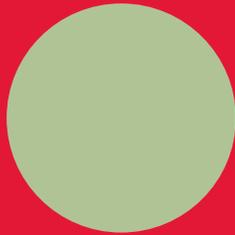
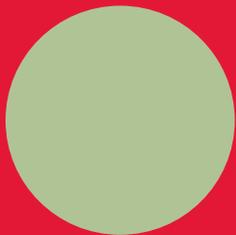


THE

Student Journal for the
College of Natural Resources

PIINETUM

2012-2013



78th
edition



NC STATE UNIVERSITY
College of Natural Resources

QUICK FACTS

Founded in 1929
1,819 Enrolled Students
3 Departments
9 BS Degrees
20 Graduates Degrees
200 Faculty & Staff Employees
8,000+ Living Alumni

ABOUT GRADUATES

412 Graduates Enrolled
231 Masters / 91 PhDs
42% Women
12% Minorities
16% International
50 Invited to the Phi Kappa Phi Honor Society
1.16 Graduates [Summer, Fall & Spring]

ABOUT UNDERGRADUATES

1,407 Undergraduates Enrolled
26% Women
14% Minorities
14% Out-of-State
1% International
732 Applicants
154 New Freshman
93 Off-campus Transfers
288 made Dean's List for Fall 2012
343 Graduates [Summer, Fall & Spring]

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Established in 1929, the College of Natural Resources is one of the oldest, and currently one of the largest schools, of its kind in the nation. The College includes three academic departments: Forestry and Environmental Resources; Parks, Recreation and Tourism Management; and Forest Biomaterials. All offer undergraduate and graduate educational opportunities and conduct teaching, research, and extension activities directed toward understanding and conserving a healthy productive environment.

VISION

We desire to improve the sustainability of the world's natural resources and the economic and social condition of its people through education, innovation, and the discovery and dissemination of new knowledge.

MISSION

Our mission is to serve as a leader in our disciplines in North Carolina, the nation, and the world. We seek to strengthen natural resource management, enhance environmental quality and conservation values, increase the sustainable yield of forestland goods and services, increase the value and competitiveness of the forest products and natural resource-based industries, expand recreation and tourism opportunities, and enhance the health and well-being of our citizens through superior professional education, innovative scientific research, and dissemination of credible and timely information.

VALUES

- * Academic excellence in all of its forms – the scholarships of discovery, teaching, information transfer and scientific integration
- * Both cutting-edge research in fundamental science and translational research to address practical problems in North Carolina, the United States and the world
- * Diversity of disciplines, people, places and ideas
- * Our students, staff and faculty and our commitment to nurturing all
- * We admire academic and scientific rigor and dedication
- * We seek innovative and creative solutions to today's problems
- * We strive for collegiality and appreciate friendly service

PINETUM STAFF

Amanda Dinkel Editor · **Miles Clark** Designer
Dr. Adrianna Kirkman Advisor · **CNR Council** Contributor

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21	TAPPI
22	Women in PGM (WPGM)



Advice to Graduates:

As the class of 2013 leaves the campus to embark on your life journey, I hope you are excited by the opportunities in front of you. The world desperately needs your **knowledge, skills and commitment**. You will be the future stewards of our nation's forests and wood products, wildlife, water, parks and sports arenas. **Be bold**, follow your passions and never forget that you are part of the **Wolfpack family for life!** Until we will meet again. . . .

MESSAGE FROM THE DEAN

Dean Mary Watzin

What an honor and pleasure it is to be writing this message as Dean of the College of Natural Resources!

I came to NC State University because I was inspired by the vision and innovation of this excellent university, because I believe strongly in the Land Grant missions of affordability and practical problem-solving that NC State exhibits so well and because I saw a strong College of Natural Resources with enormous potential. **Everything I have learned since I arrived has reinforced this impression.** More on that in a moment, but first a little more about my background.

About Myself

I describe myself as an aquatic ecologist.

My Ph.D is in Marine Sciences, from UNC-Chapel Hill, but over my career, I've worked in marine and freshwater systems, addressing the connections between land and water. While I describe myself as an aquatic community ecologist, my passion is conducting research that both answers fundamental questions about how the world works, and contributes to practical problem-solving in lake, estuarine and watershed management. Solving these problems requires multidisciplinary partnerships across the natural science and engineering fields and with social scientists with expertise in policy analysis, community networks, ethics, planning, socioeconomics and other areas. These collaborations have been some of the most rewarding of my career.

I have also worked continuously to bring science into the policy arena, especially around water resource issues. The only way to achieve better natural resource policy is to bring our best understanding of problems and solutions, in all of their dimensions, into the public sector. Through my work with students and communities, I hope my legacy is a healthier and more sustainable world.

My Vision for CNR

I believe the future of CNR is incredibly bright.

My vision is for CNR to be one of the best Colleges of Natural Resources in the world, distinguished by a holistic focus on sustainability, environmental quality and the health and well-being of people.

Our programs are uniquely diverse, spanning from sport management to paper science and chemical engineering. But in this diversity, there is also strength. We are an engaged and supportive community of faculty, staff and students. Across our three strong departments and many academic programs, we are well situated to take on the grand challenges of society.

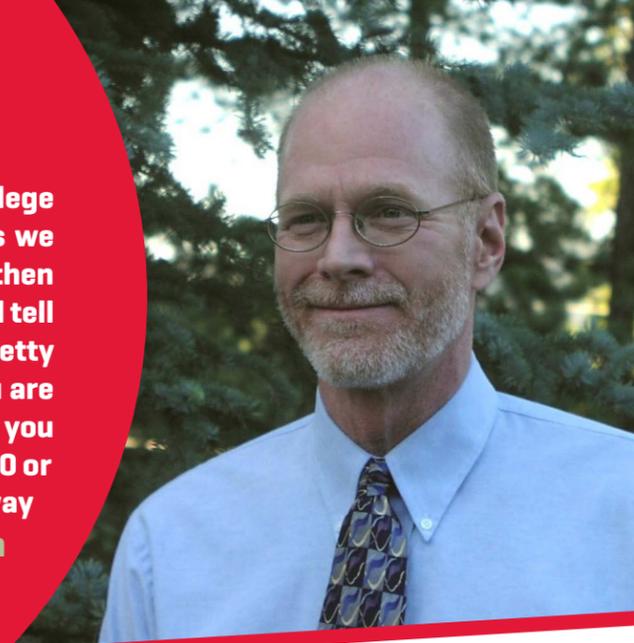
We all want to change the world – to make it a better place in the future.

The College is currently in the midst of planning to create this future. Some of the initiatives that are emerging from our work include:

- * A renewed emphasis on experiential education, including increased opportunities for service learning, internships, co-op placements, research experiences for undergraduates and study abroad
- * Greater assistance with career preparation and entry into the job market for all of our graduates at all levels
- * New programs that identify and foster cross-college and cross-disciplinary research that helps improve people's livelihoods and the planet
- * Partnerships with the private sector, making our research more relevant and providing outreach that serves the needs of North Carolina and the world

Advice to Graduates:

Have fun. I think one of the fun things about being in the College of Natural Resources, with due respect to the University, is we probably invest more into our students and undergraduates than a lot of other programs. So we are very proud of them.. I would tell them, you're going to work hard, but you're going to get pretty well paid for it. So, have fun while you are working hard! You are well trained and well prepared to go off and do the things you want to do. But, you're going to be doing that for the next 30 or 45 years, so you need to find some time for fun along the way and you have to have that satisfaction and pride in what you do. In all, have some fun!



How would you describe the Department ?

The Department of Forest Biomaterials (FB) is an applied engineering and science department with two BS degrees. The paper science and engineering (PSE) degree is an accredited engineering degree and most of the students also get a degree in chemical engineering. This gives the students tremendous career opportunities and it is great for the pulp and paper companies. The majority of these students have long productive careers in the pulp and paper industry, but every year a few wander off to graduate school, medical school or non-pulp and paper companies like Mobile, Michelin, Dow, or DuPont.

Wood Products (WP) is a smaller program, but they get tremendous job opportunities as well. There are plenty of jobs for graduates of the WP program, especially with the rebound in housing and materials. Careers can range from sales to big wood products or composites manufacturing operations to small companies focused on producing environmentally friendly, specialty wood products. These engineering and technology rich degrees give the students skills they need to be successful, whether it's working in a large company or a wood manufacturing operation, or creating their own business and becoming an entrepreneur.

In both cases, the faculty provide the students with a challenging, hands-on learning environment while they are here. This is not a theoretical program; we actually show them what really happens in a production and manufacturing work environment.

What are some accomplishments within the Department?

We've had continued success with growing our enrollment numbers in the PSE program and tremendous demand for these students in terms of jobs and internships. Student placement in jobs will also be great again this year at 100%. As we look at the program, it seems to be really healthy right now. We expect enrollment will go up another 10 to 15 percent when the freshmen and sophomores transfer are all recorded in the fall.

In Wood Products the faculty, staff and support team are doing great with trying to expand the opportunities for students. We created a Sustainable Materials and Technology (SMT) minor and we are also looking to expand the focus of the degree program.

FB has also had tremendous progress in the research arena. We have 10-15 post doctorates or research assistants here now with 41 enrolled students. We are making progress in the science and technology of energy and value added biomaterials. So for a lot of our projects, we are developing processes and products that generate income and to the right thing for the environment. We have developed process modeling and life cycle analysis tools that allow us to measure the flow of carbon, water and other materials through a biorefinery process. This allows us to measure the environmental footprint of these new processes and products, and to look for opportunities to improve these manufacturing systems

NC State also received a \$10 million grant from Eastman Chemical Company for developing innovative, breakthrough technology and products. Eastman makes a range of wood based materials, including cellulose films and fibers, decay resistant wood products, high performance wood-plastic compositions. I think a large part of what we do in the department helped attract Eastman to NC State. We also have a continued series of Bioenergy grants with USDA, DOE, the

Biofuels Center of North Carolina and the SunGrant University system, as well as private companies.

Has the department introduced any new minors or classes?

The Sustainable Materials and Technology (SMT) minor has been approved and in the fall we should have a SMT major. This new degree is an expansion of the Wood Products degree that maintains the critical aspects of wood science and technology, but also includes new classes that examine the sustainability and recycling of biomaterials, and includes entrepreneurship. Our interest is to expand from a technology focused manufacturing curriculum to a broader curriculum that looks at aspects of value-added biomaterials and sustainability.

What research projects has the Department been a part of?

One notable project is with Domtar Pulp and Paper and its mill in Plymouth, North Carolina, and they are opening a research laboratory near the airport. This project involves an innovative process for the recovery of lignin that Domtar has developed at the Plymouth mill, and the conversion of the lignin into fibers, surfactants and chemicals.

We are making progress in the science and technology of energy products and biomaterials. A lot of our projects are focused on saving money, the environment, and carbon in a balanced manner, instead of focusing solely on technology. We are trying to demonstrate sustainability and do it quantitatively and are also trying to impose analytical thinking as an engineer or technologist so we can make the process work better. In taking this approach, we can lower the environmental footprint of a process or product, while also making it economically viable to produce.

Where do you envision the Department in the future?

The Department will be continuing to work on thinking more critically and solving problems.

In some ways, the tradeoffs between life cycle and economics is about critical thinking. Our challenges will not be solved by technology alone, we need to overlay sustainability and social criteria. The critical thinking gets a lot more important that it because it's not just dollars and cents issue anymore. As I look at the challenges, we want to grow and continue this

critical thinking and attract a broader array of students into the program.

I think there are big societal and international problems to solve around ways that energy is generated and used. There are huge environmental issues associated with the way we produce and use energy. We do a lot of silly things to secure low cost energy, many of these approaches do not make sense from an environmental point of view. There are all sorts of landscape issues with our energy systems. So the exciting thing for the college is, in all of our programs, we are going to have a landscape impact. Energy and the environment are key for us in the college. The College has a tremendous opportunity to help solve some really complicated problems. One of the fun parts about being here is that as a relatively small college, people work in a collaborative environment and we can solve some real big problems. There is a lot of opportunity and exciting work to be done and I think we are doing a good job of giving our students the tools to do this work.

ABOUT FB

160 Undergraduates Enrolled
41 Graduates Enrolled
22 Faculty
11 Staff

2 Undergraduate Majors

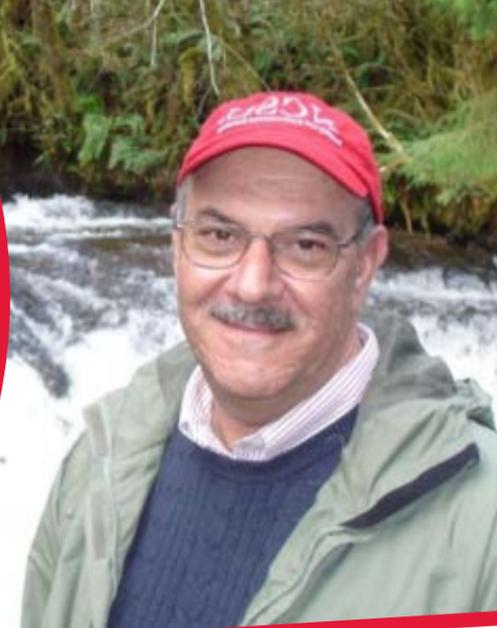
- * Paper Science & Engineering [Paper Science & Chemical Engineering - Dual]
- * Wood Products [Business Management / Manufacturing & Engineering / Interdisciplinary]

2 Graduate Degree Programs

- * Forest Biomaterials [Masters, M.S. & Ph.D]
- * Forest Biomaterials [Distance Masters]

Advice to Graduates:

Be aggressive and look far and wide and wherever possible for opportunities. Be willing to go to different areas and try different things. Do not be tied to your home because your first job is not necessarily your last job. If you get your foot in the door, and get some experience, you might have an opportunity to go back home later. It will be great for you in the long run if you experience different things, places, people and kinds of jobs now.



Forestry & Environmental Resources (FER)

DEPARTMENT HEAD Q&A

with Dr. Barry Goldfarb

What major accomplishments has the Department had this year?

We had two faculty members in the department, Mark Megalos and E.C. Franklin, who became fellows of the Society of American Foresters and two of our faculty received local awards from SAF. Joe Cox was the N.C. Volunteer of the Year and Jim McCarter won the Distinguished Service Award. Also, Fred Cabbage is the program chair of the upcoming SAF Convention in Charleston.

One of our undergraduates, Austin Heine, won the Ben Meadows Academic Achievement Scholarship of which only one of those is awarded in the country. Also, our wildlife group, faculty and students recently hosted the Southeastern Wildlife Conclave where students from 22 schools came to compete.

What are the Department's plans and developments?

We are in the process of hiring four faculty members in different areas – three of whom are coming from the university wide competition in the Chancellors Faculty Excellence Program

Where do you envision the Department going in the future?

We have a lot of initiatives and I would like to see us have a stronger program in forest health and in fire ecology, because it is becoming increasingly important. We already have a lot of little pieces in the broad area of fire. The other issues I see

coming forth is water quality/quantity and how science turns into policy. Overall, in North Carolina and much of the Southeast, one of the biggest threats to forests and natural areas is human development by means of roads, shopping developments, schools, etc. If in North Carolina, and other parts of the country, we want to maintain some areas of green space, we need to figure out ways, as a society, to help people keep their land, forests and natural areas.

How do you see the Department playing a role in helping people keep their land?

One example is a project we are currently working on, the Sentinel Landscapes Project, where we are working with the Department of Defense and a variety of other agency and non-profit partners to develop a market-based conservation initiative. This means we are helping the Department of Defense purchase a defined term conservation lease so landowners who don't want to develop their land, can get paid every year if they promise not to develop it. The Department of Defense is interested in this because it helps them train and hopefully, it's a win-win situation. What our faculty and students are doing is first, figuring out the programs that will appeal to people by doing a survey. This survey has already been implemented in the Eastern part of North Carolina, around Camp Lejeune, and it is run out of our extension program.

What is the current research being done in the Department?

There is \$7 million worth of research going on in our department. There is an ongoing project with several universities on developing biomass harvesting guidelines for sustainable wildlife habitat [how harvesting of the biomass has an impact of wildlife and how you should do it to minimize the impact].

There is a big project in conjunction with several universities and with the Forest Biomaterials department on developing a biofuels industry in the southeast United States. We also have another big project in conjunction with many universities, on how forests and forest landowners can adapt to climate change.

Do you know of any interesting findings so far or research that undergraduates can get involved with?

Three members of our faculty are working on a big project using marginal lands [places where the residual material from sewage treatment plants are deposited] to grow wood for bio energy. We are looking at whether we can use those deposits as fertilizer to grow biomass. Students have been involved in that and will continue to be in the future. For instance, we have graduate students working on this project as well as students in ET 460 class [Practice in Environmental Technology] and this summer semester's ET 470 class [Environmental Forensics].

Do you have any new courses, concentrations, or minors that were added this year?

Within the Fisheries, Wildlife and Conservation Biology Program we have a new concentration, called Conservation Biology, that is already in place now this year.

What purpose does Camp Slocum at Hill Forest serve?

The Hill Forest was given to the University in the early 1940's. Since the 1950's we've held summer camp there as a six-week series of classes for Fisheries, Wildlife and Conservation Biology students and a nine-week series of classes for the Forest Management students. Most of the time they spend is in residence on Hill Forest at Camp Slocum. Over the last year we've made about \$1.5 million in investments to restore, modernize and expand the camp facilities.

What are the updates made to Camp Slocum?

A historic lodge and the cabin were built in the Depression Era during the 1930's. Since its construction, the floors were rotting out and the lower logs of the log cabin were damaged. This past year, we replaced the lower logs and put in new floors. This area was used as a classroom in the past, although it was

not really a suitable classroom environment. Therefore, we built another classroom to make two classrooms available.

Other updates included replacing the kitchen and dining hall. The dining hall was an old hut from WWII and the kitchen was added on to the back. This year, we tore it all down and built a new kitchen and dining hall. It's a great improvement and the cook is very happy!

We also added four cabins to increase the capacity and they now have ceiling fans. I refused to put in air conditioning!

Anything else you want to add?

We've had some great students in the department over the last four years and we are proud of all of them. We've hoped that they learned how to be professionals and citizens, how to treat everyone with respect, how to solve problems and how to improve our environment. They better keep in touch or we are going to track them down!

ABOUT FER

519 Undergraduates Enrolled
219 Graduates Enrolled
50 Faculty
50 Staff

4 Undergraduate Majors

- * Fisheries Wildlife & Conservation Biology
- * Environmental Technology & Management
- * Forest Management
- * Natural Resources [Policy & Administration / Ecosystem Assessment]

5 Graduate Degree Programs

- * Forestry & Environmental Resources
[Masters, M.S. & Ph.D.]
- * Fisheries, Wildlife & Conservation Biology
[Masters, M.S. & Ph.D.]
- * Natural Resources
[Masters & M.S.]
- * Environmental Assessment
[Masters]

Advice to Graduates:

Don't walk out there wondering if you are going to get a job. If you do that, you probably won't because you don't believe in yourself. You didn't come this far and you didn't work this hard to get this degree to start doubting your abilities. If you walk into an interview without confidence, people will notice. When you walk in, employers are looking for that confident, can-do attitude. Employers don't have time to help build confidence... so believe in yourself! You may have had doubts along the way, but you did it. Also, use your networks, have somebody else look at your resume for mistakes and practice interviewing. So in all, get out there, do some mock interviews, get that resume cleaned up and have confidence!



Parks, Recreation & Tourism Management (PRTM)

DEPARTMENT HEAD Q&A

with Dr. Dorothy H. Anderson

Where do you envision the Department going in the future?

We are recognized as one of the best programs—in the top two or three-- in the country. I see our teaching as a strength that will continue. We have a 'teaching circle' that works with faculty and students to make the student learning experience the best it can be. Our faculty are engaged and believe in the power of service learning and engagement to transform student lives in ways that will make them better citizens and professionals when they leave NC State.

Our research agenda will continue to address the grand challenges society faces. The particular research problems will change and evolve as our knowledge grows, but the focus of our research will remain on the most critical needs of society with respect to parks, recreation, tourism and sport management.

What research is being done in the Department?

Lots! The research we do is designed to provide solutions to real world problems, sustain resources and to improve the quality of life for individuals.

The active living and healthy communities group is exploring how park, recreation and sport environments promote physical activity and active living. They focus on parks, open spaces, trails, urban street networks, school and sport settings. They have several projects that involve working with decision makers in the public policy arena to change policies, especially in

schools, that work against young people being physically active and healthy. This group also looks at ways to lessen the environmental footprint of sports facilities and events.

The tourism research group focuses on rural tourism providers and developing resilient solutions for equitable and sustainable rural tourism development that will engage and empower individuals. They concern themselves with questions about identifying processes that will result in equitable markets, preserve rural lifestyles and conserve rural landscapes. Some of their work looks at the ways in which farm diversification creates recreational opportunities and how agritourism and other forms of rural tourism opportunities can be a climate change adaptation strategy.

The human dimensions of natural and built environments group looks at recreation ecology and sustainable visitor use, natural resources and human health, capacity building to promote sustainable partnerships and community engagement, and climate change impacts on community resilience. Their work spans public and private land ownership and much of it addresses landscape level issues.

What developments are in the future for this Department?

The National Recreation and Park Association (NRPA) reaccredited us this past fall! In response to NRPA's new accrediting guidelines, we are in the process of reassessing our undergraduate courses to ensure they meet the new guidelines, which went into effect this year. We have an Advisory Board, made up of practitioners representing parks and recreation, tourism and sport that are working with us on our curricula review.

Also this year, Dr. Mary Watzin became the new Dean of the College of Natural Resources and the Dean's first order of business is developing a strategic plan. That plan will define the College's direction on all fronts: teaching, research, service, engagement and extension. PRTM will be well represented in the plan. Our research areas align with many of the grand challenges society faces with respect to human and environmental health, sustainable resources and the natural and built environments. For example, many of our faculty and graduate students work on issues associated with physical activity and health, park design's influence on physical health and well-being, equitable and sustainable rural livelihoods associated with tourism, farm diversification and tourism opportunities, and citizen engagement in resource monitoring and environmental education. Our partnership with the new Geospatial and Digital Imagery Visualization Lab, which opened in January, will help us to better engage the public on these issues and the technologies available to us will allow us to address research problems and their solutions in new and exciting ways.

Our ability to teach, conduct research and engage the public were strengthened this year with the addition of two new faculty: Dr. Erin Seekamp and Dr. Carla Barbieri. Both of these faculty work in the areas of equitable and sustainable tourism, and both have extension appointments. Next year we will be joined by two more new faculty: Dr. Michael Edwards and Dr. Jordan Smith. Dr. Edwards will work in community recreation and sport and Dr. Smith's strengths are in human dimensions of natural resource management and GIS.

What are some new developments with PRTM courses?

We are in the process of developing a Tourism Analytics Certificate, which will focus on managing and analyzing 'big data'. This certificate program is a joint effort between us and a group of faculty in France. The courses that make up the certificate program will focus on data analysis and data visualization. Tourism providers, as well as those interested in bringing 'right-sized' and sustainable tourism to their communities, will be a key group of students who take these courses. Although designed for working professionals and graduate students, we anticipate allowing high-achieving upper division students to take courses in the certificate program. Analytics is all about number crunching. We live in a world where being able to make sense of large data sets is critical so we believe adding this certificate program to our

repertoire of degree and program offerings sets us apart from other programs and keeps us out in front of the pack.

We are also redesigning the capstone courses for our undergraduate degrees in parks, recreation and tourism and in sport management. Susanne Morais, one of our teaching faculty, is taking the lead on this. These classes will be redesigned to include more engagement with professionals through seminars, webinars and current issues discussion groups/blogs. Students will also walk out of the capstone with a portfolio of their degree work that will be an asset to them as they prepare for their professional careers.

Is there anything else you would like us to know about the Department?

I think our department has one of the strongest teaching faculty in the College and across this University. Nearly all of our faculty have won awards for their teaching at the undergraduate and graduate levels. Many are members of NC State's Academy of Distinguished Teachers. They are an outstanding faculty because they care about the success and well-being of students. I think our students appreciate and respond to the effort our faculty put into teaching classes. The attitude of the faculty and students make our department a special and inviting place to learn.

ABOUT PRTM

703 Undergraduates Enrolled
315 Graduates Enrolled
29 Faculty
3 Staff

3 Undergraduate Majors

- * Parks, Recreation and Tourism
- * Sport Management
- * Professional Golf Management

4 Graduate Degree Programs

- * Parks, Recreation and Tourism
[M.S. & Ph.D.]
- * Natural Resources
[M.S.]
- * Parks, Recreation, Tourism & Sport Management
[Distance Masters]
- * Geospatial Information Science & Technology
[Masters]

HIGHLIGHTS FROM ACADEMIC AFFAIRS

Dr. Adrianna Kirkman

The CNR Academic Affairs Office provides the central structure for all things related to students, programs and educational activities. Comprised of Academic Services, Enrollment Management and Information Technology groups, the department is an integral part of the College's educational mission. Our goals are to provide expedient and friendly service to prospective and enrolled students, faculty and staff, to support innovation in teaching and learning and to showcase the successes of the CNR academic family. From this perspective, we are in a unique position to see many of the initiatives and accomplishments of CNR students and faculty. CNR has so many great stories to tell!

Teaching Space Upgrades

This academic year we updated the technology in 3214 Jordan Hall – one of our “scale-up” style classrooms that allows for classroom interactions in small group “pods” in conjunction with plasma screens for sharing of discussion results with the entire class. In addition, with support from the Provost's Office, the College upgraded technology in 5103 Jordan Hall with new 3-D plasma screens and enhanced projection from the instructor's system.

CNR Strategic Planning in Academics

Following the completion of the University Strategic Plan, each of the NC State colleges is now working on strategic plans for their units. In CNR, two of the six planning areas, as identified from college-wide input, are Academic Program Evolution and Student Services/Career Services. Participants who are working on examining these areas include faculty, staff and students from across the college, with representatives from all academic departments and the Dean's Office. Some of the goals are:

- * Develop plans that will strategically enhance academic programs and co-curricular activities to attract good students and provide the educational and professional development activities that will be rewarded with outstanding career opportunities,
- * Provide activities that are effective for all of the participants and that can be delivered efficiently, to explore new or enlarged collaborations between disciplines within the college and with other colleges on campus that will foster critical thinking across all programs in natural resources fields, and
- * Engage all participants in CNR in this process of considering what directions we would like to pursue and what kinds of approaches we should take to achieve our goals.

This is a very exciting time of review and rejuvenation for the College.



CNR COUNCIL

by Park Watson [FWCB]

Since its establishment, the Council has been a representative body for the students of the College of Natural Resources. The Council is comprised of council officers, a representative from each student organization, Student Senators and the Pinetum Editor.

This year, the Council restarted the Welcome Back Cookout, participated in Shack-A-Thon and competed in the Homecoming Food Drive college competition, bringing together different organizations and departments to build a community between students in various majors and backgrounds. In an effort to reflect and represent the diverse interest of CNR students, we added two new groups to the Council: the **Environmental Education Club** and the **CNR Ambassadors**.

The Council meets monthly to discuss relevant student issues as well as to develop new ideas to better serve CNR. In addition to representing students, the Council also funds a variety of student organization events throughout the year.

2012-2013 COUNCIL MEMBERS

President
Park Watson

Secretary
Mija Nichols

CNR Ambassadors
Samantha Byerley

Environmental Education Club
Camille Brown

Forest Products Society
Robert Carter

Forestry Club
Jeb Rector

International Society of Tropical Foresters (ISTF)
Alicia Raimondi
Tasha King

Leopold Wildlife Club
Tanner Stanfield

MANRRS
Chelsi Holliday

PGM Club
Stephen Limpach
David Nastalski

Rho Phi Lambda
Samantha Marshall
MaryBeth Tew

Society of American Foresters (SAF)
Sam Griffith

TAPPI
Daniel Dudley

Women in PGM
Gabriella Sinkovic
Jessie Apt Hubner

Council Advisor
Dr. Adrianna Kirkman



CNR AMBASSADORS

by Robert McGonigle (PSE)

PURPOSE OF CNR AMBASSADORS

- * To raise awareness about the College of Natural Resources on campus and in the public
- * To help build a better college environment for students in the College
- * Increase relationships between alumni and current students

The Ambassadors aim to personalize each prospective students' experience when visiting NC State by providing one-on-one campus tours and taking the students to lunch so they feel welcomed. But the welcoming atmosphere does not stop once you get on campus.

Two events that we initiated and implemented this year were Shack-A-Thon and First Year College (FYC) Cookout. The Ambassadors assisted with the building of a shack for Shack-A-Thon and organized a cookout for First Year College students to raise awareness of CNR. Both events were a huge success and we look forward to their progress next year.

Also this year, the Ambassadors were officially established as a student organization and have coordinated new events that we hope become traditions for the College of Natural Resources.

The Ambassadors also took serving the College to another level. We added 17 new ambassadors to the group and have been busy establishing our presence around campus. In the spring semester alone, the Ambassadors provided over **575 hours of service**, 16 hours per member, doing events such as: Merit Badge College, Open House, Experience NC State, recruiting at college career fairs, presenting to high school students about CNR majors and assisting at numerous other events.

2012-2013 AMBASSADORS

Environmental Technology & Management

Krystal Carter
Lauryn Coombs
Emily Forbes
Taylor Kiker
Mija Nichols
Jenai Papillion
Allegra Wiesler

Fisheries, Wildlife & Conservation Biology

Julia Babuin
Emilee Briggs
Samantha Byerley
Michael Costa
Lauren Maynard
Alexandra Morrison
Gretchen Stokes
Park Watson

Forest Management

Thomas Harris
Blake Newell

Natural Resources

Amelia Forbes
Melana Horton
Jackson Mathis

Paper Science & Engineering

Ashley Massey
Robert McGonigle
Sarah Sassorossi
Rebekah Smith
Jacob Vrooman

Parks, Recreation & Tourism Management

Melissa Betancur
Kristen Bowman
Lindsay Froggatt
Deanna Ludwick
Elizabeth Robson

Professional Golf Management

Ryan Finn
David Gamble
Ben Justus

Sport Management

Paul Costa
Noah Delk
Amanda Dinkel

CNR SENATORS

by Kelly Cox (NR)

2012-2013 CNR SENATORS

Kelly Cox

Senior
NR Policy & Administration

Bryan Robison

Junior
Paper Science & Engineering

Sam Griffith

Senior
Forest Management

Ivey Carroll

Freshman
Sport Management

Madison Rhodes

Freshman
Sport Management

The College of Natural Resources Senators for the 92nd session of the Student Senate worked hard this year to advocate for the interest of all CNR students. Senators Kelly Cox, Bryan Robison, Sam Griffith, Ivey Carroll and Madison Rhodes, enacted major legislation related to:

- * Promotion of sustainability on campus
- * Support of the development of the Hunt Library
- * Preservation of historic rivalries and traditions
- * Facilitation of major campus events [ie - the UNC Ticket Campout]

The Senators were also instrumental in securing funding for various student organizations through the Student Government appropriations process. As members of the Campus Community and University Affairs Committees, CNR Senators are able to work alongside the CNR Council to facilitate and support students within the College.

The Student Senate is the legislative branch of NC State's Student Government. The Senate acts as a body of advocacy and serves to attend to the concerns of the student body as a whole.



ENGAGING LEADERS

by Allegra Wiesler (ETM)

The Engaging Leaders Program is a select group of first-year College of Natural Resources students, both freshman and transfers, devoted to improving one's professional development and leadership skills, enhancing cultural awareness and providing services to our college and surrounding community. Through bi-monthly diversity, career development and event planning workshops, as well as a series of community service and social outings, this group of students has truly emerged as a cohesive group of dynamic leaders committed to the promotion and support of the College of Natural Resources.

This year the Engaging Leaders Program students planned and volunteered at many events. The Cultural Cookout displayed the diverse backgrounds of CNR students through cultural dishes and entertainment, while the Business Etiquette Dinner provided networking opportunities with professionals in the students' fields of study. The Engaging Leaders also volunteered with Habitat for Humanity and at Bugg Elementary School's College Bound Day. An alternative Spring Break trip to the North Carolina Mountains was also an opportunity for students to camp out, hike the mountain trails and volunteer at a wildlife rehabilitation center.

FROM A STUDENT'S PROSPECTIVE:

"Every new college student struggles with getting their foot in the door. Everything is new and confusing. You want to make new friends and get to know the staff and professors but how do you do that? The Engaging Leaders Program helped me do it. I was welcomed to NC State and immediately developed meaningful friendships with the other Engaging Leaders.

Through the program I got to network with CNR faculty and staff. Those professional relationships opened many doors for me. Undergraduate research, internships, and volunteer opportunities are all easily within the reach of Engaging Leaders. I thoroughly enjoyed all of the practical training that we received. We learned vital skills that every young professional should have a mastery of, for example, cultural awareness, leadership skills and even how to write professional emails. The program covers many interesting and useful skills and I invite you to become a part of this dynamic group."

Samuel Freeze

Freshman in Fisheries, Wildlife & Conservation Biology

"Engaging Leaders has helped me develop my leadership skills and meet new people in a fun way. Through this program I have made friendships that will last a lifetime. This experience is the best one I have had at NC State."

Katlyn Hardison

Transfer Student in Sport Management



FOREST PRODUCTS SOCIETY

by Robert Carter (WPS)

Over the past year, the Forest Products Society has remained involved in the wood products industry, Forest Products Society National events and with campus activities. The Society participated in the National Forest Products Society annual meeting in Washington D.C. where several students made the trip to Washington to view research presentations and meet professionals in the wood products industry. The group also visited nearby leading companies like Gieger Corporation and Culp Lumber Company. Students had the opportunity to see how different facilities operate and got to interact with industry professionals.

During the University's Shack-A-Thon event, some of the group participated in helping build the shack used to raise money for the event. Participation in this activity provided the students an opportunity to get hands on experience working with wood processing machines in Hodges Wood Products Lab.

During various meetings the Society was also able to gain experience on specified machinery located in Hodges Wood Products Lab. Each member was given the chance to build a stationary pen holder through the use of CNC programming and CAD based design. We also gained experience working with a CNC based wood carving tool in which we were able to personalize each pen holder for the particular user. Our next group function that we have planned is a trip to the NC State Craft Center to participate in a pen turning class. This class will give us experience on a wood lathe and help broaden our industry abilities.

Because the Department of Forest Biomaterials requires students to participate in an industry related internship, we had several students present on the work done throughout their time at various companies. This is a way to share educational opportunities with one another and it also gives the group members a way to learn about different experiences in the industry.

Over the past year, the group has had many interesting events that have been both fun and educational. The group has grown especially close to one another and the plan is to keep providing students with a fun way to learn about industry objectives.





FORESTRY CLUB

by Jeb Rector (FOM)

The Forestry Club, also called Timbersports Club, is an organization made up primarily of undergraduates in the Department of Forestry and Environmental Resources. Even though most of our members are Forest Management students, we accept students from all majors in the University.

During events, we compete in both physical and technical events. The technical events are made up of skills learned in class such as air photo interpretation, wildlife identification, dendrology and others. The physical events showcase traditional lumberjack skills such as men and women's crosscut sawing, men and women's axe chopping events, axe throwing, archery, log rolling and others, depending on the competition. We go to three smaller competitions a year, including Rolleo which we host in the fall at Schenck Forest.

The largest competition that we participate in is the Southern Forestry Conclave which includes us and fourteen other schools from all over the Southeast. Along with the overall competition between each school, Stihl Timbersports series hosts a competition in which each school picks one team member to compete individually in four disciplines. This competition is televised and the winner goes on to compete against individuals from four other regions for the National Championship. Our competitor this year was Josh Hussey who won 1st place and will be competing at the Stihl Collegiate National Championship in Pigeon Forge, Tennessee. This is the second year in a row that we have someone competing for the National Championship.

If you would like to become a member of the Forestry Club or would like to learn more about us you can contact Dr. Roise, or any of the officers, and you can find us on Facebook as NCSU Timbersports Club.

2012-2013 CLUB OFFICERS

President

Travis Howell

Vice President

Robbie Taylor

CNR Council Representative

Jeb Rector

Advisor

Dr. Joseph Roise

INTERNATIONAL SOCIETY OF TROPICAL FORESTERS (ISTF)

by Tasha King (NR) & Cormac O'Doherty (FOM)

International Society of Tropical Foresters (ISTF) is a student run organization dedicated to enhancing the international perspective of forestry studies at NC State, with an emphasis on tropical issues. The club aims to support not only the international programs at the College of Natural Resources and their participants, but also the personal and professional development of ISTF members.

In order to support ISTF members, the club has monthly potluck meetings to hear guest speakers, view slide presentations, or watch films focusing on issues in the international arena. Club members and faculty alike are invited to attend in order to facilitate discussion and networking, over great homemade food, in an informal setting. Other events this year included selling coffee in the lobby of Biltmore Hall to raise funds and an Ice Cream Social during the fall semester. Participants enjoyed ice cream floats and played corn hole while students and faculty were able to mark places on a world map where they had previously conducted research.

Each year ISTF members attend a symposium at another university in order to facilitate further learning and networking with students outside of NC State. In January, ISTF members traveled to New Haven, Connecticut to attend the Yale chapter of ISTF's symposium entitled "Food and Forests: Cultivating Resilient Landscapes." On this trip, students were also able to tour the United Nations (UN) in New York to learn about the United Nations Forum on Forests (UNFF). They were able to meet Wu Hungbo, the Undersecretary General of the UN Department of Social and Economic Affairs, Jan McAlpine, the Director of UNFF and Yasar Halit Cevik, the Turkish Ambassador to the UN. Students also witnessed the signing of the host country agreement for the 10th session of UNFF that will be held in Istanbul, Turkey in April 2013. This is the first session to be held outside of the UN complex in NYC.

This year ISTF also held its 6th annual spring symposium on April 12, 2013, entitled "Innovative Prospects: Integrating Tropical Forest Conservation and Sustainable Livelihoods." The symposium included representatives from government agencies to the private sector and non-governmental agencies. The keynote address was delivered by Frances Seymour, former head of the Center for International Forestry Research (CIFOR) and current Senior Adviser to the Packard Foundation. Activities during the symposium included a chocolate and coffee tasting and presentation of graduate student awards.

2012-2013 ISTF OFFICERS

President

Cormac O'Doherty

Co-Vice President

Deidre Peroff

Co-Vice President

Mary Elmer

Treasurer

Jamison Douglas

CNR Council Representative

Tasha King

Advisor

Dr. Erin O. Sills

If you would like to get involved in ISTF please contact Dr. Erin O. Sills at sills@ncsu.edu.



LEOPOLD WILDLIFE CLUB

by Charles Sanders (FWCB) & Tanner Stanfield (FWCB)

The Leopold Wildlife Club at NC State University has certainly been busy this year. On February 9, we held our 2nd Annual Wild Food Supper. Approximately 125 people were served a buffet of venison, elk, beaver, feral hog, persimmon pudding, and numerous other wild foods which was followed by a silent auction. We all went home fat and happy while the club had a few extra dollars in our account for club events.

We also went on our second annual herp walk scheduled with Jeff Hall (NCWRC) in April, extending it to an overnight camping trip this year. During the trip we visited the Ft. Fisher Aquarium and the Cape Fear River boat ramp to look for frogs.

The biggest event on our schedule this year was the 2013 Southeastern Wildlife Conclave, March 7-10. Approximately 400 students and faculty, from 22 different universities and community colleges from West Virginia to Texas converged on Southern Pines for an annual athletic and academic competition. The two largest events this year were the Team Field Competition and the Quiz Bowl. These competitions had individual competitions ranging from Art to Plant Identification to an obstacle course and shooting sports. This was a monumental task and we are grateful to everyone who stepped up and helped make this event a great success. We could not have done it without each of the contributors.

Leopold Wildlife Club also launched a new website this year and we encourage everybody to check it out to keep track of what we're doing.

<https://sites.google.com/a/ncsu.edu/leopold-wildlife/>

We always welcome new faces to the club! For inquiries or if interested in joining the Leopold Wildlife Club please contact Dr. Chris Moorman at chris_moorman@ncsu.edu.

FALL SEMESTER EVENTS

- * Recruiting events on campus
- * Annual spotlight survey of white-tailed deer at the Governor's Club in Chapel Hill, North Carolina
- * National Hunting and Fishing Day
- * Bird walk through Schenck Forest led by Dr. Moorman
- * Had a booth at Bass Lake Day in October
- * Helped with NCWRC deer check stations throughout the season
- * Dr. Paul Krausman gave us the Barkalow lecture - a real treat for all in attendance
- * A visit to Carolina Tiger Rescue and Adopt-A-Highway

SPRING SEMESTER EVENTS

- * Hunter's Safety Instructor Course taught at Hill Forest by Hilton Best of the NCWRC. We graduated nine instructors from our program and two from Agriculture Education
- * Two service trips to the Conservator's Center
- * Volunteered at the Dixie Deer Classic by running the scavenger hunt for youth
- * A Hunter Safety Basic class and a Trapper's Education class
- * Bird walk though Schenck Forest led by Dr. Moorman
- * Hosted the 2013 Southeastern Wildlife Conclave

PGA GOLF MANAGEMENT

by Ryan Finn (PGM)

NC State is one of only nineteen schools throughout the United States lucky enough to be home to a PGA Golf Management Program. This unique four and a half year program provides students with the education and work experience needed to become leaders and innovators in every aspect of the golf industry. With students and alumni at some of the top golf facilities around the world, NC State's PGM program has quickly flourished into one of the premiere programs in the country.

Over the past few years Program Director Dr. Robert Wade, along with Andy Betz and Susan Colby, have given students the opportunity to lead the program in many ways. Students who have gone above and beyond are rewarded with positions of leadership in the PGM Club to apply their passion and nurture the program into what it is today.

With the student leaders at the helm, there has been an increase in opportunities for leadership positions, resume development and community service. Some of these positions include PGM Ambassadors, Get-Internship-Ready (GIR), Fit4Golf and three major committees [Event Planning, Media Committee, and Tournament Committee].

These positions and programs give students the opportunities to become closer with their classmates, give back to the community and learn different skills that will be used during the rest of their career. The PGM Club also invites industry leaders to attend monthly meetings to show the infinite career opportunities that are attainable with a degree in PGM. These meetings have featured speakers from head golf professionals, sales representatives, management companies, and swing and mental game coaches.

Money raised through the PGM Club also provides students the opportunity to compete in weekly nine-hole events, along with four annual major tournaments. The Wolfpack PGM has also displayed its great playing ability on a national level by winning both the Jones Cup in 2011 and the Carolinas Cup in 2012.

2012-2013 PGM OFFICERS

Dave Nastalski, Dakota Mincey, Alexander Kowolski, Brian Holestien, Ben Justus



RHO PHI LAMBDA

by Samantha Marshall [SMT]

Fifty active members currently make up Rho Phi Lambda, a honorary fraternity for the top students in the Department of Parks, Recreation, and Tourism Management. All of the members pride themselves on being leaders in their field while contributing service to the community.

Rho Phi Lambda meets once a month to talk about various issues affecting our industry along with forming bonds with each other. We also plan events and help each other network to become even stronger young professionals.

This year we held our annual Easter Egg Hunt for special populations of Raleigh at Laurel Hills Community Center. It was a great event that gave people the opportunity to participate in an egg hunt who would normally not get that chance. We served 18 kids and over 50 family members. Each kid went home with a large amount of eggs and enjoyed coloring while eating fun Easter snacks. All the great volunteers made personal connections with each family, leaving them with positive and lasting memories for a lifetime.

On April 26, we held our annual silent auction at the PRTM Alumni and Friends Banquet to raise money for the professional development of Rho members. This was a great opportunity for networking while bringing together alumni and current students from PRTM.

2012-2013 RHO OFFICERS

President

Samantha Marshall

Vice President

William "Justin" Vita

Treasurer

Matt Whitlow

Secretary

Patrick Stephenson

CNR Council Representative

Mary Beth Tew

Service Projects Coordinator

Marifrances "Miffy" Henley

Social Events Coordinators

Andrew Linhart

Simeon McDonald

Silent Auction Coordinators

Allison Hendren

Kristen Bowman

Heather Ficquette

SOCIETY OF AMERICAN FORESTERS [SAF]

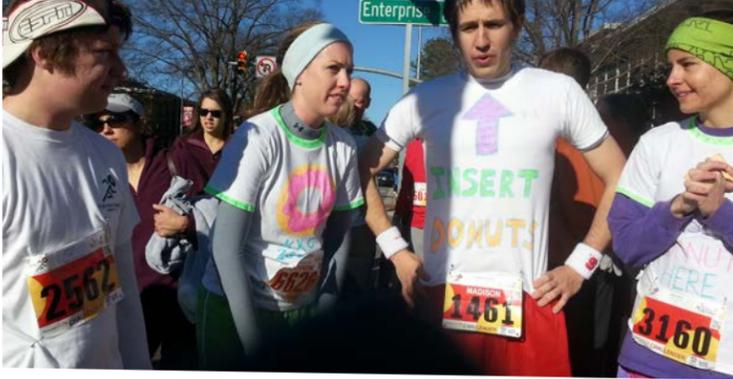
by Austin Heine [FOM]

At the end of October, a group of twelve students flew to Spokane, Washington to attend the Society of American Foresters [SAF] National Convention. Prior to the Convention, our group went on the annual Wilderness Expedition. This year for the expedition, we chose to go backpacking in Glacier National Park in Montana. On this trip, we were able to see a variety of tree species and animals that we were not accustomed to seeing. This included trees such as Tamarack, Douglas Fir and Aspen, and animals such as mule deer and elk. The weather was nice for the first few days in the park, but on the last evening it quickly changed and dropped over a foot of snow on us while we slept.

On the first evening at the National Convention, our group competed in the student quiz bowl competition against other forestry schools from around the country. Also, while at the Convention we were able to speak with forestry professionals, listen to presentations on topics of our choosing and meet with NC State Forestry alumni who attended the convention. By going out west, our group was able to see some beautiful sights and made memories that we will not soon forget!

At the end of January, we had another group of students that attended the Appalachian Society of American Foresters 92nd Annual Meeting in Charlotte, North Carolina. This meeting was similar to the SAF Convention because students were able to attend seminars, meet with forestry professionals and NC State Forestry alumni. Students attending the convention ranged from freshmen to seniors and were all able to have a great time and enjoy the opportunities provided by being members of the Society of American Foresters!

The most recent event that our group participated in was the Arbor Day celebration at the Raleigh Farmers Market on March 16. At this event, our student chapter of the SAF was able to set up a booth to educate the public about forestry. Thanks to the help of Alex Thompson, Thomas Harris and Matthew Haunsperger, our students were able to teach others about the tools we use in the forestry profession and share their experiences in forestry at NC State with potential students!



TECHNICAL ASSOCIATION OF THE PULP & PAPER INDUSTRY

TAPPI

by Daniel Dudley [PSE]

North Carolina State University's TAPPI chapter is an organization composed of Paper Science and Engineering students working to improve the knowledge, networking, and professionalism of its members. TAPPI sponsors annual events and trips where students have opportunities to network with professionals and spread knowledge about the paper industry.

This year the NC State chapter of TAPPI had the pleasure of hosting the TAPPI Student Summit. TAPPI students from all over the country traveled to Raleigh, North Carolina to meet our students, network with professionals, learn about current industry topics and run our own paper machine. Also this year, TAPPI students traveled to Savannah, Georgia to attend the TAPPI PEERS conference. At this event, the students had a chance to attend various workshops related to industry specific topics, network and talk to potential employers.

Our TAPPI student chapter is also very active in service projects around the community. This past fall, the chapter participated in the NC State Shack-A-Thon with the College of Natural Resources. Also during the fall semester, students from TAPPI worked alongside the Interfaith Food Shuttle and spent a day field gleaning at a local farm in the Raleigh area.

During the spring semester, TAPPI participated in service projects like Arbor Day, Joyner Elementary Science Go Round and Lacy Elementary Math and Science Night. Arbor Day was a day for paper science students to go to the Farmer's Market to show children and adults how paper is made. While at Joyner Elementary Science Go Round and Lacy Elementary Math and Science Night, NC State students taught them about the paper industry, while also helping the children make their own paper. TAPPI also has participated in Service Raleigh with other clubs and organizations at NC State.

2012-2013 TAPPI OFFICERS

President

Jesse Shade

Vice President

Tyson Pickard

Treasurer

Caryn Peksa

Programs Chair

Sean Bullock
Kyle Black

Activities Chair

Madison Meekins
Joseph McDonald

IM Sports Coordinators

Patrick Leasure
Carter Rehtin

Service Chair

Katie Payne

E-Council Rep

Cayle Machek

CNR Council Representative

Daniel Dudley

Publicity Chair

Nathan Mosley

Webmaster

Sam Porter

WOMEN IN PGM (WPGM)

by Jessie Hubner [PGM]

The Women in PGA Golf Management (WPGM) student organization was founded with the objective of promoting the growth of women in the golf industry. With currently only four women in PGA Golf Management, this organization works towards recruiting female golfers and networking with female golf professionals. NC State is the only university amongst the other 18 PGA-accredited universities to have a WPGM student organization.

During the 2012-2013 school year, WPGM has held fundraisers and two major events: the WPGM Conference during the fall and the WPGM Retreat during the spring. Our WPGM Conference, also known as "Let's Hear It for the Girls," is a four-day conference where female students from all of the PGM programs are invited. This year we kicked off our conference at Pinehurst Golf Resort. After playing a round of golf and meeting with several staff professionals, we had dinner with Peggy Kirk Bell at Pine Needles Golf Resort. Peggy Kirk Bell is one of the Ladies Professional Golf Association's (LPGA's) charter members. Through this dinner we had the opportunity to learn about her experience in golf and how women's golf has changed over time. We realized how important it is to be active in bringing more female golfers to the game.

For the second half of the conference, we traveled back to campus where more female PGA Golf Management students joined us in the festivities. Our ladies traveled from the University of Maryland, Eastern Shore and Coastal Carolina University. The next days were filled with seminars, golf at Lonnie Poole Golf Course and the N.C. State Fair! WPGM would like to thank our guest speakers at the Conference. In particular, Ben Nelson, a PGA Golf Management student, gave us a helpful lesson on club building. To finalize the conference, we met with Lindsay Browder who is the Women's Design Manager of Peter Millar, a very high-end golf apparel company. We had the opportunity to talk with her about different career paths in the golf industry and how she ended up where she is today.

For the spring semester, WPGM left on a weekend retreat to the Outer Banks. This included planning sessions for the future of the organization as well as playing some golf!

WPGM would like to thank all of the support from the PGA Golf Management students and staff as well as the CNR Community for Diversity.



WELCOME BACK COOKOUT

by Park Watson (FWCB)

In the past, the College of Natural Resources hosted a fall semester cookout for students, faculty and staff, but the tradition faded away. This year the CNR Council decided to restart the annual cookout tradition!

CNR student clubs were invited to set-up tables and talk with students about the great opportunities offered through their organizations. There was music, hamburgers, cornhole and even free cotton candy set-up in the Jordan Hall Patio!

Over 60 people waited in line for food, and as the first hamburger came off the grill **it started to rain.**

Quickly students moved inside or under an awning, but the rain didn't stop the cookout. The forestry students moved the grills out of the rain and continued to cook. Everyone huddled together under the awning and continued to chat and eat until all the food was gone. **Even in the rain, CNR still knows how to have a great time!**

The CNR Council looks forward to hosting the cookout again next year. Hopefully the weather will be a little better next time!

* Hosted by the CNR Council



CNR EVENTS

2012 - 2013

09.20.2012



FYC COOKOUT

[First Year College]

by Amanda Dinkel [SMT]

This year, a group of five CNR ambassadors had a plan and a budget to execute a cookout for First Year College [FYC] students, with little faculty involvement. However, we quickly realized there was going to be a lot of planning to make this event work.

Last spring in the CNR Ambassador class, the group came up with an idea to **hold a cookout on FYC Beach to promote the college, the majors and opportunities within CNR to freshman who are looking for just the right major.** We secured the venue and the cookout was set for September 20, 2012. Our group worked closely with FYC advisors to advertise the event to students, and the cookout was counted as a forum event to entice more FYC students to attend. We got a permit for the location and fired up the grills to make hotdogs and hamburgers. While it was important to share information about the college to the students, it was equally as important for us to gather their information. Therefore, we decided to create a brief survey that students filled out on iPads before they were able to get their food.

Needless to say, there was a lot of planning for this event. However, in the end, it was worth all of the planning because we were able to get a lot of responses from freshmen students who didn't even know the College of Natural Resources existed. **We obtained 150 surveys from students which exceeded our goal of 100.** Frisbees, footballs, volleyballs and cornhole were also set up for students to play with on the beach. The menu consisted of hot dogs, hamburgers, chips, water and soda and a few CNR professors were there to help with the grilling. Overall, it was fun reaching out to freshmen about CNR while enjoying some great food and fun games!

* Hosted by the CNR Ambassadors

09.24.2012

SHACK-A-THON

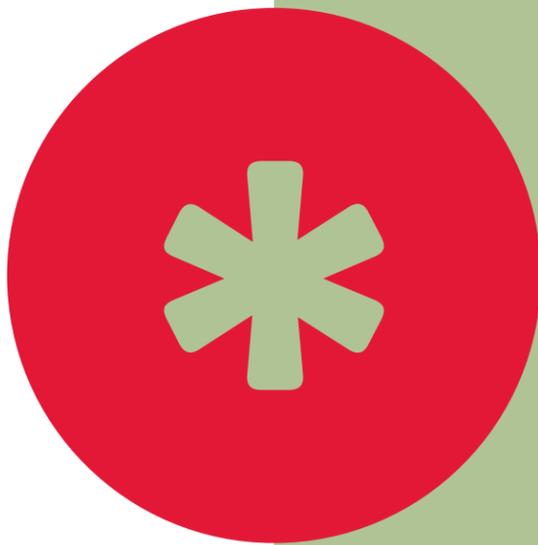
by Liz Robson [PRM]

Last spring semester, the College of Natural Resources Ambassadors decided it would be great to get involved with Shack-A-Thon, an annual fundraiser benefiting Habitat for Humanity. During Shack-A-Thon, organizations from across campus spend a week living in a shack, built by their organization, in the center of the Brickyard to raise money for sustainable housing in Wake County. This year was the first time the College of Natural Resources participated.

The CNR Shack was organized by CNR Ambassadors and was hugely run and supported by TAPPI, Wood Products, Leopold Wildlife Club, PGM Club and the Engaging Leaders. With the help of all the student volunteers, faculty, and financial and moral supporters, **we built a shack and raised nearly \$4,000 towards affordable sustainable housing!**

The CNR Ambassador team and the college community were thrilled to see that CNR was now involved with this fundraiser and was so successful. Sarah Sassarossi, a student in Paper Science and Engineering, explains, "It was wonderful to watch the shack come together during planning and building because a strong group of students worked wonderfully together. But what truly amazed me was what happened at night in the shack. **We needed people to spend the night to abide by the rules, but some nights we had 6-7 students there.** I think this is a testament to our involvement as a community and how we are developing into an active body."

Shack-A-Thon ended up being more than a fundraiser. It created a space for students to learn, educate and use their skills and knowledge of the environment. It was rewarding to know that we were able to reach out to other students across campus to create awareness of the importance of sustainable housing and healthy living and how that relates to the College of Natural Resources.



10.30.2012



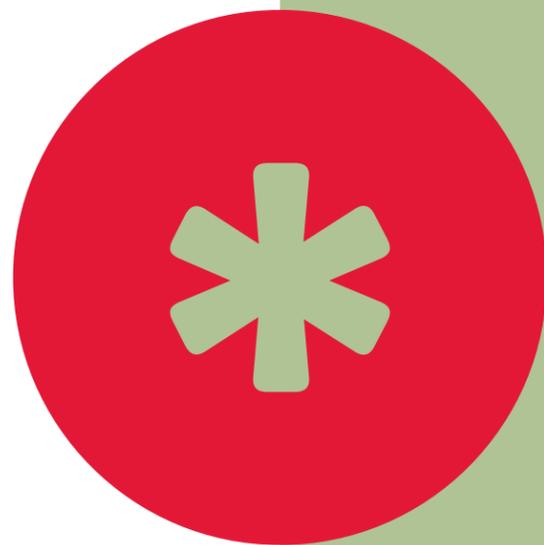
CULTURAL COOKOUT

by Shafeny Grays

This year, the Community for Diversity sponsored a CNR Cultural Cookout as a way to celebrate the many cultures represented in our college. Our office is committed to creating an inclusive environment by going beyond simply recognizing the obvious differences, and embracing the many differences that each member of our college brings to the table. This includes professional, academic and personal experiences and we thought what better way to get students, staff, and faculty together and share their culture than by having a cookout! Despite the cold and wet weather, we had a great time in Biltmore Lobby with fashion, worldview, expressions, entertainment and professional cultures – all while experiencing the Taste of CNR **(with food prepared by CNR students, staff and faculty representing their culture).**

Over 70 CNR members attended. It was a great to see students from different departments networking with students, staff and faculty from departments other than their own. Interdisciplinarity is key to our future and it can start right here in CNR...so we thank those who came to support the event. A special thanks to CNR Student Engagement, Engaging Leaders, Professional Golf Management Ambassadors and Women in Professional Golf Management for their contributions.

* Sponsored by the Community for Diversity and the Engaging Leaders Program



11.2.2012

HOMECOMING 2012

by Ashley Quick (PSE)

This year, the College of Natural Resources [CNR] was a part of Homecoming for the **first time** in many years. The College called on its most creative and organized students to increase its involvement in the Homecoming festivities. I happily volunteered for the responsibility of Homecoming Chair and set off to round up a committee. I was happy to see that many students were excited to get more involved and have some fun while showing off both their Wolfpack and CNR pride!

After countless interest meetings, planning sessions and emails, the homecoming committee chose to focus our energies on Paint the Town Red, the Spirit Banner Competition, Hillsborough Street Cleanup, Paint the Tunnel and the Homecoming Parade. Our Homecoming involvement was generously supported by the NC State Natural Resources Foundation.

Paint the Town Red, the Spirit Banner Competition, and Paint the Tunnel allowed the artistic students in the committee to show off their talents. The Hillsborough Street Cleanup allowed students to get involved in the betterment of the community we live in. Our biggest and boldest undertaking for the homecoming parade was building a homecoming float, which we entitled "Welcome to CNR-ville."

A small group of students and I designed and constructed a beautiful and spirited float. We decided to go with the theme of "Wolfpack State of Mind" and knew that we wanted to feature both the University and the College. The Belltower was prominently featured, standing above a city skyline with North Carolina trees, donated by the Tree Improvement Group. CNR Diversity Director Thomas Easley, a.k.a RaShad, volunteered to perform his original song while on the float called "NC State of Mind." Once we had all of our loose ends tied up, we rallied up excited CNR students to ride on the float and lined up to go. The float and Mr. Easley's song were big hits with both the students involved and the people who came out to see the parade! We had a wonderful time singing along to the chorus of "NC State of Mind" and cheering for the Wolfpack on the float! [To read the lyrics to "NC State of Mind", go to page 32]

Through this opportunity we increased community awareness about CNR and what we have to offer, but this experience also helped us as students identify with the College of Natural Resources and become even more of a family. We could not have pulled Homecoming 2012 off without the support from the wonderful faculty, staff and students of CNR and the Natural Resources Foundation.

* Sponsored by the NC State Natural Resources Foundation, Inc.



NCRPA PRESENTATIONS

(North Carolina Recreation and Park Association)

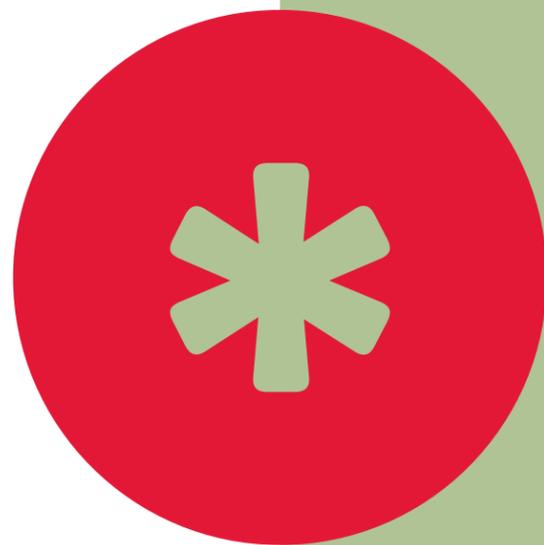
by Samantha Marshall [SMT]

This past November, members of the Rho Phi Lambda Honorary PRTM Fraternity presented at the North Carolina Recreation and Park Association conference held in Greenville, North Carolina. Rho members stuck with the theme when they decided to present **“Extremely Simple Strategy for Extremely Fun Times!”** to students and professionals alike. This presentation’s focal point was on the Programming Wave. The Rho members, along with our advisor, Annette Moore, created the entire presentation in multiple meetings that started back in April of 2012.

Not only did everyone learn from this presentation, but we had a lot of fun and may have been a little too loud for the presentation next door. It really helped members and participants come out of their comfort zones and to be creative with their ideas with minimal amounts of resources. This is especially important with the economy today and shrinking budgets. The professionals in attendance were impressed by our group and the professionalism we displayed when carrying out activities in our presentation. As students, we all gained a great experience presenting in a professional environment. It was a memorable and unforgettable day while making a difference in our industry.

These students played an integral part in the planning and presentation at NCRPA: Charles Sharp, AnnKate Sledd, Mark Mahan, Matthew Whitlow, Samantha Marshall, Shaun Fisher, Justin Vita, Alex Osborne, Tyler Sosa, Brian Grose, and Mary Beth Tew.

Without the help and inspiration of our fearless advisor Dr. Annette Moore, none of this would have been possible.



03.07.2013

WILDLIFE CONCLAVE

by Park Watson [FWCB]

Most college students think of the beach as spring break approaches, but for wildlife students in the College of Natural Resources, this spring break meant Wildlife Conclave time!

What is Wildlife Conclave?!

Wildlife Conclave is an annual event hosted by a different student chapter of the Wildlife Society to provide students with valuable hands-on training in wildlife management and conservation. This year it was North Carolina State University’s turn to host Conclave. The Leopold Wildlife Club, a student organization in the College of Natural Resources, planned the team field competition, wrote quiz bowl questions and fundraised months in advance.

Twenty-two teams, consisting of 350 students, from colleges across the southeast converge at NC State for three days of intense intellectual and physical competition designed to challenge even the best wildlifers. Teams are tested on a variety of wildlife topics including plant and animal ID, equipment ID, population estimates, fire building and antler scoring, just to name a few. Students also compete in individual competitions such as trap shooting, field photography, fly casting and canoeing.

Conclave isn’t only about competition, though. Every year, the host school plans field trips for the visiting students to display unique aspects of wildlife management. This year the field trips included Wildlife Management on Military Bases, Exotic Animal Husbandry, Waterfowl Management and many more!

Overall, the 2013 Southeastern Conclave was a success! The Leopold Wildlife Club looks forward to competing in Conclave next year at Clemson University!

RESULTS:

- 1st Place Overall:** University of Georgia
- 2nd Place Overall:** University of Tennessee at Knoxville
- 3rd Place Overall:** Haywood Community College

* Hosted by Leopold Wildlife Club

SPECIAL RECOGNITIONS

STUDENTS

City of Raleigh Environmental Award - Donna Jackson Trailblazer Award for Environmental Public Service Announcement
Wei Wang [PRTM]
Robert Smith [PRTM]

STIHL TimberSports Series - Southern Collegiate Title
Josh Hussey [FOM]

Arthur W. Cooper Fellowship for Excellence in Social Sciences
Sarah Wiener [FOM]

Charles B. Davey Fellowship for Excellence in Biological Sciences
Steven Grodsky [FWCB]

Namkoong Family Graduate Fellowship for Excellence in Conservation and Ethics
Marcus Lashley [FWCB]

Forestry and Environmental Resources Faculty Fellowship for Excellence in Graduate Education and Service MS Student Award
David Zietlow [FOM]

Forestry and Environmental Resources Faculty Fellowship for Excellence in Graduate Education and Service Doctoral Student Award
Wen Lin [FOM]

Eastman Graduate Student and Post Doctoral Research Awards 2012
Trevor Treasure [FB] - 1st
Carlos Salas [FB] - 2nd
Ali Ayoub [FB] - 3rd

TAPPI's NET Division Scholarship
Yik Shing Tung [PSE]

Preparing the Professoriate Fellow
Guillermo Velarde [FB]

Paper Science Super Scholar
Steven Gillespie [FB]

Laarman International Gift Fund Award
Jamison Douglas [NR]

2012-2013 Grant for Undergraduate Research
Charles Brandon Tate [ETM]

Ben Meadows Natural Resources Scholarship for Academic Achievement
Austin Heine [FOM]

2013 North Carolina Chapter of The Wildlife Society Best Student Poster
Nicholas Flanders [FWCB]

2013 TAPPI Process and Product Quality Division \$1000 Scholarship
Stanton Alexander Wiggins [PSE]

North Carolina Association of Environmental Professionals (NCAEP) PhD Scholarship
Nitin Kumar Singh [FOM]

Geological Society of America (GSA) Graduate Research Grant
Nitin Kumar Singh [FOM]

2013 Hightower Graduate Student Award
Colter Chitwood [FWCB]

The Philip E. Fleming Endowed Scholarship
Lindsay Froggatt [PRTM]

Winslow, Frauson, Rea Endowed Scholarship
Anna Bellefeuil [PRTM]

Legends in Giving Scholarship
Marcus Spruill [SMT]
Ben Justus [PGM]

Site Solutions Scholarship
Scott Corcoran [PGM]

The J. Harold & Hazel Moses Endowed Scholarship
Micayla Mitchell [PRTM]

Dr. M. Roger Warren Endowment in Park Management Scholarship
Hannah Fallanca [PRTM]

Phillip S. Rea Endowment for Parks and Recreation
Elizabeth Croft [PRTM]

R.B. and Irene Jordan Endowed Scholarship
Nick Cioffi [SMT]

The Wayne Williamson and Bette Rose Scholarship in Parks, Recreation and Tourism Management
David Gamble [PGM]

Edwin and Letitia Lindsay Sport Management Scholarship
Dixon Christy [SMT]

The Steve and Laura White Endowed Scholarship
Katie White [PRTM]

PGM Scholarship
Scott Corcoran [PGM]
Ryan Finn [PGM]
Ben Justus [PGM]
Michael Hill [PGM]
Dylan Dawson [PGM]

2012-2013 Outstanding PRTM PhD Student
Katharine Kelly [PRTM]

2012-2013 Outstanding PRTM MS Student
Kelly McFadden [PRTM]

2012-2013 Outstanding Student in Parks, Recreation and Tourism Management Grant
Matt Whitlow [PRTM]

2012-2013 Outstanding Student in Professional Golf Management
Dave Nastalski [PGM]

2012-2013 Outstanding Student in Sport Management
Patrick Stephenson [SMT]

2012-2013 Thomas I. Hines Outstanding Senior Award
Amanda Dinkel [SMT]

NCSU Undergraduate Research Symposium Award
Daniel Venditti [WPS]

NCSU Undergraduate Research Symposium Award
Ashley Quick [PSE]

2013 Thomas L. Quay Wildlife and Natural Resources Undergraduate Experiential Learning Award
Gretchen Stokes [FWCB]

NCSU Caldwell Fellows Class of 2016
Thomas Harris [FOR]

Ken Wilson Memorial Award by the NC Chapter of The Wildlife Society
Charles Sanders [FWCB]

1st Place - 2013 Annual Meeting of the Tidewater Chapter of the American Fisheries Society Student Poster Competition
Tim Ellis [FWCB]

SE Climate Science Center Global Change Fellows
Steven Grodsky [FER]
Jennifer Miemuth [FER]
David Zietlow [FER]

FACULTY & STAFF

NC State 2013 Green Brick Award
Johnathan Casper [PRTM]

2012-2013 Pride of the Wolfpack
Patti Woodbury [Development]
Tilla Fearn [Communications]
Miles Clark [Communications]
Erin Adair [PRTM]
Andy Betz [PRTM]
Kimberly Bush [PRTM]
Laurie Gharis [FER]
Michael Maltby [FB]
Sharon Wright [Research]
Greg Robinson [IT]
Josh Gira [IT]
Richard Norris [IT]
Dustin Duckwall [IT]
Andy Click [IT]
Tiffany McLean [Enrollment]

2012-2013 Outstanding Chair of the UNC Staff Assembly
Susan Colby [PRTM]

NC State Alumni Association Outstanding Teacher Award
Michelle Harrolle [PRTM]

2013 Academy of Outstanding Teachers Inductee
Michelle Harrolle [PRTM]

NC State 2012-2013 Outstanding Faculty in Extension & Engagement
Annette Moore [PRTM]

2012-2013 CNR Alumni Distinguished Undergraduate Professor Award
Aram Attarian [PRTM]

2012 American Association of Park and Recreation Administrators Legend Award
Karla Henderson [PRTM]

Thank a Teacher Letter
Kim Bush [PRTM]
Jason Bocarro [PRTM]
Michelle Harrolle [PRTM]
Jonathan Casper [PRTM]
Annette Moore [PRTM]
Janell Moretz [PRTM]
Richard Braham [FER]
Larry Nielsen [FER]

2012 CNR Nominee for the NC State University Awards for Excellence
Pat Hill [FB]
Lisa Schabenberger [FER]

US Forest Service and Natural Resource Conservation Service Two Chiefs Partnership Award
Robert Bardon [Extension]

Project Learning Tree (PLT) Gold Star Award
Renee Strnad [Extension]

News and Observer Tarheel of the Week
Renee Strnad [Extension]

George Marra Award for Excellence in Writing
Laszlo Horvath [FB - Student]
Perry Peralta [FB - Faculty]
Ilona Peszlen [FB - Faculty]
Levente Csoka [FB - Student]
Balazs Horvath [FB - Student]

2012-2013 CNR Alumni Distinguished Graduate Professor
Erin Sills [FER]

CNR Board of Governors Award
George Hess [FER]

2012 Distinguished Service to Forestry Award from the the Appalachian Society of American Foresters
Jim McCarter [FER]

2012 Special Volunteer Service Award from the NC Division of the Society of American Foresters
Joe Cox [FER]

Smithsonian 2012 Outreach Achievement Award
Roland Kays [FER]

University Faculty Scholars
Fikret Isik [Tree Improvement]
Orlando Rojas [FB]

2013 University Awards for Excellence winners for CNR
Teresa Sauls [Business Office]
Joshua Steiger [Tree Improvement]

2012 SAF Fellow
Mark Megalos [Extension]

5 Years of Service to NC State
Shaefny Grays [Community for Diversity]

10 Years of Service to NC State
Tori Batista [Tree Improvement]
Julia Brooks [Dean's Office]
Cindy Burke [FER]
Carolina Thomson [FER]
Sharon Wright [Research]

15 Years of Service to NC State
William Woodbridge [Extension]
Ellen Sanders [Research]
Mike Maltby [FB]

ENDOWMENTS

Established 5.1.12 - 4.30.13

A. G. Raymond Forest Products Scholarship
Est. July 12, 2012

William R. Sizemore Natural Resources
Est. December 12, 2012

Class of 2012 Paper Science and Engineering
Est. January 13, 2013

The Porterfield Endowment for the Zobel and Kellison Scholarship
Est. January 13, 2013

Summerville Family Forest Research Fund Endowment
Est. January 13, 2013

Hugh McCol Lupold Mentors Endowment in the College of Natural Resources
February 13, 2013

Dr. Norman and Betty Camp Partners for Environmental Justice Scholarship
Est. February 13, 2013

Bob Slocum Forestry Communication Scholarship
Est. April 13, 2013

C. Allen Sanders Paper Science and Engineering Scholarship
Est. April 13, 2013

Stephen H. Conger, Sr. Professorship in Forestry
Est. April 13, 2013

COLLEGE OF NATURAL RESOURCES AWARDS

Chancellor's Creating Community College Award

City of Raleigh Environmental Award - Raleigh Environmental Stewardship Award

2013 Outstanding College Performance Award for Multicultural Freshman Success

**Want to see your accomplishments featured Pinetum? Make sure to submit your information to Academic Affairs throughout the year!*

"NC STATE OF MIND"

Written by Thomas Easley (Community for Diversity) a.k.a RaShad
Performed on the CNR Homecoming Flood during the NC State Homecoming Parade

Verse 1

I left Birmingham on my way to NC
Stopped in A-T-L where I got family
Moved on to South Cac, Stopped in Charleston
On my way to NC, where life is awesome
Saw palmettos driving through EASLEY
City named after me there you breathe me
Passed through Spartanburg then get to Charlotte
Carolina Panthers you can't stop it
To Winston-Salem forest waking
Hung with Moravians, doughnuts are baking
then Greensboro playas live it up
What's up A&T, High Point give it up
Go to dirty Durham Central what is up
Stepped in Chapel Hill, Tar Heels can't get at us
Landed in Raleigh, now world get at me
RaShad to Mister E I'm Wolfpack see

Chorus

NC State of Mind where the red and white
NC State of Mind where we do it right [yell]
NC State of Mind you Better get back
NC State of Mind go Wolfpack [yell]
NC State of Mind give love for sho
NC State of Mind everybody know [yell]
NC State got strong history,
NC State got a lot of VICTORIES [yell]

Verse 2

Want to see the Bobcats something good going on
Got a Carolina girl now its time to get it on
Blue Devils got to play but my attention at
NC State let's go Wolfpack
Got to love the Falcons and love to the Bears
Aggie Eagle classic everybody there
Nothing like fry bread where you at Cherokee
Talk to me Lumbees, look what's happening
Go to Roanoke rapidly pushing
Rap stars made there hard with no cushion
Got a cuz in Chitown driving through Tennessee
Talking fast on his cell, betta check your minutes BE
Want to get here cause I'm bout to do a show
NC State, when I rock everybody know
You from Cali, get here by four
Jump on I-40 you'll end at my front door

Repeat Chorus 1x

Verse 3

Still got dirt roads, lot a spots country
And got city folks down here we trusting
Essence of a southerner, still got the hustlers [HUSSELSERS]
Lot a folk been through hell anything you throw at us
We can suck it up, we can blow it down
Fall like twin towers nothing can keep us down
Fantasia overcame and Clay Aiken
Holler Scott McCreery 'nother idol made it
I am Bama man living in the NC
Coming from the deep south no wonder folks get me
Understand my struggle problem still exist
Lot of love for ya here learn how to act quick
Got plenty churches State Fair food to eat
Homeless on the corner wanna a dollar from me
I'll give it to 'em, real hospitality
N-C-S-U this my reality

Repeat Chorus 2x

To read more about Homecoming 2013, go to page 28

2012 - 2013 GRADUATES

SUMMER 2012

Department of Forest Biomaterials

Bachelor of Science in Paper Science and Engineering
Rahatul Ashique
Nicholaus Howard Hale

Bachelor of Science in Wood Products
Scott Andrew Bullock

Department of Forestry & Environmental Resources

Doctor of Philosophy in Forestry and Environmental Resources
John D. Carr
Jennifer L. Emerson
Kurt Walter Smith

Master of Science in Forestry
Adam Brown
Jaana Elina Korhonen
Nathaniel Brooke Naumann

Master of Science in Natural Resources
Parker Tull Mothershead

Bachelor of Science in Environmental Technology and Management
Taylor Marie Hescocock
William Logan Robinson
Jacob Evan Samuels
Ralph Merlin Smith III

Bachelor of Science in Forest Management
Edward L. Hull, Jr.

Bachelor of Science in Fisheries, Wildlife, and Conservation Biology
Ryan Keith Gore
Carolyn Mae Hinshaw
David Warren Tart

Department of Parks, Recreation & Tourism Management

Doctor of Philosophy in Parks, Recreation and Tourism Management
Jung-Hwan Jeon

Master of Science in Natural Resources
Craig Samuel Matisoff

Master of Parks, Recreation and Tourism Management
William Joseph Aubut
Dena Christine Justice
JN Shivar Person
Kevin Michael Woodhull-Smith

Master of Science in Parks, Recreation and Tourism Management
Florian Max Muench
Adrian Zeck

Master of Geospatial Information Science and Technology
James Edward Armstrong
Brian Michael Wilson

Bachelor of Science in Parks, Recreation and Tourism Management
Scott Joseph Allen
Dovonte Keith Edwards
Shannon Elaine Hayes
Amber Nicole Jackson
James Colby Jackson
Raven L'Oreal Johnson
Rachel Michelle Judd
Kaitlyn Bridget Langa
John N. Lovelady
Jordan D. Lowder
Ashley Gale Miller
Andrew Dale Moody
Renaldo Rodricius Moses
Kelly Elizabeth Price
Jonathan Thomas Ray
Morgan Brooke Robertson
Ryan Christopher Ryba
Kaitlin Dakota Smith
Orin Spencer Stultz
Lauren Spencer Vinesett

Bachelor of Science in Professional Golf Management
George Michael Griffin

Bachelor of Science in Sport Management
Bradford Christian Brower
Kyle R. Cochran
Katie Louise Evans
Matthew P. Hyman
Alex Franklin Jones
William Joseph Rollinson
Paige Nicole Salmon
Thomas Lynwood Smith III
Brian Anthony Surface
Aleesha Erin Swann
Jerry Lee Vaughn, Jr.

FALL 2012

Department of Forest Biomaterials

Doctor of Philosophy in Forest Biomaterials
Adrian Pirraglia Tunez

Master of Forest Biomaterials
James Lowy DeSarno
Norris Ralph Pike
Scott Thomas Schnelle

Bachelor of Science in Paper Science and Engineering
Elijah Marcus Gore II

Steven Demars Hansen
Nicholas Kyle Quimby
Joseph A. Slepitzka
Michael Joseph Woolford

Bachelor of Science in Pulp and Paper Science
Jakob Bauriedl
Riina Anna-Mari Markkanen

Bachelor of Science in Wood Products
Daniel Ellis Carta
Philip Munro Mojonier

Department of Forestry & Environmental Resources

Doctor of Philosophy in Forestry and Environmental Resources
Omar Ernesto Carrero
Hsi-Chuan Chen
Liwei Lin
Funda Ogut
Jack Peng-Yu Wang
Shari Lynn Rodriguez

Doctor of Philosophy in Fisheries, Wildlife and Conservation Biology
Shari Lynn Rodriguez

Master of Environmental Assessment
Corey Adam Mocka
Marla Kay Russell

Master of Science in Forestry
Graham Andrew Ford
Hanna-Lotta Heikkonen
Julie Carol Canavin

Master of Fisheries, Wildlife, and Conservation Biology
Merril Ashley Cook

Master of Natural Resources
Braden Avery Ramage

Master of Science in Natural Resources
Yuan Fang
Jamie Viola Glenn
Simon Charles Hall
David Keith Robinson
Navinder Pal Singh
Michael David Youth

Bachelor of Science in Environmental Technology and Management
Clarence Wood Beasley IV
Phyllisa S. Best
Andrew Lifur Birch
Nolan Joseph Bishal
Jared M. Carson
Joshua Karthy Cates
Nathan Jisung Chang
Chelsea D. Daystar
William Richard Fanning
Amanda Leigh Freeman
Jamiesha Carlena Johnson

Thomas Mitchell Johnson
Taylor Ross Kiker
Erin Marie Labarbera
Justin Richard LaCroix
Joseph Cornelius Mc Manus
Bryce Edward Morgan
Sarah E. Owsiany
Jeffrey Hans Schluter

Bachelor of Science in Forest Management
Andrew J. Bumgarner
Lauren Christina Alston Lesak
Thomas Charles Stutz

Bachelor of Science in Fisheries, Wildlife, and Conservation Biology
Benjamin David Biery
Megan Elizabeth Binkley
Joshua Edward Bivans
Caitlin Rachel Costello
Chelsea D. Daystar
Michael Stephen Lasher, Jr.
Kyle Leeward Meadows
Lauren Jeannette Nelson
Mark Wesley Parsons
Drew Spencer Patton
Aaron G. Prince
Martin Alexander Stephenson
Wesley David Thomas

Bachelor of Science in Natural Resources
Charlton Frye Brown
Connor James Celentano
Kathryn Rose Hoyle
Daniel Steven Parobok
Jessica Danielle Pope
Erin Michele Thompson
Jennifer Blaire Thornton
Zachary Michael Weidner

Department of Parks, Recreation & Tourism Management

Master of Parks, Recreation and Tourism Management
Suzanne Saunders Colby
Kristina Ruth Hubbard
Jennifer Tish Jones

Master of Geospatial Information Science and Technology
Keith Alan Ince
Paul Sung-Po Ku
Jason Elisha Hall Baker
Zarna N. Bharodia
Christopher Michael Butts
Nicholas Chandler Davis
Robert A. Hurd
Matthew Jean Pare
John S. Radcliff
Terry Alan Saine
Makiko Shukunobe
Franklin Edwin Spitzer, Jr.

Bachelor of Science in Professional Golf Management
Zachary Taylor Garrison

Brenden Keith Jackson
Richard Thomas McIntyre III
Stephen M. Pietsch
Robert Masters Taylor

Bachelor of Science in Parks, Recreation and Tourism Management
William Benjamin Allen
Courtney Leigh Bass
Wesley Martin Boyles
Christy Lynne Brackett
Kern Michael Brookman
Stephanie Campbell
David Anthony Clarke, Jr.
Brian Andrew Cox
Margaret Lee Fearing
Samantha Jo Fisher
Philip Matthew Gilbert
Kate Elizabeth Gilbertson
Murphy Williams Hall
Elizabeth Annette Hartness
Jennifer Hice Iyengar
Joseph Darius Michael Jenkins
Aaron Kenyon
Seal Lee
Abbey L. Leitner
Lang Taylor MacBain
John Lewis McPherson
Michael Christopher Neese
Johnson Walter Olive
Alex Gray Osborne
John Bennett Paylor
Adam G. Rodgers
Charles Edward Sharp III
Andrew John Stutts
Julian D. Sullivan
Howard Moody Walters IV
Samuel R. Wilborn

Master of Forest Biomaterials
Vivek V

Bachelor of Science in Paper Science and Engineering
Kyle Andrew Black
Jeffrey Paul Campey, Jr.
Kevin M. Daniel
Cayle Elizabeth Machek
Ashley Jasmyrn Massey
Richard A. McNeil, Jr.
Madison G. Meekins
Nathan Douglas Mosley
Katharine Colonna Payne
Tyson Cole Pickard
Garrett Robert Rocco
Johnathan R. Roesch
Jesse Aiko Shade
Robert J. Wayland, Jr.
Clifton Hunt Willard

Bachelor of Science in Wood Products
Robert McKenzie Carter
Jesse Hinton Duke
Adam Judson Jennings
Austin Charles Keck
Andrew Jordan Napier
Cory Spencer Robert
Michele Lynn Vanderlip

Department of Forestry & Environmental Resources

Doctor of Philosophy in Forestry and Environmental Resources
Leslie Phelps Newton

Master of Environmental Assessment
Arta Alla
Thomas Scott Bristol
Kevin Michael Limani
Jeremy B. Roston

Master of Science in Forestry
Ryan Robert Heiderman
Tracy Halley San Filippo
Joshua John Steiger

SPRING 2013

Department of Forest Biomaterials

Doctor of Philosophy in Forest Biomaterials
William Darnell Graham
Zhiying Yu

Master of Forest Biomaterials
Vivek V

Master of Science in Forest Biomaterials
Marta Simon Pongor

Bachelor of Science in Paper Science and Engineering
Kyle Andrew Black
Jeffrey Paul Campey, Jr.
Kevin M. Daniel
Cayle Elizabeth Machek
Ashley Jasmyrn Massey
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Tracy Halley San Filippo
Joshua John Steiger

Master of Science in Fisheries, Wildlife, and Conservation Biology
Kimberly Marie Porter

Master of Natural Resources
John Joseph Buckley
Christopher Lamar Clary
Brittany Hoffman
Nathan Devane Howell
Paula Godwin Cothren
Amanda Marie Johnson
Ashley Lauren Steele

Master of Science in Natural Resources
Anna Barnes Alicea
Natasha A. James
Alicia Liberta Raimondi
Joshua Sayre Rice
Shawn Dayson Shifflett

Bachelor of Science in Environmental Technology and Management
Sarah Helen Anthony
Jeffrey D. Asper
Allison Kelly Cicero
Francisco Gerardo Cobo
Darren Eric Cox
Leigh Rebekah Davis
Cameron Frazier Faulconer
Will Beasley Fisher
Emily J. Forbes
John W. Galloway
JoAnthon Arthealis Harris
Ivonne Elizabeth Hernandez
Alexandria Maura Hunt
Phillip Michael Jones
Justin Robert Karl
Melissa Anne Keeney
Ashley Nicole Kiser
Candice Rae Kortescmaki
Matthew Lance Kuliani
William Thomas Lee
Trenton Daniel Lee
Yileen Formosa Liu
Andrew Thomas Marhefka
Matthew Wayne Morgan
David Emmerson Morrow
Nicholas Andrew Perry
Melissa Ashley Scally
Adam A. Shelton
James H. Sherer
William Walker Smith
Courtney J. Staton
Jenny Parramey Tang
Matthew Alan Tucker
Marshall Brown Vestal
Allegra Julia Wiesler

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Ethan Mills Campbell
Austin James Heine
Tyler Lewis Hill
Brian A. Johnson
Garrett Ray Lewis
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Julia Elisabeth Babuin
Richard Keith Chesnutt
Charles Mcmillan Davis III
Alexandra Elizabeth DiGiacomo

Kevin Paul Durso
Meredith Janelle Grady
Brittany Hoffman
Nathan Devane Howell
Adam Ellison Keene
Benjamin James Kornegay
Lauren Kelly Parker
Charles William Sanders II
Jordan Brooks Siminitz
Erin R. Squier
Tanner Massengill Stanfield
Allison G. Stewart
Matthew James Stillwell
Matthew Thomas Supple
Kelley Curtis Taylor
Christian Daniel Vose
Stephanie L. Wage

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Kelly J. Cox
Sarah M. Fellows
Amelia J. Forbes
Erin Elizabeth Lineberger
Anna E. Myers
Lauren Ali Norris
Aaron Bradley Parsons
Natalie Alexandra Ross
Jamie M. Vincent

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Stacy Kathleen Supak

Master of Parks, Recreation and Tourism Management
Amy Lea Boswell
Elizabeth Anne Burrill
Heather Nicole Christian
Gregory James Dame
Laura Kristen Eubanks
Shamika L. Key
Phillip Trevor Lewis
Joy Melinda Logan
Praline Michelle McCormack
Quentin Moore
Rachael L. Older
Raymond Kevin Phile
Amber L. Smith
Melanie S. Stradling
Cynthia Baker Wight
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Rahul Ashok Bhosle
John Gray Cobb III
Kelly De Wayne Fritz
William Fraser Hardiman
John Lloyd

Geoffrey Alexander Lyons
Timothy Grant Shortley
Chang-Heng Yang
Andrew Francis Bartley
Ramana Prasad V. Boyina
Christopher Daniel Carter
Ali Ihsan Durmaz
Dorianne Fay Dysart
Olushayo Simbiat Eruja
Marcelle Wesley Malone
Anju Singh
John Wall
Andrew Charles Whitacre

Bachelor of Science in Parks, Recreation and Tourism Management
Katelyn Maas Bugger
Matthew Thomas Borden
Kristen Elizabeth Bowman
Henry Phillip Buckholz
Shannon Michelle Crawford
Clifton Alden Early
Shaun McRay Fisher
Brian Jeffrey Grose
Daniel Paul Hale
Phillip R. Hardy
Marifrances Leigh Henley
Claire Elizabeth Hill
Michael Thomas Holder, Jr.
Kevin Anthony Holmes
Parker Steven Johnson
Kristen Ann Keane
Taylor Lane Loaces
Marc Mahan
Preston Taylor Mccomas
Federico Eduardo Mibelli
Jordan A. Monk
Kristopher Colt Morton
Ian S. Pearce
Charles Harmon Phillips
Stefanie Leigh Rapp
Elizabeth Anne Robson
Hilary C. Schofield
AnnKate Sledd
Caleb Wesley Tench
Thomas Lee Tyndall
Britney Latoya Veale
Wei-Ming Wang
Scott Douglas Wood II
Douglas G. Wright
Matthew Thomas Wyker

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Shamika L. Key
Phillip Trevor Lewis
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Praline Michelle McCormack
Quentin Moore
Rachael L. Older
Raymond Kevin Phile
Amber L. Smith
Melanie S. Stradling
Cynthia Baker Wight
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Mason Blaine Gregg
Carl Brian Holstein, Jr.
Alexander Kowalski
Stephen Julian Limpach
Thomas John Paulino

Bachelor of Science in Sport Management
Nathan T. Abraham
Graham David Baillargeon
Alexander Ryan Bennett
Aaron Robert Bessey
Victor Antonia Blount
Joseph Stuart Bright
Ethan Zachary Brooks

Gaites Philip Brown
John Thomas Bunch
Randall Clayton Cooper
Amanda Jean Dinkel
Matthew Phillip Everhart
Paul M. Friedlander
Matthew Ray Garcia
Jonathan David Gatlin
Alexander T. Hurdle
Katherine Jean Keith
David W. Lewis
Andrew Benjamin Linhart
Chad Dalton Linville
Tabatha Rae Lyons
Ryan Robert Maclatchie
Marisa Renee Madia
Samantha Aimee Marshall
Brian Christopher McConnell
Allison Marie Morgan
Christopher Adam Mullenex
Wyndham Wyatt Phipps
Winson Phoumsavath
Meagan Leigh Proper
Lindsee Anai Ratliff - Bowers
Morgan Tanner Smith
Patrick B. Stephenson
William H. Stephenson
Luke Christopher Tompkins
Danielle E. Vinson
William J. Vita
James N. Washington III
Ryan Alec Wilkins
Justin Randolph Willis
Hannah Moore Willoughby
Erin Elizabeth Wright
Sarah Arden Zemonek

SENIOR CLASS PHOTOS



NR 400



PRT 458



PSE 465

SENIOR QUOTES:

"NC State and the College of Natural Resources has been everything that I asked for, and could have ever dreamed of in a college. The ability to gain valuable experience and education with my Wolfpack family is something that will benefit me in all facets of life. **I wouldn't trade the past four years of college for the world.**"

Patrick Stephenson
Sport Management

"Thanks to CNR I've been able to integrate myself in a friendly, professional community as well as succeed and accomplish my goals as an individual. **I am glad to have met all of the people I have** and to have made connections that I can maintain long after I graduate. Thank you, CNR!"

Melana Horton
Natural Resources

"Coming in as a freshman in Forest Management, I honestly was not sure what to expect. Now, after spending four years here, I would tell anyone considering majoring in Forestry in the College of Natural Resources that they are making a great decision! During my time here **I have had great guidance from my professors and peers.** The faculty at CNR were always willing to help me whenever I had a question. I have been able to make many connections with forestry professionals and alumni. I know that I have received a great education from this college, and I am confident that the Department of Forestry and Environmental Resources has prepared me for whatever comes my way in the forestry profession!"

Austin Heine
Forestry Management

SENIOR QUOTES:

"After having looked into what seemed like every major on campus, I finally found Environmental Technology and Management and decided to stick with it. Although it didn't take much to fall in love with my major, **the people I have come to know over the years from NC State and the College of Natural Resources have made my experience here that much better.** I am truly going to miss my time here at NC State, but I look forward to seeing where the road takes us!"

Allegra Wiesler
Environmental Technology & Management

"The faculty and staff here in CNR have not only provided me a top-notch education, but ample opportunities to get involved with multiple research projects, leadership positions and presentations at different regional conventions. All of these experiences have helped me decide to further my education here in CNR as a master's student. **I am forever grateful to all of my fellow students, friends, and CNR family who have inspired and encouraged me over the past few years.**"

Matt Whitlow
Parks, Recreation & Tourism Management

"CNR is very multidimensional. **The programs develop us in a wide variety of ways and nurture us every step of the way.**"

Ashley Massey
Paper Science & Engineering

"They took me under their wing and encouraged me during the challenging times. Nurtured me during the difficult times. Laughed during the fun times. And inspired me every time. **I may say farewell to the classroom but the CNR community will always be my family.**"

David Gamble
PGA Golf Management & Parks, Recreation & Tourism Management



PRT 466



WPS 441



PRT 413

*NOT ALL SENIORS PICTURED



NC STATE UNIVERSITY
College of Natural Resources

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