

# **Dedication**

Dr. Carol Love, the Associate Dean of Academic Affairs, will retire August 1, 2002. Dr. Love began her career at NC State University in 1977 as a graduate student and research assistant in the Department of Recreation Resources Administration. Dr. Love earned her B.S. degree in Health and Physical Education at Shaw University in 1968, her M.S. degree in Recreation Resources Administration in the School of Forestry at NC State University in 1978, and her Ph.D. in Community Psychology from the College of Education and Psychology at NC State University in 1985. She served as an Associate Professor in the Recreation Resources Administration Department, now the Department of Parks, Recreation and Tourism Management, from 1985 to the present. She was appointed as the Associate Dean of Academic Affairs in the College of Forest Resources, now the College of Natural

Dr. Carol S. Love

Dr. Love has her own unique way of thinking. She is a holistic thinker who believes that all things are connected and all cultures are significant. She has created a Teaching/Advising/Learning Paradigm involving three eggs that represent: a balanced life that hatches a caring, creative, consistent, and competent disposition. This paradigm represents the great diversity and accomplishment that Dr. Love has come through in her career. Her ideals can be applied to each of us in our daily lives; there is a great deal to be learned from this holistic way of thinking.

Beyond academia, Dr. Love has accomplished a great deal in life. In 1994, her book entitled <u>Leisure and Aging: A Theoretical and Practical Guide</u> was published. She also wrote <u>Introduction to Parks. Recreation, and Tourism Management</u>, which was published in 1999. She has been a Girl Scout Leader, a Sunday school

teacher, a member of the Wake County Park and Recreation Commission for 17 years, chair of the Citizen Board Division of the North Carolina Recreation and Park Society, consulted for the Air Force, and assisted in the development and coordination of educational and cultural exchanges between North Carolina State University and three universities in Ghana. Dr. Love is global in her dedication to the development and promotion education. She was at one point in her career recognized for both "Outstanding Teacher" and excellent advising here at NCSU.

Last, but definitely not least, Dr. Love is a great asset to the College of Natural Resources that we all will miss greatly. She is devoted to her position of leadership and is a strong role model to many students in the college. She is the kind of person, who despite the many duties of her daily



work schedule will take the time to greet the students in the hallway and pass on a friendly smile. No matter how many piles she has on her desk, if you need to talk she is always willing to get up and sit down by the window and listen to what you have to say. Dr. Love is the kind of faculty that her students look up to and aspire to reach similar career goals. We will miss her greatly and remember her with positive memories for years to come. Good-luck in your retirement Dr. Love: we hope that you take the time to enjoy your accomplishments, look back and see your career as a great contribution to the community, and get to relax and enjoy the prime of your life.



## Dean's Perspective

Larry Nielsen, Dean

Last year, Dean Tombaugh wrote in this space that it was great to be the first dean of the newly named College of Natural Resources. How much things change, and how much they stay the same! Because now I am equally pleased to write as the second dean of the College of Natural Resources, only one year later.

People regularly ask me how I like it here, after an academic journey that has taken me through the University of Illinois, Missouri, Cornell, Virginia Tech, and Penn State. My answer is always the same—I like it spectacularly! And because you might not have seen as many other places as closely as I have, let me use my "perspective" to explain why your Colleer of Natural Resources is so soeical.



First, of course, is that your college is part of North Carolina State University. What a fine place to live and learn! NC State offers all that one could hope for in a university—the bigtime atmosphere of a leading university, joined with the comfortable feel of a place you can get to know intimately; a land-grant tradition focusing on natural resources, placed in the middle of a vibrant urban community, a commitment to the latest and greatest, but with a connection to the past and to the people. Make no mistake—NC State is leading the world to be a better place.

Second, your college is among the finest colleges of its kind anywhere in the world. Many of us (especially mel) will argue that we are the best in the world. Through programs in park management, pine genetics and nutrition, pulp-and-paper manufacturing and many others, people across the world know and love your college. Go anywhere wearing an NC State hat and you'll find a welcoming smile—and probably an alumnus of your college.

Third, and forgetting all that big-time reputation propaganda, your college is home to some of the finest and most dedicated teachers and workers on earth. No need to tell you this, however, because you've experienced it on a daily basis. In my first year here, I've been impressed every day with the connection between faculty and students—I've never seen anything to compare with it anywhere else. From A to Z (from Abt to Zobel, that is), and from office assistant to distinguished professor, each one is here for you.

Fourth, just look around. Your fellow students are special. They come from across the state and around the world because they love natural resources and the benefits that derive from them. You'll never meet a more committed and focused set of students and professionals. And you better like them, because the chance is very high that you'll be working alongside these same folks your whole career. Nice thought, isn't it?

These are the reasons I came here—these and the pig pickin'—and they are the reasons why each day of my first year has been special for me. I'm sure that these are also some of the reasons why your time here also has been special. I wish each of you in the 2002 graduating class the best for your life and career, and always remember that this is your college, no matter where you go and what you do.



# Peer Mentors: Making A Difference in 2001-2002

Carolyn S. Love, Ph.D., Associate Dean for Academic Affairs

The CNR Peer Mentor Program needs a few good female and male undergraduate students to sustain the momentum that has been gained with this new effort. Mentors are generally

believed to be wise and trusted counselors or teachers. A peer is defined as one who has equal standing with another or others, as in rank, class, or age. The Peer Mentor Program in the





College of Natural Resources recruited undergraduates that were recommended by their curriculum coordinators. Each student was interviewed by Academic Affairs Staff. In addition to the program goal and objectives discussed below, each candidate was told of expectations to become trusted student counselors and teachers by precept and example. Peer mentors are paid ten dollars per hour for training sessions, personal contacts, and general sessions. Some training sessions occurred during the summer that involved partnering with the University Counseling Center. Other sessions were scheduled on during the first week of the month. On average, they earned one thousand dollars per semester. Each peer mentor received a notebook with materials about the College, departments, and campus resources that can assistant students in achieving success. In addition, each was given two books Advisor, Teacher, Role Model, Friend: On Being a Mentor to Students in Science and Engineering and Making College Count: A Real World Look at How to Succeed In and After College by Patrick S. O'Brien, Another reference was available in the Academic Affairs Office, What Matters in College, Four Critical Years Re-Visited, by Alexander W. Astin. After completing their training, peer mentors sent email: CNR notes cards. University post card and letters to their mentees during the summer. A few peer mentors participated in new student orientation. These and other efforts helped to persuade many students to attend NC State. Many applicants were admitted to more than one University. In addition to scholarship offers and facilities, mothers, fathers and potential students were influenced by personal interactions. New Student Orientation

participants scored CNR high with regards to advising, friendliness, and helpfulness. The Peer Mentor Program helped in the development of this perception.

A primary goal of the Office of Academic Affairs is student success. In this program, successful students are those first year mentees who are comfortable with their program of study and earned passing grades during their first semester at NC State. I am pleased to report that of the 104 new students that were assigned peer mentors, most of them have acceptable grades. Many of them (35.5 %) had GPA's at 3.0 or better. Only sixteen (15.3 %) earned less than a 2.0 GPA during their first semester. For this small group, peer mentors have encouraged them to accept help from the CNR free tutoring program. Letters were sent inviting them to make an appointment to explore with me the additional resources that are available to help them become successful students.

The Peer Mentor Program is an important link that will continue to help our first year CNR students succeed in their academic programs as well as in their personal and professional developmental. Benefits of participation in the Peer Mentoring Program include:

- · Enhanced study skills
- Improved time management skills
   Knowledge of all academic support
- services
   Improved problem solving skills, both
- academic and personal

   Early access to academic career path
- Advice on developing effective interactions with faculty, staff and administrations
- Social integration into the institution

#### Objectives of the program are:

- · Retention
- · Reduced time to graduation
- Creating a sense of community among first year students
- Developing a sound relationship between first year students and their peer mentors that contribute to their success





Peer mentors were assigned mentees in their academic departments. Informal individual contact between mentors and mentees occurs twice per month. Individual contact is a two-way responsibility between mentors and mentees. These contacts consist of coffee breaks, lunch meetings, and email or telephone calls. Formal contact is maintained once each month in general sessions where topics of interest are discussed. CNR faculty, staff, and/or students, personnel from the University Counseling Center, or leaders of student

organizations facilitate these gatherings. Notebooks were prepared for mentees, which contained College and curriculum materials, student handbook, and a book, Making College Count: A Real World Look at How to Succeed In and After College by Patrick S. O'Brien. The most important aspect of this program is the one on one personal interaction. It is my sincere hope that this program will continue and gain momentum over the years. Realizing this is my last article for the Pinetum, I bid you farewell, Cod Bless!











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# CNR MANRRS Chapter

MANRRS is a national society that promotes and fosters the involvement of minorities in natural resources, agriculture and related sciences, and is made up of a national office with chapters established at various colleges and universities throughout the United States. Individual chapter activities and the annual national conference are designed to develop a partnership between minority students in agriculture and natural resources and professionals from academic institutions, government agencies and industry by promoting professional development, networking, and career placement in a nurturing environment.

Membership is open to people of all racial and ethnic backgrounds who support the objective of full ethnic group participation and achievement in agricultural, natural resources and related science careers. Current membership is made up of over 1,200 undergraduate students, graduate students and professionals in 50 chapters and includes men and women of African American, Hispanic American, Asian American, Native American and European American backgrounds. Honorary and Supporting Memberships are bestowed on individuals, corporations, institutions and agencies that have made significant contributions toward the support of MANRRS.

MANRRS held its 17th Annual National Career Fair and Training Conference on April 4-6, 2002 in Portland, Oregon. The conference theme was Developing One Nation: Bringing Together Culture, Diversity, and Technology, Approximately 900 students and professionals (including 3 students and I adviser from CNR) attended and participated in a variety of professional development workshops, educational sessions, and receptions. Highlights of the 2002 conference included a career fair, the High School Symposium, a workshop on Trends in Computer Applications in Forest Land Management and Agriculture, visiting the Oregon Museum of Science and Industry, and the keynote address by the USDA Forest Service Chief Dale N. Bossyorth

The CNR Chapter members have participated in community clean up campaigns, provided Thanksgiving and Christmas dinners for a family of eight whose name was received from Wake County Social Services, and helped to acclimate National Exchange students to NC State. Several are CNR Peer Mentors and often serve as ambassadors for groups visiting our campus, Students from the CALS and CVM are also members of the CNR Chapter. We invite you to join us!

## College of Natural Resources Council

John Patteson, President College of Natural Resources Council

This year has been a great success for the council; we have seen the addition of a new club to the council with the Leopold Wildlife Club. The participate for the activities has been outstanding with a full house at this years Etiquette Dinner held in Talley Student Center.

The Etiquette Dinner allowed students from all of the disciplines in the college to come together, enjoy an excellent meal, learn proper Etiquette, and meet many of the other students in the college. The council is proud to say that it was able to support many of the clubs in the college with their endeavors for the year.

The election of new officers in the fall has brought on many new ideas and has been working on giving the council direction for the future, the officers include:

President - John Patteson Vice President - Kelley Mandracchia Secretary - Anna Kroyer

Treasurer – Andrew Kerins Club Representatives:

Student Government – Jonathan Ducote TAPPI/PIMA – Julie Cheng

Rho Phi Lambda – Andrew Kearins Forestry Club – Anna Krover

SRA – Fletcher Womble FPS – Ben Wagoner & Maurice Deaver

FPS – Ben Wagoner & Maurice Deave Leopold Wildlife Club – Randy Cass

With the continued support of the students and faculty the CNR Council will continue to be successful and grow in the future.





## **Foundations At Work For Students**

Ben Chilton
Executive Director for the Pulp and Paper Foundation
and North Carolina Forestry Foundation

The College of Natural Resources has two foundations working to provide support for the activities in this college. The Pulp and Paper Foundation provides support for the Paper Science program. This is probably the only foundation on campus that provides support to a particular department. The N. C. Forestry Foundation, the oldest college foundation at NC State, provides support for the remainder of the college. Both have the key objective of providing financial support to this College. Other foundation objectives are to encourage industry connections so that our students have permanent, co-op, and summer employment; and industry donated modern laboratory equipment for teaching and research.

Public support for our college does not begin to provide the margins of excellence that we feel our students need. Those

additional funds come from private sources that the foundations and our faculty efforts encourage. Students often think scholarships come from the University budget. Most come from private donors in the form of endowments in the foundations.

Much of the success of our two foundations is credited to the good work of our college alumni. They feel a need to give back to their college in terms of both time and resources. The current presidents of both foundations are college alumni. They represent two large corporations: Boise Cascade and International Paper, two of our large supporters and employers. Our students today become our donors and foundation leaders tomorrow.





# DEPARTMENT OF FORESTRY









professional education integrating natural resources, management, and technology



## **FORESTRY**

#### Fred Cubbage, Department Head

The Department of Forestry had a very successful 2001. We had a total enrollment of 253 undergraduate students and 110

graduate students in Fall of 2001. Undergraduate enrollment included 144 students in Forest Management, 45 in Natural Resources, 45 in Fisheries and Wildlife Science, and 19 in Environmental Sciences/Watershed Hydrology, Graduate student enrollment included about 38 students in the Master of Science program, 23 in the Master of Natural Resources, 2 in the Master of Wildlife Biology, and 45 in the Ph.D. program. We also submitted a new curriculum in Environmental Technology for university approval, and started teachine classes for it in Fall 2001.

The undergraduate forestry and natural resources students had an active year for clubs and events. In Spring 2001, the Forestry Club, advised by Joe Roise, placed third in the annual Southern Forestry Conclave. The student chapter of the Society of American Foresters sent about 22 students to the Annual Convention of the Society of American Foresters in Denver, Colorado, as well as several graduate students went as well. Those students went a backpacking trip through the Rocky Mountain Park Wilderness area on September 9-13, led by Joe Roise and our new Professor Toddi Steelman. Most of the Convention was of course canceled due to the terrorist attack on September 11, so the students and advisors spent much of the week attending the very few convention activities, but did return back to Raleigh on time. The Natural Resources Student Chapter of the National Association of Environmental Professionals, advised by Gary Blank, had several guest speakers at their monthly meetings.

The College Forests in the Piedmont finished a joint project on forest certification along with the Division of Forest Resources state forest lands and those of Duke University School of the Environment. We underwent parallel certification assessments from the AF&PA Sustainable Forestry Initiative (SFI) approach and the Forest Stewardship Council (FSC). These efforts were led by Susan Moore of the Forestry Educational Outreach Program (FEOP) and Larry Jervis, Manager of the College Forests. Under SFI we had several non-conformances that we needed to correct to meet the certification standards, which were then inspected again in a remedy audit. We met FSC standards in the initial inspection, but they required a number of conditions for receiving certification and improving management in the future. We now are accepted as certified with both of these organizations, and will continue to enhance our forest management in the future as part of our ongoing improvement process.

In the last year, we also have had a number of faculty retirements and hires. Art Cooper, Larry Jervis, and Bill Gardner retired and Ben Bergman resigned. We hired Toddi Steelman as Assistant Professor in Resource Policy, Joe Cox as Lecturer and Manager of the College Forests, Terry Litzenberger as a Lecturer in Environmental Technology, and Bronson Bullock in Forest Biometrics. Robert Bruck from Plant Pathology was converted to half-time appointment in Environmental Technology in the Department of Forestry. Of course, we also have a new dean, Larry Nielsen, who replaced Larry Tombaugh. Both he and Steve Jones, our new NCSU Vice Chancellor for Outreach and Engagement, hold their academic appointments in the Department of Forestry.





# Forest Managers





Hello from the Piedmont College Forests!

My name is Joe Cox and I assumed the School Forest Manager's position in November 2001. My Forestry career started at



State with a BS in Forestry in 1978, followed with a MS in Forestry in 1982. Over the last 22 plus years, I worked for Champion International Corporation in several states in the Southeast. My career covered the gamut of Forestry work from growing seedlings, to land management to procurement to research and development.

During my tenure with Champion, my thoughts were never far from the NCSU College Forests. When I saw the advertisement for the College Forest Manager position, I could not believe my eyes. Larry Jervis must be retiring! Larry Jervis — that icon of a forester, who taught almost three generations of Foresters! My memories of Larry Jervis at Summer Camp came rushing back — the flat top that never went flat — even when our site prep burn went out of control, and the dispenser of wisdom with a dry sense of humor. I applied for the job and much to my honor and delight, was chose to fill this very important position.

Larry's legacy is reflected in two sources – on the school forests he managed and in the foresters he trained over the years. Larry's influence on the profession of forestry, through the people he trained, is as far-reaching as anyone I have known. Larry, thank you for three plus decades of dedication and service to the College.

Currently, Jimmy Dodson, and I are the full-time staff that manage the Piedmont Forests. Jimmy received a Forest Management and a Wildlife degree here at State in 2001. Jimmy's experience on the work crews and internships with The Timber Company bring a lot of talent to the College Forests. Together, I feel that our expertise and willingness to get the job done are enough to tackle any task.

Our short-term challenge is to get ready for our first Summer Camp and our first timber sale. Our long-term challenge is to train natural resource professionals while managing the College Forests in a sustainable manner.

To everyone in the NC State Family, please consider the College Forests yours to enjoy, Jimmy and I want you to know that you have a standing invitation to visit us, either on the Forests or in the office at Biltmore Hall.

# FOREST CERTIFICATION PROCESS

Steve Daniels

In the fall of 2001, I had the unique pleasure of temporarily filling the forest manager position following the retirement of Larry Jervis. To say I filled the position is technically true, though I know fully well I did not fill the shoes of the one so many of us learned so much from. In addition to silviculture and work experience, we gained a good attitude toward the work of forestry, and, a good work ethic. I am grateful for the opportunity to have worked with Mr. Jervis over the years, and to work on the forests again during the transition.

I was asked to supervise work crews, to implement the forest management plans. and to help prepare the Piedmont forests (Hill, Goodwin, Schenck, Hope Valley, and Hosley) for the forest certification process. Forest certification arose out of a demand for third party audits of forest management operations. These assessments are intended to determine and document whether or not a management operation is conducted in a manner that is sustainable, complies with all laws and regulations, and meets currently accepted practice standards. The demand for these assessments has come from environmental groups, lumber retailers, the public, and those within industry that hope some form of selfregulating will prevent further legislative regulating.

The NCSU Department of Forestry, along with the Duke Forest and the NC Forest Service all participated in the audit process on their respective lands. In addition to participating in the

certification process, these entities evaluated the certification process itself. This reverse assessment allows the Universities and the Forest Service to be positioned to advise forest landowners as to which certification process, if any, may be appropriate for them.

The Department participated in both the Sustainable Forestry Initiative (SFI) the Forest Stewardship Council (FSC) certification process. Differences between these two are vast and substantial and are too numerous to detail here. In brief, the SFI process is geared towards industrial operations, and the FSC process is designed for use in developing countries where social cultural and international issues are considered. I worked primarily on preparing for the SFI audit. SFI requires strict adherence to a set of explicit standards. These standards cover water quality, soil protection, worker protection (general safety, pesticide use, etc.). utilization of harvested trees, visual concerns, and wildlife habitat protection and management. The SFI standards are fairly objective, which should ensure that separate teams of auditors can apply the standards to a given operation and replicate each others conclusions. This is obviously important in a financial audit. and is hardly less so here.

The departments' forests had been well managed for years, and it was apparent that the operation has been and can be expected to be sustainable into the indefinite future. Sustainability was never in question. In order to meet SFI's standards, however, some informal

processes that had been in place for years had to be formalized and documented. These main areas were:

- mapping and protecting streamside management zones,
- documenting annual growth,
  - regularly monitoring and maintaining the road system,
- formalizing the utilization policy,
- addressing visual impacts of harvest operations,
- implementing pesticide worker protection training, and
- conducting general safety training.

The SFI auditors want to be convinced that a "system" exists that would help ensure all steps were completed in a management operation and were completed in a way that met all regulations and standards. The system would need to be sufficient not only for planning and documenting activities, but would need to be able to identify and address problems that might occur. In a harvesting operation for example, the system would need to identify objectives, explain how the objectives would be carried out, and identify water, soil, road. and wildlife concerns. Strict specifications would be implemented to ensure that harvested trees were utilized as fully as possible. Additionally, the system would ensure that problems such erosion on a logging road, wash around a culvert, or spilled chemicals would be addressed. These standards and the supporting documentation help, and in fact force, the forest manager to consider the many and varied issues that influence and are influenced by forest management activities

In the fall I worked with Jimmy Dodson, Fred Cubbage, Joe Cox, and the Forest Management Committee to prepare for the certification audits. Much of my work involved identifying jurisdictional streams and mapping them. Candidate streams were identified on soils maps and on topographic maps then inspected on the ground with work crew students. They were mapped with GPS units. Those adjacent to a planned timber sale were surrounded with streamside management zones and marked on the ground. Road and culvert needs were assessed with Jimmy, who ably handled the road work along with work rewe students, Jimmy worked with a wildlife biologist to determine seeding mixes beneficial to determine seeding mixes beneficial to wildlife that could be use in stabilizing log decks and skid trails. Inventory specifications and contract procedures were reviewed and recommendations were made. Safety, pesticide, and Best Management Practices training sessions were held and materials were developed to be used in future sessions.

In December the audit team interviewed the forest managers, primarily Jimmy and Joe, and reviewed documents developed in the previous 4-6 months. Documents included management plans, maps, quarterly inspection forms, training certificates, and other evidence that would indicate that a sufficient system existed. After the review, the team concluded that the operation did meet the SFI standard and would be certified. This accomplishment represents the work of many faculty and students. The students involved in work crew gained valuable experience and exposure to the industry audit process they will certainly encounter following graduation. Periodic audits in the future will seek to verify that the forests continue to be managed in a way consistent with the standard and are continuously improving.

While the audit systems vary from SFI to SSC, and to numerous other protocols, the overall idea of a system, with its checks and balances, oversights, and its documentation process, is a valuable one. The system helps ensure that competing values are considered, laws are followed, safety procedures are implemented, and contingencies are prepared for. Those unacquainted with the audit process would do well to consider it.

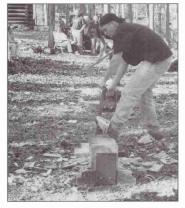


# Xi Sigma Pi Forestry Honor Society

Edwin J. Alston, IV	Undergraduate
Brandon W. Bray	Undergraduate
Benjamin Brazell	Undergraduate
Daniel J. Cash	Undergraduate
Randy Dale Cass	Undergraduate
Kirsteen M. Cassingham	Graduate
Jara. Miguel Cifuentes	Graduate
Nicholas L. Garner	Undergraduate
Robert M. Jetton	Graduate
David Godfrey Jones	Undergraduate
Cynthia Bell Karoly	Graduate
Frank H. Koch, Jr	Graduate
Moniqua S. LaPerrier	Undergraduate
Maridely M. Loyselle	Undergraduate
Steven E. McKeand	Faculty
Jeffrey T. Moffatt	Undergraduate
Angela D. Moreland	Graduate
Dustin Scott Mountcaslte	Graduate
Okan Pala	Graduate
A. Jess Parton	Undergraduate
Jason A. Payne	Graduate
Grant Pilkay	Undergraduate
Richard Duncan Quinn	Graduate
Brian Jeffrey Reich	Undergraduate
Jamie L. Schuler	Graduate
Joshua R. Sherrill	Undergraduate
Donald E. Stallings	Graduate
Joshua Michael Whitfield	Undergraduate
Anna Noelle Williamson	Undergraduate
Lisa M. Wilson	Undergraduate
Megan Daniel Winfield	Undergraduate
D. Mack Young, Jr	Undergraduate









# Forestry Club

The Forestry Club has seen more participation this year than in the past three years that I have been a part of it. We currently have about 70 members on our roster, a lot of which are very active. For the first time ever we will be working with the North Carolina Forestry Association to host the Pro Logger program for the club and anyone else who would like to take part in this program. We have participated in alot of fundraisers this year such as: a golf tournament (special thanks to Roger Lynch), tee shirt and hat sales, woodsman's competitions, and a spectacular buck contest. All of these fundraisers have been very successful. We will be holding the buck contest again next year with excellent prices to give away. We would like to see more participation in the buck contest, so we plan to have this contest in conjunction with the Leopold Wildlife Club. Everyone be sure to buy a ticket next year. Our success at three previous woodsmen's competitions in the fall of this year also brought in a lot of money to the club.

We have been working on a new practice site for the woodsmen's team out at Schenck Forest. We built a building to store all of our equipment. The practice site is located in the seed orchard on the left side of the main road going through the forest. Everyone is welcome and encouraged to come out to watch and support our team. We usually practice on Wednesday and Friday afternoons at about 3:30. Our team is currently preparing for our biggest completion of the year, Conclave. Texas A&M University is hosting the competition this year on March the 14th-16th. For the past three years we have finished third place, but we have practiced a lot more this year and I think we have a great shot at winning it all. We will be leaving for Texas on March the 9th and will be making a pit stop at the Gulf Shore in Alabama. From there we are going to stop in New Orleans for at least one night before proceeding on to Texas. I think this will be a wonderful trip for our club.

Thanks to all of the officers and club members for making this one of the best years ever!

President: John Wayne Hardison, Jr. Vice President: Andy Herman Secretary: Laura Hayes and Chad Tharrington Treasurer: Tim Gardner

Sgt. in Arms: Tim Howell

## Rolleo

Once again this year we hosted Rolleo, our own competition. Everything went very well, except that the juniors won the competition. This is not supposed to happen, but they worked hard at practice, and it was well deserved. We had a new team to participate in Rolleo this year, the Graduate Students. I would like to thank everyone who helped out and came to the contest to show their support. Attendance by faculty and alumni has been down for the past couple of years. I would like to encourage all of you to go next year; I guarantee you will have a great time.













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# FORESTRY CONCLAVE

The NCSU Forestry Club had it's best performance in over twentry years at the 45th ASFC Conclave held at Camp Tyler, Texas and hosted by Texas A&M Forestry Club. Out of 14 Universities, which fielded teams, we place 1st in Technical Events, 2nd in Physical Events and 2nd overall. Performances to remember are:



1st place in Timber Estimation by Roger Lynch

1st place in Pole Classification by Andrew Herman

1st place in Photogrametry by Tim Gardner

2nd place in Wood Technology by lamie Lytton

3rd place in DBH Estimation by Doug Hightower

1st place in Men's Bow Saw by Chris Moss

1st place in Speed Chop by John Wayne Hardison

2nd place in Pole Felling by Jody Andrews

2nd place in Women's Bow Saw by Laura Hayes

2nd place in Log Rolling by John Wayne Hardison and Andrew Herman

2nd place in Men's X-Cut by Jamie Lytton and Michael Gaillard

3rd place in Jack and Jill X-cut by Sally Thorpe and Jamie Lytton

3rd place in Women's X-cut by Sally Thorpe and Stephanie















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# FORESTRY SUMMER CAMP

Elizabeth Lee





So many memories - I know I am not the only one who would have a hard time documenting our many adventures, fun times, and, oh yeah- all the work! Our group consisted of about 20 foresters and 20 wildlifers- all very different and interesting people. For myself, as a transfer student, I was glad to get to know this small group of people before beginning all over again at a new college. Fortunately, I can say that my classmates as well as our professors are incredible people, and I am very happy with the friendships I have made and all the memories.

As much as we love Steve Daniels, it is very unfortunate that he had to teach such a grueling subject. For the first four weeks, mensuration class consisted of hours of lecture; it was like recess when we did go outdoors for a break or to complete an exercise. But those durned computers AND their Excel worksheets! If only our professors were paid by how many times we threatened to throw those machines off the classroom balcomy!

Silviculture week was also a very demanding course. But all the lin-depth papers and tests were forgotten in moments when we giggled like grade-school children every time we discussed the dreaded butt-swell and rot. Dr. Braham's forest communities class was yet another challenging course. Surviving the plant ID quizzes was tough, but we were rewarded with "water-quality tests" at the beach and several times in the mountains.



Of course we will never forget Wildlife week, and our invigorating early morning walks with Brent and Beverly at 5 a.m., listening for the red-rumped baby-snatcher and other such wild birds. Then Fire week was back to Kinston. Ah—air-conditioning... This week was another incredible experience- especially with Bill Miller, et. al., of the Forest Service, and their unbelievable wildfire stories and catastrophes. We even provided some entertainment for them when we were put to work on the wildfire simulator exercise!

Some additional tricks of the trade I have learned at Forestry summer camp include the ability to search and destroy the many tiny ticks that invaded my personal space, memorizing odd phrases in order to remember bird calls and scientific plant names (I know you guys will never miss <u>Verbascum thapsis</u> on a quiz again!), and of course the art of pool when dealing with the Slocum-factor. I even learned that it is incredibly hard to finish a gallon of milk (or soy milk for that matter) in less than an hour, but you can chase an earthworm with a drink or put stitches in your toe with fishing wire. Beaufort County.

Altogether, I loved summer camp (I believe that is why I was asked to write this) and even desire going back to be a teacher's assistant. They tell you that the program will help you determine if you are in the right field- so if you haven't tried it and made your decision yet, then get out there and have some fun!







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# FORESTRY SUMMER CAMP











# FORESTRY SUMMER CAMP







# SOCIETY OF AMERICAN FORESTERS STUDENT CHAPTER (SAF)

Jamie Lytton, Chair SAF





The Society of American Foresters Student Chapter (SAF) at NC State has been involved in several events in the 2001-2002 school year. The chapter is currently still a part of the Forestry Club and both help one another with issues of concern.

To begin with the SAF took an exciting trip out to Rocky Mountain National Park, in Colorado, for a weeklong wilderness hike. The hike was scheduled to take place prior to the SAF national conference that was to be held in Denver. The hike was a great experience for all who went. Many elk. blacktailed deer, moose, and other wildlife species were seen on the hike. All of the students learned a lot about one another as well. Because we were hiking and camping in a wilderness area no fires were allowed and everything you took in, was required to be taken out. The strangest thing that occurred on our trip was that we



were in the wilderness when the tragic events of September 11 took place. It was not until Thursday of that week that we were aware of what had

happened. As a result of September 11 the national convention was cancelled and we were stuck in Denver with a lot of free time. Everything turned out fine and we were able to return home as scheduled and unharmed. This trip was one that is not likely to leave the minds of its participants for a long time.

The Society of American Foresters Chapter at NCSU is set to co-host with Duke University: the National Convention for the Society of American Foresters, in this event the Southern Appalachian Wilderness Tour will conclude the three-day conference. Thee participants will include students from all over the country. Exploration of the diversity, ecology and management of Southern Appalachian Mountain wilderness areas will be the focus of the tour. This is a once in a lifetime chance for many of the students to experience the splendor of the Southern Appalachians at the peak of fall foliage.

Along with the tour NCSU will also be responsible for presenting the National Student Assembly program. During these proceeding each college represented by a Forestry academic program is acknowledged, this year plans to be exciting, as the title of the program will focus on "Forests at Work"

CHUCK DOLLISON, 2002-03 CHAIR

Currently the SAF is preparing for the national convention, which we will be co-hosting this year with Duke in Winston Salem, NC. Everyone is excited about the fact that NC State will be representing the whole nation at the convention and are looking forward to the challenge. Also, the SAF recently visited Duke to listen to a guest lecture by Bill Banzhaff, the executive vice president of the national chapter. The SAF at NC State has organized several speakers to come and talk to its members during the spring semester. This will prove to be a great learning experience as well as a break from the monotonous classroom lectures that everyone loves.

New officers were elected to serve for the 2002-2003 term and are as follows: Chair–Chuck Dollison, Vice Chair–Brandon Price, and Secretary–Chad Tharrington. The SAF is still growing and hopes to retain its current members and gain all that are interested in the organization.

# DEPARTMENT OF PARKS,

# RECREATION AND TOURISM MANAGEMENT







professional education in the management of people, activities, facilities and resources



# PARKS, RECREATION AND TOURISM MANAGEMENT

Phillip S. Rea, Department Head

### 50 Years of Leadership Development

The Department of Parks, Recreation and Tourism Management at NC State University has a rich history that our faculty and students continue to write through their many activities and accomplishments. To appreciate where we are today, it is interesting to view a snasshot of our history.

Our department was created in 1947 as Industrial and Rural Recreation to provide trained leaders to develop and manage recreation and park programs and services to citizens living in mill towns and rural communities where those services were not available. The first class graduated in 1952, meaning that our 2002 graduating class will celebrate 50 years of producing leaders for the recreation, park and leisure services fields. Originally located in the College of Education, the department moved to the School of Forest Resources, now known as the College of Natural Resources, in 1966, and shortly thereafter a masters degree was developed, and NC State gradually became recognized as a national leader in the education of park, recreation and leisure service professionals. That recognition was enriched by NC State becoming the first recreation and park curriculum to receive national accreditation in 1978.

In 1987, the Department was awarded a contract by the North Carolina Department of Natural Resources to provide technical assistance to park and recreation providers across the state. Today, that program, the Recreation Resources Service, is the largest technical assistance program in the United States. One important service provided by RRS is a webbased job listing that receives over 1000 "filts" per month.

In 2000, after many years of work by the faculty, NC State became one of 16 universities to offer a Ph.D. degree program to develop faculty and researchers for the recreation, park and leisure services field. Also in 2000, the Department developed a statewide program to encourage sustainable tourism development in its rural communities.

The Department's history continues to be written with the development of a new undergraduate degree in Professional Golf Management, one of 11 such programs endorsed by the Professional Golfers' Association of America (PGA), that is attacting students from across the country. That program will provide professional managers for the nation's 16,000 golf courses, each of which is a multimillion-dollar recreation business.

As the Department celebrates its 50th graduating class, every indication is that it is on sound footing with a bright future as demonstrated by demand by potential majors. Undergraduate enrollment has exceeded 300 for the first time in nearly 30 years while graduate enrollment ranges from 50 – 60 per year, making it one of the six largest graduate programs in the world. During the past year, the Department received requests for information about study opportunities from 280 potential students from 37 states and 30 countries, resulting in a 200% increase in applications for the coming fall semester. Included in the 2002 entering class are two students that have been selected for the highly presticious Park Scholarships.

While the demand for degrees in parks, recreation and tourism management continues to increase, we are even more proud of the accomplishments of our students and faculty. Examples include the selection of Kelly Jordan, a junior in the sports management concentration, as the recipient of the 2001 Undergraduate Achievement Award in the College of Natural Resources; and the selection of Barbara Sulik for the Fred Fletcher Outstanding Graduate Student Award presented by the North Carolina Recreators Foundation. In addition, Professor Kathy Hamilton Brown was selected as the Outstanding Teacher in the College of Natural Resources and Dr. Beth Wilson was selected as the College of Natural Resources nominee for the Board of Governors Alumni Outstanding

The ever-increasing demands placed on the Department through enrollment growth have resulted in many challenges including over crowded classes that impact faculty teaching and student learning. The Department is hiring two new faculty to address this challenge, and plans are underway to add a third wing of Jordan Hall that will include additional classrooms and labs.

Students and faculty alike have many reasons to be proud of the rich tradition of the Department of Parks. Recreation and Tourism Management, which is considered to be one of the ten best programs among over 300 similar programs at colleges and universities across the United States and Canada. It has been an honor for me to serve as department head of such a proud program for the past 15 years and I look forward to seeing our graduates achieve professional and personal success in the years to come.



# 2001-2002 Activities and Accomplishment

What an exciting year we have had! We have continued many of the programs Rho Phi Lambda has sponsored in the past, and have initiated some new initiatives. Our membership has grown, and the club is as active as it's ever been.

Fall semester, Rho Phi Lambda was involved with visiting the PRT 150 class, and kicking off the PRT Professional Speakers Series, which has continued into spring semester. Speakers from the parks and recreation profession shared their insights and offered suggestions for students getting ready to enter the profession.

Mid-way through fall semester, Rho members began assisting with preparations for the department's annual Job Fair. Held February 7, the Job Fair attracted 60 + agencies and hundred's of students. Graduate student Barb Sulik coordinated the event. Immediately following the Job Fair. Rho Phi Lambda hosted our fourth annual PRT Job Interview Session. Designed to give agencies the opportunity to interview students in a more focused environment, the

students to follow up on casual discussions from earlier in the day.

The Annual PRT Spring Banquet was held Wednesday, April 17 at the NC State University Club. Over 125 professionals, alumni and faculty, staff and students gathered to celebrate a successful academic year, to honor outstanding students and faculty, and to award the annual Lifetime Achievement Award. Dr. Carol Love, Associate Dean for the College of Natural Resources here at NC State University, and former faculty member of our department, was the keynote speaker.

With all the activities going on within the department, Rho Phi Lambda still managed to get in some fellowship (one of our tenets as a club). Our End of the Semester Celebration and Senior Send Off events have become a tradition we all enjoy. They are a great way to recognize the efforts of our senior members and welcome in new initiates. This fall, Rho Phi Lambda initiated seven new members. Just prior to the Spring Banquet, we inducted more new undergraduate students.

Rho Phi Lambda is a vital student organization. Scholarship, Leadership, and Service are the backbones of our club. But it's the dynamic personalities of the students involved in Rho Phi Lambda that give these "bones" life!

#### Fall 2001

President: Braden Halloway Vice President: Derek Green Secretary: Frank Brinkley Treasurer: Shannon Meador CNR Rep: Andrew Kerins Sgt. At arms: Elizabeth Jenkins

#### Spring 2002

President: Andrew Kerins Vice President: Shane Brown Secretary: Nikki Lesko Treasurer: Shannon Meador CNR Rep: Andrew Kerins / Fletcher Womble Sgt. At arms: Courtney Raper



Student Recreation Association has done
a bunch of fun things over the past year. We'll clue you in for a few of
the highlights. The rest you'll have to come to a meeting to find out. We created a
partnership with Yates Mill Pond to help get the new park open quicker. One entire Saturday
was spent mulching a trail along side the lake. SRA has enjoyed several speakers—one particularly
interesting was Ross's tails of his AT thru hike. SRA loves the occasional non-burnt hotdog on a
grill at Pullen Park. We look forward to learning from the master: Aram Attarian and his keen
skills in orienteering as well as learning to roll our kayaks in Carmichael pool in the Spring.
Due to Tommy Holden's leadership we have had an excellent year. Come join a
crazy bunch of soon to be Parks and Recreation Professionals!







### Showfest 2002

Annette Moore's PRT 491r class, Special Events Planning, had the great opportunity to attend Showfest 2002 at Sunset Beach, NC this past February, Showfest is the state conference for North Carolina Association for Festivals and Events (NCAF6E) and this year they joined with the South Carolina AF6E. The PRTM students that attended this two-





day event gained valuable knowledge on the subject of planning special events; from financing to scheduling to promotions and sponsors to decorations and food. Along with the wonderful chance for networking with professionals in the field of parks, recreation and tourism management, the students of PRT 49 Ir learned first hand what is needed to create, produce, and conduct a spectacular event or festival; balloons, buffets, music, a Mardi Gras theme, and don't forget free Bojangles' seasoning!



### **Colonial Williamsburg**

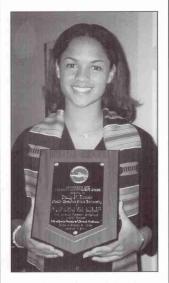
Beth Wilson's PRT 442 class, Recreation and Park Interpretive Services, took a class field trip to Colonial Williamsburg during the month of October. On this trip, the students learned about a variety of ways to interpret information to the public, character interpretation, third person interpretation, exhibits, visuals, audio, and much more. The students witnessed firsthand the steps taken to produce a believable presentation of information of colonial life in the seventeen hundreds. At Colonial Williamsburg, the students

were allowed to speak with the interpreters in character and out of character to better understand what their job entails; how they research for their character, and how they prepare for different audiences. The knowledge gained on this trip was later applied when the students of PRT 442 had to perform a twenty-minute presentation for the class on anything pertaining to history or the natural environment.

Congratulations to Courtney Pernell Rasmussen for tying the knot on December 15, 2001 with her honey-bunny Ryan. Yeal You'll Fun Striff!



# ACADEMIC ACHIEVEMENT AWARD



Kelly Nicole Jordan from Gambrills, MD is a Scholar Athlete who excels in soccer; is a university peer mentor; a tutor and a well-rounded student.

Kelly received the Academic Achievement Award at the annual Brotherhood Dinner in the Fall 2001 semester. Kelly is a rising senior in the Department of Parks, Recreation and Tourism Management.





# DEPARTMENT OF WOOD & PAPER SCIENCE







professional education focusing on science, engineering, and technology

## **WOOD AND PAPER SCIENCES**



Michael Kocurek, Department Head

#### WOOD PRODUCTS

#### Faculty

Dr. Hona Peszlen has joined the Wood Products faculty. She was formerly Professor Wood Sciences at the University of West Hungary, and is considered among the best Wood Anatomy scientists. She will be teaching the college's Wood Anatomy course. Her research focuses on wood for high value products. Hona replaced Dr. Elizabeth Wheeler who retired last year.

Myron Kelly received the NCSU Academy of Outstanding Teachers Award. Perry Peralta received the George Marra Award of Excellence from the Society of Wood Science and Technology. Dr. Bo Ksaal is on sabbatical at the University of Dresden in Germany conducting research on high performance timber structures. Larry Jahn received the 2000 Award for Excellence from the Southern Extension Forest Resources and the 2000 Service Leadership Award from the N.C. Cooperative Extension. Joe Denig received the 2001 Award for Excellence from the Southern Extension Forest Resources. Phil Mitchell received NC State University's Outstanding Service Award for 2001. Urs Buehlmann was selected as the best speaker at the Quebec, Canada Mill Optimization program.

#### Students

While enrollment at other institutions has declined, our new recruiting activities by faculty, industry, and our coordinator Lesley Grieco have maintained our enrollment and established key relationships with community colleges. Student activities are presented in the section on Forest Products Society activities.



#### Academic Program

As part of a Faculty/Industry/Alumni assessment of the Wood Products program, students can now match their interest to one of three curricular options.

- Manufacturing, wet emphasis on Industrial Engineering courses
- · Business Management and Marketing
- · Design your own, utilizing over 20 credits of elective

These academic programs will meet the needs of the Wood Products Industry. **Myron Kelly**, Undergraduate Coordinator, led this effort.

#### Distance Learning Masters Degree Program

NC State is the first to deploy a distance learning based Wood Products Masters Degree in Wood and Paper Science among peer universities. Professionals working in industry will be able to take distance-based courses in Wood Anatomy. Wood Physical Properties, Wood Mechanics, Wood Composites, and Excellence in Manufacturing. A special grant is funding the development of these course over the web and/or by videotape.

#### Extension

North Carolina State has one of the strongest groups of Wood Products extension faculty directly serving industry. Its mission is to make North Carolina more competitive. Larry Jan, Joe Denig, Phil Mitchell, and Urs Beuhlmann collectively had 29 major presentations, 6 grants, and 30 publications. They conducted, organized, or participated in 113 workshops, conferences, and seminars, reaching over 5,000 individuals.





They collectively visited over 100 plants to improve operations and aided almost 3,000 individuals with information about wood products.

#### Research

The research and academic program will benefit from the donation of a accur-outer in Nodges Laboratory. This particular unit is unique. Computer software guides the tooling elements to machine wood at the highest speed of any unit in the world. It is valued at \$250,000 and supports the interdisciplinary wood machining and tooling research program. Led by John Stewart and Rick LeMaster. It is the only such program in the US.

#### PAPER SCIENCE

NC State University is a core lead institution for education and research in Pulp and Paper Science, Engineering, and Technology.

#### Faculty

Dr. Hasan lameel was selected to receive the Elis and Signe Olsson Distinguished Professorship to recognize his achievements in teaching, and research in pulping and bleaching. The first recipient of this award was Dr. loseph GratzI who fully retired from the Department after 30 years of service. Dr. Ioel Pawlak joined the faculty as an Assistant Professor this August. He received his BS degree in Paper Science and Engineering, and his Ph.D. degree in Environmental Resource Engineering, from the State University of New York College of Environmental Science and Forestry at Syracuse. At NC State, loel is teaching a sophomore course in Paper Properties and senior course in Paper Physics and Product Development. Dr. Richard Venditti was named Investigator of the Year by AF&PA's Containerboard Group, Technical Division for 2001. Dr. Adrianna Kirkman was promoted to the rank of full Professor.

#### Students

This past year undergraduates received their B.S. degree. Ninety percent entered the paper and allied industry. Freshman enrollment increased 90% over the previous year. All three TAPPI Scholarships awarded at the Annual Meeting were won by NC State students.



#### **Educational Program**

NC State continues to offer the largest and most comprehensive array of educational programs among all peer institutions including the B.S., M.S., and Ph.D. degrees; the 100% distance learning based Masters of Wood & Paper Science; distance learning courses; on campus workshops; and on-site, in-mill short courses.

## Science Teacher & Student Recycling and Papermaking Research

The 2nd annual "Chemistry of Papermaking and Recycling" research program for 20 Science Teachers was held at NC State. At the June Meeting of Pulp 6 Paper programs, this program was enthusiastically adopted by the alliance to be a national model. If successful at the national level, hundreds of teachers and thousands of science students will learn about our industry and its use of science in recycling and papermaking each year. Burroughs Wellcome Fund sponsored a science and technology program for high school juniors and seniors. The students became active researchers by participating in exploratory research projects, faculty served as mentors.

#### Research

A five-year preliminary review of Agenda 2020 American Forest & Paper Association sponsored publications and grants, indicated NC State Faculty ranked at the top among peer programs, producing a total of 294 publications and almost \$9 million in grants in the areas of recycling, manufacturing, environmental, energy performance, and new products.

## Process Integration for Environmental Control Consortium

NC Statue is the U.S. lead institution in this new grant from the Department of Education. Consortium partners are Abburn, Ecole Polytechnique de Montreal, Universidad de Guanajuato, Universite d'Ottawa, and the Univerisdad de San Luis Potosi. The goals of the program are to create international cultural exchanges for students (graduate and undergraduate) studying in these fields: and for faculty exchanges.

# TAPPI/PIMA

TAPPI/PIMA has been very successful this year. Members have actively participated with the Paper Science Department in the recruitment process. Through the Shadowing Program, prospective students experience a day in the life of a college student. Over 20 industry recruiters continue to work with TAPPI/PIMA setting up pre-nights, where they spend the night before company interviews informing students on prospective careers in the pulp and paper industry.

Paper Express is a program where elementary and middle school students learn about the paper industry and what it takes to make paper. Members also volunteer their time to tutor students in areas of math and science. In addition, students have participated in Service Raleigh, a citywide program that completes various tasks around the Raleigh area, including planting trees and beautifying pedestrian walkways.

In October, TAPPI/PIMA organized the 2nd Annual Alumni Tailgate as its primary fund raiser. Despite the cold weather, there was a great turnout of students, faculty, and alumni for the NCSU vs. UVA game. Everyone enjoyed the fried turkey, country food, and free t-shirts so much that they are already looking forward to next year's tailgate.

TAPPI/PIMA has attended three conferences this year. In November, students attended the 2001 TAPPI Pulping Conference in Seattle, Washington where they learned about the recent advancements in pulping technology.

In March, students traveled to Atlanta, Georgia for both the Paper Summit 2002 and for the National TAPPI/PIMA Student Summit. The Paper Summit, which comes once every three years, provided students the opportunity to



Students gathered around for the 2nd TAPPI/PIMA tailgate



Prepping the turkey for frying at the tailgate



It's volleyball time at the End-of-Year Picnic

network with industry professionals and view the latest in technological advances in the paper industry. At the Student Summit, attendees had the opportunity to meet their peers in pulp and paper programs throughout the United States and share with them areas where TAPPI/PIMA was successful.



A group ready to work during Service Raleigh



Officers planning the next big event



The Papermakers co-ed flag football team

In the fall semester, TAPPI/PIMA sponsored three flag football teams: two men's and one co-ed. The Papermakers co-ed team's regular season and playoff record earned them an invitation to compete in the National Collegiate Flag football Tournament held in New Orleans, LA. In the spring semester, TAPPI/PIMA sponsored two teams for intramural softball.

The year ended with a Picnic to get together one last time before summer break. It was a great time for food, sports, and reflection on all that happened this past year. The new officers are looking forward to continuing the momentum and success established this year.

#### TAPPI/PIMA Officers 2001 - 2002

IAPPINA Officers 2001 – 2002
President: Fitik Welf
Vice President: Jason Persinger
Secretary: Emily Hafer
Treasurer: Steve Wallace
Programs Chair: John Patteson
Service Chair: Kelley Mandracchia
Publicity Chair: Otto Foster
Activities Chair: Courtney Pate
CNR Council Rep: Julie Cheng
Senior Class Rep: Crystal Twiss
Junior Class Rep: Crystal Twiss
Junior Class Rep: Wall Salley
Sophomore Class Rep: Jamie Bushnell
Freshman Class Rep: Wary Ellen Johnson
TAPPI Liaison: Brandy Dail

# Forest Products Society

It is important for students in wood science to develop and maintain as many contacts as possible in the wood products and wood products related industries. With this in mind the newly elected officers for 2001-2002 school years sat down and devised a plan to get more interaction from our students with the Forest Products Society. We wanted the student chapter to provide our members with organization and professional affiliation to benefit both the students and the academic program here at N.C. State.



The simple solution was to make the meetings more exciting and interesting in addition to being beneficial to the members in attendance.

The plan seemed to work! The traditional orientation cookout drew almost twice as many members than the previous meetings from the past year. During the orientation meeting we introduced ideas for club activities, fundraisers and social events. Highlights were a possible hockey game for entertainment, making key chains for recruiting purposes and constructing two wooden cances and raffling them off at the peat fall's N. C. State Fair.

The FPS club meets approximately every two weeks with meals prepared for the members and guests. This year's meetings had a variety of speakers from the wood products industry. These speakers informed us on the companies they were representing and told about

experiences inside the industry. In some situations the club hosted interviews who gave the students an informal opportunity to ask questions and be aware of what will be expected during the interview. The club has also planned a clean-up day of Hodges Wood Products Laboratory and in return to the participants a trip to see the Carolina Hurricanes play at the ESA.

The FPS club also provides students with opportunities to visit trade shows. These shows provide the student with contacts to the industry and a "sneak-preview" of the newest technology available to the industry. This year members of the club visited the Carolina Wood Show that featured more than 500 exhibitors. In August of 2002, a group of members will be fortunate enough to visit Atlanta, Georgia, for the International Woodworking Machinery and Furniture Supply Fair.

The FPS club, through fundraisers, funds many of these trips. Recent fundraisers consisted of raffling off a Thomasville nightstand and selling wooden clocks produced by our members on the machines in Hodge Lab. This year the idea of making wood canoes and raffling them off at the State Fair was brought up. The idea consists of fully constructing one canoe this semester and using a display booth in conjunction with the wood-machining group to finish another. Raffle tickets will be sold during the fair and two lucky winners will receive brand new wooden canoes.

Other activities included making key chains for recruiting purposes, participating in recruiting and volunteering for Service Raleigh. Members gathered one afternoon and machined about 100 key chains that promoted the program. These key chains are given out at events to interest students, by our recruiting Lesley Grieco. Club members at the Open House for incoming freshmen and the First Year College Fair have also assisted Lesley. These students provide information about classes and professors and give their personal experience about the program. We also will participate in Service Raleigh. This is an event that allows student volunteers to help clean up the Raleigh area, and give back to the community.





# DEPARTMENT OF FISHERIES AND WILDLIFE



# SCHENCES



Jointly Administered Program
by
the College of Natural Resources
and
the College of Agriculture and Life Science

## FISHERIES AND WILDLIFE SCIENCES

By Dr. Pete Bromley
Program Coordinator and Professor of Zoology and Forestry

The Fisheries and Wildlife Sciences Program bridges the College of Natural Resources and the College of Agriculture and Life Sciences. The bridge was built 25 years ago, so this is an anniversary year for the program. This year there is one wildlife science graduate, Brian Morse, and one fisheries science graduate Suzanne "Suzi" Jones. Both outstanding young professionals are planning to get their masters degrees. In coming years, more of the Fisheries and Wildlife Sciences students will be graduating from CNR.



# The Leopold Wildlife Club



Coordination matters overcoming obstacles



The North Carolina Resources
Commission certifies club members to
instruct children in wildlife and fisheries
through Project WILD, Project CATCH,
and Project Learning Tree. We are able
to use this expertise when we speak to
elementary schools about wildlife and
their habitats. In the past we have
worked with Collegiate 4-H and with
Combs Elementary School and hope to
continue that.



Casey Phillis/Greg Queen counting deer tracks on Bald Head Island



Leopold Wildlife Club Conclave Team

Another public educational activity is the Dixie Deer Classic. This year we had captive raised live deer present so that we could educate the public on Quality Deer Management and antler development. This activity will continue into the future as our main way to interact with the public. We also provided information on age determination of wild deer and wood duck nest box construction and placement. In addition we informed children and parents about the Fur, Fish and Game camp held at Camp Millstone by 4-H each summer.

We maintain and monitor wood duck nest boxes on Yates Mill Pond. We have, for the second year, had a wood duck nest in one of the boxes and last year had four screech owl chicks raised in another. Squirrel box maintenance and monitoring occurs several time a year on the N.C. State campus. A new project was started in the fall of 2001. Recent concerns of the residents on Bald Head Island prompted us to

conduct white-tailed deer population survey on the Island. Six weekends in the fall we counted tracks and used spotlight counts to determine trends in the population. This is a new project that has sparked much interest in the club. This spring we will do a vegetation survey to to see if there is a negative impact on the maritime plant communities.

The Southeastern Wildlife Conclave will be held in Murray, Kentucky at Murray State University on March 21-23. Twenty-four students will go to compete in a quiz bowl, game calling, telemetry, kayaking, skeet shooting, telemetry, kayaking, skeet shooting, archery, dendrology, and a host of other competitions with other schools in the Southeast. In addition several workshops provide first-hand experience with a number of technical skills. Conclave gives members a unique chance to interact with students from other universities and network with professors for further education.



Left: Tough plant

Right: Julie, Alison Kyle, Rob mastered the obstacles

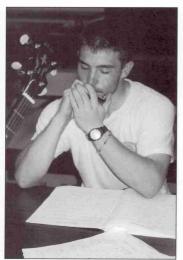


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## Dean's List

Spring 2001		Andrew Lee Herman	FOM	Marianne Rieg	PPT	Amanda Louise Byrum	PRT
Cheri Alina Anamier	PRT	Johanna Marie Higgins	PRT	Christie Elizabeth Rink	PRT	Jodie Gray Cahoon	
David Keith Ashcraft	PPT	Ryan Jason Hill	PPT	Kelly W. Robinson	NRE	Peter Vernon Caldwell	ESH
David Gerald Bagwell	PRT	Braden C. Holloway	PRT	Susan Lynda Roszko	PPT	Erin Joanna Callahan	PRT
Carmen E. Barnes	FOM	Jonathan Patrick Hood	WP	Willard Mills Salley	PPT	Jennifer Anne Cassada	SFW
Jonathan M. Barnes	PPT	Jennifer Anne Howard	PRT	James Earl Sauls, Jr.	PRT	Julie Cheng	PPT
Scott Jason Barnes	SFW	Susan Marie Howard	ESH	Heather Jean Saunders	NRE	Andrew Lee Chilton	PRT
Daniel W. Blackburn	FOM	Angela Caroleen Hubbs	PRT	Rachel Nichole Schryer	PRT	Patrick James Cleary	PPT
James Jason Boyd	PPT	Christy Michele Huggins	PPT	Kelly Dawn Seamon	PRT	Joshua James Clemons	PPT
William Cephus Bragg	PPT	Margaret C. Ingle	NRP	David Edward Sheehan	PRT	Scott William Coffman	PRT
David Scott Brame	FOM	Carlton Wesley Johnson	PPT	Joshua Reid Sherrill	FOM	Kirsten Jane Collings	NRE
Kenneth Earl Brantley	PRT	Jason Merrill Jones	PPT	Joseph Michael Sink	PRT	Lauren G. Cotter	PRT
Benjamine Ryan Brazell	NRE	Kelly Nicole Jordan	PRT	Aaron Drake Smith	PPT	Harry Lawrence Countryman	PPT
lanet Ervin Brendle	PPT	Andrew James Kerins	PRT	Michael Alan Smith	PPT	Margaret Gilliam Cox	PRT
Gregory W. Brickham	ESH	Travis Dustin Lail	PPT	Sandra Tatiana Soliz	WP	Maurice E. Deaver	WP
Frank Vick Brinkley	PRT	Keri Michelle Lake	PPT	George Adam Sparks	WP	Courtney Nicole Dockery	PPT
Ioshua Marc Brown	ESH	Roland Donald Lambe	SFW	Jonathan Coy Spencer	PRT	May Miranda Domingo	PRT
Shane Barron Brown	PRT	Monique S. Laperriere	NRE	William Edgar Stallings	PPT	Jamie Lee Dunbar	NRE
lamie Deanne Bushnell	PPT	Dustin Wade Lenz	FOM	Ashley Erin Taylor	FOM	Christopher Gentry Duncan	PPT
	WP	Michael J. Lewis	FOM	Scott Charles Taylor	PPT	Jonathan Ray Dunn	PPT
Christopher Lee Cagle	FOM	Brian Earl Ligett	PRT	Craig B. Terwilliger	FOM	Carly Rebecca Durham	SFW
David Richard Canady	SEW	Jason Miller Logue	PRT	Jeremy Keith Thompson	PRT	Jonathan Tyler Eckard	FON
Randy Dale Cass	SFW	Ryan Franklin Long	PPT	John Everett Thompson	PPT	Robin Michele Elander	PRT
Jennifer Anne Cassada	PRT	Lilly M. Loughner	NRE	James W. Tomberlin	SFW	Rafael Christopher Estevez	FON
Jason Ray Cheek	PPT	Kevin Brooks Lowe	PPT	William Earl Vaughan	FOM	Wayne Michael Faas	PRT
Julie Cheng	PRT	Robert McGuire Lowe	PPT	Jeffrey Lamoine Walker	FOM	Jonathan David Ferrell	CNR
Andrew Lee Chilton	PPT	Kelley L. Mandracchia	PPT	Charles S. Wallace	PPT	Christina Marie Fiumara	PRT
Jonathan Mark Chipley		Kristen N. Marshall	NRE	Nicholas Ryan Weaver	PPT	Alex Hill Flora	PRT
Scott William Coffman	PRT	Shannon E. Meador	PRT	Joshua M. Whitfield	WP	Meredith Rachel Fulp	PPT
Charles Clifton Daw	WP	Angela Karen Miller	PRT	Henry Harper Whitley	PRT	James Patrick Furgurson	PPT
Maurice E. Deaver		Peggy Ann Mills	PRT	Christopher M. Wilson	PPT	Benjamin Nelson Furr	NRE
David George Demmer	PRT	Kristen Branton Minges	PRT	Megan D. Winfield	PPT	Lisa Marie Gerald	PRT
Pamela S. Domey	PRT	James Luther Moore	WP	Ashley Troy Wingate	PRT	Wayne Daniel Glaze	NRE
May Miranda Domingo	PRT	Brian Wellington Morse	SFW	Michael P. Wojdyla	PPT	Benjamin Thomas Godfrey	PPT
Jamie Lee Dunbar	NRE	Alnesha Moses	PPT	Virginia F. Womble	PRT	Elizabeth Joi Green	PRT
Jonathan Ray Dunn	PPT	Dustin S. Mountcastle	PPT	Thomas Phillips Wood	PRT	Daniel Austin Griffith	FON
Joseph Peele Early II	FOM	Antoinette S. Moyer	PRT	Erik Kyle Yarbrough	PPT	Richard Edwin Griggs	PRT
Jonathan Tyler Eckard	FOM	Brandie Leigh Murphy	PRT	Millage Lee Zachary	PRT	Emily Denise Hafer	PPT
Robin Michele Elander		Donna Meredith Myers	PRT			Stephanie Diane Hafer	PPT
Fletcher Scott Emery	PRT	Robert Keith Nesbitt	PRT	Fall 2001		Clement Joseph Handron	PRT
Wayne Michael Faas	PRT	Scott. M. Newkirk	FOM	David Keith Ashcraft	PPT	Patrick Neil Hardison	WP
David Otto Foster	PPT	Adam Joshua Newman	PRT	GENERALING AND SECTOR		Robert La Thomas Hargrove, Jr.	PPT
Benjamin Nelson Furr	NRE	Tara Danielle Owen	PRT	Carmen Elizabeth Barnes	FOM	Sean Patrick Harrington	PRT
Nicholas Lee Garner	FOM	Alton Jess Parton	WP	Scott Jason Barnes	SFW	Maryn Lee Heerman	PPT
Wayne Daniel Glaze	NRE	Courtney Eugene Pate	PPT	Joshua Lee Biesecker	PRT	Patrick David Helland	PRT
Zachary O'Neal Guy	PPT	Katherine J. Pavia	WP	Lindley Stedman Birchmore	FOM	Christopher Chad Hensley	PRT
Emily Denise Hafer	PPT	Kathryn C. Paylor	PRT	Daniel William Blackburn	FOM	Johanna Marie Higgins	PRT
Stephanie Diane Hafer	PPT	Jason Thomas Persinger	PPT	Christopher Reed Boling	PPT	Charles Vector Hinson	PPT
Clement J. Handron	PRT	Todd Ashley Philbeck	PRT	William Cephus Bragg		Brian Matthew Hoffert	PPT
John Wayne Hardison	FOM	Grant Lewis Pilkay	SFW	Benjamine Ryan Brazell	NRE ESH	Adam Lee Hoffman	PPT
Sean P. Harrington	PRT	Randall Oldin Pittard	PPT	Gregory W. Brickham	PRT	Braden Creath Holloway	PRT
Colin Michael Hayes	PPT	Gregory Allen Queen	SFW	Frank Vick Brinkley		Timothy Joseph Horn	WP
Laura Louise Hayes	FOM	Jordon Daryl Ramsey	WP	Joshua Marc Brown	ESH	Angela Caroleen Hubbs	PRT
Carrie E. Henson	PRT	Elizabeth C. Raper	PRT	Jamie Deanne Bushnell	PPT	Christy Michele Huggins	PPT

Stan Jonathan Hutchens	SFW	Melissa Staug Miller	SFW	Wendy Louise Punshon	PRT	Eric Brandon Sucre
Sean Christopher lanacone	PRT	Joshua Thomas Mitchell	PRT	Gregory Allen Queen	SFW	Ashley Erin Taylor
Margaret Christine Ingle	NRP	Tiffany Lyn Monegan	PRT	Sara Glee Queen	EDA	Brandi Nicole Thacker
Elizabeth Louise Jenkins	PRT	Benjamin Dale Moore	PRT	Jordon Daryl Ramsey	WP	Emily Lauren Thatcher
Ian Vernon Trahms Johnson	FOM	Colin S. Moore	PRT	Elizabeth Courtney Raper	PRT	Ronald Spencer Thomas
David Godfrey Jones	NRE	Brian Wellington Morse	SFW	Nathaniel Pennington Redman	PRT	James Weatherman Tomberlin
Suzanne M. Jones	SFF	Kristopher Colt Morton	PRT	Jerry Lance Richardson	PPT	Aimee Kathryn Trippel
Kelly Nicole Jordan	PRT	Alnesha Moses	PPT	Christie Elizabeth Rink	PRT	Brent Allen Upton
Andrew James Kerins	PRT	Antoinette Sheree Moyer	PRT	Susan Lynda Roszko	PPT	Emily Jane Vesta
Dustin Phillip Kilpatrick	PRT	Steven James Mucci	PPT	Leah Claire Sabine	PRT	Jeffrey Lamoine Walker
Amelia Frances Labador	PRT	David Miles Mumford	PRT	Willard Mills Salley	PPT	Jeff Thomas Wallace
Melanie Brooke Lackey	PRT	Robert Keith Nesbitt	PRT	Jennifer Anne Sanders	ESH	leremy Wayne Watters
Keri Michelle Lake	PPT	Scott. M. Newkirk	FOM	Heather Jean Saunders	NRE	Douglas Neal Way
Monique Susanne Laperriere	NRE	Brandon Eascot Nicholson	PRT	Eric Kurt Scholler	PPT	leffrey Louis White
Brett David Lenz	PRT	Brandon Jones Orrock	FOM	Rachel Nichole Schryer	PRT	Henry Harper Whitley
Christopher Curtis Lilley	FOM	Ines Mariana Palacios	PRT	Kelly Dawn Seamon	PRT	Nicholas Allan Wilson
Shawn Lynn Line	PRT	Courtney Eugene Pate	PPT	Angela Kay Shasteen	SFW	Megan Daniel Winfield
Lilly Michelle Loughner	NRE	John Louis Patteson II	PPT	Kenneth Brian Short	FOM	Ashley Troy Wingate
Bradley Edward Macey	PRT	Jonathan Harold Payne	PRT	Aaron Drake Smith	PPT	Rene Philippe Dieter Wissel
Kelley Lynne Mandracchia	PPT	Jason Lee Philbeck	PRT	Emily Catherine Smith	NRE	lesse Ross Woidylo
Kristen Nicole Marshall	NRE	Todd Ashley Philbeck	PRT	Michael Alan Smith	PPT	Virginia Fletcher Womble
Maria Anne Maschauer	NRP	Grant Lewis Pilkay	SFW	Elizabeth Ashley Speller	PPT	Donnie Mack Young, Ir.
Aaron Mark McClannon	PPT	Randall Oldin Pittard	PPT	Julia Leigh Spicer	PRT	Millage Lee Zachary
Shannon Elizabeth Meador	PRT	Lindsay Fairbanks Pumford	PRT	Ivey Withers Stewart IV	PRT	Stephanie Brigitta Zolkowski





FOM FOM PRT PRT PRT SFW PRT FOM NRP FOM PPT PPT PPT PRT PRT PPT PPT PRT

PRT PRT

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FOM



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## Seniors

Carmen Elizabeth Barnes Forest Management

Benjamin Thomas Cooper Sophia, NC Forest Management 2000 Forester of the Year

Nicholas Lee Garner Wilmington, NC Forest Management Golden Key Honor Society Xi Sigma Pi Honor Society Forestry Club

Todd McMullan Gentry Wendell, NC Forest Management

John Wayne Hardison, Jr. Ronda, NC Forest Management Forestry Club President

Andrew Lee Herman Fleetwood, NC Forest Management SAF Member Forestry Club Vice President

John Daniel Hodge Rowland, NC Forest Management Forestry Club

Marin Challis Holmes San Jose, CA Forest Management

**Ionathan Patrick Hood** Christiansburg, VA Wood and Paper Science

Monique Susanne LaPerriere Clinton, NJ NRE Phi Kappa Phi Hope for the Homeless Lorax Environmental Club

**Jason Michael Lefler** Troy, NC Forest Management Forestry Club



Carmen Elizabeth Barnes



Benjamin Thomas Cooper



Nicholas Lee Garner



Todd McMullan Gentry



John Wayne Hardison, Jr.



Andrew Lee Herman



John Daniel Hodge



Marin Challis Holmes



Jonathan Patrick Hood



Monique Susanne LaPerriere



Jason Michael Lefler

## Seniors

James Eugene Lytton Troy, NC Forest Management SAF Chair

John Christopher Miller Norwood, NC

Forest Management Forestry Club SAF Student Chapter

Jane Meade Moore

Raleigh, NC Parks, Recreation and Tourism Management Rho Phi Lambda Golden Kev Gamma Beta Phi

Todd Philbeck

Hickory, NC Parks, Recreation and Tourism Management Golden Key National Honor Society 2000 Gamma Sigma Delta Agriculture Honor Society 2001 Phi Kappa Phi 2001

Justin Ernest Query China Grove, NC Forest Management Forestry Club

William Charles Shooter, Jr. Rowland, NC Forest Management NCSU Forestry Club SAF Member

Daniel Alan Snider Forest Management

George Adam Sparks Sparta, TN Wood and Paper Science Forest Products Society President

Robert Lee White Lumber Bridge, NC Forest Management Forestry Club



James Eugene Lytton



John Christopher Miller



lane Meade Moore



Todd Philbeck



Justin Ernest Query



William Charles Shooter, Jr.



Daniel Alan Snider



George Adam Sparks



Robert Lee White

## Seniors (not pictured)

#### Environmental Sciences-Watershed Hydrology

Susan Marie Howard

#### Forest Management

David Scott Brame
Stephen Robert Burgess
David Richard Canady
Kelly Dougherty
John Michael Gaillard
Timothy Alan Gardner
Matthew Spence Hedspeth
William Douglas Hightower III
Timothy Jon Howell
Dustin Wade Lenz
Roger Daniel Lynch
Dwight Woodard Otwell
David Jeremy Thigpen
Della Jean Tucker
William Earl Augshan

#### Natural Resources—Ecosystem Assessment

David Godfrey Iones

#### Natural Resources Policies and Administration

Margaret Christine Ingle

#### Fisheries and Wildlife Sciences Suzanne M. Iones

Suzanne M. Jones Brian Wellington Morse

#### Parks, Recreation and Tourism Management

Patrick Minton Briley Andrew Felix Brown III James Woodson Crum Caroline Elizabeth Duckworth Robin Michelle Flander Rebekah Diane Giard Derek Lamar Green Heidi Y. Humphrey Douglas Wayne King Rvan I. Miller Peggy Ann Mills David Miles Mumford Adam Joshua Newman Elizabeth Courtney Raper Henry Franklin Rhodes Ir. Patricia Wall Robertson Rachel Nichole Schver Stacev Lynn Slaughter Samuel Robbins Smith Robert Steadman Sugg Timothy Wayne Turner Donald Nash Whitaker

Kathryn Elizabeth Winston Millage Lee Zachary

#### Pulp and Paper Science and Technology

William Cephus Bragg Brandon Ward Bray Iulie Cheng Charles Clifton Daw Jr. Jeffrey Daniel Flanagan Brian Lowell Gustin Emily Denise Hafer Charles Victor Hinson Christy Michele Higgins David Lloyd Johnson lason Thomas Persinger John Allen Quick Ir. Aaron Drake Smith Elizabeth Ashley Speller William Edgar Stallings IV Brian Richard Stepp Nicholas Ryan Waver

#### **Wood and Paper Science**

Christopher Eric Gabel Patrick Neil Hardison Andrew Joseph Whalen

## Notes from the Editor:



This year was a learning experience, but thanks to the members of the College of Natural Resources Council including advisors Kris Fowler and Dr. Carol Love, this year's book came out a success. Cheers to next year and an even better, more encompassing Pinetum!

Sincerely, Anna Kroyer Junior Forest Management 2001-2002 Pinetum Editor

My work is in loving memory of Alan Smyoge.

Thanks to all for your support last fall...

## COLLEGE OF NATURAL RESOURCES

we provide professional and technical curricula that emphasize finding solutions to real world problems.

## About CNR

Established in 1929, the College of Natural Resources is one of the oldest and, currently, one of the largest schools of its type in the nation. The College includes three Academic Departments: Forestry; Parks, Recreation and Tourism Management; and Wood and Paper Science. All offer undergraduate and graduate educational opportunities and conduct teaching, research, and extension activities directed to understanding and contributing to the maintenance of a high quality environment.

## Mission

The mission of the College of Natural Resources is to improve the use and stewardship of renewable natural resources. We seek to strengthen natural resource management, enhance environmental quality, increase productivity of forest enterprises, expand recreation and tourism opportunities, and encourage sound regional economic development. To these ends we provide superior professional education, discover new knowledge, and disseminate credible and timely information.

## Vision

To be an internationally recognized center for the development and dissemination of knowledge concerning the management and effective use of forests and related natural resources.

**Small** enough to know you personally, yet **large** enough to serve humanity and manage natural resources globally.