

PINE·TUM

The background of the cover is a dark, textured illustration of pine trees. The trees are rendered in a stylized, almost woodcut-like manner, with dark green foliage and lighter, textured trunks. The overall tone is dark and moody.

*North Carolina. State college
— Agriculture and engineering
Raleigh. School of Forestry.*

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1959

JOURNAL OF
FORESTRY OF THE
N.C. STATE COLLEGE

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1959

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About the cover: As a matter of interest, this is the design which appeared on the cover of the first PINETUM. It has value not only for old times' sake, but also because it reminds us of the long way the School of Forestry has come since the early days.

FOREWORD

In order to inform the readers of the great growth of the School of Forestry and other events occurring in the School, to add another chapter to the running history of the School which the PINETUM provides, and especially to retain for the Seniors and the other students memories of a year in Forestry at State, this 1959 Edition of the PINETUM is published.



GEORGE KELLOGG SLOCUM

1907-1959

Professor George K. Slocum, 51, died unexpectedly in Raleigh on January 14, 1959. The School of Forestry and the Alumni have lost a distinguished teacher, a staunch friend, and an accomplished scientist.

"Prof", as he was best known, was born November 16, 1907, in Scranton, Pennsylvania. After attending Central High School in Scranton and the Staunton Military Academy he enrolled in the Pennsylvania State Forestry School at Mont Alto. He transferred to North Carolina State College in the fall of 1929 when the School was established and received his Bachelor of Science in Forestry degree in 1931. During 1931-1932 he was a teaching fellow at State College and received his Master of Science degree in 1932. He successively advanced in rank to instructor, assistant professor, associate professor, and full professor.

In addition to his teaching career "Prof" worked with the U. S. Forest Service in the C. C. C. program during the summer of 1933, and in 1945 with C. R. Ross did the field work and published the **Forest Resource Appraisal of North Carolina** under the sponsorship of the American Forestry Association. At the time of his death he was president of the Southern Pine Management Company.

"Prof" was a member of the Society of American Foresters, the American Society of Photogrammetry, the American Forestry Association, and the North Carolina Forestry Association. He was a charter member of Xi Sigma Pi at the School here, and a member of Phi Kappa Phi and Sigma Xi, honorary fraternities.

"Prof" possessed the rare qualifications requisite to a great teacher, and the attributes which made him beloved by his friends and colleagues. A curious and inquiring mind, complete lack of pretense, a sense of humor, infinite patience with his fellow-man, understanding, compassion, and a strong faith in his own beliefs all were his. He had an unerring ability to live in harmony with his environment and helped others to do the same. Whether it was a night frog-hunting trip on the Flat River, a technical discussion of the merits of Virginia Pine, or a "bull" session in the evening, his warmth and personality brightened the occasion. Both students and friends enjoyed being with him, and were sure of his sympathetic interest both in their problems and their successes. Chancellor Bostian, upon learning of "Prof's" death stated, "North Carolina has lost an outstanding teacher and scientist in the death of Professor Slocum. Few teachers have left such a great impression of respect and endearment in the hearts of their students. Many hundreds of North Carolina State College

Alumni have had their lives and minds enriched through their association with Professor Slocum."

"Prof's" interest in the School of Forestry extended beyond his teaching duties. No man had more concern for the students. He was advisor for the Forestry Club from its beginning, and has been the Secretary-Treasurer of the Alumni Association since its establishment. To both he has given much time and effort cheerfully and without complaint.

The Hill Forest is a lasting monument to Professor Slocum's professional ability and dedicated effort. He loved the forest and spent most of his "spare" time there. He was justly proud of the many stands of pine grown from seed he collected, and seedlings he grew in the nursery and planted with successive classes of students. He has left a heritage that will keep his memory alive for future generations of foresters.

There are literally hundreds of experimental plots "Prof" established to help solve problems of planting, growth, yield, and management of the important species on the forest. His and Dr. Miller's Technical Bulletin No. 100, **Virginia Pine, Reproduction, Growth and Management on the Hill Demonstration Forest, Durham, N. C.**, is the outstanding publication on this species. His experimental work on depth of planting, yellow poplar, plantation spacing, and yields are good examples of but a few of his various research projects.

It will be impossible to replace "Prof" with a man of like talents and qualifications, for they are rare. For those who worked with him and studied under him there is sadness and regret, but gratefulness too, that they had the opportunity to be associated with him. He was a fine man.

To the Student Body, Alumni, and Friends:

We want you all to know how much we appreciate your many tributes to George's memory.

Thelma and Shirley Slocum

**GOOD FORESTRY leads to
a BETTER TOMORROW
in
NORTH CAROLINA**

*Congratulations to the students, the faculty and the
alumni of the N. C. State School of Forestry.*



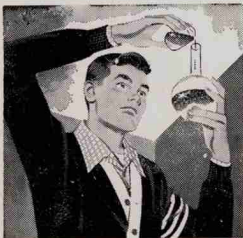
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"Which way shall we fall it?"

FACULTY



Dr. Miller, excited as usual



The master and his students



What! Is he still around?



A prof at work



A prof at work?



DR. R. J. PRESTON

Professor of Forestry
and Dean of the School
of Forestry, N. C. State
College.

B.S., M.S., Ph.D. Univer-
sity of Michigan.



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University.



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Wood Products Lab-
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Technology Department
Head.

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University.

DR. R. C. BRYANT

Professor of Forest Economics and Spring Camp Director.

B.S., M.F. Yale University; Ph.D. Duke University.



R. M. CARTER

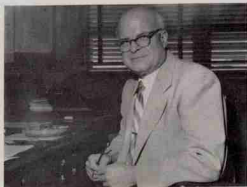
Professor of Wood Technology.

B.S. University of Minnesota; M.S. Michigan State.

H. D. COOK

Assistant Professor of Pulp and Paper Technology.

B.S. Massachusetts Institute of Technology.





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B.S. V.P.I.; M.S., Ph.D.
N. C. State College.



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ty; M.F. Duke Universi-
ty.

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Director Emeritus, Man-
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Forestry Foundation.



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Technology, N. C. State
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Associate Professor of
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B.S., M.F., Ph.D. Uni-
versity of California.



Maki: "Cowdung makes a good fuel when it's dry. It's slow-burning, like Prince Albert."

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The greatest incentive toward good forestry practices is a reliable market for wood. By providing such a market for trees cut from thinnings in young stands and from improved cuttings in older stands, the pulp and paper industry makes possible the practice of good forestry in the South.

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International Paper COMPANY

MOBILE, ALABAMA

DOCTOR ALFRED J. STAMM

A welcomed and highly valuable addition to our faculty is the man said to be the world's greatest wood chemist; Doctor Alfred J. Stamm. Doctor Stamm will be a Research Associate Professor of Wood Technology and will devote his work to teaching a new course in Wood Chemistry and to chemical and physical research on wood and wood products.

Doctor Stamm earned his B.S. in chemistry at California Institute of Technology in 1921. At Wisconsin he attained an M.S. in 1923 and a Ph.D. in 1925. He has studied in Australia as a Senior Fulbright Research Fellow and in Sweden.

Doctor Stamm has had a long and distinguished career with the U. S. Forest Products Research Laboratory at Madison, rising from Associate Chemist to Division Chief and Subject Matter Specialist. He has been connected most recently with the Institute of Paper Chemistry.

Doctor Stamm is past chairman of the Colloid and Cellulose Divisions and the Wisconsin section of the American Chemistry Society. He has also been on the FAO Wood Chemistry Subcommittee, an International Forestry Convention delegate, and a member of the National Research Council. The honor fraternities Tau Beta Pi, Sigma Xi, Phi Lambda Epsilon and Alpha Chi Sigma proudly claim Doctor Stamm a member.

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- ★ Community Improvement
- ★ Industrial Expansion

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MR. JAMES T. RICE

Mr. James T. Rice is another new faculty member. He will assist Doctor Stanun in Wood Chemistry and teach other courses in the area of glues and gluing. Mr. Rice calls Montgomery, Alabama home, but he comes to us from the Army, where he served from 1954 to 1956 as a first lieutenant in the Corps of Engineers. Before his Army service he went to Auburn and obtained his B.S. in Forestry in 1954. He is currently working toward his M.S. in Wood Technology and his Ph.D. here.

Mr. Rice belongs to FPRS and to the honor fraternities XI Sigma Pi, Alpha Zeta, Sigma Xi, and Lambda Sigma Delta.

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WANANISH, NORTH CAROLINA



In case you have been wondering for many years what the title of this Journal signifies, a "pinetum" is a grove of pine trees.

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BUSINESS OFFICE



Mrs. Rachel Vogler



Mrs. Patricia Thigpen
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Mrs. Eloise Payne
WOOD TECHNOLOGY

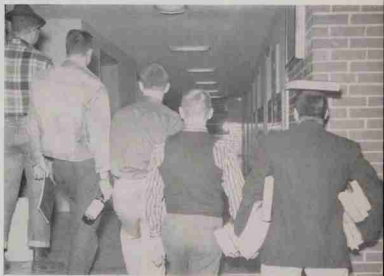


Mrs. Virginia Bunn



Mrs. Faye Henson

GENETICS



Grad

Senior

Junior

Soph

Freshman

STUDENTS



Just takin' it easy



Jim hitting the books



Our first
Forestry coed



Home away from home



Freshmen at Bayleaf



Bruce and his hobby

GRADUATE STUDENTS



Theodore O.
Hilbourn, III
M.S. in For. Mgt.



Paul N. Hinz
M.S. in Wood Tech.



William T.
Huxster, Jr.
M. Wood Tech.



Richard L. Keithley
M.S. in Wood Tech.



William F. Lehmann
M. Wood Tech.



Wesley E. Loos
M.S. in Wood Tech.



Henry G. Lovin
M.S. in For. Mgt.



Robert B. Phelps
M. Wood Tech.



Mahmoud H. Salem
M. Wood Tech.



Earl Ray Sluder
M.S. in For. Mgt.



Michael A. Taras
Ph.D.



Emmett F.
Thompson
M.F.



Marion G. True, Jr.
M.F.



Charles D. Webb
M.S. in For. Mgt.



Garland R. Wells
M.F.

Not pictured:

John P. Churchill
M. Wood Tech.

James F. Goggans
Ph.D.

Robert L. McElwee
M.S.F.

James P. Pastoret
Ph.D.

Randolph B. Polk
Ph.D.

James T. Rice
M.S. in Wood Tech.

Fred W. Taylor
Ph.D.

Joe Yao
Ph.D.

DR. MAKI'S GOING CONCERN

By Bruce Sumner '59

The members of the management lab cautiously approached the strange object in the woods behind the Schenck memorial. It appeared to be a rusty oil drum, about 2/3 buried, open end up. Two planks were fitted over the end, leaving an opening about 6 in. wide. Fragments of weathered building paper were still tacked to the planks. As the group gazed upon the mysterious structure, several individuals made speculative remarks about its purpose. "Looks like a mash barrel," ventured one of the mountain brethren, "but this is a helluva place for a still." The group was silenced by the quiet words of Dr. Maki. "Before you get all shook up, I will tell you that this is a going concern." He then related how it was constructed for the benefit of the guests attending the dedication ceremony. It was at this point that his now famous Richlands Crick Formula was first stated publicly. "The guests were just standing around, eating and drinking for four hours. You gentlemen can appreciate the usefulness of this establishment when you realize that renal activity is inversely proportional to physical activity." He went on to admonish the class to show proper reverence in view of the historic significance of this now static "going concern." As the wind sighed through the pines over the bowed heads of the spellbound seniors, Dr. Maki stepped down from atop the sacred structure and headed for the next plot.

PRIDE OF PROFESSION

The responsibilities of your profession now begin. Approach the future with pride born of knowing that nothing is more important to our expanding economy than sound forestry, guided by forestry technicians.

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CALHOUN, TENNESSEE

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Bowaters Southern Paper
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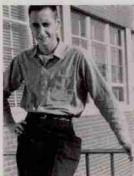


WILSON MCK. ALEXANDER
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Mt. Gilead, N. C.
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Forestry Club—Sgt. at
Arms, (3) Forestry
Club—Pres, (4)

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"Bob"
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Forest Management
Forestry Club; Alpha Phi
Omega



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 ΣN
Fourdrinier Society



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Pulp & Paper Tech.
Foardrinier Society;
Cadet Major, ROTC



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Forest Management
Forestry Club; SAF



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Roanoke Rapids, N. C.
Forest Management
Vets', Club



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Softball (2).



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Forest Management



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Forest Management
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Pi



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Forestry Club



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mural football



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HKA
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Wood Products Mdsing.
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(3); Cross Country (1,
2, 3, 4) (Co-Captain—
4); Baseball (1); Cap-
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Forest Management
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gram Club



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Forestry Club



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Pulp & Paper Tech.
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(4)



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Wood Products Mdsing.;
ΦKT
Alpha Gamma Rho



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Black Mountain, N. C.
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FPRS; Apollo Club



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Anderson, S. C.
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en Chain; Head Cheer-
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Chain; CUSC; IFC;
SAF; Wesley Foundation;
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Student Assoc. — Nat.
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YDC; Intramurals



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Scabbard & Blade; Top
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(4), Prog. Chmn. (3)
Vets' Club; Apollo Club



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AXA
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Frat. Rushing Chmn;
Canterbury Club; Xi
Sigma Pi



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Wood Products Mdsing.
FPRS Treas; Forestry
Club; Intramural sports



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Pi; Phi Eta Sigma



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FarmHouse
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TUM Staff — Business



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Dance Comm. (2); Apollo
Club Chmn. (4); Fill-
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Sec.-Treas.; Blue Key—
Pres.; SAF



RICHARD V. WELCH
"Dick"
Greensboro, N. C.
Forest Management
Forestry Club; PINE-
TUM Staff—Editor (4);



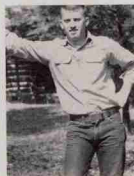
JACOB J. THIGPEN, JR.
"Jny"
Dudley, N. C.
Pulp & Paper Tech.
Fourdrinier Society



DONALD G. WINKLER
"Wink"
Chester, N. J.
Forest Management
Forestry Club



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Oneida, Tenn.
Wood Tech.
FPRS



DAVID V. WOOLF
"Yank"
New York, N. Y.
Wood Products Mdsing.
FPRS; CU Outing Comm.
Xi Sigma Pi; SAF; ROTC
Rifle Team (1); Publi-
cations Board; Fence
Comm.

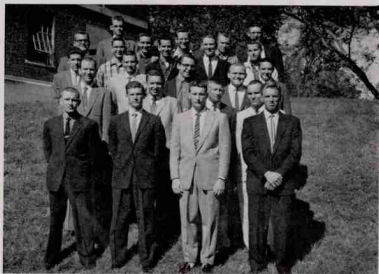


THOMAS WALKER
"Tim"
Clayton, Ohio
Forest Management
SAF; Xi Sigma Pi

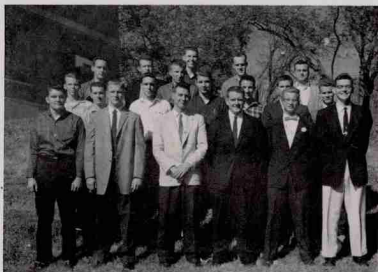


JOHN L. WEST
"Colonel"
Georgetown, S. C.
Pulp & Paper Tech.
Fourdrinier Society; Xi
Sigma Pi

JUNIORS



SOPHOMORES



FRESHMEN



COMPLIMENTS OF

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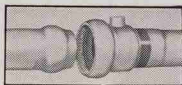
CHARLIE RAY NORTON



It is with deep sorrow that we make known the death of Charlie Ray Norton. "Bo" graduated in Forestry from State in 1957, then did graduate work here in forest pathology. In January 1958 he went to work for the Forest Service as Assistant District Ranger. He was rated at the head of his class by the faculty and was one of the most outstanding men ever to graduate from the School of Forestry. The profession lost a potentially great forester when "Bo" died in an auto accident last June.



Profit Planned Irrigation



Pumps—Sawmill Supplies—Water Hose

Dillon Supply Company

RALEIGH—DURHAM—ROCKY MOUNT—GOLDSBORO—CHARLOTTE

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(also bowling alley, shoe shop, beauty shop,
barber shop, and trading post)

Cook wanted to backfire



Growing in North Carolina

OUR CAROLINA MILL HAS TRIPLED PRODUCTION IN ITS SEVEN
YEARS OF OPERATION.

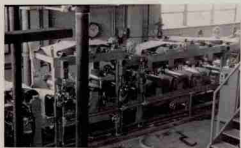
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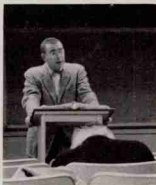


This is a class?

SCHOOL



Pride of Pulp & Paper Tech.



8 o'clock econ



This damn stat!



Maki works, students watch



Hell! Only 80 proof



If it tastes salty, . . .



The wood lab

PROGRESS REPORT FOR 1958—59

By R. J. Preston, Dean

The unexpected tragic death of Professor George K. Slocum overshadows all other events and activities of the school year. All of our more than seven hundred alumni know George as a great teacher and friend, and we know that our alumni feel the loss as deeply as those of us now in Raleigh.

Growth in all three activities of School; teaching, research and extension, resulted in major administrative changes during the year. Two academic departments were set up within the School; the Department of Forest Management with Dr. T. E. Maki as Department Head, and the Department of Wood Products with Dr. J. S. Bethel as Department Head. It is planned to establish a third department of Pulp and Paper within a short time. A parallel change was made in Forestry Extension, the program being formally recognized as a part of the School's program and two sections established under the Extension Forester; the Forest Management Extension Section under W. M. Keller and the Wood Products Extension Section under G. W. Smith.

Enrollment continued its steady growth of the last seven years, as shown in the following table:

	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59
Enrollment at Sept. registration	164	181	203	232	298	303	353
Total enrollment for year	192	197	223	251	351	317	

Percentage wise the School of Forestry is the fastest growing school at State College and only the School of Engineering enrolled more freshmen students this year. It is interesting to note that 112 out-of-state students were enrolled, coming from 24 states and 2 foreign countries.

The strength of a School is measured by its faculty and the addition of two internationally recognized faculty members will add greatly to the prestige and achievements of the School:

Dr. A. J. Stamm, one of the great wood chemists of the world, joins our staff July 1, 1959. Dr. Stamm will teach a year's course in Wood Chemistry and will devote the rest of his efforts to working with graduate students and research.

Dr. T. O. Perry will work with Dr. Zobel in our genetics program and will teach Silvics and related courses. Dr. Perry is currently enrolled on a National Science Foundation Post-Doctoral Fellowship at the California Institute of Technology and will move to Raleigh next January.

Dr. J. S. Bethel, Head of the Department of Wood Products, has been granted a year's leave-of-absence to accept an important post with the National Science Foundation in Washington, D. C. During the present year Dr. Bethel has served with distinction as Acting Dean of the Graduate School.

Our Alumni will be pleased to know that Professor Len Wyman, who retired in 1957, returned this year to help us on a part-time teaching basis.

Contracts have been awarded for the construction of the Wood Products Laboratory building, and we may start moving in equipment this summer. Our genetics greenhouse has been completed and is now in use. We are hopeful that funds will be appropriated this spring for needed equipment and a new general forestry building to complete our present building program. The installation of equipment in the Robertson Laboratory of Pulp and Paper Technology is virtually complete and the small paper machine is attracting wide attention.

With the establishment of the Department of Wood Products extensive changes were made in the course of study with a view of strengthening the work in the basic sciences and giving greater flexibility to accommodate a wide range of training objectives on the part of students. A summer practicum was set up in the summer of the Sophomore year to replace the Camp requirements, and the programs in Wood Technology and Wood Products Merchandising were combined into one degree granting program in Wood Technology with options in Wood Products Manufacturing or Wood Products Economics and Management. A cooperative program of work and study has been worked out with the wood industries so that needy wood technology students can earn most of their college expenses by stretching out their education over a six year period.

Other highlights of the year include:

1. Twenty-three students enrolled as graduate students, six of these being at the Ph.D. level.

2. Over 90 students receiving some type of scholarship or grant.

3. A review of our research program by Dr. E. L. Demmon as an activity of the Southern Regional Education Board.

4. Short courses or conferences in laminated wood, linear programming, genetics and modern farming.

5. Gifts of an additional \$15,000 from Mr. and Mrs. E. F. Conger, Mr. and Mrs. Verne Rhoades and the estate of George W. Merck for the endowed Biltmore Scholarship, bringing the total endowment to \$30,000.

FORESTRY SUPPLIES AND EQUIPMENT

HOWERTON SUPPLY COMPANY

Madison, Florida

FORESTRY CONSULTING—TIMBER MARKETING

It goes without saying—Maki: "I'm a pine man, myself."

THE HOFMANN FOREST REPORT

By J. V. Hofmann, Manager
North Carolina Forestry Foundation

The 1957 PINETUM report on The Hofmann Forest stated that the Senior Class had established Continuous Forest Inventory plots as an experiment to decide what size of plot, and type of records, would best serve for a long term record. During 1958 the decision to use a one-fifth acre plot was made and plots were established over the entire forest by the Halifax Paper Company. The forest was divided into commercial forest area, including 53,290 acres, and the remainder as non-commercial. One hundred and fifty plots were established in the commercial area.

Records for each plot include Forest Type—size classes—age—D.B.H. from 3.6 inches up—number of pulpwood bolts—logs—vigor—soundness—height—density—ground cover—reproduction—past treatment—amount of organic matter in the soil—permeability of soil—site.

All data are recorded on I.B.M. cards. Total volumes are reduced to cord measure using 90 cubic feet as the converting factor.

The summary of the 150 C.F.I. plots gave a total of 393,440 cords, the major portion being in the 6-inch to the 12-inch classes.

As time and conditions permit, additional plots will be established over the forest and the areas classed as non-commercial will be included as the development of the forest reaches these areas. Records of growth along the Deppe Trail during the period of 1951 to 1956 show more than one cord per acre per year in the natural stands. The plantations beside the canal of highway No. 17 produced more than two cords per acre per year.

The average stand on the C.F.I. plots is 7.4 cords per acre over the entire commercial area with a good percentage of ingrowth below the 3.6 inch class. With growth taken at one cord per acre per year the future production of the forest is assured, since the production will increase due to the drainage and development program. The growth must be insured by adequate fire prevention and protection.

All graduates of the School of Forestry at North Carolina State College know that the Hofmann Forest was purchased on a self liquidating basis. The first payment plan was based on periodic payments over a period of 30 years. After four years an agreement, with the parties from whom the forest was purchased, was reached which provided a substantial reduction in the purchase price if cash payment could be made for the entire amount. In order to take advantage of this discount a 20 year serial bond was issued and sold. Payments on the bonds were made annually and interest payments were made semi-annually from 1939 to 1959. The final bond payments were made in December of 1958, including a few bonds that would have been due in 1959.

The plantations of Loblolly and Slash pine on the north side of highway No. 17 were thinned during 1958. Seven to eight cords per acre were taken out, which made a rather light thinning. A second thinning will be required in four or five years.

The development program is progressing very well. Three draglines are operating continuously. New canals and roads are added which makes the forest more accessible and insures better fire protection. Development of Block 10 has begun and will continue through this year. A fire break 10 chains from the Atlantic Coast Line Railroad has been established. The area between the fire break and the railroad will be control burned, which should give complete protection from railroad fires.

Hunters on the Hofmann Forest were well pleased with the game taken during the past hunting season. Deer appear to be returning to, or increasing on, the forest. This fact with the additional roads for accessibility provides better hunting.

Fires have been controlled with very minor losses. Many controlled fires near the boundaries could have been serious, but a well organized and alert fire detection and suppression crew averted these threats to the forest.



LONG RANGE PLAN FOR THE SCHOOL

By Dick Welch '59

One thousand three hundred and eighty Forestry students by 1970? It has taken 30 years for Forestry undergraduate enrollment to grow from 71 to 353. But enrollment projections indicate that in only 11 more years the student body may reach 890 in the three existing curricula. If an enlarged graduate student program, doubled pulp and paper facilities, and two new curricula are added, the predicted enrollment is 1380 students! These increases, which include expansion of graduate, research, and extension programs and possible addition of vocational training curricula, will obviously require a great expansion of all the facilities of the school. A faculty equivalent to 27 men will be needed for teaching alone. How were these needs foreseen, and what plans exist to meet them? In December 1957, the faculty completed a study of future needs and compiled "A Twelve-Year Program of Growth and Development" for the Forestry School, in conjunction with a larger program for the whole college. What follows is a summary of the important and the more interesting points. Parts of the plan are in effect now, as other articles indicate.

CURRICULA

Increased demand for wood and more intensive forest management will require more professional foresters, large numbers of technicians and more emphasis on research. By 1970, an enrollment of 450 undergraduate and 50 graduate students in Forest Management is predicted to help meet this need. The faculty believes that more emphasis on the basic social, natural, and physical sciences is needed in all curricula. A five-year curriculum is suggested as a possibility to accommodate the increased course load for all Forest Management majors, and for superior students in Wood Technology and Pulp and Paper Technology. Possibly summer camp may be transferred to the first summer of the student's schedule, in order to stimulate an early interest in professional work and scientific achievement.

State College is the only institution in the Southeast prepared to make a major contribution toward fulfillment of the rapidly-increasing demand for wood technologists. Enrollment in Wood Technology is expected to be 200 students by 1970, even with stricter entrance requirements. The report recommended re-examination of the Wood Technology curriculum, with more emphasis on the basic sciences. This has been done, and last fall a new alignment of courses was made. (See the article on page 44 about this.) Since the paper industry is the fastest growing industry in the South, and our curriculum is the only approved program in the region for undergraduate training in Pulp and Paper Technology, the report recommends expanding the program as fast as possible. Increased facilities and staff are needed. Present facilities provide for a maximum of 250 students, with 40 graduates per year. In view of the demand for graduates, doubling of this capacity is recommended.

A need is seen for two completely new curricula to fill the needs of the wood-using industries. The first is a Logging Engineering program, com-

bining the facilities and courses in Wood Technology and Forest Management. The second is a Packaging Technology curriculum, including parts of both the Wood Technology and Pulp and Paper programs. If these two curricula are introduced, an additional enrollment of 150 students is expected by 1970.

An honors program is recommended for outstanding students, with scholarships offered to those who participate. These students could substitute courses in their curriculum and possibly take graduate courses to strengthen their background in basic science or to concentrate their work in specific areas. Such a program is just beginning in the Wood Technology Department.

Forest management technicians are needed to release foresters from subprofessional duties which they now handle and allow them time for the increased amount of study, selection, planning, and over-all supervision which more intensive management of forest properties will require. Therefore, a terminal technician training program, a "ranger school", in other words, is recommended when the demand for such men develops. Training in applied forestry would be given largely on the school forests.

Likewise, technicians are badly needed by the lumber, plywood, particle board, veneer, furniture and allied wood industries. To fulfill this need, a vocational school which would give one or two years' training is recommended. It should be located off campus, managed by the College Extension Division, and assisted by the Wood Products staff.

RESEARCH

Forest Management research programs in forest measurements, economics, and forest biology (particularly disease, insects, and wildlife) will be gradually strengthened, in addition to maintenance of present strength in other fields. Four new fields of study should be added in Wood Products Research: market studies; use of pulp, paper and fiber products in packaging; wood chemistry, including the use of radiation and isotope techniques to determine wood properties; and design and analysis of wood products for structural material. In pulping research, an important item in the future will be the pulping of new species of wood and possibly the pulping of fibers which are now agricultural wastes. New pulping processes and bleaching and pulp purification processes will also be investigated extensively. The Robertson Laboratory may also be utilized to find uses for native North Carolina minerals in pulp refining and papermaking, along with research in the problems which naturally develop as the paper industry in the South grows at a rapid rate.

BUILDINGS

If the great scope of these plans is hard to comprehend, and the tremendous predicted future size of the school cannot be visualized, just take a look at the facilities which will be needed 11 years from now or sooner.

Eventually all on-campus units of the School of Forestry will be in a single group on Western Boulevard. The Pulp and Paper building is already there, and the new Wood Products Laboratory is under construction behind it. In addition, a general forestry building, a new research building, and

additions to Robertson Laboratory will more than double the present facilities. A general forestry building is the first need, and a very pressing one. A new building with 55,000 square feet of floor space is planned to replace our over-crowded section of Kilgore Hall. It should include a 1,000-seat auditorium, a greenhouse, a library, and 59 other rooms. A request for funds for this building is now before the Legislature.

Proposed additions to Robertson Laboratory include a second story with 7,000 square feet and a wing with 15,000 square feet. These additions are hopefully intended to house pilot plant equipment including a paper machine 36 to 48 inches wide, plus pulping and other equipment to supplement it.

The research building is the last step in the present building program.

Major construction will be needed at the forestry camps in the near future, to increase capacity, to replace temporary buildings, and to accommodate the possible Ranger School.



Bryant: "Don't be too confident about this. You get a good lawyer and... Well, I shouldn't talk about lawyers like this. I have some very good friends who are lawyers."



DEPARTMENTALIZATION OF THE SCHOOL

By Charlie Selden '60

The School of Forestry was divided into two departments, the Department of Forest Management and the Department of Wood Products, for the school year 1958-1959. This division is another result of the increased growth of the School of Forestry at North Carolina State College.

The parent department of the present School was started in 1929 as the Division of Forestry of the School of Agriculture. As the forestry program grew and the number of students increased, the Division of Forestry was raised to school status as the School of Forestry in 1951.

A further increase in the number of students and a broadening of the scope of the programs in the School of Forestry has brought about this departmentalization. Departmentalization of the School creates a more formal organization which the dean and staff believe will result in more efficient, effective, and internally harmonious operation of the School.

The curriculum in Forest Management and the graduate and research programs in this field became the Department of Forest Management with Dr. T. E. Maki as department head.

The undergraduate curricula in Wood Technology, Wood Products Merchandising and Pulp and Paper Technology along with the research and graduate programs in these fields were united in the Department of Wood Products with Dr. James S. Bethel as department head. Within a few years the program in Pulp and Paper Technology will probably become a separate department.

NEW WOOD TECH CURRICULUM

By Professor Richard J. Thomas

During the past year the Department of Wood Products initiated major changes in the Wood Technology and Wood Products Merchandising programs. The purpose of these changes is to strengthen the program by increasing the requirements in the basic sciences and reducing the amount of vocational type work associated with the advanced courses.

One of the major changes was the dropping of the degree in Wood Products Manufacturing and Merchandising and including this program in the Wood Technology program within which three options are available. The three options available to the student are : (1) Wood Products Manufacturing, (2) Wood Products Economics and Management, and (3) the Honors Program.

Since the first two years of the curriculum are identical, the student need not select an option until the beginning of his junior year. When a student chooses an option, other than the Honors Program, he must select at least four courses from the six elective courses offered within each option. The remaining elective hours are courses selected by the student in consultation with his advisor in order to best fit his particular interests.

Students making exceptional academic records during their freshman and sophomore years may, with the approval of the faculty, elect to follow an Honors Program. These students are required to enroll in the core courses in the Wood Technology curriculum but are otherwise free to utilize their electives to develop individual courses of study designed to meet their needs and satisfy their interests, subject only to the approval of the honors advisor. Special problems and seminars will be arranged to suit their needs.

Another change is the elimination of the summer camp requirements and the substitution of a 10-week practicum program at the Wood Products Laboratory. The program is designed to give the students practical experience in the areas of machining, drying, gluing, and finishing. In addition, time will be devoted to logging and milling, mensuration, and plant inspections. This summer practicum is designed to take the place of the conventional three-hour laboratory periods which formerly accompanied many of the Forestry courses.

The faculty of the Wood Products Department feel that this course of study is not only strong in their basic sciences, but it also provides a great deal of flexibility, allowing the student a large choice of general and technical electives in order to fill his interests and needs. Obviously students completing this course of study will possess a high degree of technical competence and should make worthwhile contributions to the Wood Products field.

In addition to the revision of the curriculum the Wood Products Department has also proposed a cooperative educational program to the wood using industry. This program is designed to permit students to alternate periods of school and work; thus permitting students with inadequate financial resources to obtain a college education. In general the procedure is for an industrial cooperator to set-up a working position for a single

individual to be alternately filled by two members of a cooperative education team. Although this type of cooperative program extends a student's educational career beyond four years, it can be kept substantially below double time if the program is properly organized. The cooperative program in Wood Technology would require approximately six years to complete.

The initial response from the wood using industries has been one of enthusiasm and extreme interest. As a result indications are that about 20 students will be enrolled in this program for the 1959 fall semester.



ROUGH MILL CUT-UP RESEARCH PROJECT

By Professor Richard J. Thomas

For the past year the Wood Products Laboratory has been engaged in a research project with ten furniture companies designed to explore the possibilities of increasing lumber yields in the rough mill cut-up operations. The final objectives of this research project are:

1. Better scheduling of cuttings through the mill.
2. Better decisions as to the grade of lumber to use for a particular group of cuttings.
3. Better operator decisions in cut-up operations.

In order to accomplish the above objectives a detailed investigation is being performed to determine the size of clear and sound cuttings available in each grade of each of several species. At the present time data has been collected on 50,000 board feet of lumber. Since the task of examining this large amount of material on an individual board basis for a variety of cutting sizes would be enormous, it was decided to make use of the IBM high speed computer. Therefore, a program of instructions was written which allows the 650 computer to examine the coded data from each board and calculate the number and the size of the cuttings available. In addition to this, the program also provides for the computation of the number of rips and cross-cuts required to cut the board into the calculated number of cuttings. In effect, the program of instructions enables the computer to duplicate the results of actually cutting the boards into dimensions stock. Since the board is only theoretically cut into dimension stock, it is possible to examine the same board for any number of different cutting sizes. As a result, the expected yield of the individual boards is examined under a variety of conditions. By interpretation of the results so calculated, it will be possible to designate for each board which combination of cuttings will give the maximum yield. From this information an attempt will be made to derive for each board a quality index which will indicate that combination of cutting sizes producing the maximum yield. Since each board can then be utilized so that the highest possible yield is obtained, it will result in a more efficient use of factory grade lumber causing a reduction in the volume of lumber presently required for any given cutting order.

FOREST TREE IMPROVEMENT PROGRAM

By R. L. McElwee, Liaison Geneticist

Since the inception in 1956 under the leadership of Dr. B. J. Zobel, the Forest Tree Improvement Program has increased in scope to the extent that 14 companies located in six southern states are now participating in the program.

The program continues with the three main objectives in view which were established at its inception: Basic research in the inheritance of wood properties; Establishment of seed orchard programs for the cooperating industries; and the training of personnel for work in the field of Forest Genetics.

In the basic research phase, studies are being conducted on the methods of inheritance of specific gravity and cellulose percentage. Several studies have been completed and others are now underway which are aimed at determining tree to tree, stand to stand, and area to area variation in specific gravity throughout the loblolly pine range in the Southeast. Other studies, now underway, will provide similar information on the inheritance of cellulose percentage.

Work with the companies initially entailed the selection of individual trees from the wild populations which showed both external features and internal wood properties which most satisfactorily meet the specifications of the individual companies. Approximately 625 such selections have been made in the six-state area and these selections are being vegetatively propagated in seed orchards where they will be managed to produce the seed for future forestry operations of the various individual companies. Additional selections are being made, and will continue to be made in the future.

In addition to the establishment of seed orchards, work is now underway in evaluating the genetic potential of those selections being put into seed orchards. Progeny tests have been established for this evaluation, and from the progeny tests the genetic value of each selection will be determined. Those selections not up to standards genetically will be eliminated from the seed orchards.

The third phase of the program—training of graduate students—has seen one candidate complete training on the Master's degree level. Currently there are five candidates working toward the Ph.D. and one toward the Master's degree. It is expected that two additional graduate students will begin work in the fall of this year.



About 45,000 trees are lost annually in New York City, a majority of the losses owing to the toxic effect of dogs, which are said to average 70 to 80 daily visits per tree. The attempted remedy in some New Jersey municipalities is a ban ordinance prohibiting the walking of dogs within 2 ft. of the street trees.

from Forestry Abstracts

SCHOLARSHIPS AND AWARDS

By Charlie Selden '60



Included below are the names of eighty-six students in the School of Forestry who have been awarded sums varying from \$1000 to \$50 to aid them in meeting the monetary obligations which they have incurred in attending college during the 1958-1959 school year.

This list indicates the belief that the industries and other groups in this area have in the future of forestry and in the future of the individuals cited. The majority of these awards were created within the last several years. The number of students who have received scholarships or awards has continually increased as the student body has grown. Without these awards many of these students would not have been able to attend college and forestry's future would not be quite as bright.

The Pulp and Paper Foundation awarded the following fifty students scholarships this year.

Irving C. Allen
Lawrence Peter Bauer, Jr.
Jerry N. Beasley
Thomas G. Benfield
Richard J. Bickel
Whit S. Bridgers
William Joseph Burk, III
Cecil N. Carter
Charles D. Carter
Bobby B. Deaton
Thomas H. Eck
Avery D. Fary
Jack M. Frank
Eugene R. Fudala
Jack L. Hawkins

Edward R. Hinson
Thomas Hinson
Charles T. Holloman
Paul R. Jones
Albert R. Kiser, Jr.
Roger D. Lambert
William H. Langley
Stanley S. Luczycki
George H. McEachern
Lacy F. McDuffie
Alan Martin
Barre R. Mitchell
Melvin L. Moody
Paul S. Moody
John L. Moore

Marcus A. Mulkey
Ted A. Owens
William L. Porter
Edmund C. Puckhaber
Paul B. Roberson
Ted Lee Robinson
Gary G. Schultz
Jesse H. Scott
William E. Smith
Milton F. Spain

Wesley E. Sprinkle
Kenneth Steppe
Louis H. Stone, Jr.
James E. Talton, Jr.
Charles A. Tanner
John R. Thompson
John A. Toms
John West
Michael W. Wilkinson
Ronald L. Younger



Below are listed a number of companies and students who were awarded scholarships to study forestry by these companies.

Frank M. Morrison by Continental Can Company
Otis C. Morgan and William A. Schul by Champion Paper and Fibre Co.
Edgar L. Mizell and John E. McClendon by Gaylord Container Corporation

Jacob J. Thigpen by A. E. Staley Mfg. Co.
Jerry H. Fox by Pat Brown Lumber Co.
Junius O. Baker, Jr. by Darlington Veneer Co.



A number of individuals were awarded scholarships or awards by the individual funds which are listed with the student who received the scholarship or award.

Individual Scholarships

High Point Group Talent for Service
James D. McNatt
Harry Lee Carter Scholarship
David L. Bramlett
Biltmore Scholarship
Christopher A. Tabor
Scott Russ Scholarship
James H. Roberds
Talent for Service Hoke County
Edward H. Langston, Jr.

Special Awards Scholarships

Homelite Scholarships

Roy W. Stonecypher—Honor Senior

David L. Bramlett—Honor Junior

Southeastern Division of American Pulp and Paper Mill Superintendents

Association Scholarship

Norman A. Russell

State of Tennessee Awards

Charles D. Carter

Glenn Hampton

Paul S. Moody

James K. Morton

Ernest L. Ross

Howard C. Tibbals

Grants-in-Aid

Clyde M. Gurganus

Herbert W. Scheld

Thomas Walker

Talent for Service

Robert E. Roycroft

Athletics Awards

Wayne W. Edwards

William F. Daughety

William R. Harden

Robert E. McKeithan

Otto D. Tharpe, Jr.

Jack Waters, Jr.



Miscellaneous Awards

Cherokee Historical Assn., Inc.

Jack R. Blankenship

Esso 4-H

Sidney J. Cherry

School Bus Rodeo

John M. Young

N. C. Motor Carriers Assoc.

John M. Young



Xi Sigma Pi recognized outstanding students this year by three awards. Although not money grants, the awards rank high as symbols of achievement. The Xi Sigma Pi article gives details of the presentations to Roger Lambert, Ted Hilbourne, and Wilson Alexander.

**the Practical
Management
and
Production
Journals
of the
Forest Industries**

The LUMBERMAN and The TIMBERMAN

MILLER FREEMAN PUBLICATIONS



Spring activities at Schenck Forest

ACTIVITIES

FORESTRY SCHOOLS MEET



FIRST ANNUAL CONCLAVE

By Stewart Gregg '59

Foresters' brawn, beards, and brains were well demonstrated May 10, 1958 at the First Annual Conclave of Southern Forestry Schools. The University of Georgia School of Forestry sponsored the Conclave which was held at Camp Rock Eagle State Park near Eatonton, Georgia.

More than 150 students representing eight forestry schools from Alabama, Florida, Georgia, Louisiana, Mississippi, North and South Carolina, and Texas participated in the weekend of forestry events.

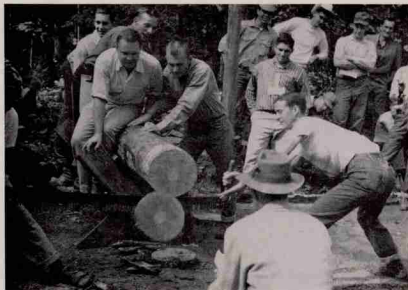
The University of Georgia won first place as Conclave Champions. Louisiana State University was second, Stephen F. Austin was third, and North Carolina State College placed fourth.

Members of our team were Leon Bonner, Phil Glass, Stewart Gregg, Glenn Hampton, Archie Pierce, Roy Stonecypher, Jack Sturgill, Lloyd Swift, and Dick Welch.

One of the main objectives of the meet was to introduce professional practices to the students and to promote fellowship among Southern foresters.

During the business meeting following the Conclave banquet eight students were named to a committee to work out plans for future conclaves. Stewart Gregg and Jack Sturgill represent North Carolina State College.

The 1959 meet will be held in Baton Rouge, Louisiana with the Louisiana State University acting as host.



THE 1958 ROLLEO

By Ed Owens '59

On the morning of October 4, 1958, forestry students rose bright and early to gaze at the threatening, overcast sky. This was the day for the all-new Rolleo. Thoughts of class honor, the barbecue lunch, and the classes that were excused for all who attended overcame the desire to crawl back in the sack, and everyone hit the road to Hill Forest.

This year many of the events were new to the Rolleo. They were patterned after events the First Conclave of Southern Forestry Schools in Georgia last year. This was done to improve the Rolleo by adding events more related to forestry, and to provide experience for and to stimulate interest in the Conclave.

Cross-cut sawing was the first event. The juniors' team, Dick Brake and Bill Carrigan, gave some real competition by sawing the 12-inch log in 30.2 seconds. But the old pros, Wilson Alexander and Dane Roten, made the sawdust fly and cut through in 27.3 seconds for the seniors. The juniors came right back. Steve Briggs, looking like a modern-day Jim Bowie, beat King Morton by a narrow margin for first place in the knife-throwing competition.

The Rolleo was made up of 16 events this year. However, three of these major events were divided into two parts. The juniors and seniors competed in one part, and the sophomores and freshmen competed in the other.



It's even harder than it looks



Robin Hood

The division was to avoid handicapping the freshmen and sophomores in events in which they had no experience.

In the events for juniors and seniors only, the seniors took all three first-place positions. Roy Stonecypher won first place in dendrology. Dick Welch, after wading the river about four times on a difficult compass and pacing course which was more like an obstacle course, added another senior victory. Then, Bruce Sumner set a record that will be hard to beat. Beginning with a one-chain tape that was both thrown and tied, he unrolled the tape, re-rolled it in ten-link sections, threw and re-tied it in 51 seconds!

In the three events in which only the sophomores and freshmen competed, the freshmen were the victors in all three. Jimmy Covington edged out Frank Miller for first place in the bow-shooting competition. Don Hatch amazed everyone with his ability to hit the small 25-inch target from both 33 and 49 feet as he won the bait-casting contest for the freshmen. Then Carlton Baird quickly added more points to the freshmen's total by winning the rifle shoot.

Dr. Miller was kept busy most of the morning conducting the dendrology and DBH estimation events. After spending about an hour calibrating his eyeballs, Roy Stonecypher became a two-time winner for the seniors. Sophomore Tom Eck was second.

The log-rolling contest created the most enthusiasm. With everyone shouting advice, both good and bad depending on what class they were in, seniors Leon Bonner and King Morton rolled the 12-foot log 40 feet and back in 1.3 minutes.



The champs show how it's done



Gregg has at it



Axeman



A close one

Jim Covington beat all competition in the axe-throwing event to win another first place for the freshmen. Senior Stewart Gregg was second, but rebounded to win the bow-sawing event by sawing an 8-inch log in 35.3 seconds. Then Professor Slocum gave a demonstration for the losers on the proper way to use a bow saw. No time was recorded during the demonstration.

When the chips stopped flying from the log-chopping contest that followed, junior Dick Brake was the winner. He required only one minute and thirty-three seconds to cut the 8-inch log.

After the freshman and sophomore were unable to reach the top of a peeled, wet-slick, 20-foot pole, Stewart Gregg went up and came down in 10.0 seconds. Jim McMinn took second place for the juniors.

The next event was not actually scheduled as a competitive event, but nevertheless, it was the only event in which everyone participated. There was a footrace to the chow hall, where both the winners and the losers of the race ate a hearty barbecue lunch.

Volleyball competition began after a brief rest. The seniors won first place, then grunted and groaned their way to another victory in the tug of war.

Jim McMinn, a junior, equaled his performance of last year in the rope-climbing event by climbing to the bridge over the Flat River in 13 1/5 seconds. Jack Sturgil was only 0.8 second behind for the seniors.

The last two events of the day, log-burling and fire-fighting, were particularly interesting. Both were new events, and both involved cold water

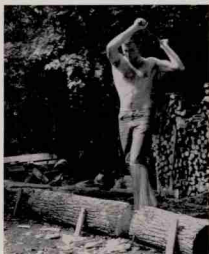


Volleyball

on a cold afternoon. In the log-burling event, even senior Tom Lennon, who seemed to be rooted to the log, was thrown once. Tom won two out of three falls, however, and he won first place.

A gigantic fight against fire finished the competition. Each participant was given a cigar and armed with a watergun. The object was to have the shortest cigar at the end of a 10-minute time period. After ten minutes, much puffing and squirting, and after the participants had turned various shades of green, Dr. Bryant measured the cigars and declared senior Bob Allen the winner.

As the day drew near its end, several of the boys began to sneak toward the woods, but they were quickly brought to bay. These were the Forestry Club initiates, who were denounced as greenhorns and obnoxious creatures, and as perpetrators of some very serious crimes. Some of their most serious offenses were: not being able to give fifteen desirable characteristics of a Virginia pine, calling the faculty a bunch of pine farmers, and saying Percy's pancakes are not as good as the ones Mama used to make. Each was given a fair trial in The Royal Kangaroo Court of Paul Bunyan. Naturally, all were guilty and each initiate was subjected to horrible torture until he repented. After paying for their crimes, those who survived were declared to be members of the Forestry Club. At the next meeting of the club, awards including a pocket knife donated by Ferguson's Hardware, hunting and fishing tackle, and other gear, were presented to the winners of each event. The final Rolleo standings were announced: seniors first, juniors second, freshmen third, and sophomores fourth in the biggest and best Rolleo ever held.



Morgan swings the axe



On your mark! Get set!

THE SEMI-FORMAL DANCE

By Jack Sturgill '59

This year the foresters decided that it was high time to pull off their brogans and get socialized. The Forestry Club members decided that the School of Forestry should have a semi-formal dance in the Spring semester in addition to the annual Logger's Brawl. So a dance committee was appointed, with Robert Mattox as chairman, to look into the possibilities.

The dance committee came up with some good news after the Christmas vacation. It announced that A. E. Finley & Associates had agreed to let the School of Forestry use the Fin-Crest Lodge for the event free of charge. Naturally, the gang was glad to tackle anything which was free, so the committee proceeded with the plans for presenting the dance on Friday night, February 6th.

The crowd began to arrive at Fin-Crest Lodge about eight o'clock after a desperate search for its whereabouts. Two couples, unknown by any forestry student, arrived at the Lodge and proceeded to be at ease. However, their easiness ended when large, economy-size Harold Hannah walked in wearing his Paul Bunyon Beard. I guess they figured it was high time to move out.

Everyone present at the dance was astonished by the generosity of A. E. Finley & Associates. The Lodge was really a high-class place, and much to our surprise, they even furnished a butler for the event.

It seems strange, but it was not until about ten o'clock that everyone got in the dancing mood. Later, after all appeared to need a rest, the band took a coffee break. However, the crowd could not be content with the quietness of the place, so they persuaded Harold Hannah to break out his five-string banjo. It just so happened that Harold was in the right mood and he really had everyone kicking up their heels when he got wound up with "Down Yonder."

The crowd began to disperse about midnight, and for the first time it appeared as if some had imbibed until they had lost their equilibrium. You know the human being reacts strangely to such a physiological situation.



from an old PINETUM:

"The summer of '31 I received the coveted sheepskin. After sending out ninety applications, I was offered a job as 'Laborer, road construction project' on the Ozark National Forest, which I accepted."

See, seniors, things could be worse.



THE ANNUAL STOMP

By Tom Lennon '59

The 1959 Loggers' Brawl was held at Hill Forest on March 21. The event started with couples drifting into camp and wandering about in the woods observing the wonders of nature. The bell, that thing that every summer camp man dreads, was rung and a fine feed of barbecued chicken and pork was dished out in portions to equal any that the loggers of yesteryears ever had. Of course, the loggers' wives and girl friends with their tiny "tummies" consumed smaller portions. All the serving took place under the eyes of the ghosts of two deceased rats hanging above the serving table. It was noticed only after supper that the rats had disintegrated to the point of falling apart. Anyway, who can tell rotten rat from barbecued pork!! Incidentally, the grub was great, which may be attributed to the fact that there were only ten fingers in it, not twelve.

After everyone had gorged themselves, we meandered over to the dance hall where the romping and stomping began. Everyone was in high spirits or had had spirits and was high. Additional color was added when Ted Banner arrived with his fourteen-color shirt that he stole from Percy last summer. Harold "Big 'UM" Hannah, the seniors' top contender for the Bull Award, was maneuvering his number 14's with such grace that he would have put that city slicker, Arthur Murray, to shame. Unfortunately, he lost out because his face was hidden behind a bunch of bushes. That hill billy from Virginia, Jack Sturgill, was seen out thar cutting the purtiest Virginia



Pickin' & Singin'



Belle & Bull

Reel you ever laid your eyeballs on. After a few "short" stretches of romping and stomping, Joe Baker and Don Buzzard, a couple of fellows who could almost carry a tune in a bucket, gave all the loggers and their fillies a purty rendition of an old favorite, "You Are My Sunshine."

When it came time to pick the Belle and the Bull of the Brawl, Dr. Bryant got up and hobbled across the floor like a decrepit old man (he was trying to back up his excuses for not dancing), and announced that this here award was judged on a couple's dress and dancing ability. Well, it seems like the faculty members had hee-hawed around, as the faculty is known to do, and finally Dr. Maki put his foot down and said that the time was running short (all us seniors already knowed this). They finally picked John Scott and his filly as the Bull and Belle, respectively, and everyone figured they had picked the best. It seems that there was a bunch of numbers in this here pot and Jim McMinn let Scott's filly draw out one for a door prize. "Loping" Plowman had the lucky number and he got a jug. The only thing that was the matter with this here jug was that it didn't have no juice in it. After everyone tuckered out around 11:30, we closed up shop and left after the greatest ball in the history of the "Summer Rest Camp."

The Line-Up



Bar-B-Q & Slaw





SPRING PARADISE

By K. O. Summerville '58 & '59

Seniors of 1958 will remember the deluge of rain that fell upon Hofmann Forest those first two days after our arrival for spring camp. It is amazing how much water a swamp—pardon me, pocosin—can hold. There were many frantic steps made in trying to reach the classroom or dining hall from the barracks without getting too wet. Due to the climatic conditions it became difficult to play volley ball out-of-doors. The rain may have stopped the volley ball, but Dr. Bryant with the able assistance of a long-armed student had a job that had to be done.

The next week we set into work on our fire appraisal report. This report was given on an area of the forest that had burned in the spring of 1957. No! the seniors of 1957 did not start it. During the investigation of this area the fact that a pocosin holds a lot of water seemed to be upheld by each investigator. For any information about the snakes of this area just ask "Rollo" Brown or "KO" Summerville. Of course neither of these factors is the reason for conducting the fire appraisal. The fire appraisal was conducted for the purpose of placing an economic value on the timber destroyed by the fire.

On our trips we visited Bladen Lakes State Forest, now the home of Gil Green and family. While at Green Brothers Lumber Company in Elizabethtown we were able to get a first hand observation of their logging operation in a swamp along the Cape Fear River. The USFS Santee Experimental Forest and the West Virginia Pulp and Paper Company's Experimental Forest (Westvaco) proved to be of interest, particularly the work being done with site improvement in loblolly pine. Westvaco has moved into the development of their own seed orchard. International Paper Company's mill in Georgetown was also visited and it was by these people that we were treated to the meal of all meals. Boy what a table—tables—of food.

Seniors of the future, in viewing the great opening remember: there is a lot of nothing that could possibly be something one day.

Upon moving to Hill Forest, the last three weeks of camp, we started our work on a management plan for a part of the the forest. The job called for the use of some of the theory we had been taught in the years past. In undertaking such a program we were confronted with some of the problems and headaches we were to meet as professional foresters.



Words of precaution about Spring Camp from the seniors of 1958 to seniors of the future.

1. Be of able body for the rigors of indoor sports.
2. Take along rubber boots . . . knee boots . . . hip boots . . . waders . . . to confront the excess of water, or just go barefooted!
3. Don't be a long-armed student (sump-hole duty).
4. Don't tangle with the *Smilax*. There are two species down there.
5. Look before you step or leap (snakes).
6. Be kind to the alligator but **DO NOT FEED IT**.
7. Be an accomplished railroad rail or cross-tie walker.
8. Have a complete set of auto mechanics' tools.
9. Don't say, "clearcut and start a chicken farm," for your management plan of Hill Forest.

Words of thanks go to: our stewards, our accomplished bus driver, whoever decorated the front of the bus, the serenaders (*Fraulein* is all they knew and not much of that), somebody for a deck of cards, Charlie Hills for his TV set, and Sawyer and Thorpe for their motorcycle shenanigans.



Bob Allen, on the subject of integrated utilization in the lumber industry:
"I'm from the South and I'm for segregation!"



Student: "Doctor Bryant, when spring camp moves to Hill Forest, can we come home to Raleigh every night?"

Bryant: "Yes, I guess so, if things are that pressing."

SUMMER WORK

A SUMMER JOB IN PULP & PAPER

By Phil Holland '59

"Experience is the best teacher", is an old saying, and probably one of the most truthful. The founders of the Pulp and Paper curriculum at State College had this in mind when they inserted in the curriculum a requirement for a summer experience report to be submitted by every undergraduate in the curriculum. The student spends one summer working in a pulp and paper mill, and during this summer he collects information of the general operation and organization of the mill. At the end of the summer, he compiles this information into a report which he submits to college officials for three credit hours toward graduation.

From June to September of 1958 I worked for the Union Bag-Camp Paper Corporation in Franklin, Virginia. Here I gathered information for my summer experience report by observing and discussing mill organization, and process operations with company personnel. Not only did I gain valuable knowledge of pulping and paper making processes, but money saved from my wages helped considerably in meeting college expenses this year.

The pulp and paper student on the job perhaps learns more in a short period of time than in any other way. This along with the other reasons is why the summer experience report is such an important part in the training of a student pursuing a degree in Pulp and Paper Technology.

A NEW ENGLAND EXPERIENCE

By Dave Scanlon '59

The summer job offered by Mr. Edward C. Childs, owner of the Great Mountain Forest in Norfolk, Connecticut, is invaluable in giving the student forester a working knowledge of forestry in the Northeast. The forest, covering more than 7,000 acres, is stocked mainly with northern hardwoods, white pine, and hemlock. The white pine is encouraged on the areas of intensive management, however, overall the hemlock is by far the predominant species because of its prolific natural regeneration. The student's work consists of cruising, mapping, thinning, logging, pulpwood cutting, timber stand improvement, and forest nursery management.

The student also becomes familiar with the operation of the maple syrup industry which is well-developed in the forest. Although syrup manufacture is over before summer, he helps in sugar bush improvement and in cutting fuel wood for the sap house. As further aid to forestry experience he will assist in experimental work being carried on at the forest. The major experiments now deal with forest fertilization and planting, particularly chestnut varieties and yellow-poplar.

As an added appeal, the student has the opportunity of visiting several important experimental forests in the Northeast. The current work and results of past experiments are thoroughly explained and demonstrated on the forests.

This job is excellent in giving a thorough first hand look at forestry practices in New England, and the student forester may find very interesting the similarities and differences in forestry as practiced in the Northeast and the Southeast.

WATERSHED MANAGEMENT AND RESEARCH

By Chris Tabor

$P = R_o + E + T \pm S$; this formula may appear familiar to many of you, but just as a "refresher", here it is in writing: precipitation equals runoff plus evaporation plus transpiration plus or minus soil moisture and ground water. Now I'm sure that you remember it as the formula that was "thrown at ya" when you were introduced to the fundamentals of watershed management.

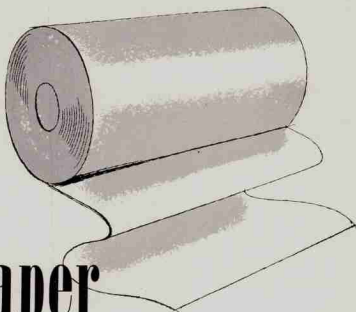
According to an old adage, "experience is the best teacher". Following this advice, I accepted a position as a Student Trainee at the Coweeta Hydrologic Laboratory near Franklin, N. C., to learn of the concepts related to the formula stated above.

"Kaeeta" (Coweeta) is the research center for watershed management studies conducted by the Southeastern Forest Experiment Station. As a Student Trainee with the Southeastern Station, I was placed under an outlined program designed to familiarize me with the work performed in watershed management research and at Coweeta specifically, to help me to gain a more complete understanding of the basic concepts involved in watershed management.

I began work at Coweeta during the summer of '57, following summer camp. During the 5-week period I was assigned to various jobs ranging from "chart changing" on the hydrographs and recording rain gauges and walking the rain gauge trails to collect precipitation data, to the office work of performing computations for the initial analysis of experimental data and making display charts for the Watershed Conference in Atlanta. By performing these and similar duties I became acquainted with the various studies and routine observations performed at Coweeta.

When I returned to Coweeta in the summer of '58 I was assigned to work on one of the subjects which interests me most, the study of soil moisture. During the months that I was employed I worked on studies of the soil moisture regime in several Coweeta soils, comparisons of soil moisture in grass and forest plots through one water year, and initial calibration and sampling work with a nuclear method for determining soil moisture.

While performing the work with soil moisture studies I became familiar with field, laboratory, and office duties involved in performing research. In addition to the responsibilities at Coweeta, I traveled to Bent Creek Experimental Forest, the Piedmont Research Center in Union County, S. C., and to the Athens-Macon Research Center and the University of Georgia Forestry School in Athens, Georgia. These combined experiences as a Student Trainee have served to provide me with a better understanding of watershed management—its basic concepts and their relation to the general study of forest management—and to decide upon a career in research.



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ONCE AGAIN—SUMMER CAMP

By Scott Wallinger '60

They call the place Hill Forest. Actually it's around 1400 acres of dirt supporting a lush growth of Virginia pine and chiggers, although valiant attempts are being made to convert it to a loblolly pine—Poplar park.

The chief inhabitants were very unusual species. Most of the time one found a tall man with a mustache (*Profus slocums*) who was trying to prove that Virginia pine will one day outsell western fir and white pine. His impulsive experiments were kept in check by a rather reserved man in a long-billed cap (*Doctorus millerii*), who managed to keep a watchful eye on all that occurred. The misfortune is that a good percentage of work done by these two diligent natives was counteracted by an opposing species (*Doctorus bryantae*), who was addicted to burning the hell out of the woods as fast as it grew. His work was also counteracted by another occasional native (*Doctorus barefootidae*), who insisted that the Virginia pine trees should be removed and the area replanted to furniture bushes.

This was what we walked into when we hit Hill Forest last June. We were immediately taught how to wear boots, kill chiggers, sharpen axes, identify Virginia pine and cut firewood, not to mention making a new parking area for the abundance of student cars, cleaning up equipment, cutting grass, and doing all the other things foresters must learn to do.

"Well, I'll be gol-danged!" Prof's words the first day were uttered as Dave Bramlett approached in search of bandages to cover the first and only axe wound of the summer. This expression of the camp boss was to be heard many more times, such as when the Mountain Boys brought in their crock



Fraulein!



"Take Five"

of molasses and yeast, when Charlie Selden finally learned to identify *Cornus amomum*, when yours truly's musket reverberated around camp, and when Pete Potter appeared with a fist full of frogs or snakes. The language became somewhat stronger and more profuse all around when Prof was awakened by the same blast that lifted Rives Taylor out of his rack (at midnight). Rives seemed to have a habit of suddenly leaving his bed very shortly after he crawled in; as a matter of fact, it was almost a nightly occurrence.

The weather tried to out-do itself this summer. It rained from supper-time until breakfast almost all the time. It even rained one day—put out Prof's burn following the clear cut. What we all longed for was the occasional hour of lecture. You see, for the past few weeks we'd cleared brush and burned, poisoned hardwoods and Virginia pine, cruised timber, and mapped the forest. These things had all been done in the past, but evidently not very well as we were asked to do it again. But we were happy, because Percy, Vinson, and Hampton kept us extremely well-fed; and if we wanted a between-meal snack, Rose always had something tantalizing at cut-rate prices.

We finally left ole Hill Forest to journey to the peace and quiet of the western hills. There we couldn't find anything but women, sawmills, women, furniture factories, and women. The lake area proved to be a profitable hunting ground for many of the boys; others preferred upstairs porches in

Pyrostrategist



Rest Camp!



town. We soon found out that Banner's bus would return to camp in the evenings at a terrific rate—evidently that boy couldn't wait to get back to Percy's cooking.

All in all, it was great. Some people learned a lot—not necessarily about forestry. But from the burling log in the pond to the music makers in the top of the cabin a good time was had by all. Only one inci-

Weekly Tasks

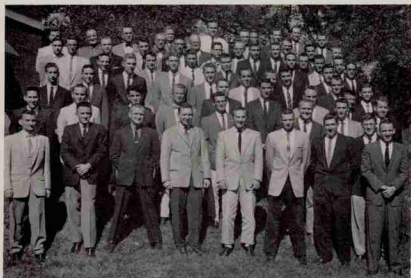


How Many Card- - ?

dent marred the summer for me: that was when I talked with a cute young tourist one day on the parapet at Wayah Bald. She stared with utter amazement at the grizzled crew while I explained what we had been doing during the summer and the things we studied during our four or more years in college. "Four years! Just to sit in a tower?" Oh, well. I guess summer camp will pay off anyway.



*Breathes there a man with soul so dead,
Who never to himself has said,
"To hell with school, I'll stay in bed."*



THE FORESTRY CLUB

By Jim McMinn '59

The preamble to the Forestry Club Constitution reads: "In order that the School of Forestry of North Carolina State College be recognized in any and all school and campus activities, and in order to further the interests of Forestry, the following constitution has been hereby adopted."

The Forestry Club meets each Tuesday night during the regular school year, and the members are entertained by speakers and films dealing with forestry and related fields. Many of the programs are presented by the alumni and staff of the School of Forestry, and serve to inform the students of what they may expect upon obtaining a degree in Forestry. The members of the Forestry Club are on their toes from September to June participating in the projects and activities. Many tired but happy faces were seen as the annual Rolleo drew to a close with the initiation of new members. A semi-formal dance, which was held at Trojan Lake, proved to be a big success, and those who attended the annual Loggers' Brawl had the usual "stompin' good time." Other activities included the re-facing of the poplar cross-section at the entrance door, the participation in the Conclave of Southern Forestry Schools, and the preparation of a C.U. Carnival Night booth by the new members.

A tremendous loss was suffered this year in the death of Professor Slocum, a great teacher and advisor to the Forestry Club since its establishment. The club's biggest project for the spring was the development of the George Kellogg Slocum Memorial area under the capable guidance of the club's new advisor, Dr. Ralph Bryant.



FOREST PRODUCTS RESEARCH SOCIETY

By Pete Jenkins '59, FM & M

President: Pete Jenkins
Vice President: Jesse Russell
Secretary: Jim Reavis
Treasurer: Larry Summer
Advisor: Prof. Roy Carter

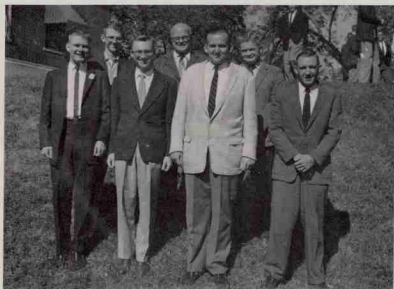
Our FPRS is the only active organized student FPRS organization in the U. S. It has grown during its eight-year life to enjoy an attendance of about 25 per meeting during the '58-'59 school year.

Membership is drawn from the Furniture Manufacturing and Management Curriculum of the School of Engineering and those forestry students in the Wood Utilization curriculum. Enrollment in the Engineering and Forestry curricula are about equal. For this reason each year two of the officers are Furniture students and the other two are Foresters. This year the president and secretary are Furniture students; next year they will be Foresters.

FPRS meetings have two general purposes. The first goal is to provide an opportunity for students to get some practical education through contact with industrial personalities and material. Secondly, we work to create good fellowship among the students. While this article goes to press, plans are being made for a party.

The highlight of this year's activity was a dinner meeting which was the first get-together of the year. The purpose of the meeting was to impress

(Continued on page 72)



THE FOURDRINIER SOCIETY

By Phil Holland '59

The Fourdrinier Society is an organization made up of students in the curriculum of Pulp and Paper Technology. The main objective of the Society is to coordinate ideas and operations of the paper industry into club activities as well as promote interest in the industry throughout the curriculum and the school.

This year numerous movies have been shown during meetings, illustrating various pulp and paper making principles in the United States and in some foreign countries. Noted management personnel representing a number of paper mills in the South have lectured during meetings. Through these lectures interest was stimulated in the industry in general and in the lecturer's own company by discussion of topics such as mill organization, process control, and sales organization.

The Society usually ends the year with a party which *really* sets everyone afire. This event is being anticipated by all members this year.

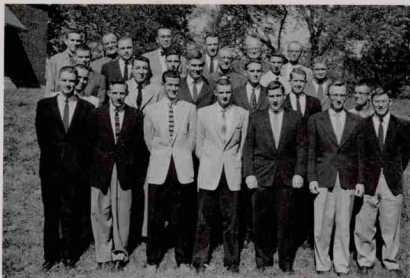
The officers for the 1958-1959 year are:

President—Bill Schul

Vice President—Ted Robinson

Secretary—Phil Holland

Treasurer—John Thompson.



MU CHAPTER, XI SIGMA PI

By Jack Sturgill '59

Xi Sigma Pi, forestry honorary fraternity, was founded at the University of Washington on November 24, 1908. The fraternity today has nineteen chapters located at various accredited schools of forestry throughout the United States. The fraternity aims at stimulating scholarship in forestry and at bringing together in good fellowship those students who have shown exceptional ability.

The members of Mu Chapter, both individually and collectively, encourage forestry activities at the School of Forestry by active participation in the projects of the Forestry Club, and by special chapter projects for encouraging the development of leadership in school activities.

It is the policy of Mu Chapter to honor the freshman in the school of forestry with the highest scholastic average by awarding a cruiser's axe for his accomplishment. Roger DeWitt Lambert, a pulp and paper technology student, was presented the award this year at the Rolleo. Ted Hilbourne's name was added to the plaque in the student lounge of Kilgore Hall for being last year's graduating senior with the highest scholastic average. The announcement of this award was also made at the Rolleo.

Wilson Alexander was presented a meritorious certificate at the January graduation for outstanding work in extracurricular activities in the School of Forestry. Such certificates are presented to graduating seniors who have shown outstanding work in the School of Forestry, but who have not attained membership in Xi Sigma Pi.

Mu Chapter continued last year's project of obtaining yearbooks, journals, and research reports for the Forestry School Library. Approximately one-hundred fifty research reports and publications were obtained from the U. S. Forest Products Laboratory, Madison, Wisconsin. The objective of this project is to build up a collection of technical literature which will serve as a source of reference for outside reading, term papers, and reports.



(Continued from page 69)

upon those present the importance of active membership in technical organizations, both as students and after graduation. Chancellor Bostian introduced L. Y. Ballentine, N. C. Commissioner of Agriculture, as the keynote speaker. Others taking part in the program were Dr. E. S. Harrar, president-elect of the National Forest Products Research Society and Dean of Duke School of Forestry; Mr. Byron Clapp of Boling Chain Company; Dean Lampe of our School of Engineering; Dean Preston of the Forestry School; and Graham Bostick, president of the student Furniture Club. Other members of the faculty and industry were present with a record breaking attendance of members.

The increase in average attendance this year indicates that the program made its point. The value of the educational benefits of active membership in such organizations as the Furniture Club, Forestry Club, and Forest Products Research Society cannot be over-emphasized.



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THE FABLE OF THE SUICIDAL FIRE-FIGHTERS

Sometimes there are both Tragedy and Humor in the brief entries of a Forest Ranger's Diary; as witness the following from that of former District Ranger R. G. Steele of the California Forest:—

"September 14: I took 9 men up to main line at head of fire. I started with 10 men, but No. 147 turned back, went to Brush Camp and cut his Throat; I take it he disliked Fire-Fighting."

John Guthrie, *Fables for Foresters*

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John Gray and his crew

FARM FORESTRY

A EUROPEAN VIEWPOINT

By Jim Andersen

About the author: Jim Andersen graduated from here in 1954, got his Master's at Yale in 1955, has worked for the North Carolina Forestry Extension Division, directed the NCS daily farm TV program for a time, and is now studying in Norway on a Fulbright Scholarship.

By European standards the American forester is a newcomer to the species. Living as he does in a land amply provided with timber, they think he has it good—and by contrast he does. While the age-old problem involving management levels on individual forest ownerships remains unsolved—indeed, often untouched—in the United States, the same problem became critical in European countries many years ago. The big difference between European foresters and our own is that they are actively working toward a solution of the problem while we are still denouncing it.

Experience has taught us that ideas cannot be imported from other countries and used in exactly the same form under our conditions. On the other hand, the examination of successes and failures of others in ventures similar to our own is of unquestionable value, and we have accepted this tenet in forestry to such an extent that practically all of our silvicultural principles can be traced to a European predecessor. But in contrast, next to nothing has been reported on other aspects of forestry—those which involve people rather than techniques—even though other countries have generations of useful experience to offer.

Throughout civilization forest land has been and is owned by people. It is rare to find that these people are also foresters! By virtue of the unhappy fact that foresters seldom own the land they propose to manage, they have been compelled by circumstances all through their history to work first with people and only secondly with forests. Acceptance of this fact of life is quite basic and important to considerations of problems involving individual ownership of forest land, and leads directly to quite a few strange concepts if given sufficient thought. Brief mental exercise in this respect immediately gives rise to such unorthodox questions (at least to foresters) as "What value has technical excellence if it cannot be applied?"—or more to the point, "Of what use is a forester's training if he cannot gain access to forest land?" The answers are obvious. In order to avoid scoring zero, foresters are compelled to convince landowners that they hold the key to forest salvation, regardless of whether the owners—"people"—represent governments and industries or individuals. How they have done this is interesting, and there are almost as many approaches to the problem as there are countries.

In some countries all forest land is controlled directly by the national government, probably as a result of the national character of the people and because of extreme demands upon limited resources. Norway is representative (but by no means typical) of countries which have not eliminated private ownership of forest land. Here, a "small owner problem" very similar to our own developed many years ago. It was met head-on with constructive action and is now relatively well on the way to being eliminated. Norway's answer to the problem was a comprehensive forestry law which eventually will compel a minimum level of management, but which will also provide incentives for management levels above the minimum. Actually the minimum

(Continued on page 81)

OUR EXTENSION FORESTRY PROGRAM

By John Gray, In Charge, Forestry Extension, N. C. State College

Jim Andersen's thought-provoking article (see page 76 of this issue) calls attention to the experience of European countries in stimulating forest development on individual private holdings. His article is a challenging one with special interest for all foresters whose careers require them to take into account the decisions being made from day to day by the major owner of open-market stumpage—the non-industrial, individual private forest owner.

It should be of particular interest to professionals located in North Carolina. North Carolina is a leading "small" private-owner state. It ranks second only to Pennsylvania in number of farm forest ownerships and second only to Georgia in farm woodland acreage. Over three fourths of its commercial forest land is in the hands of its 267,000 non-industrial private individual owners.

North Carolina has been a pioneer state in developing programs to influence and assist individual forest owners to take advantage of their timber-enterprise opportunities. This is particularly true in the Extension forestry field, where at the present time North Carolina has the largest organization of any state in the nation.

Few foresters graduate from college with an understanding of Extension forestry organizations, objectives, activities and accomplishments. In terms of numbers, out of 10,000 professional foresters only about 150 are employed by Land Grant College Extension Services as management, utilization or marketing specialists at the county, district and state level.

Yet, although they sometimes have trouble getting other foresters (and Extension Directors) to agree with them, Extension Foresters have reason to believe that they influence the course of American forestry out of all proportion to their numbers.

Perhaps a brief look at our North Carolina Extension Forestry program will stimulate your thinking and at least get you primed for a good argument on this last point!

Organization—North Carolina's Extension forestry program is set up to reach and help timber growers, timber buyers and processors.

Work with growers is conducted primarily by seven forest management specialists and 319 white county and assistant county agents.

The seven specialists make up the Forest Management Section of our Extension Forestry Department. Six are assigned to individual Extension administrative districts of fifteen to eighteen counties in size. These men are headquartered in each of these districts. The seventh specialist serves as Section head and is headquartered at State College.

These specialists devote one hundred per cent of their work time to raw forest product growing, harvesting and marketing. They provide forestry leadership training, planning and program assistance to our county agents. Most of their program effort is conducted with and through these agents, none of whom is a graduate professional forester. At the present time, our white agents devote an average 3.6 per cent of their total work time to forestry.

Work with buyers and processors was started in 1956. At the present time, this is conducted primarily by two wood products specialists, who work

direct with industry clientele. These two specialists make up the Wood Products Section of our Extension Forestry Department. Both are headquartered at State College. One of them devotes one hundred per cent of his time to forest products marketing and lumber processing, state-wide. The other devotes ninety per cent of his time to Extension activity, serving as Wood Products Section Head and working primarily with the furniture and pulpwood industries. He devotes ten per cent of his time to contact work in research, serving as Research Coordinator for the School of Forestry's Wood Products Laboratory.

In summary, we have ten professional foresters (including the Extension Forestry Department head) serving as subject-matter staff specialists. We have no foresters employed at the county level.

Program Objectives, Activities and Accomplishments—One characteristic of Extension is that program emphasis, both long and short range, is determined largely by the people to be served. Most counties have Boards of Agriculture or similar organizations of local leaders representing major interests concerned with agriculture. These serve as a continuing advisory group to the County Extension Staff. District- and state-level program emphasis is determined largely by the common problems and goals expressed by these county leadership groups.

On this basis, the following are the three state-wide objectives of the Extension Forestry program in North Carolina:

1. *To help assure the people of the state a wood raw material base adequate to meet present and future needs.* This has been accomplished in terms of present needs since we are now enjoying a surplus of growth over drain in all major timber-product categories. It is being accomplished in terms of expanding future needs in part through the marked expansion in tree planting and the conversion of brushland to commercially valuable timber stands. Extension has led the way in training and selling individual private owners on both of these practices. In recent years, Extension workers have placed sixty to seventy per cent of the seedling orders and have had a hand in placing fifty of the sixty-nine tree planting machines now available for landowner use.

In 1955, Extension specialists and county agents began promoting a brushland-conversion program featuring the use of contracted heavy equipment, chemical tree killing and replanting. Extension was instrumental in helping set up Government cost-sharing provisions covering this program and selling contractors on the idea of buying disks and plows and offering custom service.

In 1954, the year before this program was started, farmers asked for and received cost-sharing assistance to improve 594 acres of existing timberland. In 1957, the total was 8,153 acres; and estimates for 1958, indicate that farmers will be improving or converting 10,000 acres of forest land to commercially valuable timber stands.

This first major objective is also being carried out through 4-H Club forestry training. Extension workers are currently giving some forestry training each year to 25,000 4-H Club boys. These boys conduct over 4,000 forestry work projects each year, including in 1957, the planting of one and three-quarter million trees.

2. *To help farm and other private individual forest owners increase forest earnings to \$100,000,000 per year.* We are a long way from this objective, but we are making progress. Since 1949, farm forest earnings have more than doubled and now total \$48,000,000 per year.

Extension's efforts in fulfilling this objective have centered around setting up sixty on-the-ground examples of profitable forest land management in cooperation with individual private landowners. These are used by agents and specialists as training areas to influence other landowners to adopt the needed growing, harvesting and marketing practices required to boost forest income.

In addition, Extension has developed a monthly timber market information release covering prices and demand for raw timber products. This is the most complete forest products marketing information feature prepared by any Extension Service in the country.

3. *To help stabilize and strengthen the competitive position of the state's wood-using industries.* Extension has just recently started a program in this field. Thus far it has featured a combination research-Extension team approach. The major projects have been:
 - a. Redesigning rough mill cutup operations to permit the use of lower grades of lumber by the furniture industry.
 - b. Applying linear programming techniques so as to help smooth out inventory and procurement peaks in the pulpwood industry.
 - c. Providing marketing information on semi-finished and finished products through the "Tarheel Timber Market-Industry Section."
 - d. Publicizing the facilities and program of State College's Wood Products Laboratory with the industry.

Relationships to Other Agencies and Program Groups—In the state's forestry development effort, Extension conducts the general and technical sales phases of the program. Our responsibility to service groups, such as the Agricultural Stabilization and Conservation Agency, the North Carolina Division of Forestry, industry conservation foresters and private consulting foresters, is to see that growers and processors are familiar with what these service groups have to offer and call on them when needed. Our responsibility to research groups, such as the United States Department of Agriculture, the North Carolina State College Agricultural Experiment Station, the North Carolina State College School of Forestry, is to serve as a two-way link between them and the growers and processors of the state. This our specialists do through translating research into practical and understandable form. We then either train our agents to use it with growers or take it direct to industry through special short courses and through individual in-plant contacts.

This will give you a brief idea of what is involved in a relatively large-scale and still growing Extension Forestry program. Its success has been due in large measure to the cooperation and support of many industries, civic groups, other public agencies and individual lay leaders throughout North Carolina. This is the lifeblood of any public program which is designed to bring about changes in attitude and action by a large segment of a population in a reasonable period of time.

Bill Huxster portrays a typical farm forester



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(Continued from page 76)

is sustained yield—something we generally regard as a maximum. Sustained yield will be assured by regulation of cutting and compulsory regeneration. The incentive feature is concerned with increasing per-acre yields in the future. While the law has teeth, they are seldom used. The job is being done by persuasion aided by the owner's enlightened self-interest.

Space prohibits elaboration on Norway's successful program, but some speculation by the reader along the following lines might be of interest. These are both personal observations and summaries of the opinions of many Norwegian foresters.

1. There is a sort of evolution in the development of forestry that seems to apply in all countries. Starting with no management (no timber value) and progressing upward through diameter-limit cutting to tree selection and partial cutting, forestry "evolves" through what might be termed extensive forms of management. Development lags at each stage until certain economic, social or technical conditions have been met, and finally culminates in intensive forest management characterized by investment and cultural operations. If this impression is accurate, a sound basis for formulating programs aimed at improving management levels on individual ownerships can be obtained by isolating the key factors of development—those requirements which must be met before further development can occur, and without which progress is impossible. Just one example may help to nail down this idea. Without the establishment of markets for the products of thinning, development from an economically dictated diameter-limit form of cutting to partial cuttings as we know them today is not possible. And without the attainment of certain minimum price levels, advocacy of investment in cultural operations appears foolish. For a field example illustrating these thoughts, consider the status of "management" on bottomland hardwood areas in eastern North Carolina.

2. As long as land remains in private ownership, all improvements in levels of management must be based upon the owner's views of progress. His hopes and aspirations—not those of foresters—and his economic ability to attain improved levels are the critical factors. Failure to recognize this has been a major stumbling-block for many forestry programs, both in Europe and in the United States, and causes no end of pain for foresters who have been well trained but are uneducated in the complexities of human attitudes.

3. Laws alone cannot solve the "small-owner problem." To be effective, a program should provide financial means for attaining the silvicultural objectives of a management program and enough foresters to do the job. In Norway, the weight of law plus a tax-rebate system of financing cultural operations makes it possible for the forester to look at a woods and use his knowledge without fear of being deemed "impractical." He can recommend what he *knows* is best for both woods and owner, where we are too often compelled to base our recommendations on what we think the owner will find acceptable.

4. Personal contact between forester and owner is recognized by Europeans as the most satisfactory and *only* efficient method of owner education.

And while education is a usual result of personal contact, it is recognized that it is a reversible process and can be negative from either or both directions. It is also recognized that the forester most likely to succeed in educating is sensitive toward, and capable of being educated by, forest owners.

5. Vast amounts of time, effort and money have been devoted to small-owner programs based on the assumption that educational methods, alone, are capable of doing the job. In a long-range sense this may be true, but consider two points: (a) This has never been proven true in any time or in any country in all of recorded history. (b) If the condition of the forest resource has an influence on all the people in the country (in Europe it directly affects standards of living and sets an upper limit beyond which the entire economy cannot progress), do we have time to wait and find out if the assumption is correct—and if the gamble is taken and fails, what status will we have as professional men?

6. Economic demand is a historical forerunner of better levels of forest management, regardless of forestry legislation. With this in mind, consider our present methods of marketing timber. If forest industries can continue to control the prices of raw material artificially—i.e., without regard for the costs of production on the one hand and profits from timber conversion on the other—the outlook for both forests and foresters is not rosy.

7. Success in work with individual owners most often involves “the right man for the job.” In Europe and at home, a glance at forestry history shows the enormous influence of a few men on the people and government. It might well be the role of forestry schools to develop more “right men for the job”—trained men capable of reflection about people and their problems—rather than mere advocates of the “normal forest.”

8. Forestry development is market-oriented. Where there are few, or poor markets, management levels also tend to be poor.

It is comforting to know that some countries have made progress in overcoming their forestry problems on individual ownerships, and that success does not necessarily involve a change in forms of ownership, government or national character. This suggests that instead of hauling out our favorite “forester’s whipping-boy”—the small owner—every time a new set of statistics is published, we should focus our attention differently. First, a look backward every now and then into what other countries or other professions have done with problems similar to our own can be profitable. Second, it would seem that a long inward look would be justified to find out what kinds of people we are that permits us to react vocally, but remain practically inactive, toward meeting one of the greatest professional challenges ever posed for stewards of a natural resource. Third, we should look ahead with confidence borne from the fact that we are trained people—people capable of learning new things—and be prepared to learn the things or develop the ideas and techniques necessary to get on with the job in such a way as is consistent with our national character, resources, and professional well-being.



THE FABLE OF THE JUNE 11TH SURVEY

(Extract from an Old-time Diary of an Old-time Forest Ranger)

Crooked Creek, Arizonie,
August 15, 1906

Field Notes of Survy

Homestead clame of Bud Brown, Bonafido Squater. This Survy was run and plated on a variation of 9 degrez and 75 minits east of Polarus (or some other point i fergit which). Wether looks like rane.

This tract is situawate in an unsurveyd terytory which when surveyd will probably be in Town ship 82 west of Rangeg 3 north of grene witch.

That being no established corner in this vasinety i built a pile of stonetz 4 fet high for a forrist rexervez Monument, from which a miskeete tre bears north 7 degrez and 76 Minits east, a big mal pie rock bears west 27 degrez south.

Thense i run east 20 degrez north 48 chains an set corner no 2 a mal pie rock set in the ground (lots of other rocks around but this one has blubers onit). frum whicht a bald faced Cow with a little calf bears east 22 degrez south and a big steer going the other ways bears west 11 degrez north no other object near.

Here i backsite on Corner No. 1 and find that the variation has changed, so i precede on a Tru Line.

Thense i run north 10 degrez west thru oke brush 21 chains to deep wash (here my dog got after a Mavric bull so i quit the survy and follo my Dog).

August 16, 1906. i start where i quit the survy yesterday and at 45 chains i set corner No 3 whicht is a oke stick set 1 ft in ground, whense a oke bush bears east, and the left hand end of a big cloud bears a little south of strate up, on uther Object near.

Thense I run west 10 degrez south 15 chains or a litle over to a high clif to mark my line, when a white tale Buck jumped out of the oke brush

and i kilt him with my sixshuter, (there i quit the survy and packed the mete to Camp).

August 18, 1906 i resume this line at the foot of the high clif wher my rock lit, i estermate the distince to be a litle under 5 chains to the top so i allow i am now 20 chains frum corner No. 3, thense i run west 10 degrez south 48 chains and set corner No 4 whicht is a oke stik set in a dager wead, whense a smoke frum a Forrist Fier bears west 46 degrez north about 10 miles, no other object near.

Thense i run south 20 degrez east 11 chains an 15 steps to foot of high clif i cant asend, so i shoot a spot on a rock on top to mark my line, i clime the clif at anuther place an resume my Line, i estermate the distance to be about 5 chains a litle back of strate down, so i allow i am now 16 chains and 15 steps frum corner No 4. (here Bud Brown got a blister on his heel and quit chaneing, so) i continue on a tru line 733 yards as i step to corner No 1, whicht ort to be the place of begining, but aint, so i allow theres some thing out of plum and adjust my Cumpas according, and procede about 200 yards to my left and tie into the Corect corner, and the Place of Begining, contaneing 160 acres be the same more or less.

Bill Caltute, Forrist Ranger*

—by James H. Sizer

*This must be the same man who ran the original survey on Hofmann Forest. Ed.

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ALUMNI

ANNUAL MESSAGE TO THE ALUMNI

As your president, through the true democratic processes of a "rigged election," I have already learned one very valuable lesson. To wit: Always attend the S.A.F. meetings, because if you don't, you may be "elected" to some job before you ever know you have been nominated. I failed to attend the last S.A.F. Section meeting in Columbia.

The most important matter that I would like to bring to your attention is that of raising the Alumni dues from the present two dollars to three dollars, starting with the 1959-60 school year. I realize that this business of constantly raising dues and increasing costs is mighty irritating to each of us, but it is an ever present fact that every one of us must live with. The alumni group at Columbia voted unanimously to approve this increase! As you have already been informed, we are establishing a George K. Slocum Work Scholarship as a memorial to that most beloved friend and teacher of every one of us, and the main continuing source of income for this scholarship fund will be the surplus funds left from the Alumni Association dues each year. The Hofmann Loan Fund will have reached its \$2500 goal; so any future surpluses in our association account can be diverted into the Slocum Work Scholarship account. I am sure that this is exactly what each of you would want, and I urge your continued support for your Alumni Association.



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CHAIN SAWS

TREASURER'S REPORT 1957-1958

Income

Cash on hand		\$ 25.00
1 member @ 1.00		1.00
192 members @ 2.00		\$84.00
9 "	3.00	27.00
2 "	4.00	8.00
32 "	5.00	160.00
1 "	6.00	6.00
2 "	7.00	14.00
3 "	10.00	30.00
1 "	15.00	15.00
1 "	20.00	20.00
TOTAL		\$690.00

Expense

1500 stamps @ 3¢	\$ 45.00
Secretarial Help	12.50
Bad check and penalty	3.00
Stamp pad and ink	4.04
Typing Alumni Sec.	20.00
Typing addresses	5.00
Postage, mailing Pinetum	20.00
Mailing envelopes	15.00
244 copies of Pinetum @ 1.25	305.00
Fall postage	60.00
TOTAL	\$489.54

Balance of \$200.50 (200.46) was deposited in the Hofmann Loan Fund, October 28, 1958 as required by the constitution.

To date total deposits and interest of \$2,378.22 are in the Hofmann Loan Fund, including the \$200.50 above. At present there are 15 loans outstanding and the balance in the Loan Fund is \$39.29. Six students have borrowed a total of \$1,000 from the Fund during the last year.

Ralph C. Bryant, Secretary-Treasurer



Maki: "It's misplaced decimal points which used to make boilers blow up and flywheels fly apart, and now cause missiles to explode on their launching pads."

ALUMNI NEWS

1930

GRAEBER, Robert W., Consulting Forester, Gullwake Forests.
HARDING, N. R., Director of Wood Procurement, Georgia Kraft Company.
HOWARD, H. E., Personnel Officer, U. S. Forest Service.

"Our First year in Washington has been an eventful one in many ways. I'm still in Personnel but have been assigned many new functions during the year. It has been interesting and challenging. We're also enjoying apartment living."

MORRIS, D. J., Management Analyst, Internal Audit Unit, U. S. F. S.

"Your report, invitation and stamp reached me today in Denver, Colo. Since leaving North Carolina I've been pretty much on the move, usually stay five to nine weeks in an area. So far they have been the Lake States, California, Alaska, and the Rockies. So far, I've gathered no moss but believe that I've learned a few new things. Spent the first part of this week with "John" Brown, who is Supervisor of the Medicine Bow N. F. at Laramie, Wyoming. Here, he goes by George or "Cagey," and sometimes Kenny. We had old home week catching up on the news of N. C. State's first three classes."

PIERCE, Robert L., Retired.

"Since I have retired I have been doing a little fishing, loafing and etc. My best to you all."

1931

ARTMAN, J. O., Staff Forester, Tennessee Valley Authority.

"Same name, same title, same address, but a year older, I'm getting so old I'm looking forward to retirement. Only 16 more years, and I'll have it made. I got my oldest boy through U. of Tennessee. He's learning to fly jets in the Air Force. The second one is a soph., same school. The youngest is a freshman in high school. This year my wife got tired of keeping house and started to school again. She's working toward a B.S. in education. There'll come a time, I guess, when the whole family will be B.S.'s"

LOUGHEAD, Harvey J., Consulting Forester, Self-Employed.

1932

COOPER, William E., Executive Director, Virginia Forests, Inc.

"You can check off one of the Unknowns that you have listed in the Pinetum—S. G. (Spud) Hile is in the Regional Office of the U. S. Forest Service at Upper Darby, Penna. He spent the night with me on Nov. 18 and part of the next day. Congratulations to the School on its continued growth."

GRUMBINE, A. A., Forest Supervisor, Alabama National Forests, U. S. F. S.

SCHAEFFER, George K., Forester in charge Equipment Development, U. S. F. S.

"Darn near forgot about this. Was cleaning up all my paper work preparatory to getting away on a detail to Washington and luckily found it."

TILLMAN, P. W., Asst. State Forester, N. C. Dept. of Cons. & Devel.

1933

BLAKENEY, J. C., President, Display Fixtures Co., Inc.

HAFFER, A. B., Consulting Forester.

SEITZ, R. J., Work Unit Conservationist, U. S. Soil Conservation Service.

"Every time I go to Raleigh, I intend to take time to look over the wonderful Forestry plant you folks have organized at State College. have not been through the new buildings as yet. The first possible chance I have I want to be shown around. I attended the Field Day held at the Ralph Edwards Nursery near Morganton several weeks ago and saw many of the old boys. Even Dr. Korstian was there and I haven't talked with him in years. Enclosed are my 2 bucks, sorry I can't make it more. Even this will put off getting shoes for the chaps a little while longer."

1934

BARKER, W. J., Leader, Forestry Extension Work, Clemson College.

CHATFIELD, E. E., Mgt. Supervisor, Masonite Corp.

CORPENING, B. H., District Forester, N. C. Dept. of Con. & Dev.

HUBE, F. H., Asst. Chief Forester, Masonite Corporation.

LEDBETTER, F. H., District Forester, N. C. Dept. of Con. & Dev.

PROUT, CARROW T., JR., Woodland Conservationist, U. S. D. A.

SMITH, Walton R., Chief, Forest Utilization Research, U. S. F. S.

"Corpening and I are trying to organize a 25th reunion of our class sometime this spring, probably at some back woods cabin near Asheville, where we can meditate on nature!"

BISHOP, Harold F., Consulting Forester, Bishop Bros.

FINDLAY, John D., Chief, Branch of Management & Enforcement, U. S. Fish and Wildlife Service.

GARDINER, Thomas B., Chief, Classification & Organization Branch, U. S. D. A.

"Nothing—Older I get, less I have to say. Maybe I'm learning."

JACKSON, G. E., Consulting Forester.

"A lot of water has gone over the mill since the last Pinetum. Last February the pneumonia caught up with me and it took more than four months to shake it off and get back into circulation. Nancy Lee was married on August 16, 1958. She is continuing her work at WCUNC and will graduate in June 1959. Her husband is a senior at Guilford College. In January 1958, I was elected president of the N. C. Forestry Association and my duties have kept me in contact with many of the State College forestry grads as well as the forestry problems in N. C. Margaret is in junior high school here in Washington. Our youngsons do grow up fast!"

ROBERTS, Edward G., Prof. of Forestry, Mississippi State University.

"You must think I am a stinker—never sending you money, but consider, Miss. State is far poorer than N. C. State so I must use my pennies here. Hube and Chatfield were here a short time ago when we were hosts to the Southern Hardwood Forestry Group. I see Hube perhaps once a year, but it was the first time I had seen Chatfield—I think (the fact of the matter is I didn't recognize him—he has aged—of course I have not.) Our boy Tom Price had many kind things to say about N. C. State. May we send you another one like him? Cliff Comfort is Ranger on the Biloxi Unit. Felix Czabator is with the Southern Station."

STINGLEY, J. M., Consulting Forester.

WRIGHT, Harry R., Forester—GS-12, Texas National Forests, U. S. F. S.

"Well, here I am in the great State of Texas. Was transferred here on Sept. 22 from Blairsville, Ga., as a Resource Mgt. Assistant on Supervisor's staff. My son, Anthony, age 16, entered Ga. Tech. this fall to study aeronautical engineering. I couldn't persuade him to go to State which would have made me very happy. My Wife and other 2 boys are now in Lufkin and we are planning to buy a house. This is really pine country—mostly loblolly."

1936

AIKEN, W. C., Woodland Conservationist, S.C.S. U.S.D.A.

"Looks as if the old school will amount to something yet. After 22 years I guess I would not recognize it. Hope the school grows in facilities as fast as in students. I'll have a boy ready to go in about a year. He's too smart to be a Forester, however, he wants to be a chemical engineer."

HUDSON, S. K., Manager, Timber Operations, Container Corp. of America.

NEASE, Allen D., Consulting Forester and Pulpwood Dealer.

"Hope every one is prosperous."

VASS, John S., Missionary, Board of World Missions.

"I have not heard from you for the past several years as you have been sending my mail to Decatur, Ga. and it was not forwarded to me in the Belgian Congo. Helen and I and our three children arrived in the States (landed at New Orleans, La.) on July 22nd, and we expect to be here in Chattanooga until next June. It is really nice to be home again following a four year term in the Congo. If all goes well, I am planning to visit the School sometime next year. I shall try and make it around Commencement time, if possible. I have not seen any of the 'boys' since we returned, but I hope to see a few after the first of January when I shall be traveling quite a bit."

WELSH, Landis H., Industrial Sales Rep., Dillard Paper Co.

"After 22 years I saw Prof. Wyman on the street here in Wilmington. Don't believe he recognized me at first. He was visiting at Carolina Beach. We operate a division in Raleigh, so will probably see you all in the future."

1937

DAVIS, Paul L., Manager, The L. N. Davis, Co.

GASH, Dan, District Supervisor, International Paper Co.

GERLOCK, Amil J., Real Estate Broker.

"Time really flies—3 children have moved up to 2 teenagers—1 adult. Oldest now a senior at University of Georgia."

HOWERTON, T. M., JR., Consulting Forester.

"Gratifying to know of progress State is making, especially in School of Forestry."

MATHEWSON, Clark, Mgr., Wood Procurement, St. Marys Kraft Corp.

"Nothing new—except I have an N. C. Man working with me—Carl Sewall. He is my area Forester in Moultrie, Ga."

TROXLER, Lloyd W., Owner-Operator, Farm Machinery.

"Nothing new to report. Still have a wife, 2 boys. Still think of you folks at the college a lot. Real proud of our football team for beating Carolina."

WHEELER, W. H., Land and Timber Agent, Carolina Power & Light Co.

1938

CAMPBELL, James S., Owner-Manager, Campbell's Nursery.

DIXON, D. C., Owner, Dixon Sales Company.

EAKER, Roy C., Farmers Home Advance, U. S. D. A.

"It seems that the school is growing. Future plans sound good. I have 3 potential foresters now. With interest in woodland like it is now, I'm sure there are plenty of openings."

HENRY, Milton, Mgr. & Owner Pulpwood Producers Co.

"As you see from the above, I am now in business for myself. Will let you know how I'm doing next year."

HUBBARD, James B., Administrative Forester, N. C. F. S.

HUFF, J. L., Forester, Halifax Paper Co., Supt. of Hofmann Forest.

MARSHBURN, Walter J., Jr., Forestry Consultant, Sandhill Forestry Co.

NELSON, Robert, M., Executive Officer, U. S. Navy.

"I've never been back to Raleigh since '38. H. W. Lull and I received an M. F. at Yale in '39 and I've been in the Navy as a pilot ever since and expect to remain until retirement which may come in a year or two. Have a 16 year old daughter and four boys."

WATTS, N. B., Director of Student Housing, N. C. State College.

"Had planned to attend Rolle this year, but had a conflict and couldn't make it. This year has been a busy year as usual."

1939

BEASLEY, W. L., Jr., Owner, Beasley Lumber Products.

"1959 will make 20 year anniversary for Class of 1939—hope we'll have a reunion."

FRYE, H. T., Jr., President, Athens Red Co., Inc.

"We now have a new N. C. State man in our company—Basil Timbyfill Class of 1958."

HUGHES, D. Perry, Owner, Hughes Market.

JOLLY, Ted M., District Forester, West Virginia Pulp & Paper Co.

"Charles C. Hills, 1958, is now working in our district pushing a paint gun."

PAGE, Cole L., Consulting Forester.

"I'm still at the grind stone. Business is good. Glad to hear that 'State' is still progressing. Will try to have a photo to send next year."

SLOCUM, Robert W., District Forester, Virginia Division of Forestry.

"Guess late is better than not at all, but couldn't prove it. Business is about the same as ever at this end, and as of now, the family is fine."

WALKER, E. M., Area Forest Supt., International Paper Co.

1940

BRAKE, Ralph W., Lt. Col., U. S. Army.

"I expect to leave here (Ft. Hood) in January '59 for 16 weeks school at Ft. Leavenworth and will then go to Korea for a 13 months tour. Arrived here at Ft. Hood in January '58 after a 38 months tour in Germany. I had the good fortune to receive Command of a battalion on arrival and sure wish that I could stay longer with it. The battalion has a fine record in training, administration and maintenance—one of the best of the Division. I certainly appreciate all the info in your nice news letter. Hope to have an opportunity to see the old campus again after my tour in Korea. Will park the family in San Antonio, Texas for the next year and a half or so."

GIBBONS, W. E., Area Forest Supt., International Paper Co.

"Have charge of all Gulf Region Woodlands operations in North Alabama and Northeast Mississippi. Moved twice since I last wrote. Just moved to Tuscaloosa from Jasper, Alabama where I was doing the same thing. Office now more centrally located."

HARLEY, Ben R., Forester, Turnell & Morgan Pulpwood Dealers.

LEE, Ralph K., Forest Appraiser, Equitable Life Assurance Society.

"No news and less pictures. Best regards."

MATSON, Matthew A., Jr., Self-Employed.

"Still in the greenhouse business."

NIGRO, John F., Soil Conservationist, U. S. D. A.

1941

CHAMBLEE, Graham V., Forest Supervisor, B. L. S. F.

"Eating, sleeping, working, fishing, boating, swimming,—with life just beginning at 40."

CROMARTIE, Peter McK., West Lumber & Box Co.

HUFF, Richard E., Manager, Timber Loans, Equitable Life Assurance Society.

MELVER, John E., District Supervisor, International Paper Co.

"Still with the same outfit and same job."

SPIKER, Ted F., Lt. Col., U.S.M.C.

"Ted is in the hospital on Okinawa at present with a broken bone in his foot. He should be out soon. I'm sending this in for him, as mail takes awhile to get out there and back." Hope with luck he will be home soon, and appreciate your taking time to let us hear from you.

WIGGINS, John E., Jr., Forestry, N. C. Soil Con. Service, U. S. D. A.

"I am still at the same stand. My work keeps me travelling a lot; however, I find it very interesting with a varied array of problems. I hope that the Legislature sees fit to approve the funds for a new general forestry building. The need for the new building is certainly one of the best indications of the growth and expansion of the School of Forestry and its importance to the State of North Carolina."

WILSON, S. Leigh, Consulting Forester.

1942

- DOUGLASS, Ross S., Forestry Extension Specialist, Ag. Ext., State College.
 "Everything about the same here. Sure sorry to hear about Prof. Slocum. The school will not be the same without him. We'll miss him very much."
- HOFMANN, Julian G., Forester, Halfax Paper Co.
 "Everything about the same. Just a year older and tired. The energy of our four space adepts makes me shudder. Hello to everyone and come see us."
- KATZ, Hyman, S., Partner, Middletown Paper Products.
- LEYSATH, Elwin F., County Forester, Dept. of Forests & Parks, State of Vermont.
 "I guess I was one of those who failed miserably last year. If I don't send this back right off, I'll forget it sure. I guess I didn't have the 2 bucks—so I put it aside and forget it. No news from this end. No additions to the family. I haven't been South lately, but sometime when I go I hope to circle around by Raleigh and drop in. I trust I'll be welcomed."
- PRUITT, Austin A., Area Forester, The Champion Paper & Fibre Co.
 "The old school seems to be really getting up in the world. Don't guess I'd know what the place looks like now. We're just doing the same old job plus a few more things. We opened up a mechanical wood yard in Elberton this year and are moving quite a bit of hardwood and pulpwood in preparation toward cleaning up and planting our bottomland in pine. Ed Lane is having a big time with two beagle pups and it looks like the Georgia rabbits are going to catch it this fall."

1943

- ETHERIDGE, James N., Pulpwood Dealer, N. C. Pulpwood Co.
 "Enjoyed the Alumni letter and am glad to learn about the interesting plans for the future. Enclosed is a snapshot of my family; they are growing faster than a good stand of loblolly pine."
- MARTIN, J. D., Forester, Flack-Jones Lumber Co., Inc.
- SHOUB, Joseph L., District Supervisor, International Paper Co.
- WILLIAMS, John F., Forestry Consultant.

1944

- HOLCOMBE, Robert A., Chief, Product Dev. Section, Timber Eng. Co.
 "Been like old home week lately. Discovered that Fred Hartman lives less than $\frac{1}{2}$ mile from me, as well as about 25 other N. C. State grads. Found out through collecting contributions for N.C.S. Alumni Fund. Saw Dick Mahone in Williamsburg not long ago. He is as healthy as ever, although not in the same condition as when a member of the 'fearless five.' Also saw J. C. Jones and George Smith when they toured our laboratory recently. Talked to Doug Parramore who is now back with the navy in D. C. after sea duty for 3 years."

1947

- BARTON, William J., Asst. Forest Supervisor, Union Bag-Camp Paper Corp.
- HARDEE, Jay H., Technical Director Guatemalan Forestry School.
 "We have our Ranger School established and have finished first semester and tropical summer camp—you think it gets hot in Durham Co.!"
- HOUSE, Douglas T., Pulpwood Dealer-Owner.
 "Everybody is well and happy here. Sure would enjoy seeing more of the boys of '47."

1948

- BLACKSTOCK, Clarence E., Jr., Student, Duke University.
 "I have been working on a Masters in Forest Economics since January '58. I hope to be through by the time this is in print."
- BOYETTE, R. C., Forester, Emon Gray Lumber Co.
 "No comments!" (Whitey was in Oct. 1 for a short visit. He did comment then, however.)
- DAYVAULT, Nevin E., Major, U. S. Marine Corps.
 "It has been a long time since I've seen or heard from school. It has been even longer since I've been to Raleigh. In fact, I've only spent nine months of the last five years on the east coast. Give my regards to any of the few who might remember me."
- FRANKLIN, B. D., Research Assistant, Texas Transportation Institute.
 "At present, I teach Strength of Materials $\frac{1}{2}$ time, research $\frac{1}{4}$ time and carry $\frac{1}{4}$ full student load—grads. This is, by inspection, $\frac{1}{2} + \frac{1}{2} + \frac{1}{4} = 1\frac{1}{4}$ time. Our six month old daughter, Mary Katherine, and my wife, Eloise, demand at least $\frac{3}{4}$ or full time. To write: Double-time ($1\frac{1}{2} + \frac{3}{4}$) is difficult to maintain. Do you realize—ad infinitum!"
- ICARD, Thomas F., Attorney At Law, Own Firm.
- SELTZER, Edward N., Cabarras County Forester.
- SOLOW, Robert L., General Manager, Allegheny Lumber Company.
 "Our daughter, Cindy Ellen, was born July 18th, 1958. We have two boys, Ricky, 7, and Gary, 4. Both are future potentials for State's football and basketball teams . . . Bob is still with Allegheny Lumber and Plywood as General Manager and enjoys his work very much." Mrs. S.
- ZUCKERMAN Bert M., Associate Professor, University of Massachusetts.
 "Hope to get down to N. C. State before long to view your Nematology section—plans are in the making to start a course in this field at our school."

ALTMAN, James A., Forest Engineer, American Pulpwood Association.

ALVIS, R. J., Soil Scientist, U.S.F.S.

CRAFT, Archie C., Forester, Timber Buyer, W. Va. Pulp & Paper Co.

"Acie Edwards, Class of '50, is down here in Mullins with the company. He says he sends his regards, but 'to heck' with the three bucks."

HARPER, J. P., Area Supt., International Paper Co.

"Even with winter coming and eight little feet to shod, you sound like you need the \$2.00 more than we do, so find herein! Usually get "Jones" to handle this, but thought I'd let you hear from me, as you see him pretty often." Mrs. J. P. Harper.

HASELL, T. M., Jr., Dist. Supervisor, Cape Fear Dist., International Paper Co.

JOHNSTON, J. Fred, Chief Forester, Atlantic Coast Line R.R. Co.

"Am still working on re-locating wood using Industries to Coast Line territory. Have learned much about slash pine recently in Ga. and Fla., also a little about turpentine, etc. We have had a few nice timber sales off ACL lands recently and hope to have more as time permits, along with the sale of some of our surplus lands. Drop in when in Wilmington."

JONES, Wade T., Production Supt., Southern Plywoods, Inc.

"Late, yes. But hope not too late. Dr. Kaufman was by here not too long ago. Still hasn't developed any seedlings on top of his head. Oh yes, our third child, Mary Elizabeth, arrived last June 24."

LONG, Sam H., Assistant District Forester, Catawba Timber Co.

"We are back in North Carolina after nine years of Tennessee and Alabama. We are happily located in Newton with Catawba Timber Co., a subsidiary of Bowater Carolina Corp. I have seen several former classmates and hope to get over to see you and the school before too long." (Early November he was in.)

NONEMAN, Robert L., General Manager, Rome Charcoal Corp.

PARHAM, Walter R., General Manager,

"Sorry the Rollee slipped up on us. We had planned a bus load, but did not have ample advance notice."

WEST, Paul M., Right of Way Engineer, N. C. State Highway Commission.

"Thanks for the letter. Give our regards to all of the old folks."

WHITFIELD, Fred E., Student, Syracuse University.

WYNNE, O. Tom, Conservation Forester, Champion Paper & Fibre Co.

"Am still here at Clemson getting along fine with Champion. Have a couple of boys that I hope will grow up with enough sense not to be foresters. The progress at State Forestry School is most encouraging."

YANCEY, T. E., District Fire Chief, Va. Division of Forestry.

"Sorry I didn't get to see you when I was down there in August. It seems we both picked the same time for a vacation. I needed you to take me through the new quarters. By myself it was like running a cruise line in the Hoffman Forest with Mustain and Stanton."

1950

BOYETTE, Robert E., Asst. Area Mgr., Riegel Paper Corp.

CAVANAUGH, Martyn J., District Forester, Champion Paper & Fibre Co.

DEE, James J., Commercial Pilot, American Airlines, Inc.

EVANS, Joe T., Forester, The Mead Corporation.

"I hope to get to Raleigh some time and have enough time for a tour of the school. It seems to be a rather complex lay-out now as compared to the simple arrangement of Ricks Hall just a few years back."

FURR, Curt, Construction Engineer, West Coast Telephone Co.

"I still have the dance band and we are currently appearing at the NCO Club, Paine Field, Everett on Fridays and Sundays. Saturday nights we are at the Silver Lake Ballroom just south of town here. Other times we appear with some of the acts that come through, play a few TV shows now and then. We play most of the Fairs and Rodeos in this state. Our first four records on the Aqua label were not too successful, but our latest release on the Crystal label looks like a winner. I may go into this type of thing full time. It is much more lucrative than either Telephone or Forestry. My family is doing great and trying to eat me out of everything I make. Just had another addition, a girl name of Jawa Claire. Polly Anne is almost 4 years old now, and looks like a promising entertainer. Barbara is getting along fine and helps me a great deal in my business. The expansion program you mentioned sounds very interesting. I probably won't even know the place when I see it again. I have lost track of nearly everyone in the class of '50. I do hear from Finison and Sharp now and then."

GLUNT, T. E., Deputy Forester, Shasta Forests Co.

GREEN, H. J., Pest Control Forester, N. C. Div. of Forestry.

HARE, R. J., Area Manager, Halifax Paper Co.

LAMPE, John G., Production Engineer, Poinsett Lumber and Mfg. Co.

MOORE, M. S., Willis Hines Lumber Co.

OVERBY, R. C., Area Manager, Halifax Paper Co., Inc.

"All's well here."

PADGETT, James R., District Ranger, U.S.F.S.

"You better start a course in Forest Recreation for the prospective U. S. Forest Service employees. We can hardly see the trees for the tourists any more. Also you need a course on how to build a cheap 'outhouse' which looks expensive and 'blends in with the woods.'"

PASCHAL, William J., Partner, Paschal Lumber Co.

PHELPS, William Robert, Plant Pathologist, United Fruit Company.

"Enclosed is my contribution for various and sundry purposes. A lot of things are happening around here. I get my Ph.D. next week and then off to Central America for several years. I got married, finally, in August to a nice little red blooded all American Wisconsin girl. Nothing else has happened of any interest. I will try to get to Raleigh before shipping out of New York the end of this month. However, time goes by just too fast. Give my regards to everyone."

PIERCE, William L., District Fire Chief, Virginia Division of Forestry.

"We had an addition to the family March 12. It was a boy and maybe a future forester."

PRICE, Dock H., Forester, Canal Wood Corp.

RHYNE, Thomas S., Jr., District Forester, N.C.F.S.

SMITH, Herbert H., Capt., U. S. Army.

"Big" Smith came by the last of Sept. He is still in the Army and is on his way to Iran. My door was just big enough to let him in! Only had a minute to visit as a class was calling, but really enjoyed the moment.)

WHITT, Thomas W., Area Forester, Continental Can Company, Inc.

WILLIAMS, William H., Unit Forester, International Paper Co.

WILKINSON, James M., District Forester, Masonite Corp.

1951

COUSINS, Charles, Production Manager, Lea Lumber Co., Inc.

"It's good to be back in N. C. I hate that I missed the Rolles. Did many of our class make it? Some of them were planning to be there. Hope to see you soon."

ETCHISON, Philip B., Assistant Ranger, Siuslaw National Forest, U.S.F.S.

"I've transferred from District Engineer at Hebo, Oregon, to Assistant Ranger at Mapleton, Oregon. This is interesting country. We should cut about 90-95 million on this district this year. I think that some student would find a profitable summer job here. Lots of slash burning during the summer. Would be nice to see some N. C. State men around. We seem to get Foresters from all over the Northeast, but it's been quite a while since I've seen any from N.C.S."

MASTEN, James C., Manager, Acme Wood Corp.

"It is good to hear from you, as always, and learn of the continued progress of our dear old Alma Mater. All of us can be justly proud of our fine Forestry School, as well as the 'hired hands' who force higher (?) education down us 'ignurrt' soles. 'Carolina Bell' has us pushing pulpwood procurement all the more and the wet weather makes things additionally interesting—as usual. I think we are going to open a 'mud-barge' line directly to the Riegel Mill."

MEACHAM, Frank, Area Forester, Halifax Paper Co.

MILLER, Joe H., District Sales Manager, Reichhold Chemicals, Inc.

MITCHELL, Wilton P., Pulpwood Dealer, Self-Employed.

KEID, James R., Jr., Prospecting Engineer, Superior Stone Co.

"Still in the crushed stone business and like it fine. Spend at least half of my time in the woods looking for road building material. We hope to plant about 100 acres of Loblolly and Slash Pine on company land this year. Have also acquired a son as of last March."

RENFRO, James F., Forester, Container Corporation of America.

"I'm still in Brevton with Container. My wife and I are finally building a home here, as the job, the hunting, and the timber is just too good to leave. I still miss those mountains of U.N.C., but the flatwoods are looking better to me all of the time."

ROWE, A. F., Jr., Asst. Cashier, First National Bank.

SCHOLTES, William E., Field Representative, Halifax Paper Co., Inc.

SHILLING, R. E., Unit Forester, International Paper Co.

SKAARUP, Allen F., Construction Engineer, Western Electric Co.

"Regards to all!"

STECHER, Donald A., Plant Supt., Randolph Furniture Co.

"Thanks for your very newswy letter. N. C. State should be very proud of their School of Forestry. Congratulations to Drs. Maki and Bethel. We are quite busy at home here with a family of five—Sandy 10, Terry 8, Mary 4, Mike 2, and Tommy 6 mos. Your barbecue lunch at Rolles sure makes a guy feel homesick. Sure wish we could get some good barbecue around here."

WILLOUGHBY, Cecil C., Forester, Coastal Lumber Co.

1952

BENNETT, Joseph W., Asst. District Forester, Hiwassee Land Co.

CROOK, James D., Jr., Equipment Development Specialist.

"Still single, still broke, still happy, and see no reason for any of those circumstances to be altered soon. Keep making all that progress over there! It's wonderful!"

GRESHAM, Homer H., Forester, St. Regis Paper Co.

HINSHAW, Joe S., District Forester, N. C. Div. of Forestry.

"I'm a year behind on this report, but am still on the same job, in the same place, with the same family—a son about 4 and Gaye of course—but I am now in my own house. This is on a 4½ acre 'farm' consisting only of tree plantations and a garden. I must be getting old! I don't do much fishing now days."

HUGHES, Samuel M., Assistant Area Manager, Riegel Paper Corp.

"Too late to classify probably, but allow my good wishes for the continued growth of the School. Don't see much of the '52 boys any more. John Leroy was by one day, but I was lost in the swamp and missed him. Family is fine and hasn't increased since '57."

JACKSON, Clyde A., Jr., Mebane Lumber Co., Inc.
JACKSON, John V., Jr., District Fire Chief, Va. Division of Forestry.
LANE, Carl L., Forest Manager, State Hospital at Butner.
LEWIS, Steven E., Farm Management Forester, Wash. State Dept.

"I work for the Washington State Department of Natural Resources. My work is primarily concerned with management on private woodlands. My work is the same as farm forestry, but we have so few farmers out here. The tremendous timber volumes per acre threw me for a while. Out here the timber is really something to write home about. I sure miss old N.C. As the saying goes, you can take the boys out of the South, but you can't take the South out of the boys."

MOORE, R. A., Consultant, For. Prod. Res. Institute, FAO of U.N.

PETERSEN, Capt. Donald F., U. S. Army.

"Have three boys, but no late picture. I'm attending another Army school now—9 months long."

REYNS, Robert G., Ass't. Post Forester, Civil Service, U. S. Army.

ROSS, Vincent, R., General Foreman, Brunswick-Balke-Collender Co.

"It sounds as though you folks down there are striving for a first class physical plant—best of luck with the legislature. As you can see from the address, I made a job change this year and so far so good. Dick White is also up here and we get together occasionally. We had another addition last February, so now we have two potential stump jumpers to perpetuate the profession."

1953

ADAMS, P. W., Land Bank Appraiser, Federal Land Bank.

BRYAN, Mackay B., Research Forester, Southeastern Forest Expt. Sta.

"I'm glad to hear of all the progress in the Forestry School. We have a pretty good force of field men now—21 men, but not a single one from N. C. State. A few rugged individuals should check with us next year."

DORWARD, Robert E., Nursery Superintendent, Hiwassee Land Co.

GARMAN, James D., Owner, Construction Company.

JENKINS, Bob, Sales, Service Representative.

KEILING, Robert E., Forester, J. P. Hamer Lumber Co.

McGEE, Edwin H., County Forester, N. C. Div. of Forestry.

"We now have a girl 2 years old, and a boy 2 months old."

WESSLELL, John C., Manager of Forest Enterprises, N. C. Prison Dept.

"Be glad to have any of the boys stop by and visit while in Raleigh."

YOST, Larry H., Assistant Manager, Armstrong Furniture Co.

"Too proud to go to South Carolina, too poor to go to Virginia, so here I am in West (by God) Virginia."

1954

ANDERSEN, Harold James, Studying on Fulbright Award in Norway.

ARNOLD, Thurston W., District Forester, N. C. Pulp Co.

"Good to hear of the improvements at school and the degree it is growing. I have seen quite a few of the boys from school down here and even got over to Hoffman Forest once to see Drs. Miller and Bryant. Still enjoying management, but not the fires. Have 2 children and expecting another soon."

BARRETT, James P., Research Forester, U.S.F.S.

"I still ain't married cause I can't find no girl that wants me. I am planning to do soils work in areas with poor internal drainage and poor surface drainage. My boss says he wants me to raise the site index 30 feet!! I hope everyone is getting along all right at State."

BIDEAUX, Rene O., Methodist Church.

BLANTON, William M., Jr., Regional Sales Manager, Globe Furniture Co.

"I worked the New York area last year for Globe, and came back to High Point in August."

DERRO, Joseph J., Jr., Science Teacher, Pentucket Regional Jr.-Sr. High.

"After nearly four years I have left the wholesale lumber business and I am now teaching general science in a new regional high school in Northern Massachusetts. I am enjoying it tremendously and only wish I had made the change sooner. When my principal looked over my transcript and saw all the dendrology courses, he wanted to know if that covered the study of dendrites! Have not heard from many of the old gang; except I did receive a couple bags of peanuts from Grey Moulthrop, courtesy of Union Bag-Camp Paper Company."

GOLDNER, James R., Engineering, Broyhill Furniture Corp.

HOLMES, Malcolm L., Jr., Ass't. Dist. Forester.

LALICH, Branslav, Firestone Plantations.

LANE, Edward B., Jr., Asst. Area Forester, Champion Paper & Fibre Co.

"Austin Pruitt and I are still living two beautiful bachelor lives. After observing several newly-wed couples this past year, I believe the 'stay out' advice worth consideration. My receding hairline continues to recede—frankly, I'm getting bald! My 'family' consists of two recently acquired beagle pups. Work is steady and varied—most of my time this year has been devoted to hardwood sawtimber sales and a re-inventory of our forest holdings."

LANGLEY, Walter R., Jr., Land Bank Appraiser, Federal Land Bank.

MESSINGER, Steve, Michigan State University, Student.

RAPER, Charles F., Mortgage Loan Representative, Travelers Insurance Co.

"Civilian life is O.K. See a few of the old crowd from time to time. Hope to see you soon."

SEWELL, Carl S., Area Forester, St. Marys Kraft Corp.

"Another year and I find myself back in the deep piney woods of southwest Georgia, moved down here in December 1957. Seems that every time I live in Georgia my family increases. Now have a second forester, Kenneth T., born April 25, 1958, our first little 'woodpecker' is now 3 years old. Appreciate the news letter, sounds as though the ole school is setting the woods afire in progress. Hope you all have a successful school year."

THRASH, T. L., U. S. Forest Service.

"After 4 years finally talked my wife into having a second child, Baby girl, 'Randy,' born June 5, 1958."

WELLS, J. J., Asst. Area Forester.

"Still buying land, building roads, selling timber. The family is stabilized at a girl, 5, and a boy, 4. The woodworking bug keeps biting harder and harder and I continue to add more tools to the shop to satiate it. Plan to compete with Drexel Furniture when I consider the shop complete. We spent a week of our vacation camping with the Charley Rapers this summer."

WRIGHT, Ernest B., Jr., Forester, U.S.F.S.

1955

BROWN, Joseph B., Field Representative, Halifax Paper Company.

CHAPMAN, John F., Unit Supervisor, U.S.F.S.

COBB, Fields W., Jr., Research Ass't in Forest Pathology, Penn State Univ.

"Sorry this is so late but I had to save my pennies to buy a couple of Christmas presents. Now that the new year has begun I guess I can send along what few pennies there was left in the piggy bank. I was married last May 24 in Woodburg, Conn. to the former Octavia H. Smith of that town. Now, we are living in State College, Pennsylvania where I started my studies in Sept. toward a Ph.D. degree in Forest Pathology."

DALLERY, Edgar L., Project Forester, S. C. Comm. of Forestry.

GALLUP, L. Edward, Owner-Manager.

HARDY, P. L., Jr., Service Forester, Va. Div. of Forestry.

"Went to work for Virginian in June. Am presently engaged in a Seed Tree Study."

HIATT Elbert L., Engineer-Quality Control, Gravely Furniture Co.

HILL, Noble E., Forestry Assistant, Hiwassee Land Co.

"Still have one wife, no acre and no mule. These North Alabama bushes have a limited number of desirable acres and mules."

LARKEY, Bobby J., Asst District Ranger, U.S.F.S.

MALMQUIST, Quentin A., Supervisor of Bulldozing, Excavating & Logging.

MOULTHROP, Grayden B., Va. Sales Representative, Union Bag-Camp Paper Corp.

RAND, Leroy F., Quality Control Eng. & Wood Technologist.

ROBINSON, John F., Forest Technician, International Paper Co.

SEAMAN, Emil H., 1st Lt., USMC.

"It appears from the above letter that the school is growing rapidly. A few years has certainly made changes. I noted no mention of Prof. Carter. I trust he is still with us. Please give my regards to all."

TESTER, Lt. John W., Pilot & Sqd. Adjutant for SAC, USAF.

"Looking for a position in Pulp and Paper Industry now. Maybe we can get back for the 'Loggers Brawl' sometime in the near future. Texas is getting to look worse by the day, and we (my wife, Lois) are anxious to get back to the 'tree and grass country.' We have seen some beautiful country in the past three years, but we pine for the land of the hollibolly. Best wishes to all the staff from the Testers, and we'll see you soon!"

1956

CURTIS, Willie R., Research Forester, U.S.F.S.

"At the National meeting of the S.A.F. in Salt Lake City, I met and talked with Dr. Bryant. It was a pleasure seeing and talking with him again. On November 14, 1958, I had the pleasure of representing N. C. State College at the inauguration of the eleventh President of Arizona State College at Flagstaff. Give my regards to all and please accept my apologies for the delay in replying to your letter. The old saying 'Better late than never' undoubtedly holds true in this case."

DOZIER, William B., Community Forester, W. Va. Pulp & Paper Co.

"I was very happy to know of the new school setup and even more of the efforts to prepare for the future. N. C. State Forestry School is still tops in my book. Have run into several State boys recently. Paul Carson lives only 30 miles across the swamp. This low country of South Carolina has some places that make Hoffman Forest look nice. I am enjoying my work in wood procurement. It presents a challenge every day. Hope to see you soon."

HORTON, Wilson, Forester, S.C.F.S.

"The missing part of this sheet was devoured by my little son, Mark, age 19 months. I assure you we are not this bad up, however, he seems to thrive on paper, cigarette butts, rouches, and the like, and who am I to change his menu. We are getting along fine—there's still just the three of us—the job is great. Gilmer Green, Paul Carson, and I went to the State-Carolina game and had a great time. Hope to see you soon."

KILIAN, Leonard A., Jr., Watershed Forester, N.C.F.S.

"Returned to U. S. in April of this year and got 'hitched' that same month. Same girl—Laura Williams—Kilian now! Was mustered out of service in August and am now with N. C. Forest Service. My job is to keep the piedmont from becoming part of the coastal plain—even if it means planting Virginia pine. Wow!!"

MARTIN, Allen Lee, Lt., Army.

"All is fine with the Army—just give me the woods—with the stump water, of course. Hope to be back roughing it by May of next year. Horton tells me he has really got it made with S. C.—bet he has, knowing the old boy."

MILLER, Robert J., Jr., Timber Sales Forester, W. Va. Pulp & Paper Co.

"Same location; new duties include timber sales, public relations and safety."

SWIFT, John G., Service Forester, Va. Div. of Forestry.

WEBB, James E., Jr., Ass't Dist. Ranger, U.S.F.S.

"I was transferred from the Croatan to the Cheoah Ranger District in July. It was great to get back in the mountains! We are expecting our first child in January. Give everyone around school my best regards."

1957

BUTLER, Gordon L., Forester, Coosa River Newsprint Co.

"It was good to get the news letter and learn of the school's progress. The boy, eight months, and wife, are doing fine. Working for Coosa River is fine in spite of what Pierre Boulgogne says. Give my regards to all there at school."

GIBBS, George S., U. S. Army.

"Thanks for the letter and news from the old stomping grounds. I don't hear much about what's going on around Raleigh, particularly since the Army shipped me to California. I guess I overlooked telling you about my wedding in New Bern, N. C., last July 3 to Mary Dell Matthews of Bang, Ala., since I've seen nothing in either Pinetum or Alumni News. Thanks again for the news."

HUDSON, Samuel T., Jr., Forester, Vermont Forest Service.

"It was certainly good to hear from you and to get the latest news from school. Things must be really 'booming' down there and we probably won't recognize the old school in years to come. Up here in the land of the free and the home of the 'bar' we send our best regards and look forward to future news from Kilgore Hall."

KELLEY, Jack Stewart, Forester, U.S.F.S.

"I'm still down in this damn pocosin. Oh, it's really not too bad; and I'm afraid I like it—a little. Stan Adams just started here, poor fellow. Libby and I now have a boy—born April 24—now weighs 23 pounds. He's good-looking just like his pa—Ha! I hope to see you all again sometime real soon."

NELSON, Roger A., Technician, Diamond-Gardner Corp.

PICKENHEIM, Paul J., 2nd Lt., U. S. Army.

"Dropped in to see someone in the middle of August, but Kilgore Hall was dead. We were on our way to 'Lost-in-the-woods' after being in New Bern to see the Kelleys. N. C. never looked so good until we reached this state of misery—Missouri—that is! I see I used the word 'we,' well, along about last April I took the plunge and have been living in marital bliss since. Forestry hasn't lost me yet, however, even though the Army is trying to sour me on life in general. Maybe I'll drop by again some day to see these advances you describe."

CILIBERTI, Vito, Chemical Engineer, Riegel Paper Corp.

STEVENS, Wilbur R., Ass't Area Manager, Riegel Paper Corp.

"Still fighting the boys. Have been fishing and hunting quite a bit. Tell everyone hello."

STEVENSON, James T., 2nd Lt., U. S. Army.

"We're out here on amphibious maneuvers for a few weeks and I'm seeing a lot of good timber. As we came out here in motor convoy we got a good cross section of the U. S. Also, finally getting to see real live dendro specimens."

TAYLOR, Ralph P., Conservation Forester, Union Bag-Camp Paper Corp.

WHITE, Miles J., Jr., Forest Aide, Union Bag-Camp Paper Corp.

"Well I am now a married man as of July 26, 1958. Am still working hard and like my job fine. Hope to get to school soon."

1958

AMBLER, A. Chase, Jr., Master of Science, Asheville School for Boys.

"Presently teaching physics, physics lab, and chemistry lab. Also coaching football, swimming—live on the campus. 24 hour a day job. No money. No social life. 40-50 papers a night to grade—but, never been happier in my life."

DeCOSTE, John H., Graduate Student, College of Forestry, Syracuse.

EAKINS, Thomas A., Forester Ass't, Bowater Paper Co.

"All is well with us. Expecting another little forester in March. Give our regards to all."

EARLE Ted W., Jr., Forester, Acme Wood Corp.

"I see Erwin often and Tex every once in a while. Hope to hear from you soon."

FORTIN, John B., Jr., Forester, U.S.F.S.

"I've been here on the Cheoah since graduation. It's grand country to work in, but I leave for Fort Knox on the 25th January for a tour of duty with the Army. My regards to everyone."

GURGANUS, R. F., U.S.F.S.

"My wife, kid and I moved out to Marion, N. C. last February after graduation, and I started working for the U. S. Forest Service, Catawba Ranger District, Pisgah Nat'l Forest on Feb. 10, 1958. This is beautiful country, and good people to live and work with."

HILBOURNE, Theodore A., III, Graduate Ass't., N. C. State College.

"I've found a home. And I'll finish that map—someday."

KUNSELMAN, Mahlon B., Ass't District Forester, N.C.F.S.

"Glad to hear of all the latest events in the Forestry School. I like the N. C. Forest Service fine and my wife, my son and myself like this part of the country very much. As a matter of fact we have a lot of country similar to Hoffman Forest, so you can sympathize with our fire problem. My best regards to all the instructors in old Kilgore Hall."

O'QUINN, Charles, 2nd Lt., U. S. Army.

"It's good to hear that the school has been departmentalized. This should work much better than having four separate curriculums. The departments should get more recognition from outside the school, helping the employment situation. It should also make scheduling courses easier. I don't know yet what I'll be doing when I leave my present employer."

SAWYER, George, Jr., Ass't Area Forester, Gair Woodlands Corp.



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B. S. Hays	Dept. of Conservation & Development, Div. of Forestry, Raleigh, N. C.
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A. W. Simmons	Unknown
R. S. Swanson	Box 462, Newton, N. C.

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Michael Goral	Unknown
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T. G. Harris	421 Rightmyer Drive, Roanoke Rapids, N. C.
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Jesse Levine	Unknown
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V. W. Herlevick	3627 Stratford Blvd., Wilmington, N. C.
W. W. Hook, Jr.	2109 Greenway Ave., Charlotte, N. C.
T. F. Icard	2046 Main St., Sarasota, Fla.

S. N. McKeever	Spring Creek, West Virginia
E. N. Seltzer	135 Beech St., Concord, N. C.
G. W. Smith, M. F. '58	N. C. State College, Kilgore Hall, Raleigh, N. C.
L. J. Smith, Jr.	Mountain View, Arkansas
R. L. Solow	1104 Harrison Ave., Elkins, West Virginia
Fred West	Unknown
B. M. Zuckerman	Cranberry Exp. Sta., E. Wareham, Mass.

Class of 1949

V. D. Adams	Unknown
B. L. Allen	P. O. Box 854, Rocky Mount, N. C.
J. A. Altman	904 Logan St., Salem, Va.
R. J. Alvis	342 55th St., Newport News, Va.
G. W. Barnes	415 Elm St., Raleigh, N. C.
J. C. Baskerville	Route 2, Hickory, N. C.
J. B. Bernard, Jr.	Box 936, Sylva, N. C.
R. Q. Bishop	405 Greenway Dr., Florence, S. C.
A. W. Boswell	Box 654, Battleboro, N. C.
S. G. Boyce, M.S. '51 Ph.D. '53	Route 2, Wadesboro, N. C.
C. A. Broadway	104-D Abbie Apts., Spartanburg, S. C.
E. F. Corn	Dist. Forester, N.C.F.S., Rocky Mount, N. C.
A. C. Craft	Box 659, Mullins, S. C.
T. S. Davis	c/o J. S. Davis, Troy, N. C.
W. C. Deaton	Box 311, Southern Pines, N. C.
G. V. Durham	1221 Barkley Rd., Charlotte, N. C.
A. J. Edler	P. O. Box 629, Newark 1, N. J.
C. R. Fuller	311 N. Bridge St., Elkin, N. C.
J. H. Gandy	Harbel Liberia, West Africa
R. B. Goddes	Tappahannock, Va., Box 216
W. H. Goddes	1115 W. Greenwich St., Falls Church, Va.
J. D. Guthrie	578 W. Shadowlawn Dr., Chattanooga, Tenn.
J. P. Harper	5125 West Lakeside Dr., Raleigh, N. C.
A. R. Harris	Box 453, Clinton, N. C.
T. M. Hasell, Jr.	Route 3, Box 534, Wilmington, N. C.
R. L. Horne	711 Royster St., Shelby, N. C.
H. G. Johnson	609 Joyner St., Greensboro, N. C.
J. F. Johnson, Jr.	3722 Stratford Blvd., Wilmington, N. C.
W. T. Jones, M. F. W. T. '56	P. O. Box 348, Greenville, Fla.
W. G. Kelley	P. O. Box 4166, Richmond 24, Va.
S. H. Long	306 East K. Street, Newton, N. C.
D. E. Moreland, M.S., '50 Ph.D. '53 Agronomy Dept.,	Gardner Hall, N. C. State College, Raleigh, N. C.
E. L. Munger	Box 72, South Boston, Va.
A. P. Mustian, Jr.	Unknown
L. A. Muty	Stanfield, N. C.
R. E. Nielsen	7730 Stockton Ave., Pennsauken, N. J.
R. L. Noneman	Rome Charcoal Corp., Colon, N. C.
W. R. Parham	812 Heplar Rd., Richmond, Va.
T. W. Patton	Box 572, Jacksonville, N. C.
M. E. Pekar	P. O. Box 295, Fork Union, Va.
H. R. Powers, Jr., Ph.D. '53, Div. of Cereal Crops & Diseases, Plant Industry Station,	Beltsville, Md.
F. P. Probst	Unknown
Franklin Saltzman	905 Potomac Ave., New Alexandria, Va.
B. F. Smith	Unknown
W. Mc. Stanton	Box 83, Rowland, N. C.
P. M. West	P. O. Box 563, North Wilkesboro, N. C.
F. E. Whitfield	124 Winchell Rd., Syracuse 10, N. Y.
A. D. Wilson	509 Pine St., Farmville, Va.
D. K. Wilson	Regional Coordinator, Minn. Div. of Forestry, Hill City, Minn.
F. W. Woods	School of Forestry, Duke University, Durham, N. C.
O. T. Wynne	106 Oakway Court, Clemson, S. C.
T. E. Yancey	Box 97, Waverly, Va.

Class of 1950

H. W. Alexander	Box 235, Murphy, N. C.
T. C. Alexander	194 Tucker St., Burlington, N. C.
P. E. Appleby	995 Lander Rd., Cleveland 24, Ohio
J. C. Barber, M. S. '51	1986 Knightsbridge Rd., Macon, Ga.
A. C. Barefoot, M. S. '51 Ph. D. '57	3349 Hampton Road, Raleigh, N. C.
R. L. Beal	International Paper Co., Brandon, Miss.
F. W. Biddix, Jr.	Spruce Pine, N. C.
C. A. Blevins	Route 5, Box 118D, Raleigh, N. C.
D. R. Bowling	Forestry Dept., Masonite Corp., Laurel, Miss.
R. E. Boyette	Box 425, Rockingham, N. C.
A. W. Bragg	2126 Sprunt, Durham, N. C.

G. P. Brank	Box 374, Albemarle, N. C.
W. R. Broadwell	Perry Lumber Co., Rocky Mount, N. C.
J. R. Buncy	Hobbsville, N. C.
D. T. Burkett	5402 Phillips Hwy., Jacksonville, Fla.
P. O. Campbell	219 Smith St., Georgetown, S. C.
L. R. Cantliffe, Jr.	93 Hall Ave., Meriden, Conn.
M. J. Cavanaugh	2118 Glenn St., Newberry, S. C.
J. F. Clayton	Box 129, West Jefferson, N. C.
L. D. Curle	Box 12, N. Wilkesboro, N. C.
W. F. Currence	Turtletown, Tenn.
H. G. Dallas, Jr.	Country Club Homes, Raleigh, N. C.
J. J. Dee	5 Bellows Lane, New City, New York
H. C. Dellinger, M.S. '51	Box 333, Mt. Holly, N. C.
D. A. Dubow, M.S. '54	143 Fairbanks St., Hillside, N. J.
W. R. Edens	488 Pearl St., Darlington, S. C.
A. C. Edwards	Box 271, York, S. C.
W. T. Ellison, Jr., M.S. '56	510 Pinhurst Ave., Colonial Heights, Va.
E. J. Engel	Box 309, Monticello, Ga.
J. T. Evans	Box 667, Sylva, N. C.
B. F. Finison	U. S. F. S., Leesville, La.
W. C. Furr	1011½ Woodlawn Ave., Everett, Washington
J. H. Gilliam	Route 2, Elon College, N. C.
T. E. Glunt	2298 Thames Dr., Redding, Calif.
J. A. Gravely	321 King Street, Brevard, N. C.
R. L. Gray	Tompkinsville, Kentucky
H. J. Green	N. C. Div. of Forestry, 408 Dry Ave., Cary, N. C.
T. S. Griffin	P. O. Box 50, Elizabeth City, N. C.
W. V. Griffin	Route 3, New Bern, N. C.
R. W. Gross	65 Fletcher Ave., Valley Stream, N. Y.
R. J. Hare	1116 Holburn Place, Raleigh, N. C.
N. M. Hicks	2267 Slocum Rd., Memphis, Tenn.
J. D. Hill	P. O. Box 1078, Rockingham, N. C.
J. C. Holland	205 Lake Forest Parkway, Wilmington, N. C.
H. Kahan	11 Wesley Ave., Port Chester, N. Y.
W. R. Kiser	22 Audley Lane, Glen Lennox, Chapel Hill, N. C.
R. C. Kornegay	S. 5th St., Smithfield, N. C.
J. C. Lampe	Poinsett Lumber & Management Co., Pickens, S. C.
H. A. Lockemer	Williams-Brownell Co., Biltmore, N. C.
V. D. McDonald	J-3 Country Club Homes, Raleigh, N. C.
E. P. McMillan, Jr.	Unknown
F. W. Miller	112 12th St., Jeanette, Pa.
A. W. Millers	956 4th St. Dr., N. W., Hickory, N. C.
E. C. Moon	101 S. Laurel Ave., Charlotte, N. C.
M. S. Moore	2202 Hawthorne Lane, Kinston, N. C.
M. A. Mulkey	2706 Peachtree St., Raleigh, N. C.
C. A. Musser	2217 Dixie Trail, Raleigh, N. C.
R. C. Overby	427 Jefferson St., Roanoke Rapids, N. C.
J. R. Padgett	P. O. Box 109, Paris, Arkansas
W. J. Paschal	P. O. Box 495, Lillington, N. C.
W. W. Paylor	Box 152, Longhurst, N. C.
W. R. Phelps	Monkton, Maryland
J. H. Phillips, Jr.	405 Edgewood Rd., Shelby, N. C.
W. L. Pierce	203 York Dr., Portsmouth, Va.
J. M. Poplin	1126 Sycamore St., Rocky Mount, N. C.
D. H. Price	136 Wilson St., Chester, S. C.
L. R. Propst, Jr.	Unknown
F. R. Puckett	790 Ellis, N. E., Orangeburg, S. C.
J. R. Rankin	Route 3, New Bern, N. C.
B. W. Ratts	Box 366, Clarkton, N. C.
T. S. Rhyne	Richardson St., Whiteville, N. C.
W. R. Rickman	c/o Mrs. W. R. Rickman, Rt. 4, Franklin, N. C.
B. H. Ropeik	415 Edsdale Rd., Baltimore 29, Md.
J. W. Saffley	1106 Newton Dr., New Bern, N. C.
W. H. Searcy	Box 222, Waverly, Va.
K. B. Sexton	Unknown
M. N. Shaw, Jr.	5 Montford Park Place, Asheville, N. C.
J. W. Sisson	136 Washington Terrace, Audubon, N. J.
H. H. Smith, Capt.	164 Lynn Cove Rd., Asheville, N. C.
J. F. Spivey, Jr.	3504-B Parkwood Dr., Greensboro, N. C.
H. G. Turner, Jr.	Unknown
M. A. Tuttle	Box 199, Elizabeth City, N. C.
A. R. Verbeck	Unknown
L. J. Walls, Jr.	Clinton, N. C.
M. F. Ward	Magnolia Dr., Wadesboro, N. C.
J. B. White, M.S. '50	Unknown
W. B. White	903 Nichols St., Henderson, N. C.
T. W. Whitt	P. O. Box 1113, Southern Pines, N. C.
J. M. Wilkinson, Jr.	Masonite Corp., New Augusta, Miss.
T. L. Willis	Unknown
R. E. Williams	3715 Dresden Dr., E. Charlotte, N. C.
W. H. Williams	P. O. Box 83, Beaufort, N. C.

Class of 1931

J. F. Allen	Unknown
J. H. Besaman	Dept of Botany, Michigan State Univ., E. Lansing, Mich.
D. H. Bush	Box 671, Jacksonville, N. C.
C. B. Cense, Jr.	U. S. Plywood Corp., Orangeburg, S. C.
Charles Cousins	Lea Lumber Co., Windsor, N. C.
E. M. Eatep	U. S. Forest Service, Boise Nat'l Forest, Idaho City, Idaho
P. B. Etchinson	U. S. Forest Service, Mapleton, Oregon
B. W. Gentry	Troy Lumber Co., Lumberton, N. C.
D. R. Godwin	Unknown
L. D. Greenwood	25 "F" St., Frostproof, Fla.
J. T. Hance	S. C. State Comm. of Forestry, Columbia, S. C.
H. R. Hendricks	W. Va. Pulp & Paper Co., Wood Dept., Covington, Va.
I. C. Henson	Power Operations, Kingston Steam Plant, Harriman, Tenn.
L. T. Hunter	Heritage Furniture Co., Mocksville, N. C.
R. W. Hutson	11 Gibbs St., Charleston, S. C.
A. P. Jervey	171 Wentworth, Charleston, S. C.
R. J. Jewett	Deceased
R. W. Johansen, M. S. '55	Route 3, Box 6A-2, Lake City, Fla.
E. M. Jones	c/o Co. AGT Office, Charlotte, N. C.
J. G. Lusk	21 W. 6th Ave., Williamson, W. Va.
J. C. Maaten	303 Powell Blvd., Whiteville, N. C.
F. P. Meacham	Route 3, Goldsboro, N. C.
W. P. Mitchell	1201 Stockton Rd., Kinston, N. C.
R. F. Penland	P. O. Box 7084, Asheville, N. C.
J. Ralston, M.S. '55	Maryville Branch Post Office, Georgetown, S. C.
J. R. Reid, Jr.	3465 Leonard St., Raleigh, N. C.
J. F. Renfro, M.F. '57	200 W. Jackson St., Brewton, Ala.
A. C. Roane, Jr.	1208 Clay Ave., New York 56, New York
S. C. Rose	205 Hillside Ave., Fayetteville, N. C.
A. F. Rowe, Jr.	808 W. 5th St., Ayden, N. C.
W. E. Scholtes	1308 Lakewood Ave., Durham, N. C.
R. E. Schilling	Box 584, Elizabethtown, N. C.
A. F. Skaarup	107 Oak Lane, Cranford, N. J.
W. D. Shofner	c/o Health Survey Consultants, 572 Washington Street, Wellesley 81, Mass.
D. A. Stecker, M.F. '51	30 Highland Ave., Randolph, Vt.
C. M. Story	2329 Glascock St., Raleigh, N. C.
T. L. Suggs	728 Athens Ave., Fayetteville, N. C.
P. D. Sykes	Box 376, Drexel, N. C.
M. A. Tuttle	Box 129, Elizabeth City, N. C.
H. M. Westbury	Box 458, Forest Service, Kingstree, S. C.
C. C. Willoughby	903 Sycamore St., Weldon, N. C.

Class of 1932

J. D. Besse, M.S. '52	151 McMeekin St., Sault Ste Marie, Ontario, Canada
G. M. Blanchard	Box 1142, Pinehurst, N. C.
H. J. Boger	Box 520, Swannanoa, N. C.
J. J. Cornett	Unknown
L. A. Cramer	Box 1818, High Point, N. C.
J. D. Crook, Jr., M.W.T. '56	860 Ocoee St., N.E., Cleveland, Tenn.
H. R. Garrett	U. S. Forest Service, 1502 Evans, Newberry, S. C.
J. E. Graham	District Forester, S.C.F.S., Newberry, S. C.
T. J. Ginn, M.F. '52	507 Mayflower Dr., Greensboro, N. C.
H. H. Gresham, L.P.M. '53	St. Regis Paper Co., McIntosh, Ala.
T. N. Hardin	Bureau of Land Management, Ely, Nevada
H. G. Harris, Jr.	440 W. Dure Circle, Rocky Mount, N. C.
J. S. Hinshaw	Route 5, Lexington, N. C.
S. M. Hughes	Box 23, Hallaboro, N. C.
C. A. Jackson, Jr., L.P.M. '53	Route 1, Mebane, N. C.
J. V. Jackson, Jr.	118 N. Baker St., Charlottesville, Va.
E. N. Jordan	Tyner, N. C.
R. Kral	1130 Paulina St., Oak Park, Ill.
G. E. Lamb	7046 Prince Ave., Goldsboro, N. C.
C. L. Lane, Jr.	Butner, N. C.
J. I. Ledbetter	Box 407, Hadin, N. C.
J. L. Leroy	204 Woodlawn St., Walterboro, S. C.
S. E. Lewis	Farm Management Forester, P. O. Box 463, Montesano, Washington
W. K. Lusk	21 6th Ave., Williamson, West Va.
B. C. Meeker	Unknown
J. H. Miller	Peichhold Chemicals, 1521 E. Rowland Ave., West Covina, Calif.
R. A. Moore, M.S. '52	United Nations, c/o American Embassy, APO 928, San Francisco, Calif.
D. W. Morison	1917 Harper St., Newberry, S. C.
A. M. Neilson	Route 1, Asheville, N. C.
G. P. Peroni	Box 256, Paul Smiths, N. Y.
D. F. Peterson	850 A Terney Dr., Ft. Benning, Ga.

R. B. Phelps 405 Belmont Ave., Windsor, N. C.
 J. B. Reid Route 3, Box 88, Hamburg, Ark.
 R. G. Reynolds Apt. 8, Brentwood Apts., Columbia, S. C.
 V. R. Ross 350 E. Main St., Marion, Va.
 H. A. Tate, Jr. 1495 Edgewood Dr., Elizabeth City, N. C.
 W. V. Tate, Jr. 608 West 5th St., Winston-Salem, N. C.
 T. G. Whipple, M.F. '52 580 Bryant Court, Orangeburg, S. C.
 S. D. Wiggins, M.F. '52 Box 395, Black Mountain, N. C.

Class of 1953

P. W. Adams Box 305, Windsor, N. C.
 G. H. Atkins Middleburg, N. C.
 S. D. Bean c/o T.V.A., Clinton, Tenn.
 J. W. Bennett Route 7, Sunset Blvd., Gainesville, Ga.
 D. L. Brennenman, M.F. '53 Holme State Forest Nursery, Penrose, N. C.
 E. C. Carr, Jr. 301 Horne Ave., Farmville, N. C.
 K. M. Corbett, Jr. 2023 Perry Ave., Wilmington, N. C.
 P. F. Crank, Jr. Point Harbor, N. C.
 D. M. Crutchefield P. O. Box 431, Manteo, N. C.
 R. E. Dorward Skyline Drive, Fairview Heights, Maryville, Tenn.
 R. H. Eggleston Box 97, Carthage, Tenn.
 J. D. Garman 18 Belleview Ave., Glyndon, Md.
 Max Halber Unknown
 H. M. Harris 3 Pine Tree Rd., Asheville, N. C.
 J. M. Hayes 404 Wayne Dr., Raleigh, N. C.
 G. H. Holshouser Linville, N. C.
 H. W. Hocker, M.F. '53 FA-5 College Rd., Durham, N. H.
 R. G. Jenkins 1144 Acacia Lane, Grants Pass, Oregon
 F. S. Kelling Box 224, Gary, West Va.
 R. E. Kelling 221 Leftwich Ave., Madison, West Va.
 H. F. Layman 2645 Hillside Dr., Charlotte 5, N. C.
 Milton Noble Portsmouth, Kentucky
 R. H. Tait 1422 Mayfield Ridge Rd., Cleveland 24, Ohio
 O. C. Tissue, M.F. '53 Miss. For. Comm., Box 649, Jackson, Miss.
 C. E. Webb c/o Allie Webb, Demorest, Ga.
 M. E. Welch 808 Cornell St., Fredericksburg, Va.
 J. C. Wessell 2628 Kilgore Ave., Raleigh, N. C.
 J. H. Wheelless P. O. Box 295, Rocky Mount, N. C.
 R. T. White 737 Henry St., Marion, Va.
 D. J. Wolf 130 N. Charles St., Red Lion, Penna.
 D. O. Yandle, M.S. '54 Forest Products Lab., Madison, Wisconsin

Class of 1954

H. J. Anderson c/o Forestry Dept., Vollebakk, Norway
 T. W. Arnold Box 61, Rose Hill, N. C.
 J. M. Barker, Jr. Box 525, Union Point, Ga.
 J. P. Barrett Box 1192, Alexandria, La.
 W. M. Blanton 1308A Eaton Place, High Point, N. C.
 R. O. Bidaux Route 1, Jackson Springs, N. C.
 J. C. Biggert Unknown
 M. B. Bryan, M.S. '54 6 Rovenna Dr., Asheville, N. C.
 J. M. Clement 1005 West Lenoir St., Raleigh, N. C.
 J. J. Derro, Jr. 433 Washington St., Winchester, Mass.
 O. J. Dutka Unknown
 J. R. Goldner 524 Kentwood St., Lenoir, N. C.
 F. R. Groves Box 153, Fernandina Beach, Fla.
 C. A. Hart, M.S. '54, Ph.D. '58 School of Forestry, N. C. State College
 M. L. Holmes P. O. Box 324, Columbia, N. C.
 S. Janczura 60 Palmer St., Falls River, Mass.
 R. B. Jordan Mt. Gilend, N. C.
 M. S. Katana, M.S. '53 Kirkuk, Iraq
 H. G. King 118 W. Phil-Ellena St., Philadelphia, Pa.
 B. Lalich Firestone Plantations, Harbel, Liberia, West Africa
 E. B. Lane c/o Graham's, Washington, Ga.
 W. R. Langley, Jr. P. O. Box 885, Florence, S. C.
 A. S. Messenger 3467 W. Mt. Hope Ave., Lansing 15, Mich.
 J. E. Nicholson Milton Ave., Route 2, Chapel Hill, N. C.
 J. W. Norris 304 Minturn Ave., Hamlet, N. C.
 A. E. Paetzell P. O. Box 293, Blountstown, Fla.
 B. B. Payne Route 3, Canton, N. C.
 L. F. Rand, M.W.T. '55 P. O. Box 385, Palatka, Fla.
 C. F. Raper 1060 Winton Ave., Apt. F, Macon, Ga.
 C. J. Reis, M.S.W.T. '58 Route 1, Box 11, Lock Haven, Pa.
 W. W. Saur, M.F. '54 536 Rua de Novembro, Lavras, Minas, Brasil, S. A.
 C. S. Sewell 1184 Fourth St., S.W., Moultrie, Ga.
 W. F. Taylor, M.W.T. '54 403 Colechester Ave., Burlington, N. C.

T. L. Thrash	Robbinsville, N. C.
J. P. Tunstall	Edward, N. C.
J. J. Wells	306 Maple St., Rutherfordton, N. C.
F. D. Wentworth, M.W.T. '54	599 Adrian Dr., Memphis 17, Tenn.
B. B. White	1905 Wilson St., New Bern, N. C.
W. B. Woodrum, Jr., M.S. '54	Unknown
E. B. Wright, Jr.	Union Creek Ranger Station, Prospect, Oregon
L. H. Yost	Armstrong Furniture Co., P. O. Box 636, Martinsburg, West Va.

Class of 1955

O. G. Alfaro	D.T.L.C.A., Casilla 13, 129, Santiago, Chile, South America
J. M. Archer	3-A Veterans Dr., Otteen, N. C.
J. B. Brown	836 N. Leak St., Southern Pines, N. C.
F. W. Cobb, Jr.	114A Maple Rd., State College, Pa.
J. F. Chapman	U.S.F.S., St. Maries, Idaho
C. E. Cramer	c/o Northeast Lumber Sales, P. O. Box 173, West Hartford, Conn.
E. L. Dallery	P. O. Box 257, Camden, S. C.
E. D. Flowers	Box 66, Folkston, Ga.
T. R. Frazier	Apt. 303, 4423 Taney Ave., Alexandria, Va.
L. E. Gallup, M.S. '55	Tar Heel Wood Treating Co., Route 1, Cary, N. C.
A. W. Gilliam, M.W.T. '58	300 Second Ave., Farmville, Va.
R. H. Goslee	600 5th Ave., Portsmouth, Va.
P. L. Hardy, Jr.	Mineral, Va.
E. L. Hiatt	Box 192, Ridgeway, Va.
N. E. Hill	Apt. 2A, Marion Garden Apts., Jasper, Ala.
W. T. Huxster, Jr., 2nd Lt.	Unknown
P. E. Hoekstra, M.S. '55	Box 92, Lake City, Fla.
R. J. Kalish	Route 1, Freehold, N. J.
R. B. King, M.W.T. '55	Hotel Easley, Easley, S. C.
R. B. Lankford	P. O. Box 292, Nashville, N. C.
B. J. Larkey	Box 632, Hazard, Kentucky
W. A. Larson	722 14th St., Ambridge, Penna.
T. J. Lester	308 Starling Ave., Martinsville, Va.
E. H. McGee	County Forester, P. O. Box 27, Asheboro, N. C.
G. A. Malmquist	Post Mills, Vermont
O. A. Manney	26 Tradd St., Charleston, S. C.
G. B. Moulthrop	710 Face St., Franklin, Va.
G. H. Pierson	55 Wetmore Ave., Morristown, N. J.
W. F. Price, M.F. '55	Unknown
C. J. Purdy, Jr.	15F Chatham Apts., Savannah, Ga.
J. F. Robinson	511 Maple St., Jacksonville, N. C.
J. E. Rusmisseil, Jr.	570 Monroe St., Hopewell, Va.
E. H. Seaman	Box 20A Quantico-Triangle Trailer Ct., Triangle, Va.
D. R. Smith	Bemis Hardwood Lumber Co., Robbinsville, N. C.
J. E. Tekel	313 Winans Ave., Hillside 5, N. J.
R. J. Thomas, M.W.T. '55	3716 A. Herbert Ave., Pennsauken, N. J.

Class of 1956

H. D. Barr, Jr.	U.S.F.S., Hillsboro, Ga.
R. H. Beal	P. O. Box 151, Gulfport, Miss.
M. T. Brooks	Tappahannock, Va.
J. C. Burns	190 High St., Metuchen, N. J.
H. T. Caldwell	303 Hudson St., Maryville, Tenn.
P. B. Carson, Jr.	S. C. Comm. of For., Box 943, Walterboro, S. C.
R. F. Chrismer, M.W.T. '56	Poinsett Mfg. Co., Pickens, S. C.
W. R. Curtis	Rocky Mount Exp. Sta., ASC Campus, Flagstaff, Arizona
G. L. Dickson, Jr.	Va. Div. of Forestry, Box 386, Farmville, Va.
W. B. Dozier	Box 594, Hampton, S. C.
W. J. Groah, Jr., M.W.T. '56	Madison Hall, Port Republic, Va.
G. Haney, M.S. '56	P. O. Box 3347, Charlottesville, Va.
K. T. Harrell	Route 1, Watha, N. C.
C. A. Hood	Route 8, Johnson City, Tenn.
D. W. Horton	Apt. 52-A, Glenhaven, Greenwood, S. C.
D. C. Jones	c/o Mrs. H. C. Jones, 318 Cherry St., Oxford, N. C.
J. W. Jones, Jr.	409 W. Church St., Elizabeth City, N. C.
L. A. Kilian	510 Rosewood Dr., Lexington, N. C.
J. C. Kirkman, Jr.	Jamesville, N. C.
G. N. Leinback, Jr.	Route 1, Winston-Salem, N. C.
A. L. Martin	4911 W. 1st St., Winston-Salem, N. C.
R. J. Miller	Columbia, N. C.
F. B. Monroe, Jr.	1212 1/2 Dave, Lawton, Oklahoma
W. C. Moody, Jr.	Champion Paper & Fibre Co., Box 308, Edgefield, S. C.
K. A. Pitcher, M.F. '56	Cowecta Hydraulic Lab., Route 1, Dillard, Ga.
E. J. Rayburn	Unknown
E. F. Rigouard, Jr.	235 Crestview Rd., Southern Pines, N. C.
D. W. Robinson, M.F. '56	2110 Sherrwood, Monroe, La.

W. J. Schrumpf, M.W.T. '56 Brandt Cabinet Works, Hagerstown, Md.
 E. R. Sluder Route 1, Box 224, Newland, N. C.
 E. B. Smith, Jr. Hardwood-Plywood Institute, 1012 Crescent Ave., Atlanta 9, Ga.
 W. G. Spencer 1232 Washington St., Cape May, N. J.
 J. W. Stokes Box 1045, Albemarle, N. C.
 J. G. Swift Box 265, Amburst, Va.
 J. W. Tester, Lt. 2737 Fletcher Ave., Fernandina Beach, Fla.
 J. E. Webb, Jr. Box 427, Robbinsville, N. C.

Class of 1957

S. M. Adams Route 3, Four Oaks, N. C.
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Again, to all of you and especially to the graduating Seniors, thanks and good luck.



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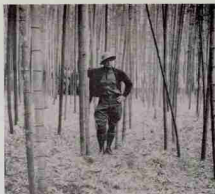
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