre by investing $75/acre

Plant MCP® or VARIETAL Seedlings and Grow a Profitable Forest for Any Timber Market – Faster!

Don’t Miss Out!
Lumber prices projected to increase
14 new sawmills are opening throughout the South
Plant NOW to be ready when they are!

Heritage Society
The Heritage Society honors alumni and friends who make documented bequests in their wills or other planned gifts to UGA. Heritage Society members’ gifts have a substantial impact for years to come and help secure our university’s future.

Earl D. Barrs and Wanda Taylor Barrs
John T. Brumby Jr.*
Carolyn Warnell Bryan*
Jen and Lyra Cobb
LCDR Demetrius and Isumi Cox
Smith and Sharon Nix Dooliver
Emile Jacob Fried*
James L. Gillis Jr.*
Thomas B. Hankinson*
Mr. Thomas C. Harden and Mrs. Bridget B. Harden
Jimmie T. Hardy*
Nellie S. Herrnriede*
Frances D. Hopkins*
Mr. and Mrs. Robert Lee Izlar
James G. Boswell Foundation Trust
Rex N. Johnson
Larry and Beverly Lackey
Harley Langdale Jr.*
Jon and Jo Ann Liles
Dr. J. Michael and Mrs. June R. Meyers
Professor Archie E. Patterson*
Dr. and Mrs. Richard L. Porterfield
William T. Ray*
Andrew and Emily Saunders
Joe M. Stanford and Anna Grace Stanford*
David A. and Janet K. Terrell
Geoffrey David Terrell
Alfred and Joy Viola
Anna Dorothy Warnell*
Joseph Eugene Wyatt*
Anonymous

* Deceased

NOW is the Time

Get Support from the Experts
See the proof/advantages of our 20+ years of verified field testing and data
Get a customized plan with appropriate choices to help you maximize YOUR unique situation

ArborGen
The Reforestation Advantage
855.894.1702
ProfitableForest.com
LOOKING FOR GREAT EMPLOYEES?

Search no further!

Warnell’s online job postings can put you in touch with the talent and skill you need.

email your job posting to Wjobs@uga.edu