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PINETUM

JOURNAL OF THE COLLEGE OF FOREST RESOURCES



PINETUM

1992-1993

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Dean's Perspective

By : Larry W. Tombaugh

General Maxwell Thurman is an Executive - in - Residence here at North Carolina State University. A story was told about General Thurman at Governor Hunt's Emerging Issues Forum in February that I believe deserves repeating.

At one point in his career, he was in command of a significant U.S. Army unit in Alaska. He was about to go on extended assignment elsewhere when he was approached by a junior officer. "General Thurman," asked the man who was about to be put in charge, "What should I do while you are gone?"

General Thurman replied, "Refer to Rule 13!"

"What the heck is Rule 13," asked the junior officer.

Thurman replied, "When you are handed a command, grab it and lead!"

"But how will I know what to do?"

Thurman replied, "Refer to Rule 14!"

"What in the world is Rule 14?" asked the nervous junior officer.

In his most clipped military style, General Thurman answered, "Do what's right."

The junior officer was Norman Schwarzkopf, and he apparently has never forgotten that episode.

If we are doing our jobs correctly, all of us on the faculty and in the administration of the University are instilling this same lesson on our students. Never before has the nation cried out more loudly for effective leadership. Never before has there been a greater need to balance the commercial uses of our natural resource base -- whether for commodity production or for recreation and leisure uses -- with the maintenance of a sustainable environment.

This year, we have initiated a program entitled the Alfred I. Dupont Distinguished Leadership Series. Our goal is to bring a constant stream of proven leaders from a variety of walks of life to meet with our students. Our Fall speaker was Dr. Norm Johnson from Weyerhaeuser Corporation. In the Spring, Scott Wallinger, Senior Vice President of Westvaco, will be our guest. Our objective is to allow our students to meet and talk with people with demonstrated leadership skills and learn from them -- to watch first - hand how they look, act, and think.

The issue of doing what's right is inextricably tied to leadership. It seems to me that integrity is one of those characteristics that is universally valued, but it is also one that is particularly difficult to recover once it is lost. Over the past few years, we have witnessed several examples of people who appeared to be highly successful leaders but, because of breaches of integrity, had built their success on foundations of sand.

There is considerable discussion on campus now about the issue of academic integrity. This discussion ties in logically with the extended and welcome discussion going on nationally about professional ethics.

A challenge for all of us on the faculty of this college is to constantly be serving as role models that put a premium on integrity and professional ethics.

Many universities offer courses and degree programs in forestry, parks and recreation, or wood products. One of the things that I hope distinguishes our programs here is an emphasis on leadership and corollary emphasis on integrity. If these emphases are pursued effectively, the details of the various programs will readily fall into place. And our graduates will be fully prepared to take command when they have an opportunity and to do what is right.



"Never before has there been a greater need to balance the commercial uses of our natural resource base..."

Department of Forestry Highlights

By: Dr. Art Cooper

Activities in the Department of Forestry during the past year have in many ways reflected events outside of the University and in the larger field of natural resource management.

Enrollment in the department's undergraduate programs rose 20% over that in 1991. In the graduate program the increase was 12%. These increases are heartening because they suggest heightened student interest in natural resources. Trends in undergraduate enrollment increase show that much of this increase was in the newly created natural resources program. We expect that trend to continue. In talking with students, we find many who are deeply interested in natural resources but who are not too excited by mainstream forestry. In this regard they mirror the world outside the university where we also find skepticism about the work of foresters. Much of this skepticism stems from ignorance as to what foresters do and how they are trained as well as from the difficulty foresters have incorporating change into their thinking.

It is clear our program is faced with a dual challenge. On the one hand we must create in our natural resources program a major which has the rigor as the forestry degree but which provides a broader overview of the field of natural resource management. On the other hand, we must continue our strong program in forestry while placing even greater emphasis on resource integration and on the relation of forest management on other resources.

One thing is certain for both professions. Although they must first be based on sound ecological principals, they must also incorporate sound economic reasoning and a concern for the social implications of management. Each student must also be able to articulate clearly a land ethic and must be guided as a professional by an ecological conscience.

Our students have had a most successful year. Both the Forestry Club and the Society of American Foresters have been active, holding meetings in which speakers discussing professional issues and activities were the centerpiece. Fifteen students attended the National SAF meeting in Richmond in October. Each came away with a clearer picture of what it means to be a professional and of the issues being debated by professionals.

In the spring of 1992 the department began a program of outcomes assessment which will be initiated on a University - wide basis during the coming year. This program is designed to find out through the use of variety of techniques whether our curriculum is meeting it's objectives and whether our students are gaining the knowledge and skills our courses are designed to impart. The program began when several outside

professionals participated in the grading of students in For 406 and , in addition, provided me with an assessment of how well

students in 406 seemed to have the knowledge we believe they should have. This was followed by exit interviews with all graduating seniors. During the spring of 1993 we will continue this program and expand it to obtain similar information from our recent (and not - so - recent) graduates. So far, a number of valuable pieces of information have emerged from this self - analysis and changes have and will be made to reflect what we have learned.

This exercise clearly fits within the departments philosophy of providing a rigorous, up - to - date education in natural resources and forestry. Our program is continually being revised to meet that objective. Such a philosophy is essential if our graduates are to be prepared to enter their profession, to compete effectively for jobs, and perhaps most important to be in a position to exert a positive influence on our society's management of it's precious natural resources.



" Each student must be able to articulate clearly a land ethic & must be guided as a professional by an ecological conscience. "

Department of Parks, Recreation, & Tourism Management

By: Dr. Phillip S. Rea

The 1992 graduating class represented 40 consecutive years that N. C. State University has prepared professionals for positions of leadership in fields relating to recreation, parks, and tourism. While there are over 20 colleges and universities in North Carolina, and over 200 throughout the United States that provide recreation related degrees, N. C. State continues to gain recognition as the premier program within the State and one of the top programs in the Nation. The success of our graduates is well documented and based on the quality of our current students, there is every reason to believe N. C. State will continue to provide leaders for the growing opportunities related to parks, recreation and tourism services.



A number of PRTM students distinguished themselves during the past year through their success in acquiring competitive scholarships. At the undergraduate level, Lori Marlow and Rick Hardy received two of the five scholarships awarded by the North Carolina Recreators' Foundation. Rick also received a scholarship to attend the

Travel Industry Association Conference in Seattle, Washington.

Four PRTM graduates received competitive scholarships during the past year. Nancy McGhee's masters thesis was selected as the outstanding research project by the Travel and Tourism Research Association while Paulette Barrett received the Graduate Student Scholarship awarded by the North Carolina Tourism Education Foundation. Lynn Alender and Cindy Trumbower were co-recipients of the first Fred Fletcher Graduate Scholarship presented by the North Carolina Recreators' Foundation.

The Recreation Majors' Club and Rho Phi Lambda co-sponsored the annual spring banquet, which turned out to be a very special occasion as David Lee, a 1992 PRTM

graduate, introduced the key note speaker, Mr. Boyd Lee, Director of Parks and Recreation in Greenville, N.C. Boyd Lee is David's father and a 1967 graduate of the department.

The recreation Majors Club and Rho Phi Lambda were very active during the past year. With Lori Marlow and Rick Hardy, respectively, serving as presidents of those organizations, students organized a job fair and participated in white water rafting, special seminars, pizza parties and numerous professional conferences.

A PRTM alumni association was organized in 1992 to provide support to the department in developing scholarships, sponsoring social events at professional conferences, to assist in recruiting outstanding students to raise funds for physical improvements. Boyd Lee (B. S. 1967) serves as the organizations first president.

Two PRTM faculty members received special awards during the past year. Dr. Beth Wilson was selected as the Outstanding Teacher in the College of Forest Resources and Dr. Larry Gustke received the first Outstanding Faculty Award during the N. C. Tourism Education Foundation.

Fifteen students traveled with Dr. Roger Moore to participate in the 16th annual Outdoor Recreation Consortium at Land Between the Lakes in Golden Pond, Kentucky. Other universities participating included Indiana University, Penn State, Western Illinois and the University of Missouri.

Several PRTM faculty assumed leadership roles during the 1992-1993 academic year. Dr. Carol Love served as chair of the Wake County Park and Recreation Board, Dr. Wilson was selected as a charter member of the board of directors of the new Leisure and Aging Division of the National Recreation and Parks Association, Dr. Phil Rea was elected president of the society of Park and Recreation Educators and Dr. Larry Gustke served as president of the Southeast Chapter of the Travel and Tourism Research Association.

Ms. Reggi Powell, PRTM administrative secretary, received the Distinguished Performance Award for the College of Forest Resources in recognition of her outstanding support of the faculty, students and alumni. Reggi's unselfish dedication to PRTM provides a reminder of the type of quality service attitude that is so important for success in contemporary organizations.

N. C. State lost an excellent teacher during the past year when Dr. Shirley Harper resigned for personal reasons. Ms. Kathy Hamilton-Brown, a recreation consultant for the state of Virginia, will join the PRTM faculty in July of 1993.

Ms. Brown has taught at Virginia Commonwealth University and is recognized as an excellent teacher.

Ms. Rosa Burt joined the department as an accountant and secretary to the graduate program in 1992 to replace Ms. Miriam Everett who left the department to take a higher position in Wood and Paper Science.

In all, the 1992-1993 academic year was very good for the department of Parks, Recreation and Tourism Management as many excellent students entered the program to replace those graduating. After 40 years of graduating recreation, parks and tourism managers all evidence points to a continuation of a rich tradition in North Carolina and across the nation.

Department of Wood & Paper Science

By : *Dr. Richard Thomas*

The 1992-1993 Academic Year was another year of change for the department. The arrival of freshmen and subsequent graduation occurs often and is an expected annual outcome. Faculty changes are a much rarer occurrence. Thus this year is remarkable in that 1 retirement and 2 faculty additions took place.

A noteworthy change was the retirement of Dr. Irving Goldstein on June 30, 1992. In 1971, Dr. Goldstein was appointed Professor and Head of the Department. Seven years later he resigned as Head to administer a large Natural Science Foundation research grant awarded to him. The research objective was to develop improved process technology for the conversion of cellulose to ethanol. His work showed that when this process is applied to the cellulosic content of municipal waste that it is suitable for recycling to paper or is surplus, and has a zero or negative cost because of low tipping fees, the cost of ethanol production is much lower than of ethanol produced from corn. The technology has promise of ameliorating the solid waste disposal problem, while providing fuel alcohol to decrease urban air pollution without contributing to global warming. For these accomplishments, Dr. Goldstein was awarded the first Alvin J. Huss Award presented by the American Paper Institute. A prize of \$10,000 accompanied the award. Dr. Goldstein is maintaining an office in the department and continues to participate in selected departmental activities.

Another personnel change was employing Dr. Bohumil Kasal as an Assistant Professor with responsibilities

for teaching and research in the area of wood mechanics and timber engineering. Dr. Kasal earned his PhD from Oregon State University. He has considerable experience in the testing



and design of wood-based materials (wood structures and furniture) and joints, computer modeling of wood-framed structures, design of timber and timber-steel structures.

In May 1993, Dr. Richard Vendetti will join the faculty as an Assistant Professor. His teaching responsibilities will be in the area of process control for pulping and papermaking processes. He will also develop a research program directed toward aspects of pulp and paper manufacturing. An interesting item concerning Dr. Vendetti is that he graduated in 1988 from North Carolina State University with a B. S. Degree in Pulp and Paper and Chemical Engineering. Since that time he has earned an M. A. and PhD in Chemical Engineering at Princeton University. This brings to two the number of current faculty who earned their B. S. Degree in Pulp and Paper at N. C. State University.



Academic Affairs

By: Dr. J. Douglas Wellman

This past year has seen progress on many fronts in the Academic Affairs Office. The enrollment picture continued its improvement, a major new program (Natural Resources) was started and several more are in the planning stages, a new college-wide lecture series was initiated, and a college continuing education program was launched. In these and many other ways, the staff of the Academic Affairs Office is working to support the faculty in giving our students the best education possible.

With heightened public oversight and severe budgetary problems, academic programs must pay attention to the sheer size of their student bodies. Small programs become vulnerable in tight times, and several schools of natural resources around the country have faced problem elimination or reorganization in recent years. For this reason, one of our goals has been to increase the number of students in the college. As of Fall, 1992, there were 828 students enrolled in CFR, up from 762 the year before. As the accompanying graph shows, we have been making progress in the past few years. Our stated goal for the College is 1,000 students, with a composition of 75% undergraduates and 25% graduates. Our enrollment goals are to be reached with no loss in student quality, as measured by past academic performance and test scores.

Graduate enrollments are driven in large part by the faculty's research programs, and we have been very successful in obtaining research support in recent years, as Associate Dean for Research Russ Lea reports elsewhere. Undergraduate enrollments, on the other hand, are driven largely by public perceptions. Our recruiting program, headed by Kris Martin (PRTM 1991), is designed to inform prospective students, their parents, and the public at large of the many exciting career possibilities represented in the

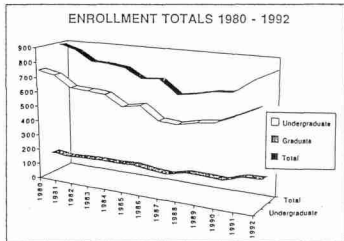
College. To accomplish this goal, we have developed a multifaceted program, including videos, stories in newspapers, presentation in middle- & high-school classes, alumni presentations, and the "Distinguished Lecture Series" at several of the top high schools in the area. Many faculty have helped in these efforts, but I will call attention only to those who participated in the lecture series - Hugh Devine, Russ Lea, & Anne-Marie Stomp.



One of the most exciting new elements of our recruiting program this year is the environmental symposium for high school juniors in the Triangle area. This spring, students carefully selected from area schools will meet at Research Triangle Park to hear speakers from the College and from Duke, UNC, NCA&T, NCCU, the Environmental Protection Agency, and the National Institute for Environmental Health Sciences. CFR faculty Bob Bruck, Russ Lea, & Anne-Marie Stomp will be among those making presentations. To reach students unable to attend in person, we have arranged television coverage on public TV and through the NC school network. This is the first of an annual series, and the long-term positive impact on public perceptions of natural resource careers and the College of Forest Resources should be substantial.

Another major new undertaking this year is the Office of Educational Outreach. In April of 1992, Ann Coughlin (PRTM 1992) moved from the University's Office of Continuing Education and Professional Development to coordinate our educational outreach programs. She is working with faculty to develop continuing educational programs for both practicing professionals and the general public. With rapidly changing knowledge and regulations, continuing

ENROLLMENT TOTALS 1980 - 1992



education beyond the bachelors degree has become mandatory for professionals on all fields, including those presented by the College. The professional programs that are being developed will be accessible both geographically and financially. It is also our responsibility, as a land grant institution, to respond to public interest in non-degree educational opportunities, and we are developing programs to meet that need. In the few months since Ann started, she has worked with faculty to deliver programs on forest landowner rights, longleaf pine restoration, sports mgt., impounded river mgt., and others. New ideas continue to emerge, and turning those ideas into successful programs is the challenge. Ann and our faculty are stepping up to meet it.

I have focused on highlights from our recruiting and continuing education programs, but in closing I want to call attention to the solid base of support provided by Ruth Allen, Brookie Nixon, and Liz House. No sooner had Liz completed the relocation of the computer lab than she was called to coordinate installation of the College's telecommunications system. This was a major undertaking that will improve computer lab operations for our students and upgrade communications within the College and with the rest of the university. Ruth and Brookie solved countless student and faculty problems, kept the rooms and vehicles scheduled, and promoted the smooth delivery of our academic programs. All the while, they maintained the positive, professional attitude that makes this such a great place to work.

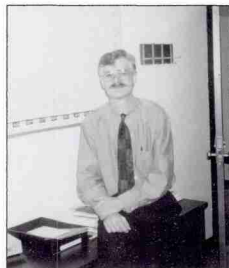
In Science, Too "It's the Economy"

By : Dr. Russ Lea

Leading researchers as well as the public are hopeful that President Bill Clinton's administration will pursue an energetic, activist approach in tackling major science and technology issues. It has been well recognized that a strong focus on science and technology-related issues will be central to the success of the Clinton/Gore economic recovery plan. This focus on science and technology has already been reflected in numerous studies and pre-presidential statements, as well as in the activities of the numerous transition teams and Clinton's State of the Union message. Consultants to the transition team have issued a report outlining that a "critical component" of the new administration's approach will be "an activist, catalytic federal role in encouraging industrially relevant research, cooperative industry - government

technology development, and new technology integration in the manufacturing and service sectors." All across Washington's policy spectrum, the spin doctors are all exhorting the same message about science, namely, that it's got to do more for the economy. The utilitarian theme has never been absent from political discourse about research, but the unanimity among many legislators is an omen of things to come.

Funny that everyone is looking toward the Nation's academic research infrastructure as a source of technology to improve the US economic competitiveness. Some legislators appear to think that scientists in U. S. universities are not concerned about or disdainful of economic competitiveness, and they seem to think that new policies are needed to force university scientists to consider "real world" needs. From my perspective -- in this College of Forest Resources -- I say, "Bull." Our faculty and administration in this college have endeavored to improve the US economic competitiveness by

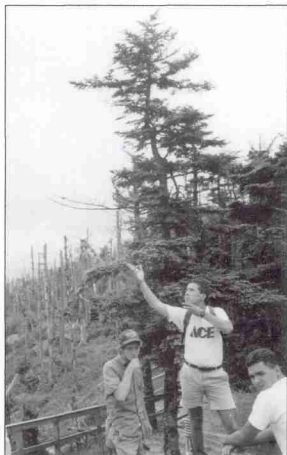
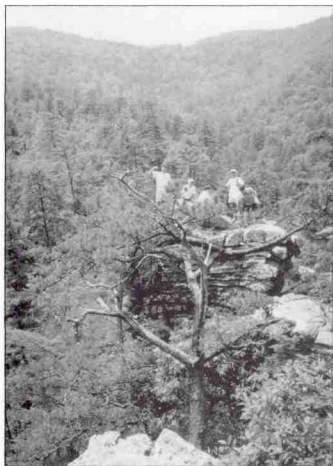
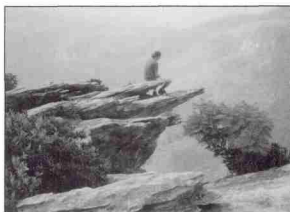


opening up applied research programs to greater participation by nonacademic personnel; making education programs better suited to prepare future scientists and engineers for the need of industry; and building day-to-day working relationships with federal agencies

whose missions require cutting edge technology. Even our short-term fundamental research, which is not expected to immediately benefit industry's scientific problems, has often been performed with the technical concerns of industry's in mind, or in some cases, supported by with additional industry funding. One merely has to look at the list of our adjunct faculty to appreciate the involvement of industry and government scientists in our academic and research programs.

When one considers that we expend somewhat over \$1.5 million per year of industry funds on research, which leverages another \$500,000 of basic research expenditures in industrially sponsored research programs, it's hard to believe that our faculty views economic competitiveness as some sort of sin or betrayal of science. Our college has never lost it's commodity group support and has never lost it's vision of what

is possible to accomplish with solid scientific inquiry. I can't imagine what we might have been thinking as a college by building a \$12 million pilot plant for pulp and paper if we thought the US was not going to be a global competitor in this business. While Bill Clinton believes the absence of a technology policy is one of the key reasons why is loosing it's lead in technology, it's more likely that it's the failure to work with business sectors at the front end of research that explains why America is trailing some of its major competitors in translating its basic research into commercial success. "It is more than incidentally significant that scientific advances are as likely to be driven by advances in technology as the reserve and the interplay between parties who are conversant in both fields holds promise of synergy." -- Commission on the Future of the National Science Foundation, November 20, 1992.





College of Forest Resources Council 92-93

By : Rick Hardy

The College of Resources Council (CFR Council) represents students in all clubs, organizations, and departments in the college. Working through the council, all representatives have gained experience in working together to improve student life in the college. This experience in tough decision making will be beneficial to us in the future.

This year CFR Council had a full agenda: Planning the annual fall and spring picnics, talking about tuition increases, and CFR computer room issues, appropriating money to the various clubs and organizations, serving as sponsor for the Pinetum, and promoting the college recycling effort.

The following people made up the 1992-1993 CFR Council (Name, Office or Organization):

Rick Hardy, President
Trey Payne, Vice President
Phillip Whitlow, Treasurer
Adrian O'Neal, Secretary

Rodney Bucknan, Forestry Club, Lori Lindquist, FRAGS
Rod Apperson, Rec Club, Richard Poindexter, FPRS
Kent Fullbright, SAF, Philip Todd, Xi Sigma Pi
Dana Baker, Rho Phi Lambda, TAPPI
Tom Mellin, ISTF, Henry Morphis, Wood & Paper
Science Dept., Forestry & Conservation Dept.
Parks, Recreation & Tourism Management Dept.
Dean D. Wellman, Faculty Advisor
Mark Ambrosa, At Large

SAF

By : Rodney Buchanan

The NCSU student chapter of the Society of American Foresters has had a good year. The officers for the year are Wendell Overby, chairman, Richard Taylor, vice-chairman, and Rodney Buchanan, secretary/treasurer. The first activity of the year was to again participate in the Adopt-A-Highway program. The second event of the fall semester was to travel to the national meeting in Richmond, Virginia. The keynote speaker for the meeting was Carl Sagan, world renowned astrologer. The meeting was very informative and interesting. While in Richmond several of the students took the opportunity to visit the White House of the Confederacy, and the accompanying museum.

While at the national meeting several issues were discussed, such as the new land ethic adopted by the society at the meeting. The critical issue forum was as controversial as always. The student meeting was energetic with a health debate.

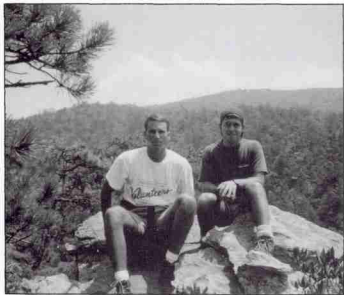
The student chapter has had regular monthly meetings with interesting topics and speakers. Speakers have been from other colleges on campus, the U.S. Forest Service as well as the N.C. Forest Service. Topics have included subjects such as the land ethic passed by the society, management plan revisions for Western North Carolina, and change in state forestry, both public and private. We invite everyone to come to the meetings and to join the SAF, the professional society of foresters.



Co-operative Experience

By : Kyle Parshall

During this past summer I was involved with the Forestry CO-OP program. I would definitely recommend this experience to anyone who is wondering whether or not they would like to pursue forestry as a possible career, and it also offers some well-needed job experience. With only one semester worth of work, I gained a lot of responsibility, and a lot of self-confidence. These qualities came about due to the large amount of responsibility I was given in my job. These responsibilities included photo scale determination, drawing mylar block and timber maps from photos, computer software installation, measuring species comparison and competing vegetation tests, and working with a GIS (Geographic Information System) software package. Due to these responsibilities the job also helped me realize that Forestry is going to be my choice for a career.



Distinguished Performance Award

By : Reggi Powell

The College of Forest Resources Distinguished Performance Awards reception was held on Monday, November 2, 1992 in the lobby of Biltmore Hall. This years nominees were Ruth Allen, Academic Affairs, Debbie Cox, Forestry, Robin Hughes, Hardwood Cooperative, Forestry, Reggi Powell, Parks, Recreation and Tourism Management, and Travis Wilson, Forest Nutrition Cooperative, Forestry. The winner was Reggi Powell.

Reggi, along with 24 other recipients of the award were honored at a buffet luncheon on January 21, 1993 at McKimmon Center. This was an opportunity for employees to honor their co-workers and friends. Out of the 25 recipients, Linda B. Allred was named Employee of the Year. Linda is an Assistant Purchasing Director in the Division of Finance and Business.



Forest



Management



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productive forests by our Forest Management Team. This 35-year program of replacing and improving what nature has provided is just one of the many ways we work to preserve the delicate balance of nature. And, it's our way of ensuring the future for Federal Paper Board, the planet Earth and generations to come.

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WOODLANDS

Freshman Experience

By : Brent N. Lineberger

There are many reasons why I chose to attend NCSU's School of Forestry. With my home only seven or eight miles from campus, and having been a diehard Pack fan for most of my life, it only seemed natural. No, there are better reasons that!

Over the years, many of my relatives, near and far, have had the pleasure of attending the School of Forestry at NCSU. Knowing that I had a love for the outdoors, most of those relatives began "preaching" about how wonderful the program was. I always listened to them, even at a young age.

Well, as time passed and I became more aware of what Forest Management included, I realized that I had a genuine interest in the field. I started asking questions to knowledgeable people, about State and the quality of education here. I never received an answer that was less than "excellent." High school counselors gave me information on other schools with Forestry curriculums and how they ranked against NCSU's. Most sources agreed that State was one of the best. That's when I decided to apply for enrollment.

I have always been an outdoors person. I enjoy hunting and fishing, camping, hiking, and pretty much all other outdoor activities. Those interests probably helped push me towards Forestry, also.

Several things that convinced my stay in Forestry once I was here are the friendly students and faculty/staff members that are associated with my curriculum. There have always been, according to my grandfather, friendly people and experienced professors in this program. The feeling of comfort that I have received from being a part of that environment is great.

Contributing to the atmosphere, and most certainly to my freshman year, is the Forestry Club. The club has given me the opportunity to get involved in related activities, as well as fine fellowship.

Quite often, the professors and other students have enormous influence on the newcomer. I have found that the positive attitude and persuasion has help getting my college years off to a good start. So far, I couldn't be more pleased with the School of Forestry at NCSU.



"I have always been an outdoors person. I enjoy hunting and fishing, camping, hiking, and pretty much all other outdoor activities."

Get Involved

By: R. C. Kellison

At a recent SAF Triangle Chapter meeting, a question from a member of the audience was "What are 'they' doing about it?" The question was generated by the program speaker whose topic was wetland policy and legislation. The 'they', as it turned out, was the national, regional, and state levels of SAF leadership. Somehow the person asking the question -- a card-carrying SAF member -- failed to realize that it is 'we' who should be doing something about it. Perhaps the Freudian slip signifies a communications problem within our professional society but, more importantly, it signifies our lack of involvement in matters that affect our everyday lives. It's **us** versus **them**, and we don't even have to have an outside antagonist; it is **us** versus **them** within our own profession. As Pogo, the comic strip character of yesteryear was wont to say, "We have met the enemy and he is us".

In our forestry profession, we are having trouble making ourselves heard. But even when we are heard, the saddest part is that we are being brushed aside. A would-be environmentalist, with nothing more than a degree in liberal arts, a glib tongue and a podium is given more credence on matters of the environment than a forester with ten years of work experience on top of a degree that is filled with more interdisciplinary course work than any other degree recipient on most university campuses. Why the Rodney Dangerfield-type of respect? Many have concluded that the cause is our inability to communicate in both the oral and written forms. I do not, for an instant, believe that. I conclude that our Achilles Heel is the inability of the public to differentiate between foresters and loggers and, in their eye, we are all loggers. Explaining the biological reasons for a clearcut, for example, is met with suspicion and derision because the audience has already concluded that the supposed treatment is nothing more than a cover-up for timber pillaging.

So, what to do? Get involved, that's what. Provide guest editorials to the media, volunteer to speak at schools, civic clubs and church functions and, most of all, challenge false and misleading information. In making that challenge, be persistent and don't get discour- aged. The consensus is that regardless of the soundness of our arguments a certain segment of our antagonists will not hear us out. They are commonly referred to as New Age Environmentalists. Their belief lies in nature; it is their religion which dates back several thousand years. The extremists among them have sabotaged logging equipment, driven spikes into trees, camped in tree tops and formed human fences around stands of timber destined to be cut. More commonly, however, they have disseminated false or misleading information to the public in hopes of swaying the segment of the population to their point of view. To this end,

they have been very successful and we, in the forestry profession, have become croppers. Witness the results of numerous polls that show that more than 75% of the public believes that we in the U.S. are operating on an ever-declining timber supply when, in effect, the supply is about 25% greater than it was 50 years ago.



How did the general public falsely learn that the timber supply was in peril? You guessed it! Our New Age friends have been hard at work while we professionals have dallied. We have been waiting on "them" to challenge our adversaries, instead of "us" taking the reigns. We will continue to see failure until all of "us" get involved.

Can we make a difference? You bet we can! Take for example, the action of Tom Kelly of Scott Paper Co. The occasion was an account in the **Mobile Register**, by a Sierra Club member, that **one** plant or animal species in the U.S. was being driven to extinction **each month** by human population growth. Mr. Kelly asked for a list of the 12 species each that had gone to the great beyond for 1991 and 1992. After some **uhs** and **wells**, the Sierra Club acknowledged that they could not name the first species, let alone 24. Gone unchallenged the hype would have become gospel for the 75% of the public that is swayed by what they learn from the media.

So get your pencil out and start challenging misleading and false information. Don't leave it to "them" because "them" is "us".

"... it is 'we' who should be doing something about it."

Directory

In this years *Pinetum* we are supplying students, alumni, and friends of the College of Forest Resources with a list of present faculty.

Administration:	Room:	Phone:	Lancia, Richard A.	3024-C	515-7578
Lea, Russ	2028-C	515-2890	Liu, Ben	6113 Jordan	515-7800
Tombough, Larry	2028-H	515-2883	O'Malley, David	6113 Jordan	515-7800
Wellman, Doug	1022-N	515-6191	Roise, Joseph P.	3114 Jordan	515-7783
ARRC:			Sederoff, Ronald	6113 Jordan	515-7800
DeSteiguer, Ed	Varsity Drive	515-3311	Smith, Bill	3110 Jordan	515-7785
Camcore:			Stomp, Anne-Marie	2012	515-7800
Dvorak, William	Grinnells Lab	515-2738	Whetten, Ross	6113 Jordan	515-7800
Ext/Forestry:			Foundations:		
Gardner, William E.	3028-G	515-5577	Chilton, Ben	2105	515-5660
Hamilton, Rick A.	3028-D	515-5574	Hardwoods:		
Harkins, Leon H.	3028-E	515-5575	Kellison, Robert	3118 Jordan	515-5314
Jones, Edwin	3033-A	515-5578	Shear, Ted	3122 Jordan	515-7794
McGraw, James R.	3028-C	515-5573	PRT:		
Megalos, Mark	3033-B	515-5518	Brothers, Gene	4008-E	515-3699
Ext/Wood Prod:			Devine, Hugh	4008-D	515-3682
Deal, Earl L.	3036-C	515-5581	Gustke, Larry	4008-H	515-3688
Denig, Joseph	3036-E	515-5582	Love, Carolyn S.	4004-A	515-3663
Hanover, Stephen J.	3036-B	515-5580	Moore, Roger	4008-L	515-3698
Jahn, Larry G.	3036-D	515-5579	Rea, Phillip S.	4008-C	515-3675
Forest Nutrition:			Siderellis, Christos	4008-M	515-3704
Allen, H. Lee	3108 Jordan	515-3500	Sternoff, Robert	4012	515-3687
Forestry:			Warren, Roger	4012	515-3709
Abt, Robert C.	3126 Jordan	515-7791	Wilson, Beth	4004-B	515-3665
Adams, David A.	3102 Jordan	515-7789	Rec. Res. Ser.:		
Amerson, Henry	1025-B	515-7585	Goode-Vick, Candace	4012	515-7188/9
Blank, Gary B.	3018-C	515-7566	Woodlot Forestry:		
Braham, Richard R.	2022-D	515-7568	Franklin, E. Carlyle	3136 Jordan	515-3566
Brockhaus, John	5114 Jordan	515-3433	Tree Improvement:		
Cheshire, Heather	5114 Jordan	515-3433	Bridgwater, Floyd E.	1019-A	515-3168
Cooper, Arthur W.	2018-B	515-7562	Jett, J.B.	1013-C	515-3168
Cowling, Ellis	2018-D	515-7564	McKeand, Steve	1019-C	515-3168
Cubbage, Fred	RTP	549-4030	Sprague, Jerry R.	1019	515-3168
Davey, Charles B.	3124 Jordan	515-7787	Weir, Robert J.	1013-A	515-3168
Dougherty, Phil	RTP	549-4012	Zobel, Bruce J.	1019-B	515-3168
Frederick, Doug	3120 Jordan	515-7788	Wood & Paper:		
Gregory, James D.	2022-C	515-7567	Chang, Hou-min	3203	515-7712
Hassan, Awatif E.	3024-B	515-7577	Kasal, Bohumil	1022-K	515-5726
Henry, Leslie	2004	515-7584	Chen, Chen-Loung	3205	515-5749
Holley, D. Lester	2022-B	515-7563	Kelly, Myron W.	1022-D	515-5735
Jervis, Larry G.	3024-A	515-7576	Gilbert, Richard D.	1208	515-5321
Khorram, Siamak	5114 Jordan	515-3430	Kirkman, Adrianna	3207	515-5785
Laarman, Jan G.	3112 Jordan	515-7784			

	Room:	Phone:		Room:	Phone:
Goldstein, Irving S.	1204	515-5723	Jameel, Hasan	2114	515-7739
Olf, Heinz G.	2205	515-7709	Weidhaas, Nicholas	1022-J	515-5741
Gratzl, Josef S.	3108	515-7707	Jerger, Ed	1022-F	515-5740
Singh, Rudra	1206	515-5744	Wheeler, Elisabeth	1022-H	515-5728
Hart, C. Arthur	1022-E	515-5731	Joyce, Thomas W.	3104	515-7708
Stewart, J. S.	1022-B	515-5743			
Heitmann, John A.	2111	515-7711			
Thomas, Richard J.	2105	515-5807			



Forestry : Seniors



Sidney Burton Albritton
Cynthia Ann Becraft
Rodney Bryan Buchanan
Robie Woodrow Currie
William Christopher Dunn
Robert Dane Hamilton
Chalmers Fagan Johnson, Jr.
Susan Leigh Marston

Alan Lowson Moore
James Christopher Stewart
Joanne Linda Stumpf
Melanie Dawn Tipton
Stephen Russell Tucker
Gregory Milton Ward
Jerry Alan Williams
Jason Hunter Winslow

PRT : Seniors

Dana Lynne Baker
April Lyn Celestino
Jyl Angelita Crockett
Kim Danielle Crockett
Christopher Keith Evans
Edward Walton Farnell III
Carolyn Renee Fincher
John Curtis Fox
William Matthew Gore
Ricky Lynn Hardy
Nancy Elizabeth Johnston
Joseph Alan Lambert
Loretta Verne Marlow
Rebecca Crawford Maxwell
James Adrian O'Neal
Russell Albert Rankin
Kirby Blake Roberson
Judith Allison Smith
Tony Martin Tuck
Peggy Ann Zima



Editor : Sorry about the duplicates,
feel famous if you are featured in more
than one photo.

NRE : Senior

Deborah Ann Campbell

Conservation : Senior

Kevin Ray Pittman



WPS : Seniors



Brandon Walker



Chris Bell



Lee Clemments



Bill Seward



Scottie Drye

Pulp & Paper : Seniors

Mark David Betler
Stephen Edward Bidwell
Mark Edward Bochey
Gary Norman Boettcher
Theresa Marie Borho
James Christopher Brewer
Darnell Kent Brewington
Jacob Aaron Brown
Janice Ruth Cecil
Cynthia Monique Cotton
Bradley Lee Evans
Adam Cord Ferguson
Joseph Belt Flanagan
Jerry Michael Floyd
Cobb Mac Golson, II
Andrew Michael Goolsby
John Ernest Goss
Sidonia Undine Harrison
Monica Alma Hyson

Joel Carlyle Johnson
Yen - Ling Lai
Kevin Todd Minnick
Paul Keesee Palmer
Jennifer Michelle Parr
Ku Wilaipun Puangchinda
Darryl Dwayne Rasberry
Douglas Todd Robinson
Edzel Peter Sarigumba
Robert Scott Simmons
Shaun Douglas Slocumb
William Snow Small
Jeffrey Douglas Spitz
Joseph Edwin Stephens
Brain Lisk Sterling
George Edward Stubbins
Trevor Kent Thompson
Jayce LaShawn Trammel
Brian Glen Zehner



What Do I Do When I'm Not Teaching WPS 202 ?

By : *Dr. Elizabeth Wheeler*

It was very nice to be asked to write this account of what I do. However, it is hard not to be concerned about whether what I found interesting will seem so to anyone else, particularly because ten-plus years of giving 202 lectures in Biltmore 2010 and watching student reactions, particularly those in the last rows, has made me question my ability to be intellectually stimulating.

During spring semester, it seems that mostly what I do is teach WPS 202 (Wood Structure and Properties I.) I do what most faculty members do--prepare lectures, weekly quizzes, labs, then grade quizzes, labs and exams. WPS 202 specific activities include trying to think of different ways to insure that students leave the course understanding something of the variation in wood structure, the functional significance of this variation, and the relationships between anatomy and wood properties. In other parts of my professional life, I teach (alternate years) graduate courses, "Tropical Woods" and "Advanced Wood Anatomy." I also do research, public service (wood identifications and answer inquiries about wood characteristics) and professional service (co-edit a professional journal, International Association of Wood Anatomists Journal, help organize programs for professional meetings, this year one program on "Diversity of Pacific Basic Woods: Past, Present, and Future").

My research interests are in wood anatomy, in particular, the relationships of wood structure to wood properties, and ecological wood anatomy. I believe in the recent recommendation of Division 5 of IUFRO (The International Union of Forest Research Organization) namely that "a detailed knowledge of microscopic wood structure is a prerequisite for a better understanding of its function in the living tree and of the end-use properties of various wood products."

Wood identification is a fundamental activity for a wood anatomist. Here in our Department of Wood and Paper Science, we've compiled the largest database on wood anatomy now available anywhere in the world (over 5000 entries). We've shared this computer database for wood identification with wood scientists, art conservators, archaeologists, paleontologists, botanists, and forensic scientists throughout the world (over 20 countries). There are very few wood anatomists in this country, not all that many in the world, so on the whole we do try to exchange information.

This database for wood identification has been useful for the sort of fun work I've indulged in recently--studying fossil wood and looking at changes in wood structure and forest composition through geologic time. Given that woods from tropical trees are built differently than woods from temperate zone trees, it's possible to use changes in wood

structure to trace changes in environment and climate through time. The material I'm now working on comes from localities in Big Bend National Park, Texas (woods of dinosaur age over 65 million years old), John Day Fossil Beds National Monument, Oregon (middle-aged at 45 million), and Florissant National Monument, Colorado (a mere 34 million).. Identifying the petrified trees from these localities provides information useful to the Park Service in developing interpretative programs. North Carolina also has dinosaur age wood. These ancient woods are quite different from anything that grows in North America today, and are most similar to plants that today grow in the tropics.

Understanding wood structure not only is important for understanding the behavior of wood as a material, but understanding the structure of the plumbing system of trees is important to tree physiology. I very much like working in an area that is of considerable practical significance, but also allows me to do natural history (in this case the history of forests through time). A side benefit is that anyone working on petrified wood is permitted to use bad jokes about having tons of work to do and answering in the affirmative the usual question about the cause of heavy luggage.



Summer Camp 1992

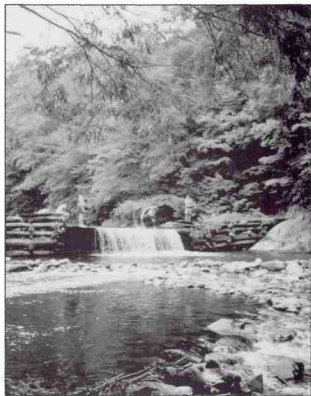
By : *Tina Futrell*

As we moved in that first Sunday afternoon, we knew that Slocum Camp would be our home for the next ten weeks. We tried to be excited anyway. As it turned out, it was not as bad as we thought. In fact, it was pretty fun. Sure, there was homework, reports and papers. There were fights with the computers and the high-tech data-loggers, but we survived.

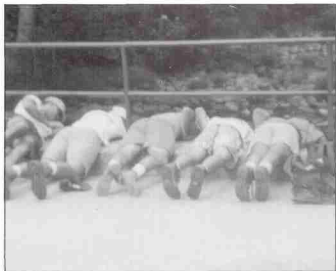
We spent mornings in class, afternoons in the field, and evenings doing homework and socializing. We went through three cooks, but we ate good. We saw wildlife: deer, bear, snakes, insects, rabbits, and TICKS. We learned things that we would have never learned in a classroom in Raleigh. We learned about responsibility, delegation of work, and cooperation through class exercises and morning chores.

We took trips on the big green bus to Kinston, the mountains, and several other places in between. We went up and down mountains and in and out of mud holes in Kinston, and many other places that no one would think the bus could go.

We did have cool weather on our side. Actually, for the first month we had cold weather. We spent nights huddled by the fire in the lodge studying. We also learned the fine art of sleeping under three blankets and in three layers of clothes. Most important of all we became good friends. We had a few minor differences, but all in all we became closer to each other. All of us, even the professors, became friends. It was an enjoyable experience that we will always remember.



"Further, Further....!"



Road Kills Battle in the Final Four

By : Phillip Whitlow

For the second year in a row, a very talented group of forestry students proved that they were among the most elite softball teams on campus. Road kills, as the team was commonly called, featured an iron curtain type defense and a consistent hitting offense. The team lacked the power hitting of David Lane and Stephen Tucker from the previous year, but easily compensated for this loss with the hitting, speed and defense of Bill Demay and John Willis who played right center and right field, respectively. Jessie Register and Ed Liverman completed the left side of outfield. Ed's enthusiasm for chasing fly balls could only be compared with Steve Tucker's. This was especially evident on fly balls hit to down left field line where Ed would try to out run Jessie who was playing left field. Jessie never ending ability to miss the cut-off man was brought to new heights when he inadvertently made an out at first by his misjudged pass.

The impenetrable infield of Chris Dunn, Paul Pruden, Henry Randolph and Mike Petrunico reached a new level of excellence. If a ball actually got past this awesome infield, we could count on Chris to slow the runner by blocking first base. Paul tried to capture the "Mr. Scoop" title from Henry Randolph with some remarkable catches. Henry proved to be the key link to the Road Kills' success. While the opposing teams learned quickly that hitting the ball to "Sky" Petrunico was equivalent to an out.

Phillip Whitlow and Thomas Hoffer provided the battery. Phillip continue to display an uncanny ability to defend himself on the mound. While "Two Straps" Hoffer perfected the art of irritating opposing teams with vocal commentary of each pitch. Rodney Buchanan served as the designated hitter and injury sub, which we needed on several occasions.

We finished the regular season with a perfect 3 - 0 mark and easily qualified for the playoffs. We advanced thorough the first two rounds with little difficult even though the opposing teams thought they were "hot". In to the final eight is where we met our first challenge. After a struggle during the first few innings, we came on strong to win 15 - 8 and advance to the familiar final four.

We were all pumped for the semi-final game even though Bill and Ed were out due to injuries. However, these injuries led to the re-arrangement of our defensive posting. Unfortunately, this re-arrangement seemed to throw the team completely off balance. The game began with us surrendering several runs in the first inning. For the second time this season, the team had to mount a come back to advance to the final game.

It was at this time that the Road Kills truly earned their name.

Tree Jobs

By : Richard Taylor

Early Saturday morning, while many students are asleep, NCSU's Forestry Club meets at Hodge's Lab to prepare for the day's tree job. Tree jobs are an important experience for members of the Forestry Club. Earnings are used to send members to Woodsmen Team competitions and provide a budget for items such as T-shirts and hats. Money is also used for equipment maintenance and replacement.

Tree jobs do more than provide money for club functions. It requires teamwork to cut a tree from the top down. Veteran clubbers need the help and perspective from people on the ground. Working together gives students entering forestry a chance to get to know older members of the club while learning the "ropes" of tree jobs.

Tree jobs provide those involved with experience in leadership and working with people. The tree job chairman must visit the potential job/client and put in a bid that satisfies the owner and at the same time is fair for the club. Once details of price and clean-up and agreed on, the chairman sets a date and posts a note in Biltmore Hall for club members.

Participation in tree jobs is encouraged and mandatory before the club pays registration for Woodsmen Team events. Most jobs require hard work, but they are often a lot of fun.



Wood For Warmth Woodchop '92

By : Scott S. Harris

The chosen morning of this years annual woodchop was Saturday, November 14. Enjoying what can be considered an absolutely beautiful day for outside work, approximately 40 members of the Forestry Club, Student Government and Alpha Phi Omega proceeded to provide firewood for the needy families in the city.

The days events proceeded rather fast due to a large group effort on the part of all present. About 15 members of Alpha Phi Omega were busy at Joanne's truck selling T-shirts and drinking cool aid while the rest were helping the Student Government by using splitting mauls and axes to split the wood. Those that did not use handtools provided the transport to the wood pile. The Forestry Club had the fun part; playing with the power tools. There is only so much fun to be had running a hydraulic log splitter, but for the fortunate few who handled the chain saws, there was an excellent opportunity to display our manliness. (In Tim Allen's words "Argh, argh, argh, argh, argh.") The only drawback to the entire event was that there was not nearly as much wood as we expected. The woodchop was a fast one, with activities ending just after lunch.

Lunch was a festive affair with pizzas from Little Caesar's provided by funds from Student Government. Chip impressed us all with his pizza eating abilities by consuming the stuff at a rate that would impress the most serious pizza aficionado.

The funds for the rental of the splitters also came from student government. Without their support in this event, the event would not have been as nearly successful and enjoyable as it was. A note of thanks should be extended to Wilson's Outdoor Equipment for providing the saws, bar and chain, and chain lube. They came through for us as they always have and helped make the venture a screaming success.

It should be noted that this endeavor was carried off efficiently due the organizational skills of Joanne Stumpf. Her persistence, good attitude, and can-do spirit are what brought it all together this year. Kudos on a job well done, John.



Rollo '92

By : *Chip Gross*

Rollo is an interclass competition sponsored by the Forestry Club every Fall semester. The competitions are in two categories: technical and physical. Each class forms a team i.e. Freshpersons Sophomores... etc. Also, teams are encouraged from Gradstudents, Faculty and Alumni. With volunteer judges to officiate, the games begin early and end late on a Saturday around the last week in October. This is not a fair competition due to the increased experience of the upperclasspersons. On the other hand it is a hilarious and fun competition in many respects, believe me, if you ever watch those reluctant souls enter that frigid water for the log burling competition and hear the comments from the spectators about where the fictitious leaches are going to attach themselves you'll admit the veracity of my statement. At any rate highlights of this year's Rollo were: Yes, the seniors won, Dr. Holley's skeet shooting and ax throwing were superb, the grad students made a very fine showing, if you shot short with your



shafts in archery your arrows went in the lake, those Freshpersons and neophyte Sophomores have got some potentially great competitors in their midst, Stihl gave the club two chain saws via Carrol Huffman, and our fabulous Alumni were a great help and highlight providing pig cooks and competition tips and entertainment and some memories as well as some of the best lies you ever heard. My opinion though is that the best part of Rollo is not Friday when the last minute running around and setting up goes on, or the actual Rollo itself, although these are fun parts of the entire experience, the

bestest part is after the pig picking cum awards when the classes, grads, alums, faculty, parents, and everyone else who cares to intermingle to make those crosscuts sing and the axes bite deep to see if they can still do it or to help someone else learn. When you mix this light atmosphere with whoppers, beverages and music in the solitude of the Hill Forest lodge, you will enjoy one of the best experiences to happen in your college career.

The graduating seniors this year will not have to worry about having their places filled at Conclaves (the intercollegiate Forestry Club competition) for the next few years. As I alluded earlier the lower class persons show so great natural talents and abilities that with work and experience will provide the superior class of competitor which the NCSU Forestry Club has historically fielded in the past.

I would like to take this time to thank again all of those people who helped the organizers, Cindy Becraft and C. K. Green to put together a successful rolleo. Rolleo could not be done without folks like Drs. Braham, Cooper, Holley and Gregory, Larry Jervis, M & M Carrol Huffman, Dean Tombaugh, and those cant milling, pig cooking, hushpuppy frying alumni or ours. I hope that these people get as much of a charge out of the end result as the rest of us participants do.

If any student at NCSU is interested in finding out more about the Forestry Club and its various activities, come by Biltmore Hall's bs table (under the main stairway on the second floor) and most any time you will be able to find a club member around to give you any info about the club you may desire. No worries, just ask, cause Foresters are friendly.



Recreation Club

By : *Lori Marlow*

The Recreation Majors Club at North Carolina State University is open to students in the Parks, Recreation, and Tourism Management Department. The purpose of the club is to bring students together for socializing, recreating, and for service to the university and community. The Rec Club has been recruiting new members all year and is open to any PRTM student who would like to join.

It was another year of fun and adventure for the Rec Club. The 1992 fall semester was filled with meetings and trips, such as white water rafting on the Ocoee River. We also spent quality time together cleaning our stretch of adopted highway on Reedy Creek Road.

Spring semester 1993 was a busy one also. In February, members attended the Wilderness Education Association Conference at Fall Creek Falls State Park in Tennessee. March and April were filled with meetings, elections, another road clean-up, and more activities, including horseback riding, a camping trip, and an end of the year senior party! Some Rec Club members were also involved in planning the PRTM Department's Annual Spring Banquet.

Officers for 1992-1993: President - Lori Marlow; Vice-President - Adrian O'Neal; and Secretary/Treasurer - Bob Apperson.



FPRS

By : *Richard Poindexter*

This year in FPRS (Forest Products Research Society) has been an interesting one. In August of 1992, we elected officers for the year. Brandon Walker was elected president, Lee Clements was elected vice-president, and Josh Edwards was elected secretary/treasurer. Also elected at this meeting were Richard Poindexter and Henry Morphis to represent FPRS and the Wood and Paper Science Department, respectively, on the CFR Council.

This year FPRS has a trip planned the second weekend in April to Moorehead City, NC for all Wood Products majors. A weekend of sun and fun is expected along with a visit to Atlantic Veneer should provide a great weekend from the rigors of State. FPRS has also planned a cookout the third weekend in February to usher in the upcoming spring and hear the horror stories of future WPS courses left to dread.

At our meetings we usually try to have someone from the wide wood products industry talk about their job and give a perspective to FPRS members on what part of the industry they might like to enter. This helps us decide what niche of the industry we would feel the most comfortable in.

The other FPRS members this year were: Chris Bell, Fred Carter, Michael Ellington, Robert Lewis, Shawn Tate, and Scott Weaver.



FRAGS

By : Lynn Alender & Lori Lindquist

After several years of being relatively inactive, FRAGS has had a successful year of reorganization and revitalization with new roles from each department being defined by a new constitution. Each department will assume responsibility for one officer position on a rotating basis. FRAGS officers hope that this new structure will provide fair representation for all of the graduate students in the college.

In addition to reorganization in the Fall semester, FRAGS sponsored a very successful social for Halloween. Graduate students from each department were represented and had the opportunity to meet some of their colleagues.

FRAGS also has several ongoing projects. These include revitalizing the graduate student bulletin boards around the college so information would be more accessible and organized. And working with the Computer Lab Coordinator to help make the computer lab more accessible and user friendly. Spring semester will include a Tree Planting in honor of Arbor Day and a spring picnic.

Besides FRAGS sponsored activities each department has their own activities and accomplishments. We will begin with the Forestry department, which is very diverse and gives the graduate students opportunities to participate in many activities and seminars from traditional forest management to international forest management concerns. The Parks, Recreation & Tourism Management department held a successful social in the fall with almost 100% participation of students and faculty. There is another PRTM social planned for the spring, which is expected to be just as fun. The Wood & Paper Science department sent nine students to the TAPPI Pulping Conference in Boston, Massachusetts in the fall. Three of those students presented papers during the conference, they were Krishna Kumar, Umit Sezgi, and P.S. Rajan. The WPS graduate students are planning to hold an International Foods Picnic in the spring which should be a success.

FRAGS will continue to represent graduate students in the college and provide opportunities for socialization and professional development.



Tappi 1992-1993

By : Jennifer Parr

The NCSU Student TAPPI Chapter (Technical Association of The Pulp & Paper Industries) traveled to New Orleans, LA. for spring break. Here, the National TAPPI organization held a Recycling Symposium and exposition. Thirty students attended to participate in fourteen informational sessions concerning recycling and environmental issues in the pulp and paper industry. In addition, over forty companies set up exhibits displaying technological advances in this area. The students enjoyed the informational sessions as well as the interaction with industry representatives.

This was the first conference of this type for TAPPI. It was an overwhelming success. The national organization hopes to continue this conference every other year. The goals for future conferences of this type are increased attendance from members as well as from companies displaying informational booths. Hopefully, the conference will someday grow to the size of the International TAPPI conference held in even number years in Atlanta, GA. At this conference there are over 400 companies represented.

Anyone interested in membership in the NCSU TAPPI Chapter should contact Kevin Farley, the president - elect. In addition, the pulp & paper program has formed a new campus organization called PIMA (Paper Industry Management Association). This organization hosts programs concerning management and leadership in the industry. Interested students should contact Kevin as mentioned above.



Patrons

- James A. Altman
Jackson, MS
- James O. Artman 1931
Norris, TN
- John C. Barber
Warsaw, VA
- W. J. Barton 1947
Franklin, NC
- Clark & Gwen Beavans
Union, SC
- Richard C. Boyette
Pensacola, FL
- Harry T. Caldwell 1956
Knoxville, TN
- Buddy W. Conner
Wilkesboro, NC
- Thomas C. Croker, Jr.
Greenville, TN
- William M. Danuck
Rincon, GA
- Dick Davis 1940
Stone Mountain, GA
- Doug Ducan 1977
Wilmington, NC
- W. Bruce Dunn
Warren, PA
- Acie C. Edwards
Pinopolis, SC
- Bruce Evans
Mt. Gilead, NC
- Joe T. Evans 1950
Mt. Gilead, NC
- B. D. "Dave" Franklin
Pineville, LA
- Thomas B. Gardiner
Kill Devil Hill, NC
- Bill W. Gentry
Vass, NC
- George S. Gibbs
Montgomery, AL
- Marshall B. Hatsfield
Hope Mills, NC
- V. M. Herlevich
Wilmington, NC
- Norman P. Hodul 1947
Port Jefferson, NY
- Robert A. Holcombe
Williamsburg, VA
- Samuel T. Hudson Jr.
Fairfax, VT
- Samuel M. Hughes, RF, ACF
New Bern, NC
- Leonard A. Kiliam
Lexington, SC
- Isobel Hubbard Lynch
Raleigh, NC
- Parviz Mehdizadeh
Beverly Hills, CA
- Jeff Pardue 1978
Wilkesboro, NC
- J. Andrew Parker
Morganton, NC
- Charles F. Raper BSF 1954
Auburn, AL
- Jesse E. Register 1992
Lake Waccamaw, NC
- Joseph B. Reid
McLean, VA
- Thomas S. Rhyne, Jr.
Raleigh, NC
- Charles W. Selden, III
Florence, OR
- Charles H. Shafer
Allentown, PA
- Jack Sherrill
Statesville, NC
- George E. Smith, Jr. 1938
Columbia, SC
- Walton R. Smith
Franklin, NC
- Ed Sontag 1989
Roanoke Rapids, NC
- Ralph P. Tayloe
Franklin, VA
- Francis L. Thorne
Raleigh, NC
- Oscar C. Tissue, Jr. MF 1953
Clinton, MS
- Edward G. Tugwell
Asheboro, NC
- R. Scott Wallinger
Darien, CT
- Melvin F. Ward 1950
New Bern, NC
- John S. Willis 1992
Rockingham, NC
- S. Leigh Wilson
Florence, SC
- Jose A. Zambrana
Herndon, VA

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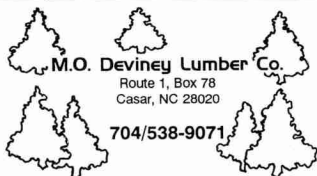
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Florence, SC
Regional Office
803-669-4094

Editor's Page

By : Philip H. Todd

To complete this years' **Pinetum** was a real challenge for me because I not only did not have the time set aside to work on it but I also did not now how to go about doing it. However, with an attentive ear and a lot of patience, I have succeeded in gathering this information and creating this journal for the College of Forest Resources here at NCSU. I have tried to include different activities from the clubs and organizations and different insights into what is happening behind the scenes here in our college.

The approach that I chose to follow with this book was as a journal, not as a 'yearbook' as some people believe that this book should be. I have tried to include some of the important activities within the college but not everything that has happened this year. I feel that I have fulfilled my goals with this journal and have included those things that I felt were most meaningful.

I would like to give special thanks to Dr. Gary Blank, the **Pinetum** advisor, for aiding me in many ways. He was always willing to listen and give his opinion on new and different approaches to this journal.

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It has truly been a learning experience working my way through this book. I have learned a lot about people and how some can be more cooperative than others. I also have learned a lot as to what is happening in the different parts of the university.

When tired and "discouraged" I have been "encouraged" by a verse in the Bible, from the prophet Isaiah, " *They that wait upon the Lord shall renew their strength; they shall mount up with wings like eagles; they shall run, and not be weary; and they shall walk, and not faint.* "

Thanks again to all that helped out.

God bless,

Philip H. Todd

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