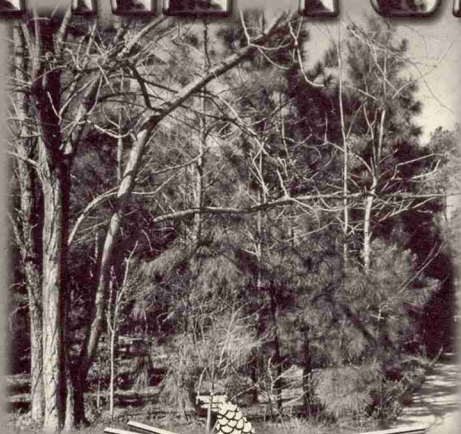


# PINE-TUM



**Journal of the College of Forest Resources**

**1999-2000**

**65th EDITION**

**COLLEGE OF FOREST RESOURCES** – we provide  
*professional and technical curricula that emphasize finding solutions to real  
world problems.*

## About CFR

Established in 1929, the College of Forest 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 Forest 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.*

# DEAN'S PERSPECTIVE

Dr. Larry W. Tombaugh, Dean



A pile of back issues of *PINETUM* is stacked on the table in my office, waiting to be taken to the Forestry Special Collection in the library. It is fun and instructive to look at the old editions and to see how far the College of Forest Resources has come.

The first issue of the *PINETUM* was published in 1934, five years after the School of Forestry had been established. It was dedicated to Dr. J. V. Hofmann, the first Director of the School of Forestry. Interestingly, it contained a variety of articles by faculty members, each of which dealt with various aspects of the profession of forestry. Professor Ralph Hayes, for example, offered his views of the future of forestry. He talks about the need to demonstrate to the public and to the private landowner that a profit can be made from growing timber. He says that foresters must prove to the public "that forests are necessary for recreation areas, and breeding and feeding grounds for game and fish, as well as regulators of floods and means of controlling erosion, while at the same time they are growing timber as a source of future income to help carry the expenses of government. Prove to the individual that we all use forest products in many ways every day, that forestry is necessary to his future well being and comfort."

Several things strike me about this 1934 publication. First, there were only 9 faculty members in the School of Forestry. Second, there are 41 people shown in a photograph of the forestry club, and every person wore a suit, white shirt, and necktie. Finally, the publication is laced with *poetry*.

Foresters of the time exhibited strong streaks of romanticism and civility.

The 1946 issue is particularly poignant. It has a large section of alumni news and several pages of pictures of alumni, all in their military uniforms. It also lists 15 alumni who gave their lives to their country in military action. This edition has a most humorous article about Rolleo, which was reinstated in 1945.

Twenty years after the first edition was published, the School of Forestry had grown and changed substantially. Forestry was still the core, but wood technology and the pulp and paper science and technology were developing rapidly. The faculty, however, had only grown to 11 people.

The next ten years witnessed significant growth. The faculty increased to 31 people, an enormous increase. Currently familiar names like Professor Arthur Cooper, Bruce Zobel, and Charles Davey began to appear in the *PINETUM*.

By 1967, the School of Forestry was organized into separate departments that have basically continued until today. The Recreation and Park Administration Department (now the Department of Parks, Recreation, and Tourism Management) was transferred into the School of Forestry in February of that year. The School of Forestry name gave way to the more inclusive name—the College of Forest Resources—in 1987.

Today, the College consists of 78 faculty members. The annual budget for the College is over \$19,000,000. Enrollment is roughly 1,000 students,

making it one of the largest academic units of its kind in the United States and by far the largest in the South.

Without question, the College has come a long way since 1934. And the one thing that is certain is that it will continue to evolve and to grow because the entire field of natural resources is evolving and becoming ever more important in the lives of our citizens. Indeed, perhaps one of the two or three challenges facing all of society is the need to learn how to use our natural resources in ways that are both economically and environmentally sustainable. The College will continue to play a role in meeting this critical challenge. It will do so through the people who graduate from the College, from the new ideas generated by our outstanding faculty, and from the transfer of this knowledge to industry, government, and citizens.

I frankly look back on the 1934 edition of the *PINETUM* with a certain longing. Being professionally involved with the management and use of our natural resources is among the noblest of human enterprises. All the fields represented by the College have become increasingly complex, and modern electronic technology has revolutionized the ways we learn and communicate. Nevertheless, there is still a need for civility, poetry and romanticism in the College of Forest Resources, perhaps even more so now than ever before.

Dr. Larry W. Tombaugh  
January 24, 2000

**The three departments of the College of Forest Resources are home to programs of teaching and research that range from the molecular biology of trees to environmentally sound methods of paper production to National Park management and beyond.**

# INTEGRITY AND A GOOD NAME: KEYS TO SUCCESS



Dr. Carol S. Love  
Associate Dean for Academic Affairs

**I**ntegrity and a good name are traits you should possess. Integrity is defined as adherence to a code of moral, artistic, or other values; honesty, honor (Webster's Seventh New Collegiate Dictionary). If you must choose, take a good name rather than riches; for to be held in loving esteem is better than silver and gold (Proverbs 22:1). Build a reputation for honesty and the pursuit of excellence. Let it be known that you are a person whose word is your bond. When your word is given it can be used like currency to be taken to the bank. Wealth in all the ways that it can be defined will follow in time. **SUCCESS** in life results from:

Service with Integrity

Unconditional Respect for Others

Cultivating Good Habits

Clear Goals

Exploring the Meaning of Your Name

Stewardship of Resources

Speaking less; Listening and Learning from Others

Those who leave a positive legacy exhibit these traits. It is strongly recommended that you assess your traits and decide what type of legacy you will leave.

As an administrator, I start each day by applying the Golden Rule. I treat others with unconditional respect, which is the way I want to be treated. I believe you don't have to make a name for yourself. You simply have to live up to your name. What is your name? What does it mean? My name is Carolyn Smiley Love. According to Sandra McKenzie's book about names, I am caring, consistent, curious, calm, creative, and a Capricorn. Does my disposition as you have experienced or heard about it contradict my name? I hope not!

There are several lessons that I have learned that may be helpful to you:

- |            |  |
|------------|--|
| LESSON I   | Know the meaning of your name; never dishonor the family name; a good name is better than fame and fortune.  |
| LESSON II  | Treat others the way you want to be treated.   |
| LESSON III | Be organized; <u>plan</u> , <u>implement</u> , <u>evaluate</u> ; it is as simple as <u>pie</u> .   |
| LESSON IV  | Be creative; <u>activate</u> , <u>cultivate</u> , <u>translate</u> ( <u>act</u> ).   |
| LESSON V   | Set goals; <u>plant</u> positive ideas; <u>unveil</u> your vision; <u>show</u> signs of progress; <u>honor</u> those who assist you ( <u>push</u> ). |

The following words of wisdom were passed on to me by a student in one of my classes. Read and enjoy!

## ALL I NEED TO KNOW ABOUT LIFE I LEARNED FROM TREES

♣It's important to have roots. ♣In today's complex world, it pays to branch out. ♣Don't pine away over old flames. ♣If you really believe in something, don't break when a harsh wind blows. ♣Sometimes you have to shed your old bark in order to grow. ♣If you want to maintain accurate records, keep a log. ♣To be politically correct, don't wear firs. ♣Grow where you're planted. ♣It's perfectly okay to be a late bloomer. ♣Avoid people who would like to cut you down. ♣Get all spruced up when you have a hot date. ♣If the party gets boring, just pick up and leaf. ♣Be sure to cover your bare ash in the winter. ♣As you approach the autumn of your life, you can't hide your true colors. ♣It's more important to be honest than poplar.

— Unknown

# SMALL COLLEGE — BIG SCHOLARSHIP BUDGET



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

I think it most appropriate in this edition of the *Pinetum* to let our current students and our alumni know that the University just finished a major campaign to raise money for **endowed** scholarships and graduate fellowships. The campaign was appropriately called "The Campaign for the Students." The University's goal of \$80,000,000 topped out at over \$120,000,000. The College of Forest Resources posted results of over \$6,000,000 from a goal of \$2,500,000. The beneficiaries of this campaign will be the current and future students entering our college. With a 5% spending policy in both the Pulp and Paper Foundation and the North Carolina Forestry Foundation, Inc., we should *ultimately* be able to provide \$300,000 additional dollars per year to our students. Currently, the two

college foundations provide over \$400,000 in aid to our students in this college. On a per student basis,

our college is one of the highest on campus in providing scholarship aid to its students.



## *Our Sincerest Thanks*

The *Pinetum* would not exist if it were not for the support of the North Carolina Forestry Foundation. In addition to the numerous scholarships that have been established for CFR students, the NCFE has also made available the bulk of the funds needed to publish the *Pinetum*.

The 1999-2000 *Pinetum* Staff and the College of Forest Resources Council would like to express their sincerest thanks to the Foundation for its generous support. We honestly appreciate all that is done on behalf of the students.

# STUDENT SENATE

Student Senators: Garrett Bugg, Don Davis

Over the past seven months, the NC State Student Senate has worked diligently on the behalf of the students. In October, we passed the Education and Technology fee, which will have direct benefits for the College of Forest Resources. We also supported the Physical Education fee and the Transportation fee.

Also in October, the Senate took on the possible tuition increase. We attended protests in Chapel Hill, sponsored legislation against the increase, held a town-hall meeting,

and lobbied the Board of Trustees. Unfortunately, the Board of Trustees recommended a small increase of three hundred dollars for one year, which the Board of Governor's threw out in favor of a larger increase.

In addition to the usual legislative duties of the Senate, we have focused on having recycling bins placed in dorms, having an actual hard-copy of the parking permit distribution policy made available for students to review, and implementing a new mediation policy. We have also looked into the excessive use of social security

numbers in student identification and the large lab sections of English classes. Currently, we are working with the University to improve the ticket distribution policy for student football and basketball tickets.

Even though the two Senators who represent the College of Forest Resources are not members of the college, both have worked hard to get to know the needs of the College and help the CFR Council with its new constitution.

## College of Forest Resources Council

The College of Forest Resources (CFR) Council is a representative body of student clubs, organizations, and departments within the college. This past year's agenda included an update of the CFR Council constitution, creation of budget request guidelines, appointing student representatives to the teacher awards nominating committee, reviewing and approving funding requests from clubs and organizations, and producing the *Pinetum* Journal. Council members for the 1999-2000 year and the groups they represent were:

Justin Rice	President (TAPPI)
Matt Staton	Vice President (FPS)
Tanya Davis	Treasurer (TAPPI)
Jane Moore	Secretary (Rho Phi Lambda)
Andrew F. Brown, III	College Wide Executive Council CFR Rep. (SRA)
Brad Allen	(FOM)
Garrett Bugg	Student Government Senator
Cindy Carr	<i>Pinetum</i> Editor (Xi Sigma Pi, NRE)
Don Davis	Student Government Senator
Liz Elliott	(Rho Phi Lambda)
Jonathan Owens	(Wood Products)
Eric Rouse	(Forestry Club)
Travis Silver	(SRA)
T. Bennett Wall	(Forestry Club)
Dr. Carol Love	Faculty Advisor
Kris Fowler	Assistant to the Associate Dean for Academic Affairs



# DEPARTMENT OF FORESTRY

*Dr. Fred Cabbage, Department Head*



**T**he Department of Forestry had a very successful 1999. We had a total enrollment of about 300 undergraduate students and 135 graduate students in Fall of 1999. Undergraduate enrollment included 173 students in Forest Management; 70 in Natural Resources-Ecosystem Assessment; 19 in Natural Resources-Policy and Administration; 21 in Fisheries and Wildlife Science; and 18 in Environmental Sciences-Watershed Hydrology. Graduate student enrollment included about 66 students in the Master of Science program, 14 in the Master of Natural Resources, 10 in the Master of Forestry, 5 in the Master of Wildlife Biology, and 44 in the Ph.D. program.

The undergraduate forestry and natural resources students had an active year for clubs and events. In Spring 1999, the Forestry Club did an excellent job of hosting the annual Southern Forestry Conclave at Ellerbe, NC. The Club placed third at the event, including first place in the technical events. The student chapter of the Society of American Foresters sent almost 30 students to the Annual Convention of the Society of American Foresters in Portland, Oregon. Faculty advisor Joe Roise then led the group on a tour of western forests on the Olympic Peninsula. The natural resources student chapter of the National Association of Environmental Professionals had several guest speakers and sent representatives to the national meeting in Kansas City.

Several faculty changes have occurred in 1999. Erin Sills was hired as an Assistant Professor of Forest

Economics and International Forestry, replacing Jan Laarman. Christopher Moorman was hired as an Extension Specialist and Assistant Professor of Wildlife. Scott Chang and Dan Kelting were hired as Research Assistant Professors in the Hardwood Research Co-op and Forest Nutrition co-ops, respectively. Jennifer Barnes began as the Director of the Forestry Educational Outreach Program in June 1998, taking over from departing Kelley Duffield. And at the end of 1999, Professor Lester Holley retired after about three decades as Professor of Forest Economics and a decade as Graduate Coordinator. Craig McKinley left as Department Extension Leader at the end of the year to become Department Head at Oklahoma State. Rick Hamilton has agreed to serve as the Department Extension Leader, at least for most of 2000. Unfortunately, Judy Rogers retired as our Administrative Assistant after 30 years service in the Department of Forestry. A host of other changes occurred with our technical staff—too numerous to enumerate here.

The Department of Forestry submitted materials for its interim accreditation of the forest management program by the Society of American Foresters, which was approved pending a modest progress report next year. Faculty in the Department continued to garner various research and teaching awards. Arthur Cooper received the Pinchot Award at the 1999 Annual Meeting of the Society of American Foresters in Portland. The Forest Biotechnology Group received \$4.6

million in a multi-year, multi-institutional grant from the National Science Foundation, and Robert Abt received about \$1 million for modeling economic effects of global climate change on timber supplies from the Environmental Protection Agency. Joseph Roise and George Hess participated in the Hewlett initiative to foster better teaching at NC State. Richard Braham, Gary Blank, Richard Lancia, and Barry Goldfarb continued to receive recognition for various teaching honors received in 1999 or carried over from prior years.

Employment was tighter for the Spring 1999 graduates than in prior years, but most still found acceptable employment. Seventy-nine percent of the 24 graduating Forest Management students were employed or attending graduate school six months after graduation, with an average salary of \$27,300. For the 28 Natural Resource and Environmental Science graduates, 68% reported professional employment, and the balance did not respond or had not received professional positions. Their average salary was \$21,700. Undergraduate foresters were hired mostly by forest industry, with 8 being hired for wood procurement, 3 in land management, and 4 in related positions. Natural resources graduates went to public agencies and some environmental consulting firms. Virtually all graduate students received employment at a large variety of scientific, professional, academic, and natural resource positions.

## DEPARTMENT OF FORESTRY

*professional education integrating natural resources, management, and technology*

# ***XI SIGMA PI: History and Purpose***

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**X**i Sigma Pi is an honors society with the aim of recognizing the academic excellence of students in the forest sciences. Xi Sigma Pi was founded in 1908 at the University of Washington. It has become the oldest and most esteemed forestry honors society in the United States. The basic objectives of Xi Sigma Pi, for which it was created, are: to maintain high standards of scholarship in forestry education, to work for the improvement of forestry, and to promote fraternal relations

among those engaged in forestry and forest-related activities.

The Mu Chapter was established at NC State in 1940 as the first forestry honor society in the South. Our local chapter at NC State typically sponsors only two events each year. First, we have the annual initiation banquet for new members. Then, we hold a spring picnic at Schenck Forest around exam time. These activities are carried out by an executive council. Current Mu Chapter officers are Marissa Rodman,

Forester; Julie Clingerman, Associate Forester; Charles McDougall, Secretary; Pat Cumbie, Ranger; and Dr. Richard Braham as the Faculty Advisor to the council.

Recent Society accomplishments include becoming an international organization, becoming an official member of The Association of College Honor Societies, and contributing to the endowment fund of The Society of American Foresters.

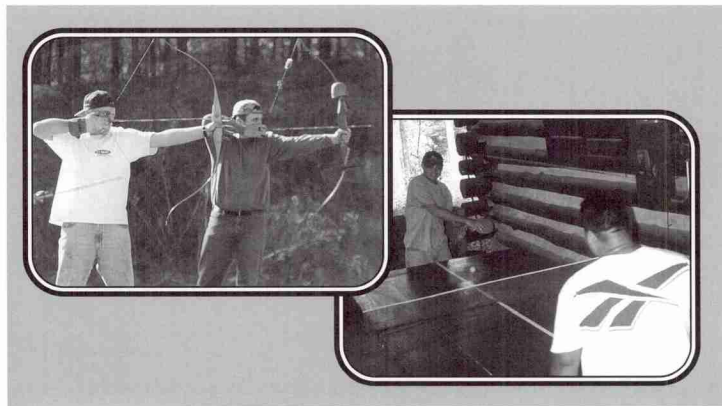
## **New members:**

Andrew Bailey  
Carmen Barnes  
Cindy Carr  
Matthew Carter  
Scott Earwood  
Nicole French  
Casey Fulgham  
Brian Furnas  
Wayne Glaze  
Helen Gray  
Brandon Greco

Abbie Grennart  
Charles Hinson  
Kathleen Hughes  
Xin Huo  
Mark Ivy  
Stephanie Jeffries  
Joe Judge  
Sarah Kinney  
Philip Kornely  
Barbara Lehnhardt  
Wenbin Liu

Tiffany Long  
Tracianne Lyon  
James Mathis  
Jeremy Meyers  
Vickie Miller  
William Milliner  
Jane Moore  
John Morgan  
Laura Muhs  
Jill Murphy  
Donna Myers

Snow Lay Roberts  
Julio Rojas  
Debra Savage  
Rick Savage  
Elizabeth Scherrer  
Robert Stewart  
Shuku Sun  
Robert Sykes  
Layna Thrush  
Bryan Wallace  
Christopher Wright





# Forestry Graduates

## Environmental Science

*Bachelor of Science in Environmental Science – Watershed Hydrology*

- December 1999 Graduates  
Christopher Lee Rosier
- May 2000 Graduates  
Michael Brian O'Rourke

## Fisheries and Wildlife Sciences

*Bachelor of Science in Fisheries and Wildlife Sciences – Wildlife*

- December 1999 Graduates  
Aaron Lonnie Eubanks II  
Christy Anna Hipsley  
Darrell Oatham Johnson  
Jason Allen Rackley  
Daniel Rodney Tenney  
Gregory Jackson Walmsley  
Melody Jaclyn Wootten
- May 2000 Graduates  
Brian Mitchell Harrison  
Paul C. Williams, Jr.

*Bachelor of Science in Fisheries and Wildlife Sciences – Fisheries*

- December 1999 Graduates  
Terrence Robert Cook  
Patrick Brendan Joyce  
Michael Edward Martin  
Michael Joel Trussell

*Master of Science in Fisheries and Wildlife Sciences*

- December 1999 Graduates  
Kirsten Rebecca Hazler  
Christopher Charles Van Maaren

## Forest Management

*Bachelor of Science in Forest Management*

- December 1999 Graduates  
David Stephen Fort  
Marcus Allen Wood
- May 2000 Graduates  
Karen Joyce Boyd  
Brian Robert Bridgeman



Thomas Randy Clark, Jr.  
William Patrick Cumbie  
David Carpenter Gadd  
Aaron Lee Gay  
Lisa S. Hartrick  
Jonathan Ames Hodde  
James Adam Huffman  
Joseph Perry Hunt  
Jeremy Matthew Ison  
Curtis Loyd Jessen  
Jennifer Leigh Johnson  
Patrick Thomas Jolley  
Colby Scott Lambert  
Wesley Adam Ledford  
Edward Alvin LeRoy  
Robert Craig McClure  
Charles Chauncy McDougall  
Jeremy Ray Mills  
Sou Moua  
John Harmon Newton  
Leslie P. Newton  
Jason Allen Payne  
Jerry Lynn Richardson  
Medina Raul Rodriguez  
Tommy Ernest Sanford  
Thomas Bennett Wall

*Master of Science in Forestry*

- December 1999 Graduates  
Daniel Mathew Johnson  
Angelia Joyce Kegley  
Mark Anthony Romagosa

*Doctor of Philosophy in Forestry*

- December 1999 Graduates  
Claude Halford House  
David Lawrence Remington

## Natural Resources

*Bachelor of Science in Natural Resources – Ecosystem Assessment*

- December 1999 Graduates  
Jennifer Marie Beck  
Helen Fackler Brooks  
David Jason Caudill  
David Brian Gillis  
John Wesley Shields  
Elizabeth Lynne Zarlino
- May 2000 Graduates  
Cindy Simpson Carr  
Julie Elizabeth Clingerman  
Jennifer Leigh Johnson  
Katherine Elisabeth Messerschmidt  
Jamain Corina Persad  
Marissa Kristen Rodman  
Bradley Edward Suther  
Corri Lynn Wolfe  
David Joshua Zettlemoyer

*Bachelor of Science in Natural Resources – Policy and Administration*

- December 1999 Graduates  
Jason Wade Edney

*Master of Science in Natural Resources*

- December 1999 Graduates  
Kyle Andrew Martin  
Rebecca Jane Waff

## Conclave 2000 — "On the Bayou"

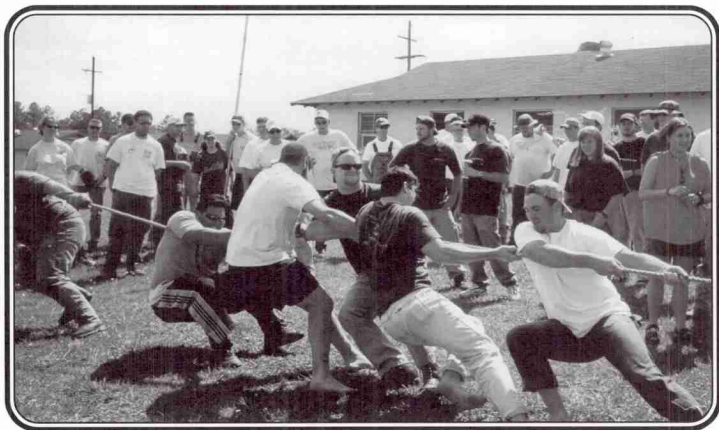
Conclave 2000 was hosted this year by Louisiana State University in Pineville, Louisiana. After a grueling 22-hour bus ride, the Forestry Club made it down there, primed and ready for competition in a variety of woodsman events. There were 13 other schools that also attended the competition, and they were Virginia Tech, Clemson, Georgia, Auburn, Florida, Mississippi State, Louisiana Tech, Stephen F. Austin, Texas A&M, Louisiana State, Arkansas, Tennessee, and Oklahoma State. Louisiana State hosted a good show considering they only had seven or so people helping with the food, barracks, and setting up events. There were a wide variety of woodsman events that consisted of men's, women's, and Jack & Jill crosscut sawing, men's and women's bow sawing, speed chopping, pole felling, pole climbing, archery, log

burying, knife and axe throwing, chain throwing, log rolling, timber estimation, DBH estimation, pole classification, wood identification, tree identification, air

photogrammetry, compass & pacing, and wildlife identification. NC State placed third in the physical events, third in the technical events, and third place overall. Our Forestry Club always represents NC State well with its performances, which is commendable since we often sacrifice our practice time in order to perform well in the classroom. Members of different schools commended NC State members on the professionalism that we exhibited in hosting Conclave 1999. The Club is looking forward to Conclave 2001 at Auburn next year. As always, we pride ourselves on being one of the few clubs in the association that represents their school with class and dignity. The friendships that are formed among and within the different clubs that attend Conclave are cherished for a lifetime.

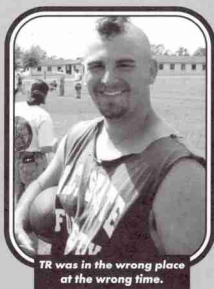


*"NCSU 1ST PLACE CHAMPIONS"  
Laura – Women's Bow Saw  
Wes – Air Photogrammetry*

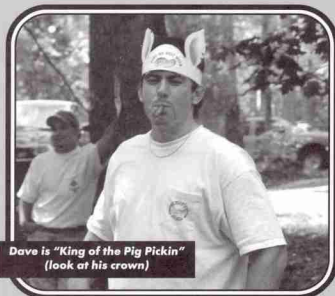




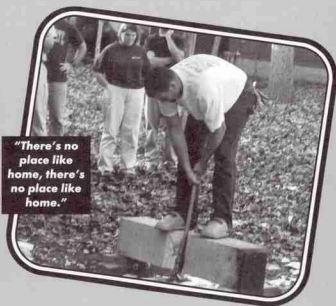
We went to a party and a Conclave broke out.



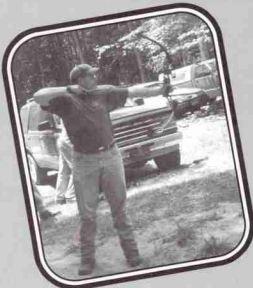
TR was in the wrong place  
at the wrong time.



Dave is "King of the Pig Pickin"  
(look at his crown)



"There's no  
place like  
home, there's  
no place like  
home."



# DEPARTMENT OF PARKS, RECREATION AND TOURISM MANAGEMENT

**Dr. Phillip S. Rea, Department Head**



**W**hile Y2K and the New Millennium proved to be big news items for the 1999-2000 academic year, the Department of Parks, Recreation and Tourism Management continued its simple quest to be the best program in the United States for future park, recreation and tourism management professionals. Since nothing significant can be accomplished without good people, the Department increased its strength by adding three individuals in the past year that will help us achieve our goals. At the same time, we lost two people that

contributed so much to the Department for over 50 years.

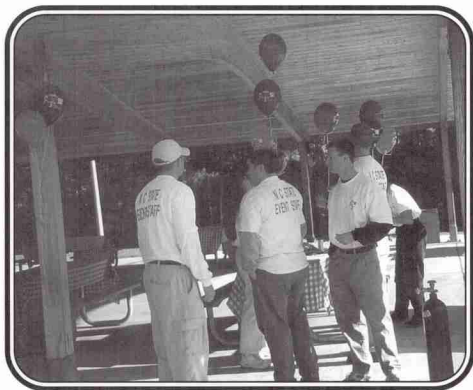
The Department added three new faculty members during the past year: Dr. Nancy McGehee, Dr. Candace Goode, and Dr. Yu-Fai Leung. Dr. McGehee joins NC State from Concord College in West Virginia, where she served as an instructor in the tourism industry program. Her background includes an undergraduate degree in sport management, a master's degree in PTM from NC State, and master's and Ph.D. degrees in Sociology from Virginia Tech University.

Dr. McGehee will focus her teaching in the areas of sport management and tourism.

Dr. Candace Goode joined PTM as a permanent member of the faculty on January 1, 2000. Previously, Dr. Goode served in the NC State 4-H and Youth Development program while directing the Recreation Resource Service in the Department of Parks, Recreation and Tourism Management. Dr. Goode earned her B.S. and M.S. degrees in Recreation Resources Administration from NC State, and her doctorate in the Recreation and Park Administration from Indiana University. She will continue to direct the RRS program, and will serve as the Department's undergraduate curriculum coordinator. She will also teach in her areas of specialization which include administration, budget management, and evaluation.

Dr. Yu-Fai Leung joined the faculty after earning a Ph.D. in Forest Recreation from Virginia Tech University, where he also developed a major research program on the environmental impacts of recreation users. Dr. Leung will teach in the area of planning, including Geographic Information Systems (GIS), and will develop a course on the impact of recreation users on natural resources.

The Department, as well as the park and recreation profession, suffered a tremendous loss with the



## DEPARTMENT OF PARKS, RECREATION & TOURISM MANAGEMENT

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

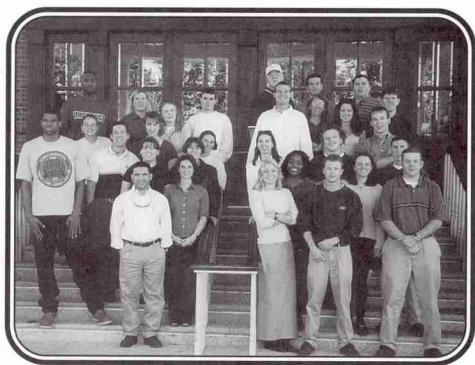
passing of both Tom and Jane Hines during the past year. Professor Tom Hines established the Department of Rural and Industrial Recreation, the original name of our program, in 1947 and served as its head until his retirement in 1978. One of Professor Hines' greatest achievements was creating a series of professional development programs that have served as the model for other universities and professional organizations across the United States. Known as "schools," the programs involve a weeks instruction each year for two years at Oglebay Resort Park in Wheeling, West Virginia. Over 10,000 park and recreation professionals completed NC State certification programs at Oglebay Park.

Michael Meiners, Office Assistant for the past 17 months, resigned to take another position within the College. While Michael will be sorely missed as a member of the PRTM staff, he will still be involved with the Department in that he has entered the master's degree program in Natural Resources Management and will focus his studies on the Geographic Information Systems (GIS).

Ms. Annette Moore was selected as the Outstanding Teacher in the College of Forest Resources for the 1999-2000 academic year. Ms. Moore has received the Department's Outstanding Teacher Award on two occasions, even though serving as a part-time faculty member. Annette will join the Department as a full-time faculty member effective in the Fall of 2000.

Academic programs remain strong with 270 undergraduate students, 50 master's students and four students enrolled in the Department's new Ph.D. program. Undergraduate and master's enrollment is expected to stay at current levels with steady growth expected in the Ph.D. program over the next five years.

The faculty conducted a major review of the undergraduate



curriculum during the past year, resulting in changes designed to provide greater depth of knowledge in the concentrations. The new curriculum will go into effect with students entering the program in the 2000 fall semester.

A major new initiative that proved to be very successful during the past year was the creation of a Development Committee to raise funds for student scholarships. Mr. Jack "Swede" Frauson, a retired North Carolina recreation consultant, serves as Chair of the Development Committee which raised \$135,000 in endowed scholarships that will be used to recruit students with outstanding potential for careers in the parks, recreation and tourism professions.

Students continued two major traditions in the Department: the Job Fair and the Spring Awards Banquet. The Job Fair, under the direction of Barbi Tart, a PRTM graduate student, attracted 65 employers with over 900 students from across campus in attendance. The Spring Banquet was still in the planning stages as the *Pinetum* was being developed. In addition, six students attended the National Recreation and Park

Association Congress in Nashville, Tennessee, while 20 students participated in the annual Outdoor Recreation Consortium in the Great Smoky Mountain National Park. Other professional development programs attended by students included the National Conference on Festivals and Special Events, the Georgia Southern University Sport Management Conference, the School of Sports Management, and the North Carolina Recreation and Park Society Conference.

The faculty and staff in the Department of Parks, Recreation and Tourism Management have always strived to create a small college environment at a major university. We are proud that we know most students by their first name and that we have a loyal alumni group that is always willing to lend assistance to the Department and to fellow alumni. For those students that are graduating, we hope you will stay in touch with us as your careers and personal lives evolve in the years to come, and we will keep you informed about the Department and your classmates through our Alumni Newsletter.



# ***Parks, Recreation and Tourism Management Graduates***

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## *Bachelor of Science in Parks, Recreation and Tourism Management*

### **• December 1999 Graduates**

Anthony Martyn Betts  
Brian David Bishop  
Angela Michele Brady  
Scott Robert Brannan  
Audrey Michelle Degenhardt  
Todd William DeMikes  
Andrew Michael Ferguson  
Laura Melissa Ferguson  
Tradd Michael Hankins  
Holly Ann Hendricks  
Edith Bell Henninger  
Kristina Marie Henriksen  
Kurt Allen Jensen  
Amy Christenberry Keene  
Abbie Kathleen Leopold  
Christopher Michael Murphy  
Sara Elizabeth Patterson  
Linda Sue Pshigoda  
Sebastian Andres Rodriguez  
Amy Allison Rose  
Brian Jeffrey Smyrski  
Brent Martin Swartz  
Mohamed Bilal Ullah  
James Andrew Walker  
Edward Joseph White Jr.  
Julie Ann Wilhelm  
Richard Donald Yost

### **• May 2000 Graduates**

Scott Randall Aldrich  
John Richie Axberg  
Elisabeth Wilson Bengala  
James Kurt Blackmon  
Megan Danielle Brown  
Laura Marie Bryson  
Jeanne Marie Bua  
Camille Herbosa Cholerton  
Jason Christopher Cline  
Lee Bryant Craft  
Scott Andrew Earwood  
Summer Elizabeth Erb  
Joel Aaron Freedman  
Dustin Oneal Gaines  
Christopher Grabowski  
Margaret Elizabeth Graves  
Hannah Danielle Hamilton  
Andrew Jay Hastings  
Eric Ray Hyder

Styron Jackson Jarvis  
Douglas Wayne King  
Jeffrey Hale Kuh  
Michael Eric Kyle  
Lindy Elizabeth Leeth  
Johnny Lam Lew  
Robert Jeffrey Louthan  
Yolanda Donisha Lytle  
Cristina Marie Maldonado  
Stephen Robert Mason  
Chad Evertt McAdams  
Christine Elizabeth McNally  
William Mingo  
Emmett McBrannon Page  
Elizabeth Ann Pezzullo  
Elizabeth Scott Pollard  
Joel Addison Prince  
Patricia Wal Robertson  
Ronald F. Rost, Jr.  
Allen Edward Scarce  
Alma Michelle Serra  
David Painter Sherrill  
Joseph Brent Shimmel  
Heather Lee Simmons  
Hilary Susan Smith  
Lila Marie Smith  
Steven David Spampinato  
Joseph Steven Surratt  
Shantay Maurice Taylor  
Elizabeth Lauren Wilson  
Elizabeth Reid Winchester  
Elizabeth Grace Winstead

## *Master of Parks, Recreation and Tourism Management*

### **• December 1999 Graduates**

Paula Jan Payne  
Teri Michelle Whyte Scott  
Mark Daniel Stevens  
Laura Kennaugh White  
Lee Garrett Willaford

### **• May 2000 Graduates**

David Franklin Allred  
Joey Gray  
Abbie Elizabeth Grenert  
Michael Lawrence Herb  
Gregory Andrew Hosier  
Leonard Keith Jenkins  
Patrick Henry Joyce  
Jeanne Marie LaPlaca  
Jody Lynn Moylon  
Snow Loy Roberts

## *Master of Science in Parks, Recreation and Tourism Management*

### **• December 1999 Graduates**

Christy Mingis Cornell  
Amy Shue Hays





# What is SRA?

Scott Haire, SRA President 1998-1999

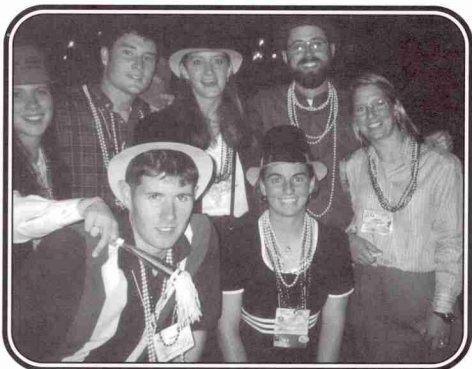
**W**ondering just what SRA is? Officially, SRA stands for Student Recreation Association and is the majors club for the department of Parks, Recreation and Tourism Management. Although the primary purpose of SRA is to provide activities and social events for recreation faculty, staff and students, SRA is also open to any other faculty or students who are interested in participating.

Our purpose is broad. We strive to promote interest and appreciation of recreation; encourage fellowship among students; develop student and faculty interaction; inform students of opportunities available to them; form and spread interest in the Parks, Recreation and Tourism profession to students within the department and throughout the university; and finally, to provide services within the PRTM department and/or outside the organization that involve recreational or environmental characteristics.

As you can see, that's a tall order to fill. And you may be wondering just how SRA is going to fill this order. Well, we're going to start out with lots of varied opportunities for YOU—many of which will be posted on this web page. From the weekly P.O.E.T.S. get together, to the combined SRA/Rho annual picnic, or the Rho/SRA professional guest speaker series, there will be many chances for you to get involved!

I encourage you to talk with past members, faculty, or any 1999/00 officer to get the low down on SRA. Check out meeting dates and times, activities and everything going on in this month's newsletter. I think you'll be impressed!!

President	Tim McAllister
Vice President	Nicole Lewis
Recording Secretary	Brandy Allred
Correspondence Secretary	Angela Stephens
Treasurer	Matt Robbins
College of Forest Resources Council Representative	Andrew F. Brown, III
Special Events Coordinator	Frank Rhodes
Historian	Meredith Dixon
Professional Development Officer	Peggy Mills



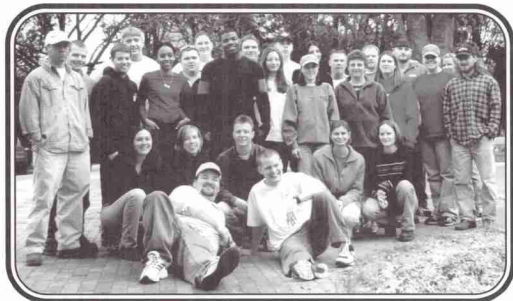
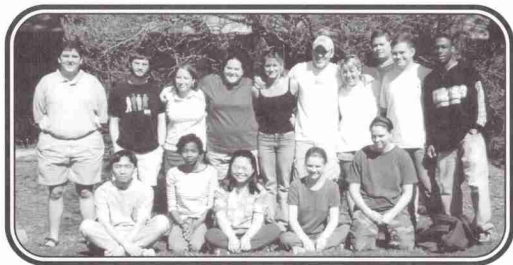
## Outdoor Recreation Consortium

**F**or Parks, Recreation, and Tourism Management students, the spring semester denotes the offering of the Outdoor Recreation Consortium (PRT 491M) course. This distinct class provides students with a theoretical and active learning experience dealing with a wide range of current topics facing outdoor recreation and tourism development. Culminating with a week-long trip to the Great Smoky Mountains National Park, students experience and apply day-to-day management and planning activities of the most visited national park. The

Great Smoky Mountains Institute at Tremont and the National Park Service host the Consortium which consists of five university departments of parks, recreation, and tourism management, NC State, Penn State University, Indiana University, University of Missouri and Western Illinois University. This year marks the program's twenty-fifth year.

After several fund-raising efforts, students awaited the much-anticipated trip. The weekly schedule included a variety of presentations on current issues facing the Great Smoky Mountains National Park, specific

tracks (ecosystem management, environmental health and monitoring, adventure recreation/challenge education, environmental education, and commercial recreation), and programs relating to the overall park and recreation field. The attendees of this year's Consortium included the following: Dr. Roger Moore, Dr. Aram Attarian, Adam Worley, Eric Turbeville, Jason Peterson, Lila Smith, Liz Elliott, Mary Chandler, Nicole Lewis, Shanna Davis, Snow Roberts, Steve Garrett and Travis Silver.



# What is Rho Phi Lambda?

*Composed by Andrew Powers, former Rho President,  
Scott Aldrich, current Rho President and Annette Moore, Rho Faculty Advisor*

The NC State Rho Phi Lambda club is the Alpha Chapter of this national honor fraternity. During the 1958 fall semester, Professor Thomas I. Hines, Head of the Department of Recreation and Parks Administration, of the School of Education, at N.C. State College, selected the 11 seniors in the curriculum with the highest scholastic standing to serve as a committee to formulate and design a professional, honorary fraternity for outstanding students. These 11 became charter members of the Rho Phi Alpha Honor Fraternity. In 1985, Rho Phi Alpha merged with Sigma Lambda Sigma, another professional recreation honor fraternity, begun at Florida State University. Since the NC State chapter was the oldest, it became the Alpha Chapter of the newly formed Rho Phi Lambda. Scholarship, Leadership, and Service are the backbone of the North Carolina State University Alpha Chapter of Rho Phi Lambda.

Rho Phi Lambda is the honor society for the Department of Parks, Recreation and Tourism Management. PRT students who have completed 9 credit hours in PRT, and have at least a 3.2 GPA in the department, and 3.0 overall GPA are eligible to join Rho.

As a PRT student organization, we are interested in promoting our department and our profession, and to serving both. Our major projects for this year are continuing a monthly speaker series, assisting with the coordination of the annual Job Fair, and peer advising. We plan to join SRA in several functions throughout the year as well.

As a club, Rho Phi Lambda strives to provide opportunities for personal and professional enrichment of its members. Active Rho members often receive financial support to attend professional conferences and meetings. We are always looking for avenues to better equip Rho members for the profession, and we have a lot of fun doing it!

## 1999 – 2000 Activities and Accomplishments

The year 1999-2000 has been a very exciting one for Rho Phi Lambda. We began the year with our annual 'Pig Pickin' in Pullen Park. This event took place in September and was cosponsored by Rho and the Student Recreation Association (SRA). The 'Pig Pickin' helped boost active membership in both clubs, as well as enabling PRTM students and faculty to get to know one another better.

Rho Phi Lambda continued to sponsor a professional speaker series for the department. This year has already seen a variety of speakers including Carolina Hurricane's Senior Marketing Director, Ken Lehner, as well as members of the NC State Intramural Department. This program gives students the opportunity to expand their knowledge and make important professional connections.

The 2000 Job Fair is always a huge project. Midway through fall semester, we began making preparations for our annual PRTM Job Fair. Rho member, and current graduate student Barbi Tart, coordinated this year's event. Several hundred agencies were contacted and

invited to attend the one-day function. Follow-up calls were made and finalized during the end of fall and early spring. An enormous effort was made to inform students, campus wide, about the Job Fair. In addition to the Job Fair, Rho Phi Lambda sponsored the 2<sup>nd</sup> Annual Job Placement Reception. This reception provided an opportunity for PRTM students to interact one-on-one with agency representatives in a more formal setting. Students were offered twenty-minute interview blocks with 22 participating agencies.

Both fall and spring semester, members of Rho Phi Lambda had the opportunity to do peer advising for students in PRT 152, Introduction to Parks, Recreation and Tourism Management. Rho members offer advice on courses and encourage departmental involvement.

Rho will also sponsor the annual Spring Banquet in March. Both past and current PRTM faculty, staff, and students are invited to attend this professional banquet. Members of the community and former professionals in our field all come together for an evening of fun and fellowship. It provides professionals a great opportunity to meet and talk with students and future college graduates.

## Officers 1999-2000

President: Scott Aldrich  
Vice President: Beth Bengala  
Secretary: Lila Smith  
Treasurer: Jennifer Marsh  
CFR Council Representative: Liz Elliott

# WOOD AND PAPER SCIENCE

Dr. Michael Kocurek, Department Head



## PAPER SCIENCE AND TECHNOLOGY

Congratulations to the December 1999 graduates for achieving 100% placement, with starting salaries ranging from \$45,000 to \$51,000. This strong performance is due to a combination of strong academics, intern experience, and professional development/communication skills of the students. It is also an indicator that the Forest Products Industry is on the upswing after lower performances in 1997-99. Also, congratulations to Hasan Jameel, who was a co-recipient of NC State Alumni Distinguished Professor and the College's Outstanding Teacher for 1999.

Approval was given by the University System's General Administrator to offer the 100% Distance Learning based *Master of Wood and Paper Science Degree*. This is the first and only degree of its kind in the industry.

In order to remain competitive as the best joint program in Paper Science and Chemical Engineering in the U.S., the paper science faculty made significant revisions to the undergraduate curriculum. These changes are intended to increase

critical thinking, communications, troubleshooting, and research skills while also increasing emphasis on paper chemistry and new product development fundamental.

## CURRICULUM 2000 New and Revised Curriculum Courses

- Introduction to Pulp and Paper Technology
- Paper Properties and Troubleshooting
- Paper Physics and Product Development
- Wet End Colloidal Chemistry
- Seminar Research
- Aqueous Coating and Printing (elective)
- Packaging and Converting (elective)

Industry competitiveness will depend on new innovative and lower cost products. This curriculum is now the strongest program in these areas.

## WOOD PRODUCTS

Congratulations to the May and December 1999 graduating classes for achieving 100% placement. Most students received multiple offers. Summer intern and Co-op positions

outnumbered available candidates. An in-depth alumni survey indicated graduates were very satisfied about their education.

## WOOD PRODUCTS ALUMNI SURVEY

- 89% of respondents agreed or strongly agreed that the Wood Products courses were useful in preparing them for their first job after graduation.
- The technical-based wood science fundamentals were deemed important and meeting graduates needs.
- Areas for increased emphasis, based on importance, included people skills, plant infrastructure, problem solving, financial, computer, and speaking skills.

All of this indicates a strong academic program. To remain highly competitive, the Faculty will be considering formal options in (1) Marketing and Business, and (2) Manufacturing. Congratulations also to Dr. Elizabeth Wheeler, co-recipient of NC State Alumni Distinguished Professor.

## DEPARTMENT OF WOOD & PAPER SCIENCE

professional education focusing on science, engineering, and technology

# Wood and Paper Science Graduates

## Pulp and Paper Technology

*Bachelor of Science in Pulp and Paper Science and Technology*

- May 2000 Graduates
  - Ryan Renard Burgess
  - Neil Patrick Caudill
  - Amy Marie Darchuk
  - Tanya Shakira Davis
  - Keith Alan Donaldson
  - Chen Chun Fan
  - Jeffrey Alan Goodwin
  - Rebecca Shea Graham
  - Brian Wells Jones
  - Jeffrey Earl Jordan
  - Bryan Anthony Laney
  - Miranda Renee Martin
  - Lorraine Elizabeth Montgomery
  - Cameron Ray Morris
  - Kimberly Crenise Newman
  - Joanna Beth Shapiro
  - Ashley Lauren Smith
  - Cynthia Catherine Staton
  - Michael Stephen Vance
  - Arthur Franklin Welker
  - Cynthia Camille Winston



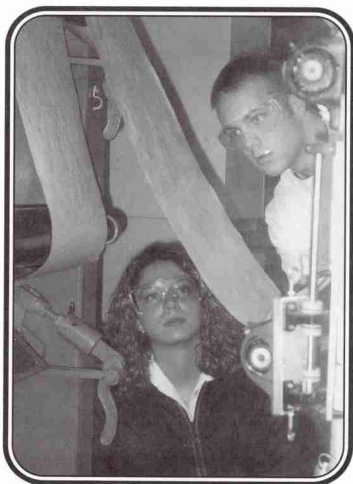
### WOOD PRODUCTS SENIORS

*Front row (l-r): Philip Kornely, Thad Weaver, John Scott (kneeling). Middle row: Joe Judge, Matt Staton, Scott Carter, Karen Knight. Back row: Matthew Martin, Chris Gabel, Brian Furnas, Chad Leggett. Not pictured: Brian McKenzie, Jason Higgins.*

## Wood Products

*Bachelor of Science in Wood Products*

- December 1999 Graduates
  - Shane McDade
- May 2000 Graduates
  - Scott Nicholas Carter
  - Jason Lee Higgins
  - Joseph John Judge, Jr.
  - Karen Ramona Knight
  - Philip Anthony Kornely
  - Brian Howard McKenzie
  - Jonathan Brian Scott
- Summer 2000 Graduates
  - Brian Furnas



## Wood Products Summer Practicum — 1999

The Wood Products Summer Practicum gives students in the Wood Products curriculum a chance to gain hands on knowledge of wood working machinery in Hodges Laboratory. It is also the first look for most students at the many opportunities in various wood products industries. The practicum is an intense five-week course that consists of 8+ hour days of classroom and hands-on learning.

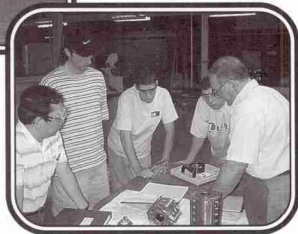
Four weeks of the course were spent both in the classroom and in Hodges Laboratory covering the following topics: Drying, Machining, Gluing, and Finishing. Dr. Perry Peralta discussed the drying portion, Dr. Myron Kelly discussed the gluing portion, and William Bryan discussed the machining and finishing portions in the classroom and in the lab. Dr. Tony Lapasha, Bill Swint, and Keith

Barrow assisted in the machining portion of the lab. Half of each day for two weeks was spent machining parts to construct a three-drawer bachelor chest. We had a final exam on machining and drying at the end of the first two weeks. During the latter two weeks, the parts were sanded, assembled, and finished. Some parts were also made for the next summer's practicum.

The fourth week of the practicum was spent on the road touring numerous plants in North and South Carolina to get a first hand look at the vast array of industries relating to wood products. On the first day, we visited J.L. Sizemore and Sons Lumber Company, Miller Desk, and Commercial Carving. We visited Decorative Specialties, Genwove US LTD, and Williamette Plywood on the second day. Sumter Cabinet

Company, VB-Williams Furniture Company, Carolina Furniture Works, and La-Z-Boy were visited on the third day. Day four consisted of visits to Darlington Plywood and a Williamette MDF plant. We then came home for the weekend and visited Perstorp, Gaylord brothers, and This End Up Furniture Company the following Monday.

The final few days of the practicum were spent putting the finishing touches on our chests and studying for the final exam on gluing and finishing. After spending long days, including two Saturdays, in the classroom and lab, we had a better feel for the available opportunities in the wood products industry and we had constructed a fine piece of furniture.





# Forest Products Society

**Brian Furnas, President**

**T**he NC State University student chapter of the Forest Products Society had another great year. We continued the tradition of having an orientation cookout to get freshman and sophomores involved in the club early in the school year. This was a big success; we had much better participation than we have had in past years.

Since FPS and the Wood Products Program are tied together so closely, the club takes on some Wood Products matters as well as the normal club matters. This year, as well as in past years, FPS helped out with recruiting new students into the Wood Products Program. We attended both the First Year College Majors Fair and the NC State Open House for incoming freshman. Another thing that FPS does annually to help students in Wood Products, is to put together a student/faculty phone and email directory with all of the people in our program listed.

Club meetings were held approximately every two weeks.

There was a speaker at every meeting. Most of the speakers were from the wood products industry, and they came in and told us about their company.

Usually when someone from industry came in to talk to the club, they interviewed students the next day for either full-time positions or internships with their company. The other type of speaker we try to have is people who can tell us about issues related to landing a job, or what it will be like out in the "real world" after we graduate.

FPS would like to thank the following speakers for speaking at meetings this year: Jim Burnette and Joe Outlaw from New South Inc., Dr. Joe Denig from NC State Wood Products Extension, Walter Jones from the NCSU Career Center, Gene Kropfelter, Josh Herring, Michelle Hedgecock, and Alan Jones from Champion International, and several



others who have not been scheduled at the time this was written but will speak during the spring semester.

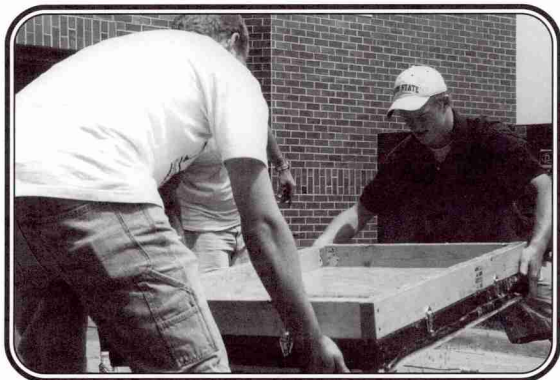
One of the goals Forest Products Society had for this year was to

become more involved in service activities. We decided that we would volunteer for a couple of Saturdays to work on a Habitat for Humanity house, and we also plan to help out with Service Raleigh in the spring.

FPS had two fund-raisers this year. The first was in the fall, when we served lunch at the CNC router short course put on by Wood Products Extension. The second was selling an FPS/Wood Products T-shirt.

## 1999/2000 Officers

President: Brian Furnas  
Vice President: Joey Pavia  
Treasurer: Jon Scott  
Secretary: Scott Carter  
CFR Council Reps: Jonathan Owens  
Matt Staton



**T**APPI has used this year to its advantage. We started out the year with rigorous campus recruiting. We acted as the liaisons between the students of the Paper Science Department and the Industry Recruiters. We planned pre-night interviews for over 20 different companies. TAPPI members also participated in "Paper Express." This is an event where Paper Science students got to go to Apex Elementary School and teach K-5 graders about the Paper Industry and how to make paper. It was enjoyed by all and we have been asked to go back next year.

TAPPI went on two major trips this past year. This first one was the weekend of January 15-17, 2000. Students from NC State University's TAPPI/PIMA Chapter traveled to Richmond, Virginia to participate in the 3rd Annual PIMA Student Summit. PIMA is the Paper Industry Management Association. At the Summit, students were joined by other students from PIMA chapters from universities such as Auburn, Miami of Ohio, Western Michigan, and the Institute of Paper Science. Together the students participated in panel discussions on topics such as "The Knowledge Revolution: How it



*TAPPI/PIMA members attend 2000 PIMA Student Summit in Richmond, Va.*

will Affect Your Personal Challenges and Professional Opportunities." "The Industry of Tomorrow," and "What management expects of its new employees." Students were also treated to tours of Smurfit-Stone, Bear Island Paper, or St. Laurent Paperboard facilities. The Summit was a huge success and many are looking forward to next year's Summit.

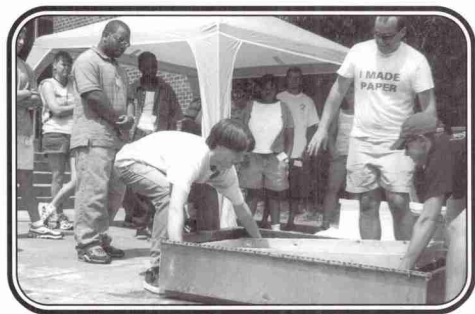
March 4 - March 7 TAPPI students traveled to Washington, DC to participate in the TAPPI 2000 Recycling Symposium. Students were able to get leading information on recycling technology and they also

had the chance to network with the leading manufacturers and suppliers in the paper and related industries. This was a great event for everyone to network and meet the industries leaders. We participated in seminars ranging from "Toner Deinking and Bleaching" to "Wax Removal from OCC." The TAPPI Student Chapter has also done very well at participating with the Virginia-Carolina Section of TAPPI by attending two meetings in Lynchburg and Williamsburg, VA. There has been much enthusiasm among the officers, which has been passed on to the Paper Science Students.

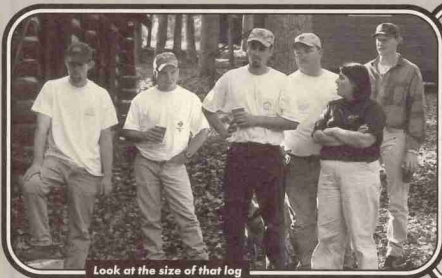
We ended out the year with the Officers retreat. This is where the old officers were able to show the new officers how the organization is run. It was a big success and the new officers are ready to start off a New Year.

## **TAPPI OFFICERS 1999 - 2000**

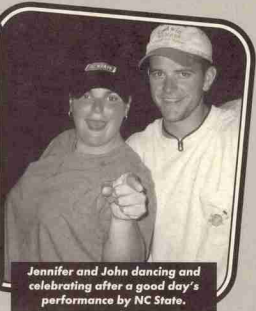
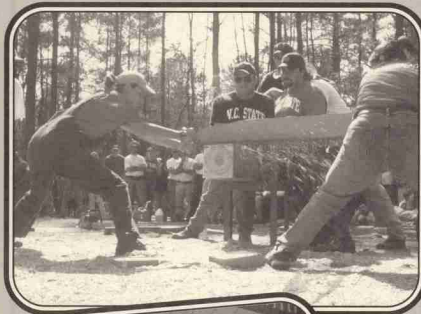
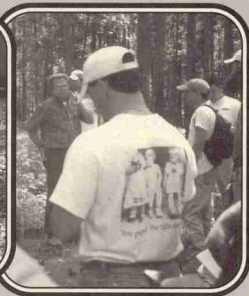
President: Mark Chipley  
 Vice-President: Natalie Thompson  
 Secretary: Rebecca Graham  
 Treasurer: Justin Rice  
 Programs Chair: Cynthia Staton  
 Publicity Chair: Julie Chang  
 Activities Chair: Robert Lowe  
 Mentorship Chair: Neil Caudil  
 Forestry Council Rep: Tanya Davis  
 Paper Express Chair: Marianne Rieg  
 Senior Class Rep: Jeff Jordan  
 Junior Class Rep: Randall Pittard  
 Sophomore Rep: Emily Hafer  
 Freshman Class Rep: Jeff Moffat



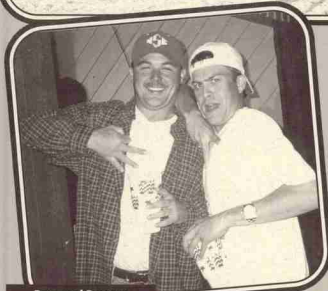
*Incoming freshmen in Pulp and Paper Science make handsheets.*



**Look at the size of that log**



**Jennifer and John dancing and celebrating after a good day's performance by NC State.**



**Pete and Bennett  
Some of Tarboro's finest**

### **Editor's Note**

The *Pinetum* Journal is a yearbook for the College of Forest Resources that is produced by the students. All of the material included in the journal is collected or created by CFR students. You might say, without the students and their contributions, there would be no *Pinetum*. Therefore, I would like to extend my thanks to everyone who contributed to the production of this yearbook, especially to: the CFR Council members who provided the text for articles and pictures for their clubs, organizations, and events and to Debbie Savage for providing her time and expertise in scanning the many photographs into electronic file format. Of course, the final product wouldn't be of the high quality that it is without the efforts of Viki and Pam at Piedmont Litho. Thank you to everyone for making my job so easy.

*Cindy Carr*