



JOURNAL  
of the  
SCHOOL OF FOREST RESOURCES  
North Carolina State University

**1974**

# THE PINETUM

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of the  
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North Carolina State University

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## HIGHLIGHTS OF THE 1973-74 ACADEMIC YEAR

By

Dean Eric L. Ellwood

Another year has gone by at what seems to be an ever increasing pace in terms of the legion of activities that are associated with the modern land grant university.

In the academic and instructional field, our forestry program underwent an accreditation review by the Society of American Foresters. The program came through the review with flying colors and, in the words of one of the reviewers, it was ironic that our program was reviewed to see if we met the standards of the SAF when, in reality, we were setting many of the standards.

Growth has its pleasures and its pains. Biltmore Hall, now in its fourth year of use, continues to be a fine facility, however, several of our classes now exceed the larger classrooms. Slocum Camp at Hill Forest was taxed to its limit in accommodating the 1974 summer forestry class as regards residential, cooking, toilet and septic tank facilities and the largest indoor classroom there will no longer seat the entire class. We did construct two additional four-person student cabins in the camp with the funds that we were able to acquire. In spite of the situation it was a good camp and many students claimed to have enjoyed their experience.

This past summer saw the largest number ever of recreation students undertaking their intership training. Fortunately, in this case we do not need to provide the training facilities but three faculty were very busy making contacts with the students and their employers during the summer.

One experience that many of the students did enjoy also was the 17th Annual Conclave which was hosted by the School and the Forestry Club at the Mary Atkinson Girl Scout Camp. This was an event of major economic and planning proportions for the involved host students and was an almost traumatic event for the faculty of the host institution. But in spite of the rain, spirits and enthusiasm of the eleven participating schools was higher than ever before.

In the field of graduate programs and research, some successes were achieved in the face of a deteriorated funding situation from certain federal sources to the School. Perhaps the two most notable research program developments were: a) the establishment of a Furniture Research and Development Applications Institute to be jointly administered by the Schools of Engineering and Forest Resources. The Institute, which is sponsored and funded initially by the National Science Foundation, is designed to encourage research and development of value to furniture manufacturing and to do this eventually on an industry self-sustaining basis; b) a new cooperative research program was initiated between the school and the pulp and paper industry including some supplier companies. This program has, as its objective, the goal of developing a pulping process that does not utilize sulfur, which is the cause of the smell often associated with Kraft pulp mills. Twenty-two companies, including some overseas firms, have joined in supporting this study.

The cooperative research program in forest fertilization was given the go-ahead for another five years and the cooperative tree improvement programs received

widening recognition and will expand operations by the addition of one professional man in the near future.

Forest Resources Extension has been very active during the year and conducted 53 short courses and 211 other courses involving some 12,000 people. Additionally, the extension group gave 52 radio and television shows.

They were active in such diverse areas as Christmas tree products, forest economics, 4-H and youth activities on through to timber harvesting, recreational facility planning and prevention of deterioration of wood in housing.

Because of the large classes which were developing in the school under-graduate programs and also the strain on facilities due to growth in enrollment, we took the step one year ago of raising admission standards for entering freshmen to the School above that for the campus generally. This was with the objective of controlling enrollment growth in the two largest curricula--namely, in forestry and in recreation and park administration. To continue enrollment growth without concurrent growth in teaching resources and of certain facilities was seen to be weakening the quality of the instructional program. Therefore, the 1973 fall semester enrollment mirrored the consequences of that policy, i.e., enrollment growth was checked and enrollment stayed approximately the same as that for the previous year. However, the junior and senior classes were larger with the largest number of students ever graduating from the School during 1973-74, i.e., approximately one-third more than for the previous year. Most of the increase was due to an approximate doubling of the number of recreation graduates resulting from an increase in transfers into the recreation program from this and other campuses.

Another "first" was the graduation of two women from the forestry curriculum.

#### ENROLLMENT FALL 1973

<u>Curriculum</u>	<u>Undergraduate</u>	<u>M. S.</u>	<u>Ph.D.</u>
Conservation	60		
Forestry	337	19	17
Natural Resource Recreation Mgt.	28		
Recreation and Park Administration	293	13	
Pulp and Paper Science and Technology	85		
Wood Science and Technology	39	11	4
Special and Unclassified	<u>3</u>	—	—
<b>TOTAL</b>	<b>845</b>	<b>43</b>	<b>21</b>

Degrees awarded in 1973-74 were:

Bachelor	191
Masters	17
Doctorate	<u>4</u>
<b>TOTAL</b>	<b>212</b>

Placement of graduates improved somewhat over the previous year. Graduates of the pulp and paper and wood science programs had the least difficulty in locating professional positions of their choice.

Approximately 85% of the forestry graduates were placed in forestry positions by mid August.

The very large graduating class in recreation, i.e., approximately 90, created some placement difficulties. By mid August some two-thirds of the graduating class were known to have employment in the recreation field.

#### FACULTY STAFF

Changes in faculty personnel included the following appointments and resignations:

Assistant Professor Phillip McKnelly was appointed to a retirement vacancy in the Recreation Resources Department in August 1973 and Assistant Professor David L. Erickson has been appointed to the recreation vacancy created by the retirement of Associate Professor Gordon Hammon and will take up the position in the 1974 fall.

Dr. Fred Hain, a forest entomologist, was appointed to a research position jointly between the Departments of Entomology (School of Agriculture and Life Sciences) and of Forestry. He will reside in the Entomology Department.

Extension Assistant Professor Frederick Hill (Wood Science and Technology) resigned to take industrial employment and his successor is being sought.

Promotions for the year included:

D. Lester Holley to Associate Professor of Forestry and Economics.

Ross Douglass to Extension Associate Professor.

Robert C. Gilmore to Associate Professor of Wood and Paper Science.

Robert E. Sternloff to Professor of Recreation Resources Administration.

Awards and recognitions received by faculty during the year were as follows:

Dr. Hou-min Chang. N. C. State University Chapter, Sigma Xi Research Award.

Dr. C. B. Davey. Served as President of Gamma Sigma Delta (Honor Society of Agriculture).

Dr. E. L. Ellwood. Member of USA delegation on cooperative research in forestry between USA and USSR.

Mr. T. V. Gemmer. Recognized as an Outstanding Teacher (one of 12 for NCSU).

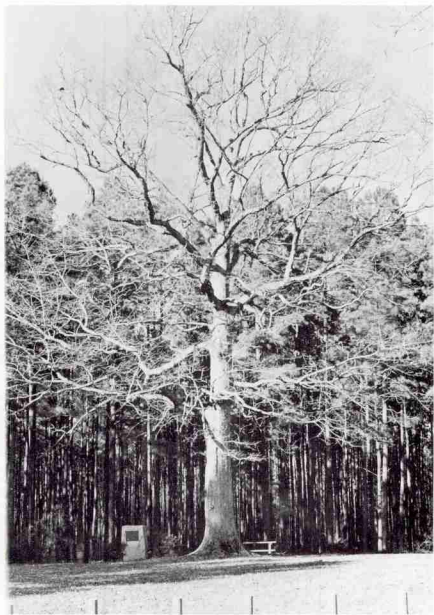
Mr. T. I. Hines. Establishment of T. I. Hines Scholarship in Recreation Resources by Board of Regents, Recreation Revenue Sources Management School.

Dr. R. J. Preston. N. C. State University Alumni Association Award of Merit.

Mr. Fred E. Whitfield. Governor's Award in Forest Conservation.

Dr. Bruce J. Zobel. N. C. State University Outstanding Extension Award; Research Award from Technical Association of the Pulp and Paper Industry.





## PEOPLE, PLANNING, AND POLITICS

By Ralph C. Bryant

Dr. Earl Cook (1) has coined what to many may be a new word, ecoethics, in his interesting discussion of the ethical positions present in today's environmental controversies. These same positions are equally pertinent to the problems of long range forest land planning.

Cook described an ethic as a "self-imposed limitation on freedom of action in the struggle for existence" which tell us "what we may do, among all the things we can do." He points out that a modern nation,

"... has no ethical arm and its political leaders move cautiously trying to develop new devices for sensing what its people consider good and what they consider bad. They move cautiously because they face sustained and growing questioning of goals and values - because opinions differ and conflict - because many people are uncertain or unclear about their values and goals - because values seem to be changing rapidly, especially among the young - because there is great difficulty in determining what the people want, let alone what may create for them in Aristotle's words, "The best possible opportunity for living the good life."

And so it is that governmental units experience enormous difficulties in developing land use and planning legislation. Witness the National Land Use Policy Bill which was stalled for months and finally "died" in Congress, the North Carolina Coastal Management Act which finally passed only after emasculation by amendments, and the City of Raleigh "Green Belt" plans which are currently being battered by developers and land owners interested primarily in profits.

The problem of planning for forest lands is a search for a balance between the interaction of man and land, which as Davis (2) points out then requires political decision before they go to an administrator for continuity of execution. No longer can the forester follow the traditional path to intensive timber management. He must join hands with the engineer, the landscape architect, the wild-life biologist, the soil scientist, the sociologist, the geographer, and other specialists to balance the needs of man and the requirements of the land. In this process they all face the ethical attitudes of the public regarding land use and the environment.

One of these is the development ethic. Basically, Cook says this is a modern version of the dominium or conquest ethic which in Judeo-Christianity states that man should multiply and fill the earth and subdue it. The implication is that good arises from the management and mastery of nature. Develop all resources, change them to meet man's desires, get better, go faster, expand, and to hell with aesthetics, contemplation, and the quiet life. Build dams, bridges, highways, and bigger and noisier planes. Conquer outer space and the depth of the oceans.

Another is the preservation ethic which forbids further change by man of areas which have special aesthetic, recreational scientific, therapeutic, environmental, or other endangered values. Cook lists moral preservationists or "nature mystics" who believe nature is good in and of itself, and who speak of the rape of the woodlands, mountains, and sea shores. The aesthetic preservationist would reserve lands for the aesthetic satisfactions which may be derived from visiting them. The scientific preservationist believes that man can learn more from un-

disturbed than from altered systems. The recreation conservationist wants areas controlled or preserved for hunting, fishing, hiking, picnicing, or simply to enjoy peace and quiet.

Cook makes the point that much of the force behind the preservation ethic comes from an urban revolution resulting from the "environmental pollution and urban stresses of the Industrial Revolution."

The third is the equilibrium ethic which requires us to work towards achieving a, "stable equilibrium between man and his environment short of disaster," on a world-wide basis. Implied is a stabilized population and a reversal of a growth-oriented economy to provide a high standard of living and a wide sharing of life's amenities. This ethic constrains people to examine all the consequences of a proposed alteration of the environment and to demonstrate a "positive benefit-cost ratio, with non-market costs and benefits included in the assessment before proceeding." Rejection or severe modification of a proposal can result. More and more often, problems of the environment and apparent mistakes in land use are being debated in the political arena and ultimately in the courts.

There is apparently also a trend to place the burden on the developer to prove that his proposal has a clearly benefit-cost ratio for the nation rather than to put the burden on the citizen who usually, too late, has tried to prevent an undesirable project affecting the environment.

It is little wonder then that the planner of forest land use approaches his task with a humble spirit, hoping that his vision and wisdom and that of his colleagues will lead him to the best of many alternatives and help create "the best possible opportunity for living the good life."

- (1) Cook, Earl. 1973. Ecoethics and environmental politics. Exxon, USA. Second Quarter: 16-20
- (2) Davis, K. P. 1973. Perspectives in European Land Use. Forestry 71: 471-473.

## RECREATION PLANNING

Recreation planning is a concept born of two undefinable terms. It is true that many individuals can offer personal interpretations of recreation and planning, but it is extremely difficult to reach a consensus of opinion among professional groups associated with the two fields. There is perhaps no better example of this identity problem to be found than that existing in the institutions of higher education in the United States. A quick look around North Carolina and the nation reveals recreation programs administered by Schools of Agriculture, Arts and Sciences, Education, Forestry, and Social Sciences. Planning curriculums, on the other hand, may be found in Schools of Architecture, Design, Engineering, and Landscape Architecture. When two programs are sponsored by such diverse factions, an environment for misunderstanding is no an unusual by-product. Combine the two terms into the concept of recreation planning and the ground work is set to make a compound situation more complex. However, before allowing the discussion to get completely out of hand, an examination of the track record of recreation and planning may be in order to see if a possible message exists in the midst of the apparent confusion.

Early recreation service programs in the United States were heavily oriented toward outdoor sports. A natural consequence of that origin was that early leadership tended to fall on the shoulders of physical educators. As the nation moved toward becoming a society of leisure, recreational interests expanded and the demand for arts and crafts, dance, and music programs grew. With urban sprawl came social conflict and the growth of an attitude that recreation was the solution to our cultural problems. In essence, as leisure spread in different directions, professionals from various disciplines were called on to provide leadership as problems in their particular areas appeared. It was not until the mid-1960's that the various recreation "professions" merged to become the National Recreation and Park Association and the concept of a multi-disciplinary field was born. There is still no complete agreement on a definition for recreation or even the place of leisure services in our society. However, professionals in the field have finally recognized the fact that recreation is a many faceted concept and that a need exists for a coordinated effort among the disciplines in seeking solutions to the problems of our culture.

Conversely, planning originated in two different fields. A landscape architect, Ulmstead, has been recognized as the original park planner. The first city planners were civil engineers. As the recreation movement grew, conflicts between the two factions erupted and were later compounded by the emergence of recreation administrators and social scientists. Once again, a degree of accord has been reached with the recognition of the need for aspects of the various contributing disciplines to be considered in the planning process.

In considering the history of the two separate fields - recreation and planning - is there a message for recreation planners? The current "state of the art" appears to be quite similar to the earlier stages of the separate fields. College

campuses across the country are filled with departments of Economics, Forestry, Landscape Architecture, Recreation and Parks, and Sociology that are actively competing in the production of recreation planners. Indeed, it is a shame that more institutions involved in recreation planning have not recognized the uselessness of such competition and learned from the track record of both planning and recreation. Recreation planning is certainly based on a multi-disciplinary concept. To educate a recreator without an appreciation for the landscape architect or a civil engineer without an understanding of sociology is self-defeating, and the sooner we, as a profession, accept that instead of giving it lip service, the sooner the profession will be able to come to grips with recreation planning problems in our society.

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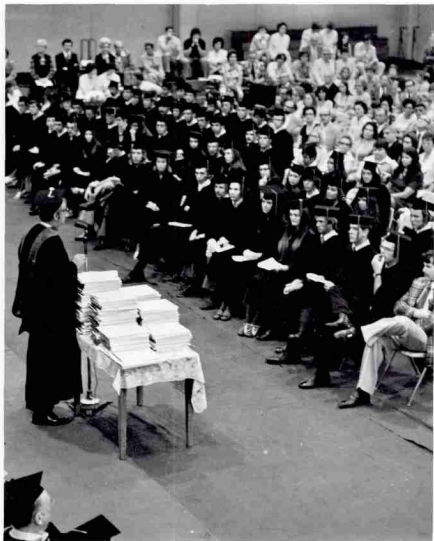


MRS. ELIZABETH WILSON  
Lab Technician



MRS. JUDY WILLIAMS  
Secretary  
Extension Forest Resources Department

# SENIORS





RUPERT W. HASTY  
Jackson, N. C.  
Conservation/SWB



CATHERINE KNAUFF  
Newton, N. C.  
Conservation



JOSEPH O. ASHLEY  
Warrensville, N. C.  
Forestry  
SAF, Forestry Club



RANDY AUSTIN  
Charlotte, N. C.  
Forestry  
Xi Sigma Pi (Ranger), Alpha Zeta



JUDY BALDWIN  
Fletcher, N. C.  
Forestry



WILLIAM T. BARBER  
Morrisville, N. C.  
Forestry/Wood Science Technology



JOHN BUNN  
Raleigh, N. C.  
Forestry  
Golf Team



GREGORY S. CONNER  
Louisville, Ky.  
Forestry  
SAF, Forestry Club



MIKE CUSIMANO  
Hamburg, N. Y.  
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Forestry Club (President), SAF



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Forestry  
SAF (Executive Chairman), Forestry Club  
(Secretary, Treasurer), ASFC Conclave (Secretary)  
Field Hockey Club (President)



TED A. GRAHAM  
Spencer, N. C.  
Forestry/Conservation  
Forestry Club (Equipment Chairman),  
Junior Rolleo (Captain), SAF



BILL HARDIN  
Shelby, N. C.  
Forestry



ROBERT S. HICKS  
Durham, N. C.  
Forestry/Natural Resource Recreation Mgt.  
Xi Sigma Pi (Asst. Forester),  
Forestry Council (President), Rho Phi Alpha  
(Sgt.-at-Arms), Forestry Club, SAF



JAMES HODGES  
Boone, N. C.  
Forestry



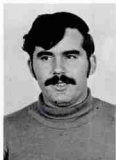
SEWALL K. HOFF  
Westminster, Md.  
Forestry  
Xi Sigma Pi, Phi Kappa Phi,  
Technician, (Features Editor), Forestry Club  
(President), Forestry Council



JIM HOPP  
Lynchburg, Va.  
Forestry  
Forestry Club, SAF, Intramurals



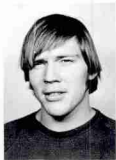
ED HUFFMAN  
Black Mountain, N. C.  
Forestry  
Forestry Club, Xi Sigma Pi



GARY JONES  
Raleigh, N. C.  
Forestry/Conservation/Natural Resource Recreation Mgt.  
Forestry Club, SAF, Contact Football Club



JIM LAMBETH  
Jackson Springs, N. C.  
Forestry  
Forestry Club, Intramurals



JOHN LAUGHTER  
Hendersonville, N. C.  
Forestry/Natural Resource Recreation Mgt.  
Forestry Club, Badminton Club



WILLIAM S. LEFLER  
Granite Quarry, N. C.  
Forestry/Wood Science Technology  
Forestry Club, Forestry Council, FPRS



TIM LOWDER  
Ablemarle, N. C.  
Forestry/Conservation  
Alpha Zeta, Intramurals



STEVE MARTIN  
Star, N. C.  
Forestry



ALAN R. MEDFORD  
Clyde, N. C.  
Forestry/Natural Resource Recreation Mgt.  
Xi Sigma Pi, Rho Phi Alpha





RONALD E. MILLER  
Colerain, N. C.  
Forestry



REED F. MORGAN  
Weaverville, N. C.  
Forestry/Natural Resource Recreation Mgt.  
Forestry Club, Xi Sigma Pi, SAF



TONY OAKLEY  
Cedar Grove, N. C.  
Forestry  
ROTC, AFROTC



STEPHEN JOHN PIDA  
Arlington, Va.  
Forestry/Business-Agricultural Economics  
Xi Sigma Pi, Intramurals



MICHAEL SPRING  
Creswell, N. C.  
Forestry  
Forestry Club, SAF



LARRY THOMAS  
Sanford, N. C.  
Forestry  
Forestry Club, SAF



MARK VODAK  
Sylva, N. C.  
Forestry  
Xi Sigma Pi SAF (Vice-President),  
Res. Hall Officer (Vice-President,  
President, Rep. to CARA, Rep. to IRC),  
Advisory Comm. to Residence Life



JAMES F. WATSON, JR.  
Roanoke Rapids, N. C.  
Forestry/BEC



STEPHEN A. WATSON  
Raleigh, N. C.  
Forestry  
Forestry Club



PHILLIP WICKER  
Southern Pines, N. C.  
Forestry  
Track & Field, Rifle Team,  
Forestry Club, SAF



ROBERT H. WILDS  
Florence, S. C.  
Forestry



CARL H. DAVIS  
Wendell, N. C.  
Natural Resource Recreation Mgt.



KENNETH MORGAN GODSEY  
Mathews, Va.  
Pulp & Paper Technology  
Alpha Gamma Rho (Vice-President)



CALVIN HENRY HEWITT  
Elizabeth City, N. C.  
Pulp & Paper Technology  
Forestry Council, TAPPI, Intramurals



RICK HOOD  
Raleigh, N. C.  
Pulp & Paper Technology  
Sigma Chi



JOHN NICKELL  
Pine Bluff, Ark.  
Pulp & Paper Technology  
Mu Beta Psi



REX A. ROBERTSON  
Windermere, Fla.  
Pulp & Paper Technology



KENNETH SMITH  
Raleigh, N. C.  
Pulp & Paper Technology



JOHN C. VANOSDOLL  
Stone Mountain, Ga.  
Pulp & Paper Technology  
Phi Kappa Phi



KEITH WILLIAMS  
Savannah, Tn.  
Pulp & Paper Technology



CARL M. WRIGHT  
Canton, N. C.  
Pulp & Paper Technology  
TAPPI (Treasurer)



ELIZABETH ANN ARAY  
Raleigh, N. C.  
Recreation & Park Administration



KEN CAMPBELL  
Pitnam, N. J.  
Recreation & Park Administration



KATHRYN CHEVES  
Bunn, N. C.  
Recreation & Park Administration



MIKE DAVIDSON

Aulander, N. C.

Recreation & Park Administration

Circle K, Rho Phi Alpha (Treasurer),

Xi Sigma Pi, Majors Club (President),

Forestry Club, Intramurals



ELWOOD K. DOUGLAS

Yorktown, Va.

Recreation & Park Administration

Xi Sigma Pi (Fiscal Agent, Forester),

Rho Phi Alpha, Rec. Majors Club



MICHELLE GARBARCZUK

Weymouth, Mass.

Recreation & Park Administration

Xi Sigma Pi, Rho Phi Alpha



SUSAN HARDEE

Raleigh, N. C.

Recreation & Park Administration

Xi Sigma Pi (Secretary, Fiscal Agent),

Rho Phi Alpha (Treasurer), Forestry Club,

Sigma Kappa



DAVID D. HUCKABEE  
Greensboro, N. C.  
Recreation & Park Administration



CHRISTINA MARIA IULUCCI  
Fayetteville, N. C.  
Recreation & Park Administration



JIM LOWRY  
Washington, N. C.  
Recreation & Park Administration  
NCSURPA (Secretary, President), NRPA,  
Forestry Council, NCRPS (Chairman:  
Student Division), Varsity Lacrosse  
(Captain), Forestry Club



LINDA McCALL  
Hickory, N. C.  
Recreation & Park Administration  
NCSURPA, Rho Phi Alpha (President),  
Xi Sigma Pi, PINETUM (Business  
Editor), Forestry Council





MICHAEL H. McCORD  
Fairfax, Va.  
Recreation & Park Administration  
Xi Sigma Pi, Rho Phi Alpha, Rec. Club



C. LYNN PHILLIPS  
Charlotte, N. C.  
Recreation & Park Administration  
Majors Club, Forestry Council,  
Student Grievance Committee, NCRPS, NRPA



CAROLYN POE  
Durham, N. C.  
Recreation & Park Administration



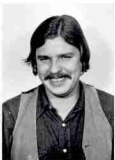
DAVID T. SEAFORD  
Kannapolis, N. C.  
Recreation & Park Administration



DAVID SMITH  
South Boston, Va.  
Recreation & Park Administration  
Rho Phi Alpha, NCSU Majors Club, NRPA



THOMAS D. WALLER  
Pollocksville, N. C.  
Recreation & Park Administration



ED WRAY  
Shelby, N. C.  
Recreation & Park Administration  
Entertainment Board



ELWOOD S. CAIN  
Fayetteville, N. C.  
Wood Science Technology  
AFP Fraternity (Social Chairman,  
Alumni Secretary, President)



BRAD CHESSON  
Plymouth, N. C.  
Wood Science Technology  
FPRS



JOHN W. HOKE  
Woodland, N. C.  
Wood Science Technology  
FPRS (President), AFROTC, Forestry  
Council



DAN JOHNSON  
Conway, N. C.  
Wood Science Technology  
FPRS

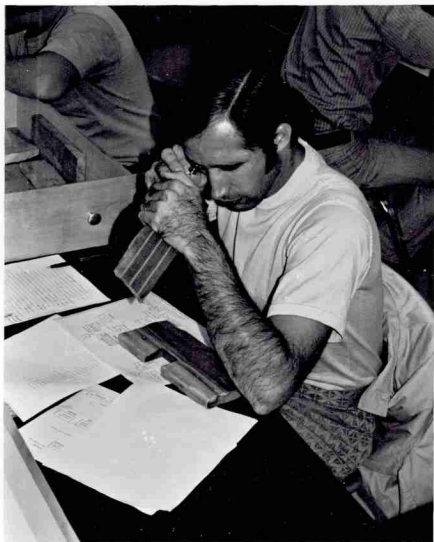


JAMES S. MALPHRUS  
Shelby, N. C.  
Wood Science Technology  
FPRS (Vice-President), Society of  
Wood Science & Tech.





# STUDENT LIFE





## FORESTRY COUNCIL

By Rob Hicks

Have you ever wondered where two dollars of your student fees go every semester. . . or where the money comes from for the Pinetum. . . or where student organizations get additional funds to operate on? This is all handled by the Forestry Council which is composed of representatives of the clubs, societies, departments, and senators in the School of Forest Resources. But the representation this year, as has been the trend in the past, was not good. Attendance was so sparse that the quorum requirement for conduction of business was lowered from two-thirds to one-half of the membership present. It was even a problem to get two-thirds of the members there to vote on the change!

Nevertheless, there were those members who cared about representing their elected organization, and regularly attended the meetings to carry out the functions of the council. In distributing funds this year:

\$600.00	Loggers Brawl
\$500.00	Clubs and Societies
\$2500.00	Pinetum (subject to increase)
\$75.00	Faculty Evaluation Booklet
\$75.00	Pay-phone and Magazines for Library

The council members were also involved in coordinating programs such as the University-wide Open House, the Outstanding Teacher Selection committee, and the new student Grievance Mediation Committee.

Forestry Council meetings are always opened to the student body, and this provides an opportunity for students to find out what the council does and how they can get involved. There is also provided a common meeting ground for the varied interests and conflicts present in a school such as ours. If you ever have a question about the council concerning where and when it meets or who your representative is, contact Dr. L. C. Saylor in 2028-C Biltmore Hall. He is the advisor of the council and is most receptive to anyone who has an interest in its responsibilities and function.

Rob Hicks . . . . .	President
Al Batchelor . . . . .	Vice President
Tom Crews . . . . .	Secretary
Glen Harmon . . . . .	Treasurer

## XI SIGMA PI

by Forester Woody Douglas

Xi Sigma Pi is the oldest and largest national forest resources honorary society, originating in the colleges and universities of the United States. The society was founded in 1908 at the University of Washington, and since that time has expanded to over 40 chapters throughout the nation. The twelfth chapter, Mu, was established at North Carolina State University in 1940, and is still a vital and active organization within the School of Forest Resources.

Originally, Xi Sigma Pi was formed for the expressed purpose of honoring men working and studying in the field of Forestry. However, as the importance of the Forest related fields began to grow the society expanded to include all of the curricula of the school of Forest Resources. Mu Chapter now has faculty, graduate, and undergraduate representation from all curriculum. This variety in membership gives the members the opportunity to become more familiar with the different Forest Resources related fields, thus increasing their awareness of the importance of the total field, as well as their own.

Xi Sigma Pi has also expanded its objectives with its increasing membership. The basic objective of the society is still to honor both the outstanding student and professional person, however, Xi Sigma Pi strives for the improvement of the Forest Resources related work by encouraging the development of leadership potential recognized within each member of the society.

At present, the society activities consist of: 1. By-weekly meetings, the first and third Thursdays of each month. 2. The presentation of the Freshman Axe Award, which is given to the freshman with the highest academic average at the end of his freshman year. 3. A Smoker Dinner each semester. 4. A fall social function, which in the fall of 1973 consisted of a chile dinner and wine tasting affair held at the Hill Forest. 5. The Annual Steak Dinner, this semester, saw the 6th Annual Steak Dinner held at the Dairy Exhibition Barn located at the Research Farm No. 3 between the faculty club and the State Fairgrounds. 6. Another function not normally conducted by the organization was a concession stand which was sponsored to help the Forestry Club by providing food for spectators who attended the Conclave competition. 7. Each year we present to the outstanding senior selected by the membership, but not a member of the organization, the Outstanding Senior Award. This presentation is made at the senior picnic which is held at the end of each spring semester. The picnic is open to all the seniors of the School of Forest Resources and is sponsored by Xi Sigma Pi at no charge to the students.

### Officers

#### Old & New

Woody Douglas  
Rob Hicks  
Susan P. Hardee  
Randy Austin

Forester  
Asst. Forester  
Sec/Fiscal Agent  
Ranger

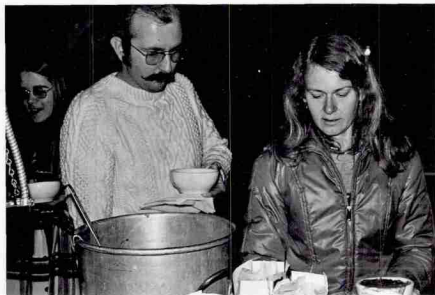
Lindsey Dietrich  
Steve Baker  
Glenn Harman  
Don Johnson





Xi Sigma Pi smoker and awards at Dr. Bryant's.





Xi Sigma Pi wine tasting and chili dinner at Hill Forest.

## RHO PHI ALPHA

Rho Phi Alpha is the brainchild of Professor T. I. Hines, and the result of the efforts of eleven seniors from the class of 1958. These twelve instigators are the charter members of the Alpha Chapter of Rho Phi Alpha Honorary Professional Recreation and Park Administration Fraternity. The organization has grown from that beginning membership of twelve, and we now boast of an active membership numbering almost forty.

The purposes of Rho Phi Alpha are to recognize, promote, and encourage students of high moral character and unselfish devotion to the study, research, and application of knowledge to the betterment of recreation and parks for all people, and to recognize those persons who have made outstanding contributions to the field of recreation and parks.

Each fall semester, Rho Phi Alpha mans a booth at the Agri-Life Sciences and Forest Resources Open House. This year we began having smokers each semester in order to meet perspective pledges. The new initiates are honored during a banquet and formal initiation. In the spring, Rho Phi Alpha co-sponsors a picnic for all recreation students and the department. Rho Phi Alpha, at the time of the picnic, honors instructors for their outstanding service to the department upon their retirement from the teaching profession. They also honor an outstanding senior in recreation each year. Last year's outstanding senior was Dexter Barnett, past president of the organization.

### The 1973-74 Officers:

President--Linda McCall

Vice-President--Michelle Garbarczuk

Secretary--Kathy Hewitt

Treasurer--Mike Davidson

Sargeant-at-Arms--Rob Hicks

Advisor--Dr. Robert E. Sternloff

TAPPI  
N. C. State University Student Chapter  
1973-74 Report

By Rex A. Robertson

This past year has been a successful one for TAPPI. Meetings with interesting programs, picnics, and participation in some University activities highlighted the year.

Regular meetings were held ten times during the school year. Meetings were on the 2nd and 4th Wednesdays of each month when possible. The meetings consisted of both business meetings and interesting programs. Programs for the past year included:

- (1) presentation of African slides by Dr. R. J. Preston, Dean emeritus of the School of Forest Resources, NCSU
- (2) lecture on The Energy Crisis and the Environment by Prof. J. C. Wallace, University Studies Department, NCSU
- (3) presentation of Himalayan slides by Dr. R. J. Preston
- (4) program on Non-Conventional Bleaching by Bob Harrison, Impco
- (5) lecture on Environmental Legislation by Art Plummer and Dave Fary, Chesapeake Corp. of Virginia, West Point, Va.
- (6) program on Plastic Wire Manufacture and Use by Joe McKenna and Walt Johnston, Huyck Formex Division, Wake Forest, N. C.

On September 29, TAPPI members participated in the Open House for the School of Forest Resources. A paper making and paper products exhibit was set up and manned by members in the William Neal Reynolds Coliseum throughout the day.

Some TAPPI members attended the annual meeting of the Pulp and Paper Foundation at the Velvet Cloak Inn, Raleigh, on November 2. The October 24 chapter meeting was cancelled, and the Foundation meeting served as a substitute.

TAPPI sponsored two picnics this past year, one in the fall and one in the spring. The picnics were held at Schenck Forest outside of Raleigh and were open to all pulp and paper students and Faculty and their guests.

The election of officers for the 1974-75 year was held at the last meeting of the year on April 10. The new officers are as follows:

President	Kathleen GylInquist
Vice President	Chris Smith
Secretary	Chesley Powell
Treasurer	Walter Skipper
Program Chairman	Dave Bradley
Forestry Council Rep.	Mike Dennison

Correspondence with the new officers may be addressed to 2106 Robertson Wing, Biltmore Hall, NCSU, Raleigh, N. C. 27607.



### SOCIETY OF AMERICAN FORESTERS

The Society of American Foresters is the professional organization for forestry students in the School of Forest Resources. It is a young organization, being chartered only since 1972. The student section is a part of the Appalachian Section of the national organization.

The S.A.F. has attempted worthwhile projects, such as construction of a nature trail at the Schenck and an education program in surrounding public schools.

The S.A.F. represents a new generation of foresters with many new, exciting and useful ideas. This new breed of foresters concerns himself, not just with forestry, but with conservation, ecology and the many aspects of his environment.

#### Officers

Chairman  
Executive Vice Chairman  
Vice Chairman  
Secretary-Treasurer

Michael Spring  
Jo Anne Ernst  
Mark Vodak  
Mark Home



## FORESTRY CLUB

By Jim Crane

He wandered into Room 2010 because that's where Paul Bunyon said it was to happen. He heard much mentioned about the club during summer camp, and after meeting the people there, he decided to give it a try. As he entered the room, he could sense a feeling of closeness. The first thing he noticed was the cigarette smoke swirling around the bright red "NO SMOKING" sign. He stumbled over many pairs of "redwings" before he finally found a seat. The sound of spttttttt. . . filled the room as a brown liquid zeroed in on top of a Coke can, some not quite making it and splattering on the floor. He finally managed to focus his attention on the meeting. Discussions were really coming along now as talk progressed about the year's upcoming events. The Rolleo was coming up quicker than anyone had expected and advice was given that people should start practicing for their events. A committee was formed for the Conclave which was about 4 or 5 months away. Tree jobs were set up. Everything seemed to fly by. Before he knew it, the meeting was being adjourned with a note that all important business would be handled at Jake's. He left about as confused as when he had arrived. Where was Jake's house?

The year progressed and he became more acquainted with the "goings-on" of the club. He learned to climb with tree spikes after putting them on backwards the first time and getting laughed at by the more experienced climbers. It was hard work, sure, but somehow the time passed quickly. He found himself making more spare time to work with the club. Club parties also found their way into his schedule. Why, he asked himself, do I wake up more tired after one of these parties than after putting in a full day's work? A "nostrovia" he soon found out, was much more than a funny sounding foreign word. The Rolleo a-

rrived and for the first time, he saw what Forestry competition was all about. All it seemed to do, however, was to whet his curiosity for the Conclave. Of course he had to wait until the Logger's Brawl was over. Time passed and the big event was almost here. He worked hard getting things ready for the club... milling logs, hauling materials out to the site, and setting up. At last, everything was set up and the busses started pulling in. Miss. St., Texas, Oklahoma, Arkansas, and the others pulled in all afternoon and he got the chance to meet other foresters from different states. Competition in the many events was fierce and the upsets were many. Friends were made and shirts exchanged. But it was over too quickly.

He walked into Room 2010 because he knew this was the place. Someone spit and a little got on his new pair of redwings, so he spit back. A little argument followed but it didn't amount to much, the guy was his friend. He felt a sense of accomplishment because he knew he was a part. He tuned in to the business of the meeting. The old business moved quickly, the new business went about the same and everything was wrapped up for another year. The meeting was adjourned and he headed for Jake's to discuss more important business.

#### Forestry Club Officers

	<u>Fall</u>	<u>Spring</u>
President	Sewall Hoff	Mike Cusimano
Vice President	Mark Horne	JoAnne Ernst
Secretary	Ed Sloan	Ed Sloan
Treasurer	Bill Swint	Bill Swint
Pulpwood Chairman	Doug Hathcock	Bill Champion
Ass't Pulpwood Chairman	Bill Champion	Chris Anderson
Tree Job Chairman	Mike Spring	Bruce Harvey
Ass't Tree Job Chairman	Bruce Harvey	Richard Allison
Equipment Chairman	Ted Graham	Bill Miller
Program Chairman	Bill Lefler	George Melton
Ass't Program Chairman	George Melton	Dave McGrew
Sgt.-at-Arms	Dave Harris	Scott Sillars
Club Advisor	Mac MacLaurin	

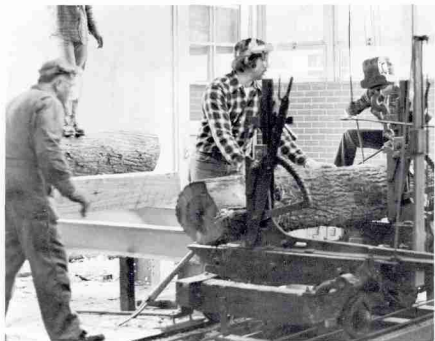
#### Conclave Officers

President	Al Batchelor
Vice President	Mike Cusimano
Treasurer	Bill Swint
Secretary	Jo Anne Ernst
Editor	Judith Baldwin

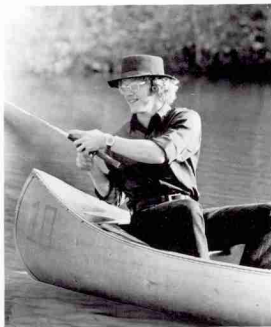


# CONCLAVE







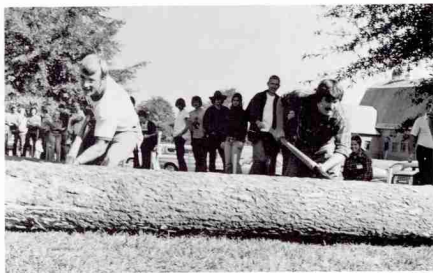


# ROLLEO '73





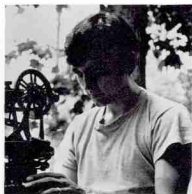
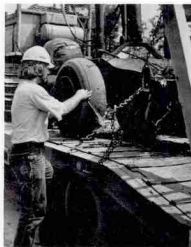




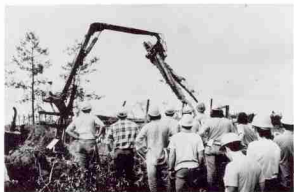
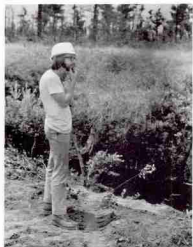


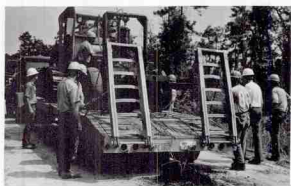
# SUMMER CAMP











## SCHOLARSHIPS AND AWARDS



Sewall Hoff receives the Homelite Award.

### 4-H SCHOLARSHIP (HOMELITE)

Fredrick Hiram Baggott

### GARDEN CLUB OF N. C.

Michael Elgin Bunch  
Michael E. Davidson  
Ted A. Graham

Allen Gregory Moon  
Harold Wayne Williams

### NEWS & OBSERVER PUBLISHING COMPANY WELFARE FUND

Frank S. Chappell

### EDWARDS ADVERTISING

James Douglas Elam

### BILTMORE WORK SCHOLARSHIPS

Jo Anne Ernst

Robert S. Hicks

Stephen R. Mathey

NCSU ALUMNI ASSOCIATION SCHOLARSHIP

Michelle L. Garbarczuk

CHARLOTTE-MECKLENBURG COUNCIL  
OF PTA SCHOLARSHIP

James Goodwin

HOMELITE CORPORATION SCHOLARSHIP

Sewall Hoff

NEW JERSEY STATE SCHOLARSHIP

Gary James Keane

CHARLES A. CANNON, JR. TEXTILE SCHOLARSHIP

Billy Lester Milan

N. C. ASSOC. OF INSURANCE AGENTS, INC.

Larry E. Newman

UNIVERSITY SCHOLARSHIPS

Fredrick Hiram Baggott  
Timothy James Garrahan  
James Floyd Hodges

Edward Crawley Minton  
Dwight Foster Williams  
Glenn Edward Woolard

## PULP AND PAPER FOUNDATION

John V. Aderton  
Robert E. Barlow  
Howard E. Barnett  
David L. Bradley  
Scott M. Bradshaw  
Carl R. Brothers  
Paul D. Brothers  
Stephen E. Brown  
Calvin W. Burcher  
James A. Buzzard  
Carson M. Carmichael, III  
George T. Davis  
Michael E. Dennison  
Robert E. Dillon  
Kenneth E. Drew  
Robert E. Durland  
James Gaines  
Kathleen T. Glynquist  
Kenneth Godsey  
Desi W. Gulley  
John H. Gurganius  
William C. Hale  
Robert S. Hall  
John P. Hancock  
Glenn S. Harman  
Calvin H. Hewitt  
Marsha J. Hinkie  
Richard F. Hood  
Kent O. Hudson  
Seaman K. Hudson  
Jeffery M. Jensen  
Patricia A. Johnson

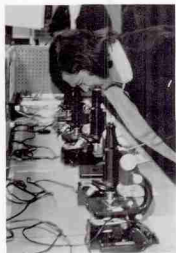
Judd V. Kaminskas  
Robert R. Kaminskas  
Joan E. Killian  
Glynn P. Kiper  
Bruce D. Lamb  
Thomas J. Lawson  
Michael L. McMullen  
John M. May, Jr.  
Edward M. Melton  
Frank W. Metheney  
Steven J. Moore  
Leonard D. Nelson  
John T. Nichell  
David A. Nielsen  
Richard S. Ogburn  
Richard K. Parker  
Chesley E. Powell  
William M. Ray  
Joseph D. Rector  
Rex A. Robertson  
Dale R. Saintdenis  
Walter R. Skipper  
Christian A. Smith  
Kenneth E. Smith  
Ronald L. Terry  
John C. Vanosdoll  
John F. Whitehead  
James K. Williams  
Rodney C. Williams  
James G. Wooten  
Carl M. Wright







Now THAT I can identify!!!



# Paperwork

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If you are really looking for a challenge and personal growth in the wood production field, join the leader — a production-oriented woodlands organization.

IP does not earn that rating by standing still. From developing genetically superior trees, both pine and hardwood, to harvesting them, IP is a leader in creating the most advanced forest management techniques and harvesting equipment in the wood-using industry.

In addition to knowing and growing trees, IP is concerned with people. Becoming a top forester-engineer-businessman is the first step of your training at IP to becoming a superior manager of men, materials and money.

If you think you can meet the challenge, and become a leader, contact the nearest IP Woodlands office for more information or write to: International Paper Company, Woodlands Department P.O. Box 2328, Mobile, Alabama 36601.



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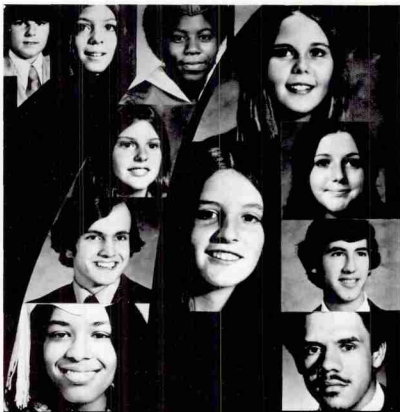
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Harvest? Crop of trees? Sounds weird talking about trees as crops, doesn't it? But they are. Just like wheat or corn. They take a lot longer to grow with the attendant risks of time, that's all.

When our crops of timber are ready to be harvested, Chesapeake uses the clearcutting (even-aged management) method. Because sun-loving trees like our Southern pines respond best to even-aged forest management.

Every year part of the forest area is clear-cut and reforested. Clearcut areas or tracts are small to preserve the scenic quality of the forest. So, what you have is a series of even-aged stands at different stages of growth throughout an all-aged forest.

Just as the farmer, Chesapeake uses the even-aged management method to harvest its crop.

Wise forest management. Just another way Chesapeake is working with nature to serve man.

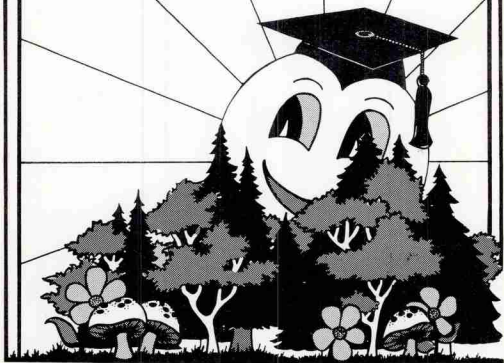


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