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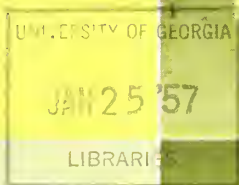


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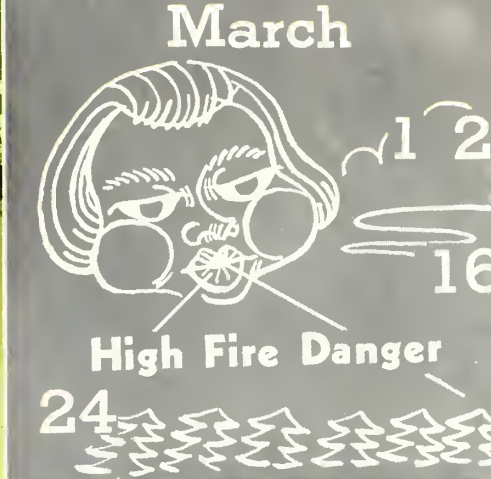
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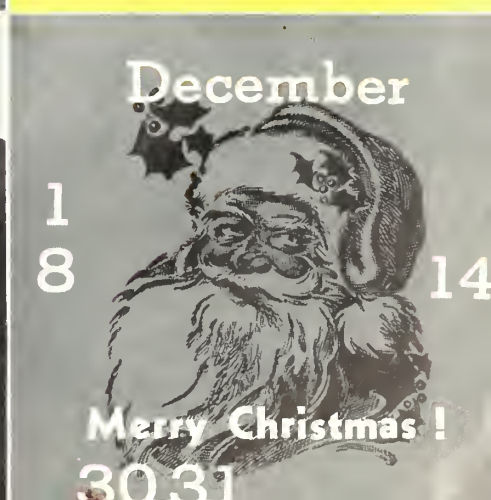
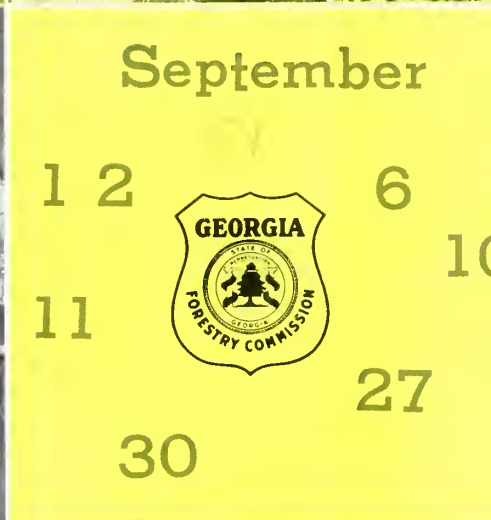
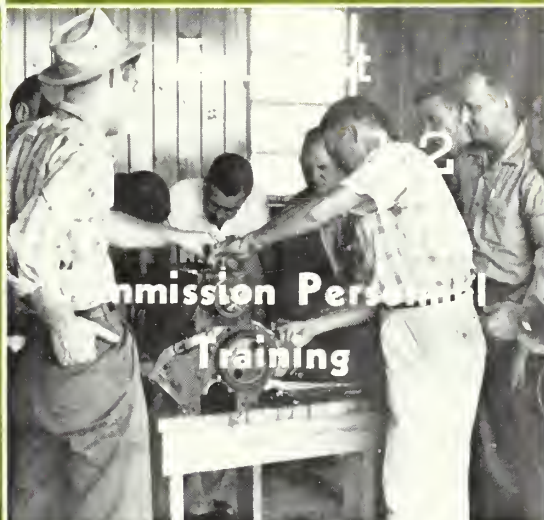
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Keep Green Week



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# Editorial

## Plant For Tomorrow Wildfires Burn Big Hole

(From the Dawson News)

Right now in Georgia the importance of planting pine seedlings for future gain is being realized as a record number of orders flood the nurseries in our state.

The Georgia Forestry Commission reports that these orders have reached an all-time high, which of course indicates that more and more farm land, much of it heretofore unused, is being converted toward pine tree farming.

This crop, which in our opinion is one of Georgia's finest, is the answer for the use of land which, because of barrenness or for other reasons, has not been converted to gainful uses, not only gives expectancy for the future, but its ranges of income makes it highly desirable.

The paper mills over the nation use vast amounts of pine, and so many other products are the result of the trees that it is not to be wondered that the smart farmer is planting more and more seedlings.

The importance of forestry in Georgia is increasing, and Director Guyton DeLoach says that he has been assured that the state will be able to furnish 200 million seedlings by next year.

The activation of the soil bank, he says, will no doubt create an even greater demand for the seedlings next year.

Terrell County landowners are becoming increasingly pine tree minded and there is scarcely a farm which does not boast of planted forests.

## In State's Forest Wealth

(From the Waycross Journal-Herald)

We are again reminded by the Georgia Forestry Commission that wildfires burn a big hole in the state's forest wealth each year.

We are also told that 95 percent of the fires which ravage Georgia forests are man caused and preventable.

One fourth of the fires that burned 798,459 acres Georgia last year were deliberately set.

The Forestry Commission gives various reasons for this needless destruction of valuable property. Some fires were set out of revenge, some were set just so some misguided person could enjoy the spectacle and some woods were burned to clear away the undergrowth.

Then, of course, many fires were set by careless camper and others who were simply indifferent or unthinking.

Whatever the reason, the fact remains that each wildfire seriously damages an important industry of our state.

Georgia forests today are supplying the raw material for a widespread industrial empire that is still growing.

Here in Southeast Georgia there is a growing awareness of the importance of the forest industry. In post-war years the paper and paper products industry has moved into this section.

Our forests are the key to our economic growth. It behooves us to give them every protection.

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## Our Cover

The advent of every new year calls for making idealistic resolutions and vowing to fulfill plans which somehow went astray during the past twelve months. Much of the conscientious head-racking usually turns out to be idle wistfulness, but there always are a few special events which manage to repeat themselves year after year. And, there're a few others that seem to squeeze themselves in too. This month's cover is concerned with the events and resolutions which the Georgia Forestry Commission pledges for itself. The artist was careful to depict only the repeaters, or those which promise to be good enough to merit remembering.





GROUP DISCUSSION ON WOOD PANELING



PAST AND PRESENT OFFICERS

# Southern Research Foresters Convene

Over sixty scientists, teachers and manufacturers ended the annual meeting of the Florida-Georgia-Alabama Section of the Forest Products Research Society in Athens last month.

A visit by national Society president Ralph H. Bescher, Pittsburgh, Pa., highlighted the meeting. Bescher scribed the objectives of the young society, whose tion-wide growth rivals that of the Georgia pine.

The Society, with headquarters in Madison, Wis., d a membership of thousands, has personnel in every ute in the nation and in Canada. Bescher called on e Southeastern members to increase their ranks, which w total 108.

Rufus Page of the Georgia Forestry Commission and S. Forest Service, Macon, was elected chairman for 57. Other new officers are Windell Vickery, Alabama, ce chairman and Ralph Peter, Athens, U.S. Forest vice, secretary.

Attending the meeting were persons from seven states, cluding Kolomon Lehotsky, head of the Clemson Colge, S.C. Forestry Department, and from two foreign untries--Falah A. Gharaibeh of Jordan and Albe Urban-ski of Belgrade, Yugoslavia.

Speakers were William Belvin, director of the Herty undation, Savannah, who discussed the increased use hardwoods through improved pulping techniques and xcesses. He said that bamboo is under study at the undation for use as a pulpwood source.

Mike Taras of Asheville, N.C., Forest Utilization-vice, discussed the weight/volume relationship of od and wood residue. Gus Jacobson, president of the derham Machine Mfg. Co., Talladega, Ala., showed lored slides of his plant and reported on developments debarking and chipping in pulpwood and particle board uduction.

Section officers decided, incidentally, to hold the spring meeting at Talladega in May.

A group discussion on wood paneling at which large samples of paneling were shown followed. Dr. R.B. Richards of Alabama Polytechnic Institute at Auburn was moderator. Carl Wheeler, general manager of the Georgia-Pacific Plywood Co., Savannah, mixed fact and humor in discussing the utilization of local hardwoods for plywood panels. Fred Bowlin, Atlanta Oak Flooring Co., spoke on uses of solid wood for interior paneling. Ralph Peter discussed treatment of low grade hardwoods for interior paneling.

Bruce Heebink, technologist of the Forest Products Laboratory, Madison, Wis., reported on developments in the use of low grade boards in the manufacture of paper overlay lumber and parquet flooring.

Ernst Brender, a project leader of forest management research at Macon, spoke at the banquet on forestry in Germany. He showed color slides taken of his home town, of scenic spots and of forestry practices in the Black Forest.

Prof. Roy Carter of N.C. State College, Raleigh, delivered the final paper--on merchandizing of chipcore and veneer. Dr. W.A. Campbell, Athens research center leader, explained his activities and led a tour of Athens forestry facilities.

Delegates saw a small building sided with paper overlay lumber, wood paneling and other projects in the Forestry School lab. At Whitehall Forest, they inspected the charcoal kiln and paper overlay lumber and fence posts on which weathering tests are being conducted.

Chairman Page said the papers presented at the meeting will be submitted to the Society's national magazine, which is published at Madison.



INSPECTION TOUR



MEMBERSHIP DISCUSSION

# Fire Compact Group Holds Second Session

Organization of the Southeastern States Forest Fire Compact Commission was virtually completed recently at the organization's second annual meeting in Atlanta.

The group cleared away the only remaining barriers in its path and inaugurated an extensive training program designed to utilize its full potential. All 10 member states agreed upon a uniform communications system and petitioned the Federal Communications System to allow member states to use their radio equipment in other participating states. They also voted to request the U.S. Forest Service to appoint a co-ordinator to help expedite operations.

## Officers Elected

Guyton DeLoach, director of the Georgia Forestry Commission, was unanimously re-elected chairman of the compact for the coming year. Fred H. Claridge, North Carolina State Forester, was re-elected vice chairman and J.H. Stauffer, Alabama State Forester, was elected secretary.

In other action, the compact administrators approved a fire-fighting manual designed to unify fire-fighting operations throughout the Southeast. The manual was drawn up in Macon by a committee headed by Claridge.

Member states of the compact are West Virginia, Virginia, Kentucky, Tennessee, Florida, Alabama, North Carolina, South Carolina, Mississippi and Georgia.



1957 SSFFCC OFFICERS--Guyton DeLoach, right, was re-elected chairman of the Southeastern States Forest Fire Compact Commission recently in Atlanta at the organization's annual meeting. Fred H. Claridge, N.C. state forester, left, was re-elected vice chairman and J.H. Stauffer, Ala. state forester, was elected secretary-treasurer.



WATCH CLOSELY--Left to right, Charles Baker, Rome, Fred Place, Newnan and Reuben Martin, Jr., Macon, take a boring of the trunk of the tree to determine its age.

## Management Men Attend Three-Day Training School

Georgia Forestry Commission forest management personnel from throughout the state attended a three-day training school in Macon last month.

Management Chief W.H. McComb said the orientation course was held to acquaint management assistants and district rangers with the latest developments in forestry science.

Commission headquarters personnel taught the school, which included classroom and field work.

"This is the first in a series of schools for management personnel," McComb said, "Future schools, which will be more detailed than this one, will be taught by specialists in the different phases of forest management."

This is the first management school to be held at the new state headquarters in Macon. Classes were held in the shop building at the Forestry Center.

Subjects studied included cutting methods, tree estimating, undesirable tree control and utilization.

Management foresters who attended include Stuart Moore, Statesboro; Wallace Binns, Camilla; Wayne Manning and Druid Preston, Newnan; W.R. Barnes, Milledgeville; F.W. Hubbard, Jr., and Charles Place, Rome; Henry Williams, Waycross; Sam Martin, Flowery Branch and John Harrison, Washington.

Management rangers attending were Elza Clifton, Statesboro; Fred Baker, Newnan; A.L. Jacobs, McRae; George Bower, Winder and W.D. Palmer, Washington.



## Hardwood Control Book Released

The Georgia Forest Research Council's third annual report made its debut recently and is rapidly attracting widespread attention.

Entitled "Controlling Undesirable Hardwoods," it was written by Laurence C. Walker of the University of Georgia School of Forestry and College Experiment Station. It is directed primarily toward technical foresters, but contains information which could benefit many landowners.

Walker explains that his report isn't the final answer to the problem of controlling the invasion of undesirable hardwoods. He emphasizes it is merely a survey of the best known methods to date for hardwood control under conditions in Georgia.

The report is prefaced by D.J. Weddell, late dean of the University of Georgia School of Forestry. In concise words, Dean Weddell spells out the reasons and needs for a hardwood control program in Georgia. "The question of controlling undesirable hardwoods," he wrote, "becomes more important as we increase the intensity of our forest management. Inferior or undesirable hardwoods have been removed from our woods for many years; but in Georgia, little experimentation has been carried on to see how best to do the job."

Walker opens his report with a lucid explanation of the historical and geographical story behind the undesirable hardwood invasion. He points out the major reasons for using control measures and distinguishes what should be controlled.

## REA Queen Leads Christmas Parade

Lovely Miss Kathryn Ruark of Bostwick, Miss National REA of 1956 and a relative of Georgia Forestry Commission Fire Control Chief H.E. Ruark, led the bevy of beauties who decorated the Tenth District entry in the Monroe Christmas parade.

Miss Ruark was joined by a classmate at Morgan County High School and four Monroe High beauties on two floats--one self-propelled and one tractor-towed. Fire suppression units, Smokey Bear himself, and two bloodhounds, who rode in style in a trailer pulled by Tenth District Investigator Tom Shelton, completed the elaborate entry.

Personnel from the district office and the Walton County Forestry Unit piloted the floats and vehicles.

Miss Ruark, who highlighted the floats from her lofty throne, numbers among her many other beauty titles Miss Walton EMC 1956, Miss Georgia REA, Missekyll Island 1956 and Miss Morgan County High 1956. She won the national REA pulchritude crown in St. Louis last summer.



QUEEN KATHRYN AND HER COURT

In her beauty court on the Monroe float were Misses Peggy Chandler and Ina Thompson of Monroe High and Bebe Malcom of Bostwick.

Adorning the other float, which stressed fire prevention with a miniature forest, were a trio of Monroe High students--Misses Judy Burke, Ann Queen and Carole Howard.  
(Cont d on Page 10)



CROWD WATCHES BEAUTIES



FIRE PREVENTION FLOAT



**THE LINE-UP**--Guyton DeLoach thanks instructor Harry Kenning for teaching first aid course. Left to right are Turner Barber, Jr., Joe Ferguson, American Red Cross, H.E. Ruark, DeLoach, Kenning and Curtis Barnes.

# Foresters Attend First Aid Course

Twenty-three foresters and three men from industry graduated from the Georgia Forestry Commission first aid instructors' course held in the Commission warehouse at Macon last month.

Director Guyton DeLoach, awarding diplomas on the final day of the week-long session, praised the men for their fine work and offered the services of the Commission to Red Cross Instructor Harry A. Kenning in case of any major disaster or emergency in the state.

Kenning, from Jacksonville, Fla., was obtained to teach the free course through the co-operation of the Macon Red Cross chapter. Kenning is Red Cross area representative in charge of first aid and water safety.

"This is the first class in a long time to graduate 100 per cent of its members," Kenning told DeLoach. "The fine record of the class certainly reflects the quality of selection of the students.

"I will consider the course a success if one life is saved or one injury is prevented," Kenning added.

Personnel from the Macon headquarters and each of the districts studied the standard Red Cross first aid instructors' course with emphasis on phases which apply to the work of the Commission.

Countless broken limbs were splinted, cuts, animal and reptile bites were treated and heat exhaustion victims were revived under Kenning's watchful eye. The men studied assignments at night and then took a final examination, which proved no obstacle.

Curtis Barnes, Commission safety officer and assistant fire control chief, planned the school. He said the graduates will teach first aid to Commission personnel in their districts and also to the public in co-operation with the local Red Cross chapters.

Graduates included Martin Stone of Graham and A.W. Pettis and Dennis Lassister of Macon, from industry.



**GETTING THE TREATMENT**--Harry Kenning demonstrates artificial respiration technique to relieve smoke prostration. Pendley Holmes is the 'victim.' Left to right are John Harcrow, Kenning, John Stokes and J.D. Beauchamp.

Commission personnel registered include Barnes, James Wynens and Turner Barber, Jr., Macon; Al Smith, Statesboro; Lamon Williams, Pulaski; Donald Stewart, Ochlochnee; Wallace Binns, Camilla; and William Watson, Tifton.

Also James Bowen, Dawson; John Osbolt, Zebulon; John Harcrow, Franklin; Alvin Wallace, Jonesboro; J.D. Beauchamp, Eastman; Hubert Billue, Milledgeville; Pendley Holmes, Rome; Eugene Dobson, Canton; Herman Scoggins, Cedartown; John Stokes, Waycross; O.J. Dean, Toccoa; James McElhannon, Jefferson; W.H. Kierbow, Gainesville, William Schultz, Washington and Leo Lorenzo, Martinez.



**THAT HURTS!**--Columbia County Ranger Leo Lorenzo, left, gives Asst. Dist. Ten Forester Bill Schultz the cure for snake bite.



# 18 Counties Approve Georgia's Burn Law

The Notification of Intention to Burn Law under Georgia's Forest Fire Regulations received widespread approval to the local option measure less than six months after it was passed by the General Assembly.

Grand juries in many other countries have given initial approval, but final passage has been delayed pending consideration by the successive panels, which will meet early this year.

The law provides that two successive local grand juries must give full approval before the law is effective in their counties. According to Atty. Gen. Eugene Cook, it was passed primarily to allow persons who plan controlled burning a chance to gain information on fire danger and weather conditions. It also helps local forestry units keep a record of outdoor fires in their area.

Under the new law, persons who plan to burn off woods, lands, marshes or other combustible materials must first notify their local forestry unit as to time and place of burning. Violators are liable to prosecution for a misdemeanor.

H.E. Ruark, fire control chief for the Commission, commended those counties who already have given full approval to the measure. He said the law will enable local forestry units to give Georgia landowners better forest fire protection.

Counties in which the notification to burn law now is in effect are Crisp, Bulloch, Effingham, Emanuel, Ben Hill, Dooley, Montgomery, Lincoln, Dade, Chat ham, Jenkins, Burke, Pulaski, Wilcox, Marion, Camden, Ware and McIntosh.

## Maps Play Vital Role Checking Wildfires

Maps play a vital role in the activities of the Georgia Forestry Commission. They serve to pinpoint and cross-check wildfires and give a concise picture of local fire-fighting installations.

According to Herbert Darley, assistant forest engineer in charge of map-making, the job of supplying individual maps for the 145 protected counties is similar to a woman's job to keep up with the latest Paris fashions.

"A fire control map can change quicker than a woman's fashion," Darley said. "I have to supply the counties with more than 145 basic maps, and each must be kept up to date. Any one of the state's 318 fire lookout towers can be located and render as many as eight county maps obsolete."

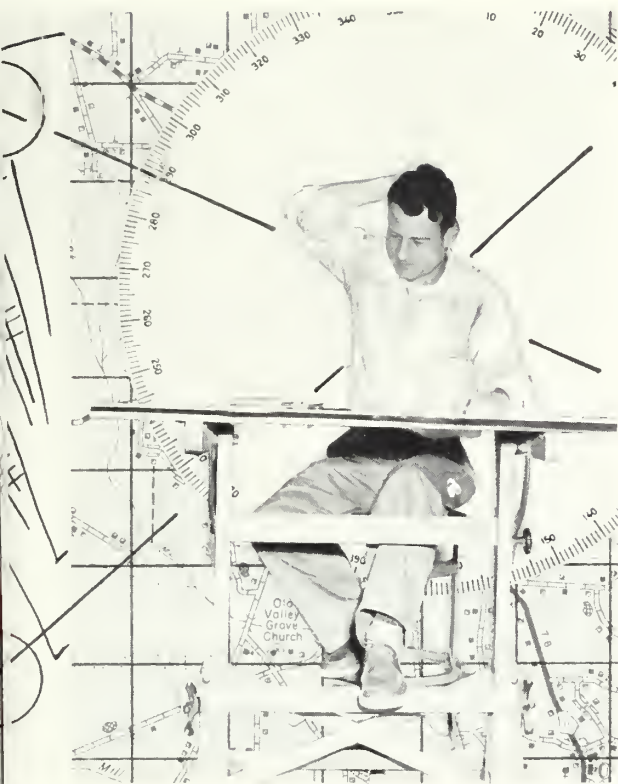
Darley lays out each map as accurately as a Christmas stocking. "If a fire breaks out in the woods," he said, "its position must be spotted quickly and accurately in order to speed up suppression. That's why locations and compass points can't be a cat's paw off." He pointed out that the slightest error can result in time loss that could allow a wildfire to get the upper hand.

Like the controversial Paris designer, Darley's maps come in several varieties and sizes. The basic

models are the half-inch to one mile or one-inch to a mile scale truck map, the one-inch scale dispatch chart and the one-inch scale fire occurrence map. As their names imply, each model serves a specific purpose--either they are used at the county headquarters for dispatching men and equipment, in trucks to help the driver locate the fire or as a gauge showing county forest fire records.

Darley is the first to admit his wares are popular. "I've been snowed under with a backlog of orders for years," he said. "At the first of the year a majority of the counties under protection were screaming for my latest model. But I've stepped up production, and now, there are only a few scattered counties whose orders haven't been filled." He was quick to point out, however, that many units which have new maps already are pressing for revisions.

The commission engineer attributes the greatest portion of his success to the remarkable growth of the Georgia Forestry Commission. He said new counties are going under protection and new towers are rising at such a rate that his maps are almost out of date before they are finished.





1. Inventors John, Otis and Tom Gooch look over their brainchild.

2. Otis Gooch and Jefferson County Agent Spud Wellborn look at Gooch's sawmill where he got the idea of constructing the shaving machine.

3. Close-up of shaving wheel showing alternate rows of shaving teeth and round depth gauges.



# Jefferson Man Invents Wood Shaving Machine

Doubters chuckled at Samuel Morse and scoffers hooted at Thomas Edison. And Jackson Countians laughed, too, at Otis Gooch of Jefferson, a mechanical-minded chicken farmer with a flair for the inventive.

Why all the mirth?

The Jackson County cynics didn't believe that Otis could construct the only wood shaving machine in the county, probably the only one in the state and maybe the only one in the world.

"It'll never run," neighbors laughingly told Otis and his sons--John, 17, and Tom, 12--who built the fabulous machine from odds and ends and about \$25 worth of new materials.

"I'll give you a dollar a shaving for every one you get from that machine," one cynic said while the machine was still a little shaver.

"You'll get more shavings if you use a paring knife," John's schoolmates at Jefferson High teased.

But the doubters ended eating their words and Georgians are eating more delicious Gooch-grown chicken--thanks to the luxuriant layer of fresh wood shavings which covers the floor of Gooch's 250-foot-long chicken house. And Otis, incidentally, has almost completed another chicken barn of similar size.

Otis, or "Ott," as his wife and friends call him, belittles his "vention," as six-year-old Janice calls it.

"There's nothing to it," he protested. "Anybody could build one."

But no one else has and one man, interested, in possible further development of the machine, recently journeyed up from Mobile, Ala., to inspect it.

The heart of the shaver is a four-foot-diameter wheel salvaged from an old saw mill steam engine. It has 14 three-inch shaving teeth. Logs are fed across the shaving wheel on a small truck on a track.

The truck, controlled by the transmission of a 1934 Ford can go backward or forward, so the logs are shaved coming and going.

"Ah, you'll never make it cut both ways," the doubters said. But Gooch ingenuity prevailed, and the wheel shaves both ways. "I know it will cut coming back," Ott said. "I've seen it do it." John tested the idea on a joiner, which will cut a board drawn back across it if pressure is applied down on the board. The teeth are also set at an angle which make the backward and forward cut possible.

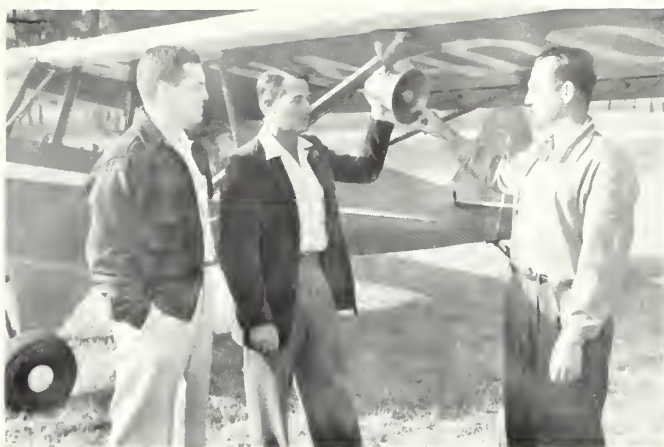
Heavy rollers press the logs against the wheel. The wheel is turned by a belt connected either to Ott's tractor or to his saw mill engine. Pulleys gear down the speed of the feed truck from that of the fast-turning mill and tractor engines.

(Cont'd on Page 10)





FIRE PATROL DISCUSSION



THE FINAL CHECK-UP

## Fire Patrol Pilots Attend Meeting

More than 30 fire patrol pilots and Georgia Forestry Commission personnel attended an all-day pilots' meeting on November 1.

The meeting was called by Fire Control Chief H.E. Turner to improve pilot-ranger co-ordination during the 1957 fire season and to standardize the air patrol program so it might operate more efficiently.

Pilots from all over Southern and Central Georgia flew to Rae, setting their bright monoplanes down on the landing strip behind the District Five office. Lined up on both sides of the taxi strip, the multi-colored planes formed a bright picture against the greenery of the surrounding forest and air field.

Chief Turner presided over the meeting and spoke on general fire patrol and safety policies. He emphasized that he had the 500-foot minimum altitude observed this year to prevent accidents. Assistant Fire Control Chief Turner Barber, Jr. discussed radio procedure, and Communications Engineer Henry Cannon explained the proper and efficient use of the planes' radios and address systems.

Commission Pilot Hank Slentz explained CAA regulations and importance of observing them. Chief Investigator Bob Gore gave tips on air-ground law enforcement co-ordination. He also explained forest fire penal laws. The filling out of various flight report forms and billing procedures was also thoroughly discussed.

Pilots and foresters asked the speaker many questions from the floor.

Attending the meeting were ten pilots, Commission headquarters personnel, personnel from offices in districts one, five and eight and rangers and their assistants from many counties which will have air patrol.



SIGNAL INSTRUCTIONS

## John W. Cooper Sees Georgia Forestry Grow Into Maturity

*Editor's Note: This is the fourth in a series of nine articles which will appear in the GEORGIA FORESTRY during the George Foster Peabody Forestry School Golden Anniversary Celebration. Each installment will be a brief biography of a Forestry School graduate. Purpose of the series is to give a cross section of the alumni and to renew old acquaintances.*

John W. Cooper, program supervisor for the U.S. Forest Service Naval Stores Conservation Program at Valdosta, has seen Georgia forestry grow into maturity during his 23-year career.

Born Jan. 9, 1911, in Athens, Cooper received his preliminary education there, graduating from Athens High

School in 1928. He graduated from the George Peabody School of Forestry in 1932.

A year later, he joined the Georgia Forestry Commission where he helped to organize Timber Protective Organizations in Hart and Stephens counties.

From 1935 to 1943, he was district ranger and supervisor of the Civilian Conservation Corps for the U.S. Forest Service in Tennessee, North Carolina and Florida. He was a lieutenant commander in the U.S. Navy from 1943 to 1945.

Following his discharge from the service, Cooper was in the wholesale lumber business in Jacksonville, Fla. A year later he rejoined the U.S. Forest Service at the Southern Forest

(Cont'd on Page 10)



JOHN W. COOPER

# Round-Up Of Ranger News

Arthur W. Hartman, Assistant Regional Forester in charge of Fire Control in the Southern Region of the U.S. Forest Service since 1943, retired in December, after a long and varied career.

Leon R. Thomas, Forest Supervisor of the Sierra National Forest, Fresno, Cal., was transferred to Atlanta to replace Hartman early this month.

Hartman, a native of Peckville, Pa., received his B.S. degree in Forestry in 1913 at Penn State, and accepted a job with the Forest Service that same year on the Natural Bridge National Forest in Virginia.

His next assignment was on the White Mountain National Forest in N.H. In 1924, he served as a forester at West Point Military Academy, and in 1917 became a Captain.

In 1926, Hartman re-entered the Forest Service in Arkansas on the Ouachita National Forest where he served as ranger, assistant forest supervisor and forest supervisor.

In 1935, he was sent to Alexandria, La., where he served as Forest Supervisor of the Kisatchie National Forest until 1936, when he became Chief of the Division of Civilian Conservation Corps in the Atlanta Regional Office. When the CCC was terminated, Hartman was appointed Chief of the Division of Fire Control, where he has served until now.

Forest Rangers from 14 counties in the Tenth District gathered at the Nixon Memorial Forest 4-H Camp recently for a meeting followed by a supper.

T.M. Strickland, president of the Richmond Chapter and County Forest Ranger, said the idea of the gathering was to give the rangers a chance to exchange ideas on how to better their individual forestry units.

The meeting was a family affair, and approximately 50 people, including adults and children, attended.



GET THE MESSAGE?--What Lincoln Countian would not heed the "Keep Lincoln County Green" message when it's tacked onto a float bedecked with a bevy of beauties?

A group of U.S. Forest Service officials recently visited the Georgia Forestry Commission headquarters, after a previous visit to the Davisboro pine seedling nursery.

E.G. Frest of Washington, D.C., led the group making the tour. The purpose of the tour was to determine whether tree seedlings' needs are expected to increase greatly under the new federal soil bank program.

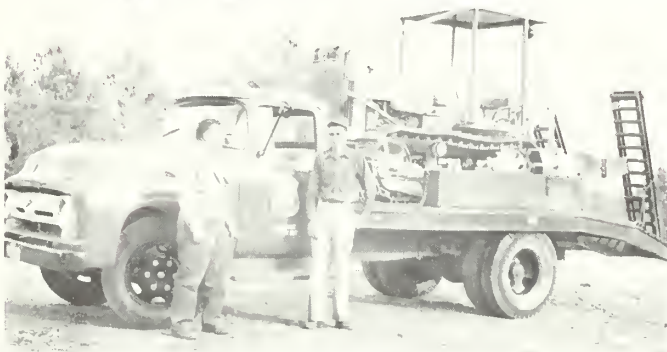
Other members of the group included Floyd Cossit, nursery technician; Arthur B. Collins, in charge of the soil bank in Forest Service Region Eight and Frank Albert, assistant regional forester.

Some 20 county agents and assistants from 12 Middle Georgia counties met with forestry specialists in Eastman recently for an all-day demonstration on how to estimate pulpwood and saw timber.

The program was mostly devoted to the subject of measuring timber before selling. Also discussed was the subject of timber scales and the Scribner scale was demonstrated and recommended.

In charge of the program was G.Y. Dukes, Athens, extension district agent for the South-Central district. Instruction was given by Dorsey Dyer, extension forester of the University of Georgia. Assisting Dyer was Nelson Brightwell and William Murray, both of Tifton, and both assistant extension foresters.

Agents attending were Jim Collier, Ben Hill; Newton Hudson, Wilcox; P.N. Nix, Crisp; M.F. Alligood, Pulaski; Williard Coley, Bleckley; DeWitt Harrell, Twiggs; Frank Shurling, Laurens; M.K. Jackson, Montgomery; Cecil Spooner, Telfair; James Stewart, Jeff Davis; and Larry Torrance, Coffee.



FIRE FIGHTING VEHICLE--Greene County Ranger Buster Moore, left, and Patrolman Walter Smith admire their new fire suppression unit, which was purchased with funds provided by the Greene County Keep Green Council, the County Commission and the Georgia Forestry Commission.



## EA Queen...

(Cont'd from Page 4)

rain threatened to disrupt the parade and several floats were faded and bedraggled from the downpour which fell for almost half an hour just before the procession started. The well-constructed Commission floats were in fine condition, however.

The forestry girls ducked into automobiles to keep their beautiful gowns and costumes dry. When the mist passed, the beauties quickly mounted their floats and went off.

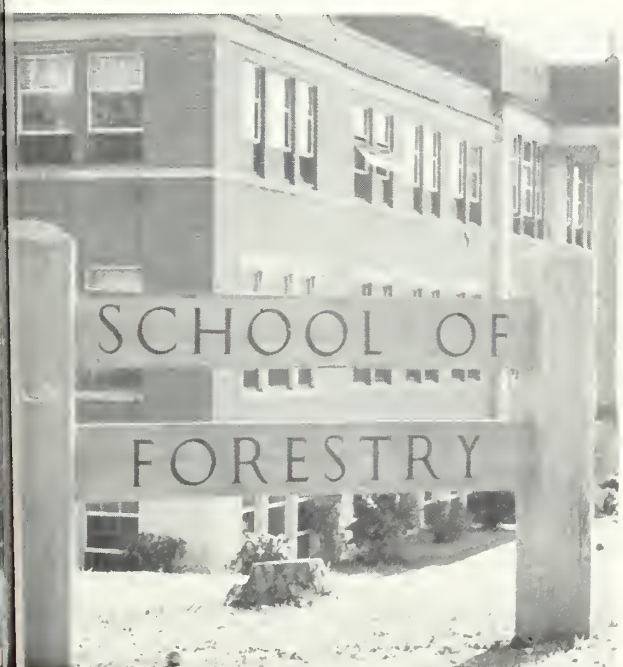
The thousands of Georgians from miles around who thronged the streets of the Walton County town welcomed Santa with an enthusiasm which neither gloomy sky nor chilled wet air could dampen.

## Wood Machine...

(Cont'd from Page 7)

Ott conceived the idea of the shaver by watching logs being cut in his saw mill. Occasionally logs would not quite fit in the saw, which would cut shavings off the ends. "Why not build a machine which would shave the logs instead of cutting them, Ott thought? So he and his sons began to work. Gooch needed the shavings, for sawdust is used in chicken house flooring.

The toughest part of the job was drilling the 201 holes in the shaving wheel--145 for the teeth and 56 for the depth gauges, which keep the logs the correct distance from the teeth. The teeth, made from bolts, had to be placed in their holes and sharpened. Each tooth depth gauge, also made from bolts, had to be measured exactly so the shaver would cut evenly.



**ANOTHER FOREST PRODUCT**--This impressive wooden sign recently erected on the lawn of the University of Georgia School of Forestry.



**KAOLIN FESTIVAL**--Smokey Bear waves to the large crowd which jammed Sandersville for the Kaolin Festival.

## Homecoming Parade Held In Washington County

Kaolin and its contributions to the prosperity of Washington County were the theme of the week-long First Annual Washington County Kaolin Festival and Sandersville Homecoming Parade in November. But Ranger Calvin Rhodes of Tennille and his county unit personnel saw to it that forestry wasn't forgotten amid the eulogies to clay.

With assistance of Georgia Forestry Commission Information and Education personnel, Rhodes erected an elaborate display in the high school gym exhibit hall which was viewed by 3,500 persons.

The theme of the exhibit was "Forestry and Science Work Hand in Hand." It demonstrated the uses of wood, insect control and fire prevention and used an automatic slide projector, which was a great attraction, Ranger Rhodes said.

Assisted by Smokey Bear (Patrolman Bob Watts, who braved 80-degree temperature to don the hot costume), Rhodes and his other assistants joined the climactic week-end parade, which featured numerous floats, Sandersville High graduates, high school bands, National Guard tanks and an address by U.S. Rep. Carl Vinson of Milledgeville.

"Smokey" Watts rode in a trailer towed by the unit jeep. Both vehicles were decorated with posters and pine boughs. Smokey threw chewing gum to the many youngsters who lined the lengthy parade route to the center of town.

## Forestry Alum. . .

(Cont'd from Page 8)

Experiment Station in New Orleans where he conducted a lumber manufacturing conversion survey. For the next two years he served as assistant chief of fire control of the USFS Regional Headquarters in Atlanta.

He was assistant forest supervisor of Mississippi National Forests from 1948 to 1955, where he was made program supervisor of the U.S. Forest Service Naval Stores Conservation Program at Valdosta, the position he now holds.

# Georgia Forestry

## January, 1957

Entered as second class matter at  
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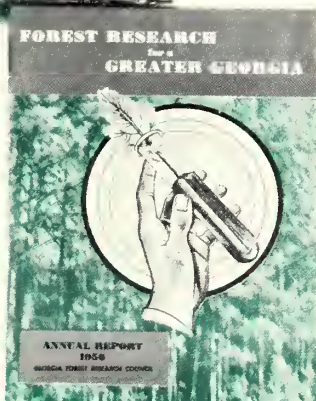
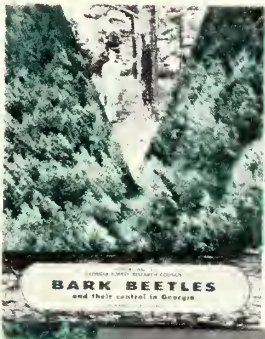
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# Editorial

## Georgia's Golden Pines

(From the Rome News-Tribune)

Our most plentiful tree is usually referred to as "yellow pine," an obvious reference to the color of the wood.

Actually, it is a yellowish gold, and from the economic standpoint, gold is the proper word.

So observes the Southern Pine Association, an organization of industry and conservation agencies devoted to expanding and protecting our forests.

Already, the worth of Southern pine reaches billions of dollars per year in sales of lumber, paper, naval stores, fertilizer and other products.

Forest products are the biggest crop in Georgia. Our state leads in production of naval stores and pulpwood and is at the top of the list in lumber production.

Despite the increase in use of forest products, the number of Southern pine trees is increasing because of the planned reforestation programs.

At present there are about 30 billion Southern pine trees in the Southern states.

And the worth of our golden pines should become greater.

According to the Southern Pine Association, a single pine tree 16 inches in diameter will yield the following:

More than 200 board feet of lumber; 12 bushels of pulp chips; about 1/20th cord of pulpwood; ten bushels of bark, which makes fertilizer, and 16 bushels of sawdust, which has various commercial uses.

Maybe pine trees aren't as beautiful in the fall as other trees whose leaves turn ablaze with color.

But we'll still go along with the proposal to call them golden pines.

## Naval Stores Can Help Farmer In Acreage Cut

(From the Atkinson County Citizen)

Reduced crop allotment prospects for next year are causing many farmers to once again think of their woodlot as a place to provide the necessities of life.

Some will consider cutting their round timber during the coming year, but those concerned with obtaining the greatest return and those interested in seeing a steady income over a period of many years will first investigate the possibilities of working their timber for Naval Stores with the newest methods which no longer result in lost jump-butts when the timber has been worked out and finally harvested.

According to John W. Cooper, Supervisor of the Naval Stores Conservation Program with headquarters at Valdosta, the timberland owner should be able to net at least 40 to 80 percent more, depending on the method of working, by salvaging the Naval Stores value in the tree before cutting it. The new bark hack and acid do not destroy any wood. The spiral gutter or Varn apron tacked to the outside of the tree with double-headed nails, which are easily removed and used on other faces, leave the face clear of all hardware and the entire length of the tree merchantable for any type of timber product. The landowner who manages his timber in this way can really think of it as another crop because it will mean annual income from year to year. In addition to this, when the final timber cut is made, he should be able to obtain even more for his stumpage than he would if he cut it round because the trees continue to grow while being worked even though at a slightly reduced rate for the working period.

If a reputable farmer really needs a large amount of money for next year, it will pay him to make a necessary loan, pay interest on the money and still be money ahead by working his timber for Naval Stores before cutting.

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## Our Cover

"Research for a Better Georgia" is the by-word for this month's cover. Through research Georgia continues to compound the value of her rapidly increasing forest area by producing better trees and by better usage of her timber and woods products.

The Georgia Forest Research Council has several major duties which include conducting research that will benefit Georgia forestry, coordinating all forest research in the state and co-operating with other private and public agencies in forest research.

The cover features several Research Council books symbolizing extensive work accomplished from long term projects.



# Tree Improvement Conference Held

Most 150 representatives of forest research and industry attended the \$3 million Georgia Center for Continuing Education recently with the fourth Southern Forest Tree Improvement Conference.

L.A. Hargreaves, Jr., assistant Forestry Commissioner, was general chairman of the conference, which featured addresses by Dr. V.L. Harper of Washington, D.C., chief of forest research for the U.S. Forest Service, and other distinguished representatives of education, research and industry.

Forrest Darby, Commission reforestation chief, presented one of the many technical papers at the two-day meeting. His subject was "The Georgia Tree Seed Certification Program."

E.G. Wiesehuegel of Norris, Tenn., chief of Forestry Investigating Branch, Div. of Forest Relations of the Tennessee Forestry Authority, was elected chairman for 1957-58; Dr. George Garin of Alabama Polytechnic Institute, Auburn, vice chairman and Gordon Condit of the Crossett Co., Crossett, Miss., was named secretary.

## Delegates Attending

Delegates from 19 states, including every Southern state from North Carolina to Texas, California, Minnesota and New Mexico, jammed one of the large conference rooms in the new building on the University of Georgia campus. Keith Dorman of the U.S. Forest Service at the Macon Forestry Center headed the program committee.

Harper praised the meeting, telling the opening session that ten years ago it would have been hard to get together so many men for a meeting like this.

Harper traced the progress of forest research, reporting that about a million dollars is spent annually on it. But he said it was a small figure compared to expenditures in other fields.



**FEATURED SPEAKER**--Chi Wu Wang, University of Florida, is shown talking with Oscar G. Traczewitz of the International Paper Co.



**GENERAL DISCUSSION**--Pictured (L to R) are Dr. V.L. Harper, Washington, D.C.; Dr. George Garin, Auburn, Ala. and E.G. Wiesehuegel, Norris, Tenn.

James Spires of Statesboro, speaking for the Southern Pulpwood Conservation Assn., said the southern pulpwood industry is undergoing unprecedented expansion.

## Plants in Operation

Fifteen plants are in operation and 11 more are planned. The South produced 19 million cords of pulpwood in 1955-60 per cent of national production, compared to only 20 per cent of U.S. output in 1931, Spires said.

Spires warned that production costs must be kept low through improved production methods so forest products may compete with other products. Continued research makes this possible, he added.

V.W. Cothren of New Orleans, a forester of the Southern Pine Assn., said southern pine is the premier wood in home construction. Enough lumber to build a million homes was produced in the South in 1956, he said. The demand for southern lumber continues, he said, despite the nationwide housing construction slump.



**WHAT'S ON THE AGENDA?**--Looking over the program are (L to R) Dr. L.A. Hargreaves, Jr., Macon; Dr. Berch Henry, Gulfport, Miss. and Keith Dorman, Macon.

# Rain Ceases First "No Burn Ban"

A long prayed-for half inch of rain Jan. 15 ended the year's first "No Burn Ban"—in the First and Eighth Congressional Districts. The ban was imposed on the bone-dry area Jan. 3 by Georgia Forestry Commission Director Guyton DeLoach after a rash of fires the previous week-end emphasized the dangerous fire conditions in the drought-plagued area.

McIntosh County in District One suffered the heaviest damage—a number of incendiary fires burned some 2,000 acres of timberland. To stop this epidemic of blazes, Chief Criminal Investigator Bob Gore led a team of investigators and bloodhounds into the area.

## Bloodhounds Used

Operating from the McIntosh Unit at Townsend, the investigators ranged over the area, probing the past week-end's fires, working with the 'hounds, whose presence aroused a great deal of interest, and erecting "no burn" posters in prominent places throughout the district.

First District Forester Bill Harper called a meeting of rangers and air patrol pilots at his Statesboro headquarters the same week to discuss the situation. Harper and Fire Control Forester Al Smith discussed the pilots' duties with the seven fliers who patrol the district's 14 counties. Eighth District Forester George Lavinder took the same precaution in his district, which, fortunately, suffered less damage.

## Investigative Policy

The McIntosh County fires gave the Commission lawmen their first large-scale opportunity to put their new investigative policy into action. Gore had announced a short time before that all incendiary fires should be investigated to see if Georgia Forest Penal laws had been violated.

This policy was carried out so promptly and thoroughly in McIntosh that the next week-end saw no fires at all of any consequence in that area.

Chief of Fire Control H.E. Ruark said credit was due largely to the presence of law enforcement personnel in the area. A constant inquiry into causes of the widely scattered blazes heightened the fire prevention concern and gained co-operation of residents in the area.

A little more than a half inch of rain fell over the area, and DeLoach felt the lifting of the ban was warranted.



CHECKING THE FIRE AREA



GORE WORKS OUT WITH DOGS



PREPARATION FOR THE HUNT





TURN-OVER IN COMMISSION PERSONNEL--Talking over their new positions are (L to R) Frank Craven, H.E. Ruark and J.C. Turner, Jr. Not pictured is Julian Reeves, new Seventh District Forester.

## Turner Succeeds Ruark; Craven To Head I & E

James C. Turner, Jr., former Chief of Information and Education for the Georgia Forestry Commission, has replaced H.E. Ruark as Chief of Fire Control. The change was effected Jan. 1.

Ruark resigned to accept a position with the National Tanker Division of Owens, Ill., Glass Company at Jacksonville, Fla. He will be in charge of the company's forest land in Florida.

Replacing Turner as Chief of Information and Education is Frank Craven, who was District Forester of the Seventh District at Rome. He will be replaced there by Julian Reeves, our Forest Management Field Assistant in charge of timber stand improvement.

Ruark joined the Commission in 1950 as Assistant Director in charge of Fire Control. He is a graduate of the University of Georgia School of Forestry. After his graduation in 1941, he entered the U.S. Army and served for four years. He was discharged with the rank of major and did forest consultant work before accepting a position with the Commission.

During Ruark's tenure as fire control chief, the Commission

made rapid strides in the field of fire suppression. Facilities were expanded in protection from 80 counties to 145 counties under organized fire control programs. A statewide emergency fire-fighting plan was initiated. An annual training school for forest rangers was established. Fire danger stations were expanded throughout the state from 18 to 101. Some 90 additional fire lookout towers were emerged. The Commission's fire-fighting equipment was increased greatly, including heavy and light tractors, emergency equipment and air patrol.

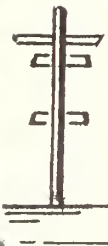
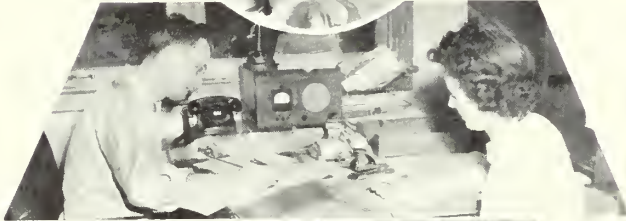
In replacing Ruark, Turner holds ample qualifications. During his nine years with the Commission he has been Assistant District Forester at Washington, Chief of Forest Management, Assistant Chief of Fire Control and Chief of Information and Education.

Craven's five-year tenure with the Commission includes positions as ranger in Burts County, Assistant District Forester at McRae, Assistant District Forester at Rome and District Forester at Rome.

During the two years Reeves has been with the Commission, he has served as Fulton County Ranger, Assistant District Forester at Newnan and Forest Management Field Assistant in charge of timber stand improvement.



# GFC Sends Problems To General Services



If a really tough problem arises within the Georgia Forest Commission, it usually winds up in Lester L. Lundy's lap.

Lundy is chief of the commission's trouble-shooting department, which aptly is entitled "General Services." And, according to him, the services his department has been called upon to render certainly are general indeed. "Don't let the high-ranking title fool you," the versatile Lundy emphasized, "some of the jobs we've done wouldn't even be considered by a private contractor."

Scratching his shock of dark brown hair, which is salted with a "general-service-chief's gray," Lundy recalled some of the problems his department has handled. "I'll never forget the time one of our rangers brought a truck to the warehouse and asked us to fix it up," he smiled. "When we went out to look at it, all we found was a motor and a chassis. The rest of it had been burned up in a fire."

"You know what?" he asked seriously, "fixing that truck took some doing—but the boys down at the shop did it. They've had plenty of experience converting trucks and other vehicles for forestry work and repairing and renovating equipment not in use."

## Construction of Dikes

Lundy said he never will forget when the Hightower Nursery was built. "We had to build dikes along the banks of the Hightower River," he mentioned casually. "We'd never done anything like that before, but we must have done a good job because they're still holding back the floodwaters."

Credit for the outstanding service really should go to the men he works with, Lundy declares. "They do all the work," he said. "All I do is handle the worrying. When we get an assignment, I figure out how it ought to be done, but they're the ones who actually do the job."

Lundy's right-hand man is Frank Bagwell, shop foreman. "He's an easy-going guy," the service chief said, "and nobody's been able to come up with a problem that's stumped him yet. It seems like they've been trying hard enough though."

Bagwell once was called on to climb to the top of the 250-foot radio antenna at the forestry headquarters, Lundy said, to replace a burned out aircraft warning signal. "He stayed up there fighting off a hoard of wasps that were nested between the struts," he added.

"He's a tall slim man, but when he came down, it looked like he'd gained 20 pounds up there. The wasps had stung his hands and face and they were all swollen, but he got the job done."

## Shop Staff Members

Other members of the shop staff are welders "Doc" Lasseter and Charles Amerson, mechanics Faye Cantrell and C.D. Betts, drivers Bill Stewart and G.K. Brinson, carpenter H.P. Varnadore and secretary Mrs. Loretta Dixon.

In addition to its trouble-shooting duties, Lundy's department also is in charge of furnishing supplies to the entire commission. The Macon warehouse maintains a constant supply of some \$100,000 worth of materials ranging from paper

(Continued on Page 10)

**GENERAL SERVICES PERSONNEL**--Shown from top to bottom are Lester L. Lundy, chief; (L to R) J.W. "Doc" Lasseter, Charles Amerson, C.D. Betts, Faye Cantrell, Bob Wynens, shop; Frank Bagwell, shop foreman; Hubert Kitchens, warehouseman and secretary Carolyn Tanner; Gene Crummey, asst. warehouseman, left, and General Services secretary Loretta Dixon, right; G.K. Brinson, driver and Bill Stewart, driver.



# Feb. 15 Proclaimed Georgia Arbor Day

Tree plantings and conservation ceremonies were held this day as thousands of Georgia youngsters observed the sixty-first anniversary of Arbor Day.

Arbor Day has been a traditional observance in Georgia since 1890, when the General Assembly decreed such an observance by all the state's schools. In 1941, the General Assembly set the third Friday in February as Arbor Day.

Gov. Marvin Griffin, who proclaims this day every year, urged every citizen of Georgia to give attention to Arbor Day by taking part in the protection, development and preservation of forestry.

Numerous schools throughout Georgia held Arbor Day celebrations Friday, Feb. 15, according to a suggested program issued by the Georgia Forestry Commission. Copies of the program were available to schools and various civic organizations through district foresters, county foresters and city rangers.

Many of the state's county forest rangers worked with school teachers, principals and superintendents in setting up Arbor Day programs. Forestry motion pictures also were available for use in schools, and special forestry demonstrations in various phases as reforestation, forest fire prevention and forest management were featured.



**PINE PLANTING**--Arbor Day was observed recently at Union Grammar School by the planting of a loblolly pine tree. Students, along with Principal Mamie Carter, look on as Bibb Ranger H.P. Stapleton breaks ground for the occasion.

Guyton DeLoach, Commission director, complimented school and civic organization leaders on the job they have done in conveying to the youth of Georgia the value of woodland areas and the part they can play in helping keep Georgia green.

He added that each Arbor Day project sponsored by a school or organization was definite evidence of the co-operation of Georgians in carrying out an effective reforestation plan,

## 500 Attend SPCA Conference

It is impossible to gauge the full impact of pulp and paper industries on the economy of the South, Lucian Whittle, president of the Southern Pulpwood Conservation Assn., said today.

Addressing some 500 association members at their annual meeting in Atlanta, Whittle estimated upwards of 600,000

persons in the 12 Southern states profit either directly or indirectly from the two major forest products industries. He judged that the 73 pulp mills which draw wood from the South are directly responsible for padding the overall economy with more than one and a half billion dollars annually.

"These mills are largely responsible for the increasing value of Southern timberland," he added, "but just how broad and far-reaching are their effect on the overall economy is impossible to determine accurately when you consider related industries." He was quick to add, however, that the unprecedented influx of related industries into the area is a strong indication of the unlimited possibilities in the foreseeable future.

Climaxing the three-day meeting, the director, also a vice president of Brunswick Pulp and Paper Co., followed a long list of distinguished speakers who discussed various phases of pulpwood industries.

Conservation was the keynote of the meeting, with special emphasis placed on wildlife and the small landowner. Frank Heyward, Jr. of Gaylord Container Corp. and K.A. Swenning of Hollingsworth & Whitney Division of Scott Paper Co. pointed out that the small, private forest landowner is the crux of the entire industry. H.A. Miller of the U.S. Fish and Wildlife Service pointed up the role industry plays in encouraging and helping to protect and perpetuate the nation's wildlife.



**L.W. WHITTLE**  
Featured Speaker

(Continued on Page 10)



THE FIRING SQUAD--Investigators make dry run with pistols at Macon training session. Pictured (L to R) are Charlie Tillman, McRae; W.H. Kierbow, Gainesville; Clyde A. Bowden, Americus; Herman Scoggin, Rome; W.E. Lee, Newnan; R.M. McCrimmon, Statesboro and Thomas E. Shelton, Washington.

## Investigators Hold Training Session

Criminal investigators of the Georgia Forestry Commission will investigate all forest fires of incendiary origin in 1957, Chief Investigator Bob Gore said after a recent training session at Macon.

With the Macon meeting, the Commission's 10 lawmen wound up an intensive training program which has prepared them for the increased work. Gore estimated the new investigations will increase their work load 25 per cent.

"Citizens throughout the state have demanded increased protection of their valuable woodlands," Gore said, "so we are taking this step to safeguard the forest products industry."

"I feel the intensified investigations will be a decided deterrent on fire setting. Persons who set the fires with malicious intent will probably think twice before they strike the first match, for local law enforcement officers as well as our investigators will make every effort to apprehend them. Persons who cause fires by their carelessness will be prosecuted just as vigorously as malicious arsonists.

At the Macon meeting, Gore introduced new investigator Louis Bradley, Jr. of Statesboro, to his fellow investigators. Bradley, Army veteran, is training with R.M. McCrimmon of Statesboro. He will eventually be assigned a district, Gore said, giving the Commission a full complement of 10 investigators.

In the past 18 months, training classes have been conducted in the field and classroom in the science of fingerprinting, both latent and rolled, collection and preservation of evidence, criminal interrogation, testifying in court, techniques of photographing, diagramming and charting crime scenes; investigation techniques and Georgia Forest Penal laws.

Other subjects have included political science, accident investigation, safety investigation, air patrol as related to forest fires, marksmanship, tracing of abandoned autos which have been stripped and burned and arson detection and investigation. Several investigators attended an arson seminar at the University of Florida last summer.

## 21 Awards Presented To Ag Extension Workers

Twenty-one outstanding Agricultural Extension Service employees were recently presented awards totaling \$10,500.

Georgia Citizens & Southern Bank President Mills B. L. gave awards of \$500 each to three state staff members and 18 county workers at a special luncheon at the Capital Club in Atlanta.

The winners were nominated by their fellow workers and selected by a final committee appointed by W.A. Sutton, director of Agricultural Extension Service. They were honored for their achievements during the 1956 Extension year ending Nov. 30.

Receiving the awards were Miss Avola Whitesell, cloth specialist; Dorsey Dyer, forester; J.R. Johnson, agronomist; Johnny P. Stowe, Polk County; Mrs. Frances McKay, Fulton County; Forrest B. Salter, Harris; J.A. Mauldin, Mitchell; W.R. Caldwell, Decatur; Mrs. Marie H. Stewart, Grady.

Mrs. Sara Allen Van Horn, Hall; J.P. Baker, Walker; A. Holland, Bartow; Allmon Carter, Wilkes; Mrs. Betty Doo Putnam; Miss Dorothy Bond, Richmond; Mrs. Lula B. Wommal Truetlen; Byron Dyer, Bulloch; L.O. Parker, Candler; M. Esther Godbee Cook; W.L. Whittle, Thomas and Harold Bro Colquitt.

Sutton explained that each county and home demonstration agent was eligible to nominate five fellow workers for awards, and that each state staff member named five workers whom he thought worthy of the recognition.

Dyer, along with Miss Whitesell and Johnson, were cited for efficiency in interpreting research results from College of Agriculture Experiment Stations and other sources, and in developing programs for speeding information to county workers and to farm families.



GRAB THAT GUN!--Chief Investigator Bob Gore takes gun from Investigator Herman Scoggin of Rome as the others observe the situation.



# Meadows Succeeds in Private Business

*Editor's Note:* This is the fifth in a series of articles which will appear in the *GEORGIA FORESTER* during the George Foster Peabody Forestry School 25th Anniversary Celebration. Each installment will contain a brief biography of a Forestry School graduate. The purpose of the series is to give a cross-section of alumni and to renew old acquaintances.

Ben Meadows took 18 years of forestry experience and applied it into a successful forestry tools and equipment company.

Meadows was born at Camp Hill, Ala., in January of 1917. He graduated from Camp Hill High School and entered Auburn University in 1934. In order to get a forestry degree, he later transferred to the University of Georgia School of Forestry. He was a member of the 1938 graduating class.



BEN MEADOWS

After completing his education, Meadows returned to Alabama where he was employed by the Alabama Department of Conservation in the Forestry Division. His tenure there was interrupted in 1945, when he was inducted into the Army. After a year tour with a guard company at Camp Gordon Dixie Barracks, he returned to the Alabama Division of Forestry.

Shortly thereafter, he resigned his position with the state agency and joined the Masonite Corporation at Laurel, Miss. There he was in charge of property management until 1951.

After leaving the Mississippi firm, he entered the consulting business and in 1952, he was appointed president and general manager of Forestry Suppliers, Inc., at Jackson, Miss. His duties included selling all types of forestry tools and equipment and serving as company consultant.

Four years later, Meadows resigned to establish his own business, the Ben Meadows Co., at 315 Pharr Rd., Atlanta. Since then, he has continued to sell forestry equipment and has been a consultant specializing in management and marketing.



TRACTOR DEMONSTRATION--Bibb County Ranger Preston Stapleton discusses the use of a tractor in forestry work.

## Bibb Boy Scouts Attend Christmas Forestry Camp

Sixth District personnel, headed by Forester Frank Eadie, gave 50 Boy Scouts from Bibb County an on-the-spot sample of Georgia Forestry Commission fire control technique at the Scout Christmas Forestry Camp at Camp Benjamin Hawkins near Byron.

The two-day camp is an annual conservation project sponsored by the Central Georgia Scout Council and the U.S. Dept. of Agriculture. It was directed this year by Scout Executive Howard Allison and Soil Conservationist W.E. Forney, both of Macon.

Eadie, Assistant District Forester Herbert Billue, Bibb County Ranger Preston Stapleton and Crawford Ranger J.H. Rigdon staged the demonstration. Eadie and Billue plowed fire breaks with the big Oliver tractor which is stationed at the Milledgeville district office.

Rigdon plowed with his jeep; Stapleton chewed up the terrain with his John Deere and then explained to the boys the uses of the vehicles and radios in fire fighting. The Scouts enjoyed Stapleton's colorful description of a ranger's duties and clambered over the units, investigating them thoroughly.

Allison said the boys also participated in tree planting, harvesting, undesirable hardwood control, insect and disease control and land usage. They spent one night at the camp and prepared all their meals. Camp Hawkins, near Byron, Ga., is located in both Peach and Crawford Counties. Forney is a member of Central Georgia Scout Council.



JEEP PLOWING--Crawford County Ranger J.H. Rigdon shows a group of boy scouts how to plow with a jeep.



# Round-Up Of Ranger News

James L. Lasseter, son of J.W. "Doc" Lasseter, is the only son of a Georgia Forestry Commission employee presently attending the George Foster Peabody School of Forestry. He entered the University of Georgia as a freshman in September.

Young Lasseter, who graduated from Perry High School last year, was an outstanding athlete, lettering in football and baseball. After much hesitation concerning a major in physical education or forestry, he gave up his sports aspirations for the latter.

The latest techniques in forestry work were demonstrated recently at a Forestry Field Day held at Murray County High School farm.

Edgar Kreis, Jr., forester for the state vocational agriculture department, led the discussions and directed the demonstrations.

Participating in the all-day workshop were representatives from Rome Kraft Paper Co., Rome; Bowaters Southern Corp., Calhoun, Tenn., local forest rangers, district foresters and members of several local agencies.

James Bowen, Terrell County forest ranger, has been transferred to Sumter County as ranger. Bowen served in Terrell for approximately three years.

Bob Holland, a native of Columbus, who has been assistant forest ranger in DeKalb County, succeeds Bowen.



SOMETHING NEW ADDED—The white fence shown above is only a part of District Forester W.C. "Cash" Harper's landscaping project to beautify the First District Office in Statesboro.



**LARGE SEEDLING SHIPMENT**--Forest Ranger Albert Mooney, left, and Fred Holloman of the state nursery at Dawsonville, look over part of a shipment of 100,000 loblolly and slash pine seedlings which Elbert County received recently. It was the largest number of seedlings ever sent to the county in one shipment.

Lamar Teate, formerly a resident of Cordele, is the first chairman of the newly-formed South Florida Forestry Conservation Assn.

At the time of his appointment, Teate was information and education forester for the Florida Forest Service with headquarters in Lakeland, a position he had held since receiving his master's degree in forestry from the University of Georgia last year.

Gilmer County FFA Chapter is convinced there is no better place to study forestry than right in the woods. In co-operation with the Trust Company of Georgia, the future farmers started a school forest program this year.

A tract of timber surrounding the county high school recently was designated for this purpose by the County Board of Education. Under the direction of Vocational Agricultural instructors Calvin Jackson and Paul Davis and Ed Kreis, state Vo-Ag forester, the youths manage the tract of timber on a commercial scale.

The boys are learning first hand the best methods of planting, thinning, harvesting, fire control, marking, marketing and other forestry activities. Expenses such as planting and fire fighting equipment will be borne by the forestry project. The remaining profit will be used by the Vocational Agricultural department for purchasing tools and other equipment.

*Remember - Only you can*  
**PREVENT WOODS FIRES!**



# Did You Know That---

only reason any wood floats is because of the vacant spaces it contains?

heaviest wood native to the United States is INKWOOD whose density is 1.04 and which weighs almost 65 pounds per cubic foot?

density of LETTERWOOD from Dutch Guiana is 1.363 when oven dry, and it weighs more than 85 pounds per cubic foot?

density of *Alstonia spatulata*, a tropical wood, ranges from 0.0394 to 0.058 and the lightest wood of this species weighs only about 2½ pounds per cubic foot?

moisture content of green wood can and often does exceed 100 percent?

## PCA Conf. . .

(Continued from Page 6)

highlighting the activities were a television workshop moderated by Jay Durham, program director of WSB-TV in Atlanta, and a radio workshop conducted by Mike MacDougald, director for WSB radio. Sample radio and television forestry programs were presented by experienced members. A live television program of association activities also was televised over WSB-TV, and the delegates watched it on television sets installed in the convention hall.

W. Sentell, president of the association, and Robert C. Brienbrock, vice president, presided over program activities. The meeting culminated with a board of directors' meeting.



PCA PRESIDENT—Presiding over the annual Southern Forestry Conservation Association is R.C. Brienbrock of Mead Corp., Chillicothe, Ohio.

## Women's Clubs Sponsor Forestry Essay Contest

The Georgia Federation of Women's Clubs is sponsoring a statewide forestry contest to help focus attention on the importance of Georgia's forests, Mrs. Chester E. Martin, State Conservation Chairman, announced this month.

"If we are to grow the timber needed to insure the future prosperity of Georgia, our school children must learn the importance of using our natural resources wisely," stated Mrs. Martin.

The title of the essay contest is "Trees Are Important to Georgia Because....". It is limited to 250 words and is open to all sixth and seventh grade children in the state. Judging will be based on originality and knowledge of the subject, and essays should be in the hands of the district conservation chairmen by February 15. Five from each district then will be sent to Mrs. Martin not later than March 1 for final judging.

There will be three prizes--\$25 for first place \$15 for second and \$10 for third, with an original drawing of Smokey the Bear going to the top winner. Prizes will be presented at the state convention of the Georgia Federation of Women's Clubs in Atlanta during April.

Two additional awards will be given in the Conservation Department," Mrs. Martin further stated, "one to the district having the greatest participation in the essay contest and the other to the club giving the best interpretation of the Conservation Department's objectives."

## General Services. . .

(Continued from Page 5)

clips to plow points. Hubert Kitchens, warehouseman, is keeper of the keys and he sees that even the remotest county unit has enough supplies to operate efficiently.

Kitchens is ably abetted by his two assistants Gene Crumme and Bob Wynens, who also is a part-time commission pilot. Warehouse secretary is Carolyn Tanner.

Of course, there are other "routine" activities, Lundy said. Hauling commission equipment from one part of the state to another is one. Items such as fire towers, tractors and hand tools make up the bulk of the hauling chores.

General services also is charged with moving in emergency field equipment and supplies during large fires, manning and caring for commission aircraft and maintaining the forestry headquarters building and grounds at the Georgia Forestry Center.

"Oh yes," Lundy added, "everybody in the department also is subject to be called in to help fight forest fires."

# Georgia Forestry

February, 1957

**SOME TO  
HARVEST NOW  
SOME TO  
GROW MORE**

The logger harvests trees for houses, furniture, paper bags, newspapers and many other items.

Because he harvests them wisely, there will be timber for your children and your grandchildren.



**CONSERVATION MEANS WISE USE**

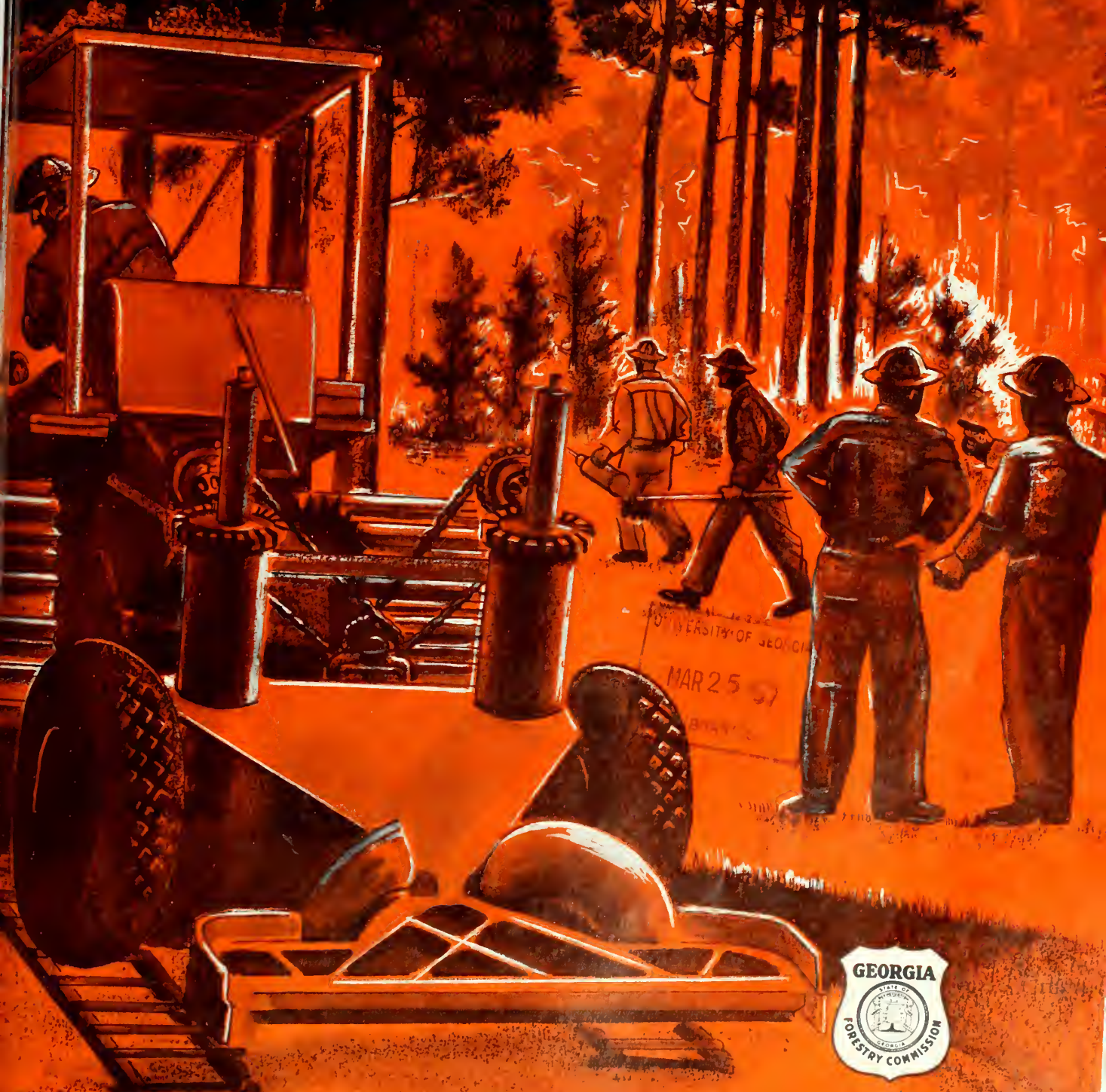
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# Georgia FORESTRY

MARCH, 1957



UNIVERSITY OF GEORGIA  
MAR 25 '57



Fire Fighters In Action



# Science Finds Use For Pine Bark

(From the Carnesville Herald)

The pine is a source of many blessings. As a producer of wealth and useful goods it has traveled a long and profitable road since the days it was considered good for lumber and gum only.

Today paper is a product of pine and so is cellulose. The list of things that science has discovered can be made from Georgia's favorite tree is staggering.

Concerning the pine, science still is inquiring. The Herty Foundation Laboratory in Savannah, pioneers in this field, now is working on pine bark, one of the tree's few remaining waste products.

Recently, the laboratory announced that the bark made fine fertilizer. Pulverized and saturated with chemical nutrients, it acts as a combination plant, food and mulch. In addition to feeding plants, the product conserves moisture, keeps down weeds, and generally seems to cut the gardener's labor in half.

Field experiments have been encouraging. So far this new pine product is for home gardeners only, but the next step is to try it on truck crops and tobacco.

There seems to be no end to by-products of the pine, and a fine thing that is for Georgia and the South.

# "No Burn Ban"

(From the Valdosta Daily Times)

The seriousness of the forest fire situation in the Fifth and Eighth congressional districts in Georgia is evidenced by the invoking of the "No Burn Ban" by Guyton DeLoach, director of the Georgia Forestry Commission. This order prohibits controlled burning of lands and the setting of camp door fires in woods, forests, marshes or other lands in the two districts.

Specifically, the order mentioned fires for woodland burning and open fires for cooking or refuse burning. It declared that back fires shall be set in any case, except under the direct supervision or with permission of a state or federal forestry officer." There is a provision, however, for emergency burning.

Investigations have indicated that some of the fires which have caused widespread damage in South Georgia may have been of incendiary origin. Officers, both state and federal, are making a careful study of the many fires that have broken out and, if the necessary evidence can be uncovered, prosecution of any and all guilty persons will be pushed to the limit.

Most of the fires in recent weeks in this part of the state have been controlled, but some have caused considerable damage to valuable timber lands.

Severe drought conditions are contributing heavily to the threat of a major fire disaster in South Georgia. Heavy frosts that have killed vegetation and high winds also are factors that contribute to the seriousness of the situation.

Invocation of the "No Burn Ban" is evidence of the fact that forestry officials are fully aware of the danger and there is no doubt that an emergency exists.

State and federal forestry officials are asking the full co-operation of all landowners and the public generally in taking every possible precaution of forest fire.

While some forest fires are caused by factors other than human carelessness, a large percentage of them are the result of human neglect and failure to exercise reasonable precautions.

## Our Cover

We are now in the midst of fire season and as the cover depicts, the fires are on. However, with the Georgia Forestry Commission firefighters and their suppression units, many valuable acres of forestland are saved.

This month's issue is devoted to fire prevention. Through the efforts of the Cooperative Forest Fire Prevention campaign, the Commission firefighters and fire conscious citizens, Georgia will become a safer and better state in which to live.

## GEORGIA FORESTRY

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March, 1957

No. 3

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\* \* \* \*

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# Formal Opening

## GFC Dedication

### Slated For Spring

Many government and business leaders are expected to be on hand this spring when the new Georgia Forestry Commission headquarters building is dedicated formally, Director Guyton DeLoach said.

Although some 75 commission personnel have occupied the building since October, the official ceremony has been delayed while workmen completed landscaping and paving of parking lots. Actual construction activities only recently were completed when the finishing touches were applied to the interior.

#### Program Planned

DeLoach said the "open house" program will include dedication speeches, guided tours of the building and refreshments. Several well-known local and state personalities will participate, he said.

According to the director, the speechmaking will take place in front of the building and commission personnel will conduct the tours. Various phases of forestry activities will be explained and demonstrated and equipment will be displayed.

#### Building Spotlighted

The building itself will be the central figure in the festivities. Covering more than 21,000 square feet, its offices are paneled in specimens of Georgia's leading commercial woods. Each room is paneled in a different species and is outfitted with new office furniture.

Constructed of brick and steel, the headquarters is completely air conditioned and centrally heated. Its facilities include working space for all main office departments, allowing forest management, information and education, reforestation and administration activities to be conducted at one central location. Previously, commission operations were divided between Atlanta and Macon.

#### New Headquarters

The new headquarters is located at Dry Branch, six miles south of Macon on Riggins Mill Road. DeLoach extended an invitation to all Georgians to attend the ceremony and look over their forestry commission facilities.

Close contact still is maintained with the capitol through an Atlanta branch office in the new Agriculture Building. Staffed with experienced personnel, it provides a headquarters for executive meetings during legislative sessions and speeds purchasing activities. Radio contact also is strengthened through the Atlanta office which provides an ideal relay point for messages going north.

Construction of the \$200,000 new center was approved by executive order when it was determined that the old facilities were inadequate for the Commission.



FORESTRY PROGRESS--Discussing the SAF meeting theme are (L to R), R.E. McArdle, Washington, D.C., G.N. Bishop, Athens, DeWitt Nelson, Sacramento, Calif. and Jim Spiers, Statesboro.

## 300 Foresters Convene For Annual SAF Meeting

Forestry leaders from throughout the nation at the recent Southeastern Section meeting of the Society of American Foresters said hard work would blaze a trail to prosperity through Southern forests.

Predicting future greatness through present endeavor and charting the past, present and future of forestry in the nation were R.E. McArdle of Washington, D.C., chief of the U.S. Forest Service; DeWitt "Swede" Nelson of Sacramento, Calif., president of the Society of American Foresters; J.C. McCaffery of Mobile, Ala., vice president of the International Paper Co.; Gordon P. Markworth of Seattle, Wash., dean of the Univ. of Washington College of Forestry and former Univ. of Georgia forestry dean; C.H. Coulter of Tallahassee, Fla., Florida state forester and Charles F. Evans of Atlanta, past SAF president.

About 300 foresters from Georgia, Alabama and Florida gathered in the lavish new \$3 million University of Georgia Center for Continuing Education at Athens for two days of technical sessions and renewal of far-flung acquaintances.

University of Georgia President O.C. Aderhold welcomed the foresters and praised the growth and contributions to forestry of the university's forestry school, which is celebrating its golden anniversary this year.

The tremendous growth of forestry in the South was hailed by all the speakers, who predicted even greater progress in the future. This expansion will depend on the efforts of those present, the speakers said.

Nelson said that in 20 years the nation would have to double its present force of 17,000 foresters if this country's forest products' requirements are to be met.

F. Herbert Robertson of Panama City, Fla., was elected 1957 chairman, Henry Wilson of Grayson, Ala., was named chairman-elect and Floyd Goggin of Auburn, Ala., was named secretary-treasurer.

Fifty years in Southern forestry was the theme of the meeting, which tied in appropriately with the University forestry school's half-century birthday.



# Smokey Presents-- The 1957 CFFP Campaign



**Thanks, Folks,  
for being  
CAREFUL!**

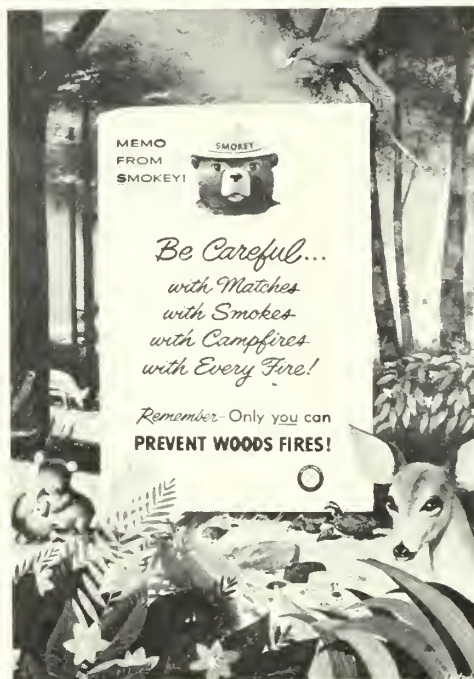
*Remember--Only you can*  
**PREVENT WOODS FIRES!**

As the 1957 Cooperative Forest Fire Prevention Campaign gets under way, Smokey Bear is again the leading figure as he pleads for public cooperation in the prevention of woods fires.

The CFFP campaign, sponsored jointly by the State Foresters and the U.S. Forest Service, is a public project of the Advertising Council. It features a great variety of publicity material including posters, newspaper ads, radio and television spot announcements, bookmarks, blotters and stamps. These are available for use in presenting the public with the 1957 fire prevention message.

The 1957 "Smokey" campaign serves as a reminder that millions of people will be traveling through wooded areas during the year, and the public's job will be to keep alert of the need for preventing costly fires.

Smokey constantly urges everyone to be careful with matches, smoke and campfires. "Remember--Only YOU can prevent forest fires."



**WITH MATCHES !**



# All-Time Fire Control Record Set

Despite a critical drought situation in South Georgia and a statewide deficiency of rainfall, the Georgia Forestry Commission last year joined hands with Georgia residents to set an all-time record in controlling forest fires.

James C. Turner Jr., the commission's fire control chief, said 74 per cent of Georgia's 145 counties now under organized fire protection lost less than one-half of one per cent of their total forest acreage in forest fires.

"In the overall breakdown," he said, "there were 51 counties that suffered only a one-fourth of one per cent loss, 49 lost from one-fourth to one-half per cent and 24 others suffered a one-half to one per cent loss. Only 11 counties had more than one per cent of their total forest acreage burned by fire."

Turner cited increasing public interest as the major reason for the success. "Timberland in Georgia is more valuable now than it ever has been," he said, "and Georgians realize the loss of every single acre takes money out of their pockets, regardless of their interests. Since woodlands and their by-products make up such a large share of the state economy,

everybody living in Georgia is affected by every fire that destroys timber."

He emphasized it would be impossible to protect the state's 24 million forest acres without the close co-operation of every state resident.

"This outstanding record reflects the interest and concern Georgians have for their woodlands more than it does the efficiency of the commission," Turner said. He was quick to add, however, that the job of controlling forest fires is never done. "We can't rest on our past records," he said. "A single match could destroy millions of dollars worth of timber in a short time. We must continue to be alert."

In setting the new mark, Turner said the 1955 record of one-half of one per cent burned was more than cut in half. "Our ultimate aim," he said, "is to erase completely the loss of any forest acres to fire. Since people are responsible for about 98 per cent of all wildfires, the job rests in their hands. It's their job to prevent them, and it's our job to put them out. Therefore, it seems the best answer to Georgia's forest fire problem is to prevent fires before they start."

## Bill Muns Scales Lofty Radio Tower

When Bill Muns of Thomson joined the McDuffie-Warren Forestry Unit of the Georgia Forestry Commission back in 1952, he thought he might have to climb an occasional tree in line of duty.

But Muns, who's now assistant ranger of the unit, didn't dream he'd be clambering up and down the Commission's Tenth District lofty radio tower to adjust the antenna and improve reception.

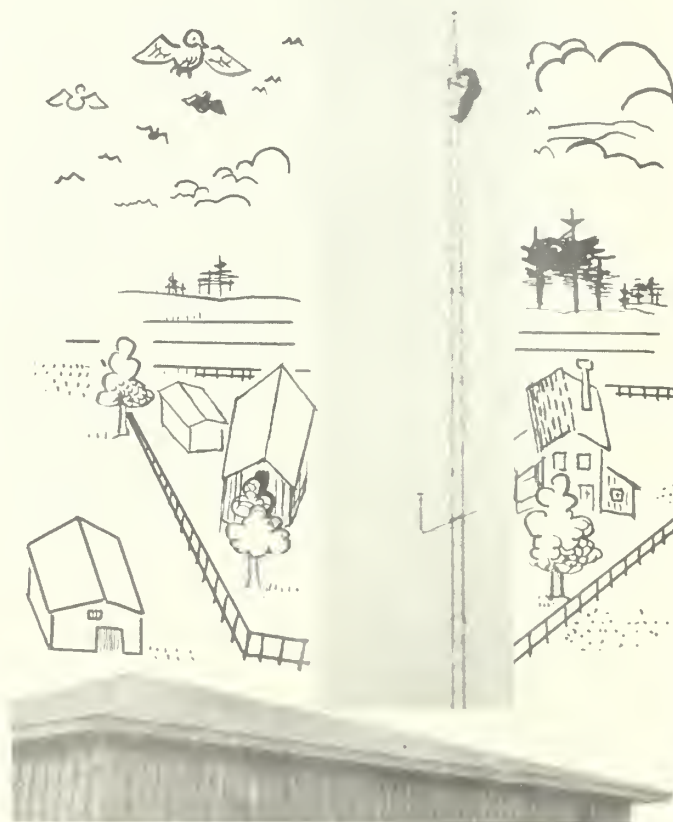
However, that's what he's doing now, averaging about two round trips a month up and down the 125-foot tower which stands behind the district office in Washington.

Muns volunteered for the higher echelon work late last year when his boss, McDuffie-Warren Ranger John Looney, who preceded him as district steeple jack, came down with a back ailment and had to stop his aerial work.

The altitude doesn't bother him too much, Muns said, as he's used to viewing the Georgia countryside from the Commission's 100-foot fire towers.

The strain of pulling himself up the tower, which climbs like a ladder, does make itself felt in his weary arms, he says. And the cold winds quickly chill his hands while he works. The delicate nature of his antenna adjustments requires him to doff his gloves. He wears them while he climbs, however.

Once Muns gets to the top, he secures himself to the tower with his lineman's safety belt and starts adjusting. The position of the antenna has to be shifted from time to time to improve reception.



GETTING A BIRD'S EYE VIEW OF THE SITUATION

Muns works under, or rather above, the watchful eye of Commission Communications Chief H.H. Cannon of Waycross and Tenth District Radio Technician Albert Young of Washington when he goes aloft.



"Here's where our firebreaks stopped it," Union Bag forester Roy Riddick tells Chatham County Ranger Ernest Edwards on Union Bag property.



Salvage of pulpwood on burned area still goes on.

Many of Chatham County's most valuable woodland acres lie today like a flame-scarred giant prostrated by the searing heat of last April's "project" fire.

The pain from the 15,700-acre fire is gone. Gone, too, is a Forestry Commission contract pilot, who died in the line of duty when his plane crashed on air patrol over the fire.

But the scars and memories of the costly fire remain to haunt state and private foresters for decades to come. For these men, who risked their lives for three days to curb the monstrous wind-driven blaze, must salvage what fire-damaged timber they can and then replant the proud pines which the flames destroyed.

Many hundreds of thousands of dollars worth of irre-

placeable timber went up in smoke. Much valuable wildlife was killed and its habitat destroyed. Reforestation will cost thousands upon thousands of dollars more.

The heaviest losses were suffered by Atlantic Creosoting Union Bag-Camp Paper, Remer Lane and Gair Woodlands some of whom have already embarked upon vigorous reforestation programs designed to put the once-lush woodlands back into production.

Gair, which lost over 400 acres, clear cut all its flame ravaged property and then bulldozed, harrowed and replanted its property with thousands of pine seedlings. The seedlings have already taken root and appear to be thriving.

Union Bag lost 6,000 acres. It has done no large scale replanting yet, as company foresters are awaiting the re-

## Flame- From C



# red Woods Remain ham County Fire



All that remains of fire patrol plane.



Chatham Ranger Ernest Edwards inspects seedling on Gair property.



Union Bag "Monster" replants burned area.

sults of direct seeding experiments conducted on company property in other parts of the state. Such a large area was burned that company officials feel that a method of mass seeding will have to be found.

Aerial seeding has been considered, but animals and birds find the pine seeds most appetizing. A satisfactory wildlife repellent is being sought.

Union Bag is conducting one planting experiment in the burned area. Company foresters are testing a rough planter in the burned areas. It consists of a planter towed by a heavy tractor.

Affectionately known as "The Monster" to all foresters in the Savannah area, it has been lumbering through the woods for several months. Company officials had made no decision at press time on adopting the machine.

Union Bag was able to salvage much timber from the burned areas by cutting at once, Supervisor Ike Kennedy of Pooler said. However, the greatest, and irreplaceable losses, were those suffered when the young pines which were too small to salvage, burned up, Union Forester Roy Riddick of Savannah said.

Chatham County Forestry Commission Ranger Ernest Edwards said there is much more prescribed burning being carried out this season to eliminate fuel on the forest floor and decrease possibilities of another fire.

"We just hope there'll be less wind, more rain and lots more human consciousness of fire prevention," Edwards said. "If we could get enough of all three, project fires in Chatham County would be a thing of the past."





CHARCOAL VILLAGE OFFERS FOOD FOR THOUGHT

## Two Georgians Make Charcoal From Unwanted Hardwoods

Georgians are literally sinking their teeth into one of the state's toughest forestry problems. Their fondness for charcoal-broiled steak is helping to solve the mounting dilemma of what to do with the more than eight million acres of scrub hardwoods which slowly are edging into Georgia's valuable timber stands.

L.W. High and Charles Cowart of Leary, Ga., were quick to realize the growing popularity of do-it-yourself beefsteaks offered a fair-size profit from the supposedly worthless trees. Last summer they decided to try their hand at making charcoal from the unwanted hardwoods, and the venture proved an immediate success.

Cowart and High now have the largest bulk charcoal business in Georgia. Although their market is fairly limited at present, most of their product is consumed by amateur outdoor chefs. Cowart, who supervises the operation, says he is optimistic about the future because outdoor cooking is rapidly gaining appeal.

The two men have built a little village of kilns near Williamsburg. The ten cinderblock buildings have a capacity of 12 cords each, but only 10 cords of wood are used under present operations. According to Cowart, a single charge of 10 cords of mixed green hardwoods yields from four to

four and a half tons of charcoal. He said current output is about 17 tons a week. All-out production could yield about 40 tons weekly.

Cowart said the kilns require five days to change the wood into charcoal, and an additional five days must be allowed for the charcoal to cool enough to be removed. The kilns are loaded by hand directly from a truck. An old tire casing is used to fire the wood, and the charcoal is removed by shoveling it into a conveyor belt which dumps it into a wagon. When the wagon is loaded, it is hauled by tractor to a packing shed where the lumps are screened through a rotating wire mesh. The process is completed when a conveyor dumps the lumps into individual bags.

Rufus Page, technologist with the Forest Utilization Service and Ralph Peter, technologist with the Athens-Macon Research Center, recently visited the kiln operation and discussed its future possibilities. They said Cowart indicated he would prefer to sell the charcoal by car or truckload lots rather than bagged, if a market were available and the price right.

"Apparently he isn't interested in building a briquetting plant," Page said, "but he would consider building more

(Continued on Page 10)



# Circular Versus Sash-Gang Mills

(By Rufus Page, Forest Utilization Specialist)

Is the conventional circular sawmill on the way out? Many persons, including some mill operators, believe this to be the case. Countless millions of feet of lumber have been produced by circular mills in Georgia during the past few decades and they have provided a substantial part of the income in this state. But the picture has changed appreciably in the past twenty years, and a number of factors indicate that the cost of manufacturing lumber by circular mills may become prohibitive.

Among these factors are: (1) the increased cost of labor, (2) a greatly diminished supply of large, clear timber, (3) reluctance or inability of sawyers to saw for grade, (4) the small volume of timber in stands large enough to market, (5) the greatly increased cost of machinery, rolling stock, fuel, taxes and miscellaneous overhead and (6) keener competition for merchantable timber and pulpwood.

Apparently these factors are now an established part of the timber economy and are here to stay. On the other hand, it seems feasible to assume that lumber will continue to be the mainstay of the building industry and that the demand for it will increase rather than remain static. What is the answer to the sixty-four dollar question, "Is it possible to manufacture lumber profitably by other methods?" Many informed persons believe the answer is yes, and that the most promising of these methods is a sash-gang mill operation.

Early in 1955, M.C. Jones, Jones Lumber Company, Milan, Ga., switched from a circular to a sash-gang operation. He operated two circular mills on the same property and replaced these with a single sash-gang mill. A comparison between the two setups is interesting.

	Two circular mills	One sash-gang mill
Average daily output in board-feet	18,000	27,000
Number of men required to operate sawmills	18	6
Number of men employed at green chain	11	4
Number of additional men required to operate resaw	2	0
Total number of men required to saw, resaw, and sort for stacking	31	10
Production <u>per man-day</u> , sawing only in board-feet	1,000	4,500
Production <u>per man-day</u> , sawing and sorting in board-feet	584	2,700

These figures show Jones can now produce almost five times more lumber per man-day than he could with the conventional circular mill operation. In commenting on these figures, Jones said a careful analysis of both operations indicated he was losing three dollars on every thousand feet of lumber cut by his circular mills, a loss which had to be absorbed by the planer-mill operation. But now, with the sash-gang mill, he is consistently realizing a profit.

(Continued on Page 10)



NELSON B. BLOCKER

## Blocker Succeeds As Forest Consultant

*Editor's Note: This is the sixth in a series of nine articles which will appear in the GEORGIA FORESTRY during the George Foster Peabody Forestry School Golden Anniversary Celebration. Each installment will be a brief biography of a Forestry School graduate. Purpose of the series is to give a cross-section of the alumni and to renew old acquaintances.*

Nelson B. Blocker collected 13 years of practical forestry experience and invested them in a partnership in a successful forest consultant business.

A native of Birmingham, Ala., Blocker was educated in public schools at Ontario, Canada; Atlanta and Decatur, Ga. and Tampa, Fla. He received his BS degree in forestry from the University of Georgia School of Forestry in 1937.

From 1937 to 1942, he was with the Florida Forest Service as district forester and assistant state forester, fire control. He entered the U.S. Army in 1942 and served 37 months in the Middle East, France and Germany in an anti-aircraft division. He was discharged in 1946 as a lieutenant, and for the next four years, he was forester for a private forestry concern.

In 1950, he became a partner in Southeastern Foresters, a private forest consultant firm, at Jacksonville Beach, Fla. He and his partner, D. Eric Bradshaw, offer advice on forest management, timber sales, estimates and appraisals and growth and yield studies.

Blocker is the present chairman of the Florida Chapter of the Society of American Foresters.

# Round-Up Of Ranger News

The Union Bag-Camp Paper Corp. recently announced six cash grants for forestry study. Three will be in scholarships and three in fellowships.

Scholarships are open to high school graduates of excellent scholastic rating who are interested in forestry. They pay up to \$1,000 a year and are renewable for four years as long as the required scholastic rating is maintained. Winners may choose any accredited forestry school in the Eastern part of the U.S.

Two of the scholarships will go to members of the Future Farmers of America and 4-H Clubs and the third will go to a Georgia resident, not necessarily affiliated with either of the two clubs.

Two of the fellowships--one for Yale University and one for Duke University--are offered for advance study in forestry to outstanding students, two of whom must have received a bachelor's degree. All three fellowships must lead to a master's degree in forestry.

Application deadline for a scholarship is March 15 and the fellowship application deadline is March 1.

Ever since the Foresters' First Aid Training course held in Macon in December, the Tenth District Forestry headquarters has taken steps to train all ground personnel in the district in first aid.

For nine consecutive weeks Columbia County Ranger Leo Lorenzo will be instructing all ground personnel from Richmond, McDuffie-Warren, Columbia and Lincoln Counties. Asst. District Forester Bill Schultz is teaching the course to personnel from Elbert, Madison, Oglethorpe, Clarke and Morgan-Walton Counties.

Since Feb. 7, all tenth district office and Wilkes County personnel have been taking the first aid course every Thursday night for two hours. Schultz is also instructing this group.



**FUTURE FOREST**--Shown above is an example of many truckloads of seedlings shipped from the Commission nurseries. This truck contains 800,000 slash pine seedlings being shipped from Davisboro to Herty.



**A BORING LESSON**--Armand Cote, center, asst. dis. forester at Rome, demonstrates use of an increment borer to members of the Smyrna High School Fire Wardens Club. Tom Holmes, Cobb county ranger, left, set up the demonstration and followed Cote through the pines.

Dr. William A. Campbell of the Athens-Macon Forest Research Center has been awarded a certificate of merit for outstanding service. Joseph F. Pechanec, director of Southeastern Forest Experiment Station in Asheville, N.C., announced Campbell was honored for "unusual accomplishments toward solving the littleleaf disease problem and other important forest tree disease problems, and for outstanding skill in developing a strong forest research program in the Southern Piedmont."

Dr. Campbell has been with the U.S. Dept. of Agriculture since 1936 and with the Forest Service since 1954. He is author of some 57 technical publications on forest diseases and problems.

S.D. Allen of the S.A. Allen Pulpwood Dealers in Savannah was recently elected president of the Southern Pulpwood Dealers Assn. held at the Dinkler Plaza Hotel in Atlanta. He succeeds Leo Mooradian of Hapeville.

The SPDA is a trade association made up of pulpwood suppliers throughout the Southeast. Eight states were represented at this annual meeting.

The Clarke-Oconee Forestry Unit has announced plans for construction of a new building in Athens. It is located on College Station Drive beyond the University Dairy.

The Unit now has its offices in the George Foster Peck School of Forestry building on the University campus.

Verla T. Smith, Clarke-Oconee ranger, estimated the cost of the building will be somewhere between \$8,000 and \$9,000.

Smith said the new site will provide for better and more coverage of fires in the area. It also will provide for adequate storage space for both vehicles and supplies.

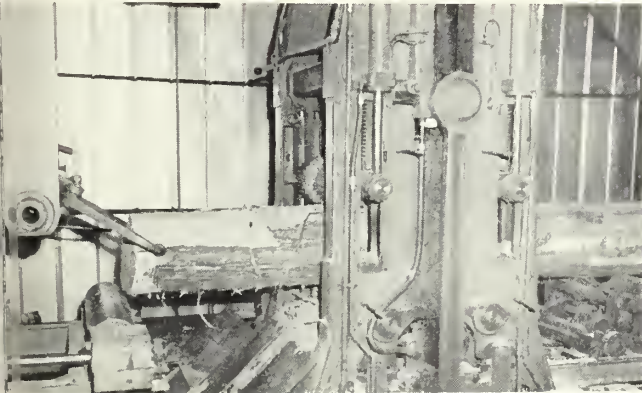


# Circular Mills. . .

(Continued from Page 8)

A factor of major importance between the two methods of producing lumber is the difference in overrun. Based on the Ribner log scale by which Jones Lumber Company purchases most of its logs, the overrun with the circular head saws averaged between seven and eight per cent, while the present overrun with the gang saw is between 30 and 33 per cent. The disadvantage of the sash-gang operation is that select lumber grades amount to only about eight per cent, as compared to 12 to 15 per cent from the circular mill operation. However, the majority of logs purchased by this mill are not more than 10 to 12 inches in diameter at the small end, and the amount of grade that could be cut from these logs is more than offset by the increased yield of lumber cut on the sash-gang with a narrower saw kerf.

Sawmilling was once a lucrative business, but with the rising of cheap stumpage, cheap labor, and cheap equipment, the chances of making a profit by sawmilling are far less than a decade ago. Stepped-up production with less waste seems to be the best answer. Sawmill men planning to stay in business will find it worthwhile to check their present costs as compared to those of a sash-gang mill.



**INCREASED PRODUCTION**--This Esterer Sash-Gang Saw has increased production per man-day from 584 to 2700 board-feet.

# Charcoal Kiln. . .

(Continued from Page 7)

as if he got a contract to supply a commercial firm with charcoal."

Cowart and High utilize low-grade hardwoods which have been invading their valuable 7,000-acre tract of pines. They've found a profitable solution to their hardwood problem," Page said, "by capitalizing on Georgia's appetite for a good charcoal-broiled steak.

"It's too much to hope that this is the answer to Georgia's hardwood invasion problem," he said, "because it'd take a pretty big appetite to eat all the steaks that could be cooked from the scrub hardwoods we now have. They keep springing faster than they can be consumed too. But, since there's a good market for commercial charcoal in the state, at least this is a step in the right direction."



**SMOKEY WHIRLYBIRD**--James C. Turner Jr., right, the Forestry Commission's new fire control chief, discusses operation of the state agency's new helicopter with R.W. Conway. Conway delivered the wingless aircraft and currently is teaching commission pilots how to fly it. The whirlybird was purchased jointly by the commission and Civil Defense organization. It will be used by foresters for fire control and management duties and will be available to the defense unit in case of state or national emergencies.

## AFPI Sponsors National 4-H Forestry Awards

For the tenth consecutive year the American Forest Products Industries is sponsoring the National 4-H Forestry Awards program.

The AFPI provides awards for both county and state winners and twelve trips to the 4-H Congress for national winners. 4-H boys and girls enrolled during the current year in a 4-H forestry project or activity may participate in accordance with the requirements of the State Extension Service.

Participants must have passed their 14th birthday and must not have passed their 21st birthday on January 1 of this year, and must have completed at least three years of 4-H Club work including the current year.

Purpose of the program is to help 4-H boys and girls to develop leadership talents and to work toward achieving the broad objectives of character and effective citizenship, to develop desirable attitudes toward the need and importance of conserving our forest resources in relation to the public welfare, to appreciate the importance of the farm woodland as a source of income and as a source of raw material for the industries of America, to acquire information and an understanding of good forestry practices and skill in executing them, to learn how to manage woodlands for continuous production of forest crops, to understand the importance of keeping America green by preventing forest fires and to develop leadership in forestry by demonstrating to others better practices in growing, protecting and utilizing farm timber.

Full information about the regulations, records required and the final date may be obtained from local leaders or the County Extension Office.

# Georgia Forestry

March, 1957

**DO YOU  
HAVE MONEY  
TO BURN?**



Trees mean income for farmers,  
jobs for industrial workers, taxes for  
schools and roads and wood for thousands  
of items we need every day.

**Be careful with Fires in the woods**

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# Georgia

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# FORESTRY

APRIL, 1957



# Editorial

## Help Prevent Fires

(From the Atlanta Journal)

Georgia has a total of 24,000,000 acres of forestlands. Of that the state can be proud, for timber is one of its richest resources.

But certainly there is no reason for pride in the number of forest fires Georgia has each year--and the carelessness that sets them off.

The record points accusingly to approximately 10,000 fires a year, often with an annual burn-over of 300,000 to 400,000 acres.

That's a shameful and wanton loss--all too often caused by the man who suffers the most, the farmer.

Debris burning is the cause of most Georgia forest fires. Spring is the time of greatest danger--a time when the land-owner should be watchful and alert. Debris fires frequently get out of hand with astonishing quickness.

Recently in the Waycross area, a no-fire order was in effect during the dry spell. Fire loss was reduced by 50 per cent. That shows what happens when landowners give full cooperation to a fire precaution program.

It proves that solution of a vexing problem is largely in the hands of the man who owns the land.

## New Progress Seen In State Forestry

(From the Waycross Journal-Herald)

"Georgia's largest and most valuable natural resource is her 24 million acres of forestlands."

So says the introduction to a publication called "Highlights of the Annual Report of the Georgia Forestry Commission."

We in this section of the state have a major stake in the progress of the forest industry and the report of the Commission is therefore of particular interest to us.

Forest products and related industries, says the Commission account for more than \$750 million a year of the state's total annual economy.

Some 200,000 Georgians are directly employed in forestry and the more than 3,000 wood-using industries throughout the state.

Georgia leads the South in pulpwood production, harvesting in excess of three million cords annually. South Georgia--our own area--is the world's naval stores capital.

And, happily, Georgia leads the nation in amount of private and state forestland under organized fire control with 22,499,300 acres under the protection of county forestry units in 145 of the state's 159 counties.

Says Guyton DeLoach, former Ware countyman who is director of the Georgia Forestry Commission:

"Despite its adolescence, Georgia forestry holds great expectations. Proper guidance through continued research, adequate protection, proper management and efficient education will enable it to mature and return handsome dividends for investments in the future."

Georgia's future in forestry, as Director DeLoach so well stated, is boundless. Good stewardship of our resources will pay off in abundance in the years ahead.

### GEORGIA FORESTRY

Vol. 10

March, 1957

No. 3

Published Monthly by the  
GEORGIA FORESTRY COMMISSION  
Box 1183

Macon, Georgia  
Guyton DeLoach, Director

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Georgia Forestry is entered as second class matter at the Post Office under the Act of August 24, 1912. Member of the Georgia Press Association.

\* \* \* \*

EDITOR	Frank Craven
STAFF ARTIST	Dan Voss
ASSOCIATE EDITORS	Bill Kellam, Joe Kovach, Jeanette Jackson

\* \* \* \*

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## This Month's Cover

On this month's cover there is no tag line. The title "Georgia Forestry" is caption enough for the cover which depicts in gala fashion some of the representative activities of the Georgia Forestry Commission. Ranger, executive, helicopter operator, switchboard operator, nurseryman and investigator each have their spot in our hearts and on the cover as we pay tribute to the formal dedication of our new headquarters building and the rededication of the entire Commission to do a greater job in forestry.

Incidentally, any resemblance to persons, living or dead, is purely a coincidence.



# 101 Acres

## Initial Tree Crop Planted At Page

Planting of the initial seedling crop, worth at least \$400,000, completed recently at the new Page Memorial Nursery at Reidsville.

Production of the \$350,000 nursery is expected to hit 101 million seedlings, which will have a sale value of over \$1,000,000, Forestry Commission Director Guyton DeLoach said.

The new nursery's output is expected to swell production at the Commission's five nurseries to a record-breaking 100 million seedlings this year, barring adverse weather.

Increased reforestation interests by Georgia landowners and the Soil Bank planting should quickly absorb the 1957 crop, DeLoach said.

Construction of the nursery, named in honor of former Georgia Forestry Commissioner Matthew W. Page who lost his life while serving on the Commission, was started last October, Reforestation Chief Sanford Darby said. The 101-acre tree nursery was completed just before planting in late February.

Construction of the nursery involved the laying out and preparation of 101 acres of seedbeds, and the erection of 100 buildings and three residences. Nursery Supt. McManis Neal, Asst. Supt. M.C. Coleman and Reforestation Chief Donald Jones will live at the nursery.

Fifty residents of the Reidsville area work at the nursery along with 16 laborers from Reidsville State Prison who are assigned full-time at Page. The men will receive on the job training, as all of them are newcomers to nursery work.



**DIG DEEP--**Workers go deep for water, which is just as valuable as oil at Page.

A 957-foot-deep 14-inch well was sunk at the nursery to provide water for the sprinkler system, which required some 24 miles of underground pipe. The 1,800-gallons-per-minute water supply insures steady growth and high-quality seedlings, Darby said. A four-million-capacity-seedling holding shed will be erected soon to provide storage space for stock awaiting shipment.

*(Continued on Page 8)*



**TOUCH HERE...THERE--**W.C. Neal puts finishing touches on the sign proclaiming nursery's opening.



**DON'T GET TOO CLOSE!--**Seedlings will burst through these planted and mulched beds any minute now.

## Forestry School Appoints Dean

Dr. Allyn M. Herrick, a native of Syracuse, N.Y., has recently been appointed dean of the George Foster Peabody School of Forestry. Dr. Herrick succeeds the late Dean D.J. Weddell.

Coming to the University of Georgia from Purdue University where he was professor of forestry, Dr. Herrick will assume his duties as dean July 1. Until then, Prof. B.F. Grant will be acting dean.

Dr. Herrick holds degrees from the New York State University College of Forestry and from the University of Michigan. He taught at the University of Georgia more than 20 years ago and has been on the faculty at Purdue since 1937.

Currently Dr. Herrick is vice chairman of the Central States Section, Society of American Foresters. During 1946-47, he was National President of Xi Sigma Pi, professional forestry honorary fraternity. He is an Episcopalian and a member of Phi Gamma Delta social fraternity.

As the author of many technical bulletins and journal articles, the new dean also has contributed to two books on forest economics and management. He is nationally known in forestry circles for his introduction of the quality index concept which has enabled much research in forest management and has greatly facilitated the appraisal of standing timber.

## State To Observe Keep Green Week

Georgians once again have been called upon to observe a special week in which the increasing importance to the state and its vast acres of forestlands will be highlighted.

The week of April 7-13 has been set aside as "Keep Georgia Green" week and calls for statewide participation in the week's festivities, according to Kirk Sutlive, chairman of the Keep Green committee.

Guyton DeLoach, Georgia Forestry Commission director, said rangers in each of the 145 counties under organized fire protection will cooperate in organizing or presenting materials for the Keep Green program.

In many communities, newspapers will print special forestry editions, and Keep Green programs are being planned by radio stations. Forestry parades and dedication ceremonies also are being planned.

In order to create more public interest, a special Keep Georgia Green county contest will be held. Every county under organized protection is eligible to enter.

A district winner will be selected in each of the ten districts on "general performance" of the county forestry unit. Factors counting high on this will be I & E work on public education and public relations. Overall forest fire protection and general forestry programs, participation and cooperation of local citizens will be particularly noted.

Each of the 145 protected counties are eligible to enter a contestant in the "Miss Georgia Green Queen Contest." Judging will take place May 2 at the Dinkler Plaza Hotel in Atlanta. The queen will reign over all forestry activities for one year as the official representative of Georgia Forestry.



ATTENTION!--Hundreds of signs similar to the one pictured above dot Georgia highways urging auto drivers and sightseers to be especially careful during fire season.

"The Keep Georgia Green program is one of our greatest weapons for use in forest fire prevention," Sutlive stated. "Public opinion and support are necessary if we are to reduce our forest fire loss to a minimum. We have made great progress but we still have a long way to go."





**PRETTY SOLON**--Mrs. Iris Blitch, Eighth District Congresswoman, introduces Asst. U.S. Secretary of Agriculture Ervin L. Peterson at the Southern Forestry Conference in Atlanta.



**PREPARED TO ADVANCE**--Gov. Marvin Griffin outlined the progress of forestry and conservation in Georgia, attributing it to "development of God-given resources" by Georgians.

## Foresters Attend Annual Meeting Of Forest Farmers Association

If Georgia's progress can be attributed to any one thing, it is to the vision of her citizens in developing their God-given resources. That observation was made last month in Atlanta by Gov. Marvin Griffin at the annual Southern Forestry Conference of the Forest Farmers Assn.

Addressing some 500 foresters and their guests at a luncheon during the two-day meeting, the governor spotlighted Georgia's role in connection with the conference theme, "Soil, Trees and Water--Their Role in the South's Economic Future." He gave particular attention to advancements made during his administration.

Itemizing each progressive step, the state's top executive dwelt with emphasis on the national prominence of the Georgia Forestry Commission and its leadership in fire control, management and reforestation. Referring to the newly enacted federal soil bank program and its effects on demand for forest tree seedlings, he gave his assurance that the demand will be met. "We're building one of the nation's largest forest tree seedling nurseries at Reidsville that will raise our seedling output well above the 150 million mark," he said, "and we're going to provide for the building of an additional nursery if the need arises."

Pointing up Georgia's interest in conservation, the governor singled out the rapid development of the state's waterways and their contributions to recreation and fresh water reserves. He also credited industry with a large share of Georgia's progress, saying it has assumed leadership at the forefront of every notable advancement.

"Georgia has no corner on the market in any commodity in the Southeast," Gov. Griffin emphasized. "We must

all work together for the benefit of us all. This is the fastest-growing money market in the United States, and we must develop all of our God-given resources for the benefit of our area."

Other distinguished guests who appeared on the program were Asst. Sec. of Agriculture Ervin L. Peterson and Eighth District Congresswoman Iris Blitch. Introduced by Mrs. Blitch at a banquet which climaxed the conference, Undersecretary Peterson outlined the federal government's responsibility in conservation.

*(Continued on Page 10)*



**PROGRESS REPORT**--Guyton DeLoach, director of the Georgia Forestry Commission, gave a brief progress report on advancements made in Georgia forestry during the past year.



CROWD VIEWS RAISING OF GEORGIA FLAG OVER COMMISSION HEADQUARTERS

## Governor's Speech Highlights Dedication

More than a thousand Georgians, including Gov. Marvin Griffin, got a first hand look May 11 at all phases of operations of the Georgia Forestry Commission at the dedication of the new \$200,000 headquarters in Macon.

The governor literally dropped in for the ceremonies, as he was ferried from a local airport to the steps of the speaker's platform in the Forestry Commission's new tree-spraying helicopter.

Gov. Griffin called on Georgians to work together to put their state foremost in the forest industry.

Georgia already leads the nation in many phases of forestry and the South in others, he said.

"Let us continue to strive so we can move forward to even greater achievements in the future."

Griffin pointed out that his administration has "taken an outstanding part" in bringing about the present "high state of efficiency and achievement to these important fields of the state's rapidly growing economy."

Two million dollars annually is now provided the Commission, he said, compared to a 1947 appropriation of \$275,000.

These funds are used to spearhead the development of all phases of the forest industry, which yields more than \$750 million annually to the state's economy, employs more than 200,000 persons and includes more than 3,000 wood-using industries.

Gov. Griffin's speech highlighted the dedication, which included a welcome by Bibb County Commission Chairman Kenneth Dunwoody, an introduction by Macon Mayor





RECEPTION COMMITTEE GREETES VISITORS

B.F. Merritt Jr. and remarks by Commission Director Guyton DeLoach, who said the Forestry Center would some day be the place where anyone in the Southeast could come to learn anything they wanted about forestry.

Other notables who attended included Labor Commissioner Ben T. Huie and Democratic National Committeeman Denmark Groover of Macon.

The Forestry Center was shining for the big event. The grounds were carefully manicured, the buildings and their contents all were in order and considerable emergency field equipment was set up for the public to inspect.

The field kitchen, which is used to feed fire fighters on large fires, was producing quantities of cookies, coffee, doughnuts and soft drinks which were donated by wood companies. Richmond County Forest Ranger T.M. Strickland presided over the victuals.



VISITORS INSPECT THE BUILDING



GOVERNOR "DROPS" IN ...



...AND DELIVERS SPEECH



**DIG THIS CRAZY BEEHIVE**--Talbot County Ranger Harvey Butler looks over one of the portable charcoal "beehive" dry kilns used at Talbrion Farm. Each kiln has a half-cord capacity and produces about 400 pounds of charcoal from a single charge.



**KING SIZE BIRD CAGE**--Even le over slabs from W.A. Smith's sawm operations bring in money. Ranger But examines one of the sturdy chicken co Smith makes from lumber scraps.

## Geneva Farm Shows Good Management

W.A. Smith of Talbrion Farm near Geneva stays busier than a three-legged dog with a flea on its back. As owner of about 3,000 acres of commercial pines, Smith maintains an intensive management program and utilizes everything that grows on his land but the whisper in the tree tops. He says he hasn't given up on that either.

Smith thins his trees regularly, taking out diseased and badly formed stems, and sells them for pulpwood. He harvests his own sawtimber and saws it into lumber on his own sawmill. With the slabs left over from the sawing operations, he makes chicken coops which he sells to local poultry firms. Hardwoods that invade his valuable timber stand are cut and burned into charcoal in four "bee hive" kilns, then sold in bulk to various charcoal dealers. In addition, he conducts a high-gear planting program each year to replenish his growing stock.

### Activities

Keeping down the overhead in his wide range of activities created a serious problem at first, he said. But a few homemade devices built from wood taken out of his forest land soon cut operating costs and allowed him to do most of the work himself.

A heavy homemade wooden skid towed by a pick-up truck is used to haul out most of the timber Smith cuts. Hardwoods bound for the kilns are fastened together with metal bands in half-cord bundles and placed on the skid. At the kiln site, a

stationary wooden crane Smith assembled from timber, automobile spare parts and wire cables unloads the bundles and places one of the metal bee hive kilns over the wood. The entire operation can be done by Smith alone.

Each kiln produces 400 pounds of charcoal from the half-cord charges. Smith processes some 1,600 pounds of charcoal a week, which he sells to distributors in Columbus.

### Sawmill Operation

Operating the sawmill is a different proposition, Smith explained. Here he needs help to feed logs through the mill and to stack the finished lumber.

He tries to cut 200,000 board feet of lumber from his woods each year, in addition to sawing special orders under contract. He sells his share of the lumber he cuts to a lumber company in Columbus.

### Chicken Coops

In making the chicken coops, he utilizes slabs left over from sawing hardwood logs. The initial investment in the phase was pretty high he said, because modern wood turning and sawing machines must be used. Smith does all the work himself, however, and pieces the finished parts together into sturdy professionally-made coops.

All of Smith's utilization activities are located within a frog's jump of each other, thus reducing time loss in hauling and shipping. The quality of his products have kept them in demand, and by keeping a weather eye open for local food products markets, he is always ready to try his hand at something new.

Although all the irons he has in the fire keep him jumping, Smith is never too occupied to take time out to explain his operations to any curious visitor who happens to drop by.



# McCarthy Becomes Successful in Private Timber Business

*Editor's Note: This is the seventh in a series of nine articles which will appear in the GEORGIA FORESTRY during the George Foster Peabody School Golden Anniversary Celebration. Each installment will be a brief biography of a Forestry School graduate. Purpose of the series is to give a cross-section of the alumni and to renew old acquaintances.*

Since his graduation from the George Foster Peabody School of Forestry in 1948, Ward Hodges McCarthy has distinguished himself in a private timber business.

McCarthy was born in White Oak in 1917. He attended elementary and high school there. After graduation from high school, he entered Georgia Military College in Milledgeville. Later he transferred to the University of Georgia

and received a BSF degree from the Forestry School.

During World War II, McCarthy spent 47 months in the AAF Air Transport Command. He served overseas in Central Africa and India.

Since receiving his degree, McCarthy has been a partner in the McCarthy Brothers and McCarthy and Clark timber business. Also he is a pulpwood dealer for St. Marys Kraft Corp. along with assisting his father, C.L. McCarthy, Sr., in the management of his forest lands.

Not only is McCarthy active in forestry work, but also he is a devoted worker in religious and community activities. He is a member of Camden County Board of Education, Board of Tax Equalizers, Board of Jury Revisers, Woodbine Lions Club and a steward in the White Oak Methodist Church.



WARD HODGES MCCARTHY  
1948 Georgia Forestry Alumnus

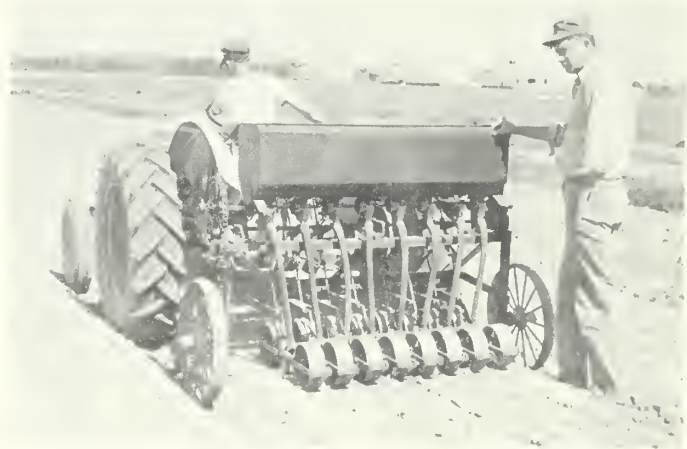
## Page Nursery...

(Continued from Page 1)

McCarthy said the nursery will be operated as two 50-acre series, with Coleman and Jones each supervising one. He will have overall supervision of the nursery. Almost 20,000 worth of seed, weighing almost five tons, was planted. Slash, loblolly and longleaf pine, red cedar, Ari-press and yellow poplar seedlings will be grown this year.



SOWING THE SEED--Another seed bed is laid out for the first time on the virgin land.



EASY NOW--Reforestation Asst. Donald Jones makes sure the seeds go in just right.

## Did You Know That...

Paints and finishes are not used primarily to prolong the life of wood?

Exterior woodwork that stays reasonably dry, except for wetting of its exposed surfaces by rain or snow for short periods of time, does not decay, but, if left uncoated, is subject to weathering?

In weathering, wood usually turns gray, but at high altitudes, it may turn brown?

For both low initial cost and great durability, paints of good quality made with iron oxide pigments are more economical than most other good paints?

# Round-Up Of Ranger News

Forester Paul Y. Vincent, Division of Timber Management in the Southern Region of the U.S. Forest Service in Atlanta, recently has been transferred to the Chattahoochee National Forest as Forest Supervisor. He is succeeded by Fred N. Newnham.

Vincent, a native of Fort Wayne, Ind., received his BSF degree from Michigan State College in 1932. Later, he took advanced studies in Public Administration at American University.

Except for two and a half years in the U.S. Naval Reserve, he has been assigned to various positions in the Forest Service. He served as Fire Control Foreman, Junior Forester and District Ranger in the Southwestern Region; as a staff assistant in the Washington Office and as Asst. Forest Supervisor of the Texas National Forests in the Southern Region.



**PUSH, PULL, CLICK, CLICK.**--Ninth District Investigator W.H. Kierbow squeezes the juice onto the ink plate as he practices taking rolled fingerprints under the watchful eye of Chief Investigator Bob Gore, (R), and Seventh District Investigator Herman Scoggin.



**SUITABLE SITE**--This Georgia Forestry Commission exhibit was right at home recently in the lobby of the Sea Island Bank in Statesboro. First District Forester Bill "Cash" Harper, who arranged the exhibit, said there's been so much talk lately about soil banks, tree banks and blood banks that he thought the old fashioned money bank needed a little publicity.

Norman R. Hawley, Cordele, was installed recently as the 1957 Chairman of the Georgia Chapter, Society of American Foresters. He succeeds Dr. L.A. Hargreaves, Jr., assistant director of the Georgia Forestry Commission.

Hawley, who has been active in forestry work since 1929, was chosen to head the chapter during the meeting of the SAF in Athens recently.

Other officers include Sanford Darby, chief of reforestation, the Georgia Forestry Commission, asst. chairman and E.A. Davenport, Jr., Union Bag-Camp Paper Corp., secretary-treasurer.

Gair Woodlands Corp., Savannah, announced recently it will continue its scholarship program of annually providing two forestry scholarships, totalling \$2,000 each. Each scholarship is for \$500 per year for four years of study in the field of professional forestry.

This is the fourth consecutive year Gair has offered these scholarships to outstanding high school graduates in state where the corporation owns timberlands. In announcing these scholarships, T.W. Earle, president of Gair Woodlands said "Through these scholarships, it is our hope to attract and encourage capable high school graduates to enter the rapidly expanding field of professional forestry in the South."

The successful applicants will be permitted to indicate their preference to attend the Forestry School of the University of Georgia, University of Florida or North Carolina State College.

Application forms and additional information about the scholarships may be obtained from local high school principals or vocational agriculture teachers.



**WHIRLEYBIRD STEALS SHOW**--The Commission's new helicopter was a major attraction in Eastman at the Dougherty County Keep Green Parade in March.



# Forest Farmers. . .

(Continued from Page 4)

While we who represent Government can help, should and wish to help," he said, "it is not for us to undertake any except those responsibilities which in their private capacities are incapable of assuming. By the record you have achieved here in the past, I am convinced there will continue to be demonstrated the American tradition that our peoples have the ability to create and to build for themselves. This is the spirit which has made this country the great nation that it is. This is the spirit to which we might all dedicate our efforts to sustain."

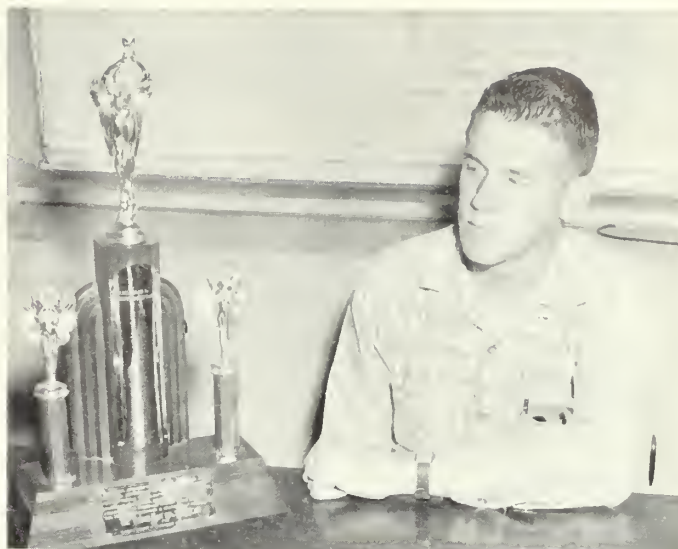
Welcoming addresses offered by a list of state forestry leaders, headed by Guyton DeLoach, director of the Georgia Forestry Commission, kicked off the annual meeting. After introduction of regional vice presidents of Georgia directors of the Forest Farmers Assn., the program got underway with a keynote address by R. Vance Johnson Jr., forestry and public relations manager of Gulf States Paper Corp., Tuscaloosa, Ala.

Speakers appearing on the program were J.V. Whitfield, president of the Forest Farmers Assn.; Fred S. Hornady, vice president of the American Forestry Assn.; John W. Squires, vice president of the Forest Farmers Assn.; H.W. McHenry, state forest director; C. Otto Lindh, regional forester of the U.S. Forest Service; Harold G. Wilm, associate professor of the New York State College of Forestry; Frank Hogan, assistant to divisional civil engineer, International Paper Co.; Richard Kilbourne of TVA.

Harold L. Mitchell, utilization chief of the U.S. Forest Products Laboratory, Madison, Wis.; Clint Herrick, regional forester of the U.S. Forest Service; Henry T. McKnight of the Forest Farmers Assn.; B.F. Grant, acting dean of the University of Georgia School of Forestry; John A. Sibley, president of the Georgia Forestry Commission; Roy LeCraw, former Atlanta forest ranger; Dr. Wallace E. Howell of W.E. Howell Assoc.; and C. Hood of the U.S. Weather Bureau; James S. Hays of the Soil Conservation Service and J. Floyd Hays of Alabama Polytechnic Institute.



GOVERNMENT'S ROLE--Asst. U.S. Secretary of Culture Ervin L. Peterson presented the U.S. Government's role in development of the nation's forest resources.



BOBBY CHRISTIAN  
Crisp "Young Man of Year"

## Crisp Ranger Cops "Young Man" Title

Forest Ranger Bobby Christian has been named winner of the Crisp County "Young Man of the Year" award. He was honored at the Cordele Junior Chamber of Commerce's annual dinner held recently.

Also announced at the dinner were the award winners of the "Man and Woman of the Year" in Crisp. Clark Standard, president of the Cordele Junior Chamber of Commerce and Mrs. Lulame Perry, county home demonstration agent were chosen for these awards. The titles are conferred annually by the Junior Chamber of Commerce.

Ranger Christian's activities included keeping a "Keep Green" Council scrapbook which was given the Crisp County sweepstakes award.

Mrs. Perry won her title for her outstanding work and help in improving the county's standard of living. Standard was named for "furthering objectives of friendship and promoting harmony among the people."

Special guests at the meeting were representatives of thirteen industrial plants in Cordele who employ a great number of people in the hydro-electric power plants.

**Remember. . .**  
**Keep Green Week**  
**April 7-13**

April, 1957

## CONSERVATION

## MEANS

## WISE

Because trees grow and replace themselves, we can always have wood for our needs by good forest management — tree farming.



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# FORESTRY



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# Editorial

## Forest Fire Danger

## Commission Dedication Highlights Importance Of Georgia Forestry

(From the Thomasville Times Enterprise)

A campfire, carelessly handled in the Georgia woods can cost the state millions of dollars in totally destroyed forests of the present day and those in the making for the future. We all know this and yet we learn on various occasions that people, who also know the danger of forest fires and their destructive possibilities are inexcusably negligent with all sorts of fires.

The same is true to a certain extent in urban areas where homes are engulfed by such carelessness. Many millions of dollars have gone up in flames, for which there is not the slightest excuse, unless carelessness is an excuse. None will admit that in one in a hundred cases only can it be proven. No fires can be as terrific or destructive as forest and brush fires when it has been dry and sere for some weeks.

Right now there has been terrible destruction in California from the forest fires. The number of homes destroyed is not nearly as large as those exposed to it and in one case it has even been hinted or suspected that arson was involved. The person guilty of that sort

(Continued on Page 10)

(From the Savannah News)

The dedication this afternoon of the new headquarters building of the Georgia Forestry Commission calls vividly to mind the extent to which forests and forest products are part of the economy of Georgia. It also calls to mind that it was not always so.

Many among us can recall the day not too far gone when the presence of vast tracts of forest land was considered, at best, a detriment to the state's economy--an impediment in the way of good farm land. And there was great merit in that argument, for unmanaged scraggly scrubby pine forests were a detriment.

But most of that has passed now, and the intelligently managed forests of today contribute many hundreds of millions of dollars to the total state income each year. Wood for pulp mills and for lumber mills, wood for the host of modern synthetic fabrics and fibers we now have, wood for building and wood from which naval stores come.

And in large measure this is due to the careful, at times painstaking job of education and management the Forestry Commission has done. The new headquarters signifies, we think, the place the Forestry Commission has in the hearts of Georgians.

### GEORGIA FORESTRY

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Guyton DeLoach, Director

#### Members, Board of Commissioners:

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Sam H. Morgan	Savannah
Oscar S. Garrison	Homer
C. M. Jordan, Jr.	Alamo
H. O. Cummings	Donalsonville

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ASSOCIATE EDITORS	Bill Kellam, Joe Kovach, Jeanette Jackson

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## Georgia's Profitable Pine

(From the Ocilla Star)

The Star has been urging its readers for a number of years to let nature have a chance to enrich them by planting pine trees, and has succeeded in interesting many.

However, the old custom of burning off woods continues by some landowners, and only a few are taking proper care of their young pines. There are vast areas in South Georgia not suitable for cropland, but are ideal for growing pines. Yet much of this area is kept devoid of the wealth-making pines with the habit of burning the woods every spring so that scrub cows may have some wire grass to eat.

We believe landowners can derive more benefit from their uncultivable lands by a sound reforestation program, with less emphasis on providing a little wire grass for livestock.

## This Month's Cover

Reigning over Georgia's forest festivities during the past month were kings and queens from all over the state representing every phase of forestry.

Thousands of Georgians gathered in various sections of the state to help choose local county queens, Miss Spirits of Gum Turpentine, Miss Keep Georgia Green and others. Also taking place were parades, festivals and rodeos.



# Emanuel County Holds 1957 Pine Tree Festival

Thousands of persons jammed the streets of Swainsboro one sultry morning last month to pay homage to the Georgia Pine and feast their eyes upon beautiful floats and girls.

A lengthy parade featuring over 50 floats, school and military bands and vehicles ranging in size from Cadillacs to microscopic motor scooters, highlighted the day-long festivities.

Other events included an address on the court house lawn by Lt. Gov. Ernest Vandiver, a barbecue, an evening dance and a golf tournament.

The Emanuel County Forestry Unit added a little unscheduled humor to the parade when their truck bearing Smokey the Bear himself stalled near the court house and had to be pushed to one side for minor repairs so the marchers could march on.

There were more beauty queens in the parade than you could shake a pine bough at, including Miss Georgia--Jane Morris of East Point, Miss Spirits of Gum Turpentine--Tonita Hunnicutt of Moultrie, 1956 Festival Queen Meredith Jenkins, 1957 Queen Becky Lamb (a strawberry blonde) and 4-H Queen Mary Andrews. To thrill the ladies there were Kings, including Gerald Lumley and 4-Her Charles Brown.

Swainsboro High's lavish float won the school division, while the Emanuel 4-H float took the organization float prize. There were also awards for the best essays, posters, window exhibits and other activities.



THE WINNER--Swainsboro High School won first place in the school division float for the second year.



AND THE BAND PLAYED ON--The band played on as Smokey watches from the sidelines after his truck broke down during the parade.



ROYAL CREW--L to R, Prince Steve Williamson, Queen Becky Lamb, King Gerald Lumley, and Princess Jo Dale Phillips reign on their float.



RESTING BEAUTIES--L to R, Miss Tonita Hunnicutt, Miss Spirits of Gum Turpentine and Miss Jane Morris, Miss Georgia, rest after the parade.





**A DELIGHTFUL COVEY**--Picking the prime peach from this passel of pulchritude proved a pressing problem. L to R, are Tonita Hunnicutt, Moultrie; Lucy Henderson, Ocilla; Jo Ann Daniel, Montezuma; Mary Lee Dopson, MacClenney, Fla.; Jean O'Neil, Doerun; Jo Ann Summer, Ashburn; Frances Stewart, Madison, Fla.; Fritzie Anderson, Citronella, Ala.; Margaret McLenore, Meadville, Miss. and Sara Roberson, Odum.

## 1957 Turpentine-Gum Producers Convene

A bevy of beauties briefly stole the spotlight from the south Georgia pines last month in Valdosta at the twenty-first annual convention of the American Turpentine Farmers Assn. Parading before the tall cat-faced trees, 10 curvaceous cuties from all parts of the Southeast vied for the title of "Miss Spirits of Gum Turpentine."

Miss Tonita Hunnicutt of Moultrie, Ga., proved a difficult choice for the judges after they were dazzled by a glamorous parade of pulchritude bedecked in brightly colored bathing suits. Miss Hunnicutt was sponsored by Jim L. Gillis Jr., a gum producer from Soperton.

As a preamble to the beauty fest, some 1,000 delegates and friends sat through a formal program which featured an annual report by Judge Harley Langdale, the association's president, and talks by leading representatives of the naval stores industry.

Speakers were Judge Langdale, Valdosta Major Emory P. Bass, E.M. Brinson of Maxwell, Florida, Vienna Pastor W.E. Dennis, Gillis and E.L. Patton, head of the Naval Stores Experiment Station at Olustee, Florida.

The association's entire slate of officers and board of directors were re-elected for the coming year.

Contestants in the beauty parade were Miss Hunnicutt, Lucy Henderson of Ocilla, Ga.; Fritzie Anderson of Citronella, Ala.; Mary Lee Dopson of MacClenney, Fla.; Jean O'Neil of Doerun, Ga.; Sara Roberson of Odum, Ga.; Margaret McLenore of Meadville, Miss.; Jo Ann Daniel of Montezuma, Ga.; Jo Ann Summer of Ashburn, Ga. and Frances Stewart of Madison, Fla.



**LITTLE BROWN JUG**--Tonita Hunnicutt, winner of the "Miss Spirits of Gum Turpentine" title, receives one of the many presents donated by area business firms.





CHATTAHOOCHEE EXECUTIVE SHOWS MIDGET SAWMILL

## Forestry Demonstrations Held in North Central Georgia

Two well-conducted forestry demonstrations sponsored by various groups attracted great interest in North Central Georgia last month. The Lincoln County Forestry Unit and Keep Green Council sponsored a day-long outing on the Ben Fortson Estate near Lincolnton which was attended by some 300 adults and high school students.

The Seaboard Airline Railway also staged a day-long affair at the old Barrow County Forestry Unit near Winder which was attended by some 500 persons. Featured were addresses by Georgia Forestry Commission Director Guyton DeLoach, Commissioner of Agriculture Phil Campbell and Supervisor of Agricultural Education T.G. Walters.

Elaborate equipment displays were set up at both demonstrations by manufacturers and private and government foresters. Spectators at both events heard lectures on control of undesirable hardwoods, disease and insects, on timber marking and thinning, tree planting, forest management, sawmilling and other subjects.



W.T. DUNAWAY EXPLAINS USES OF PLANTER



BOYS WATCH BOSS TRY OUT PLANTER

Special exhibits at Winder included miniature saw mill and lumber treatment plants. Ninth District Forester Ollie Burtz taught the fire control class.

Highlights at the Lincolnton outing were timber marking contests for adults and high school students which were supervised by Asst. Tenth Dist. Forester William Schultz. State Rep. Ben Ross, chairman of the Keep Green Council, was the principal speaker. A free barbecue dinner, donated by lumbermen in the area, was another crowd pleaser.



DORSEY DYER GIVES LECTURE ON WOODLAND MANAGEMENT



WINNERS OF TREE MARKING CONTEST





GOV. GRIFFIN WISHES KEEP GREEN ASPIRANTS GOOD LUCK

## *Barrow Cops "Keep Green" Title*



CARROLL COUNTY'S MISS JANICE THREADGILL BECOMES 1957 KEEP GREEN QUEEN

With Georgians who know their forests and girls best, Barrow County is the greenest and Miss Janice Threadgill of Temple is the prettiest.

So the judges of the 1957 Keep Georgia Green contests announced at the gala Golden Anniversary banquet in Atlanta early this month.

Twenty beauties from all over the state stole the show from the hard-working foresters and landowners who flocked to the capital city to receive their well-deserved awards.



LINCOLN COUNTY CHOOSES ELIZABETH CARLOCK QUEEN





OMBS



MISS ETHLYNN McMILLAN, DODGE COUNTY QUEEN

MISS PATRICIA ANN STILLWELL,  
RICHMOND COUNTY QUEEN

Miss Threadgill, the Carroll County entrant, was a tall, beautiful beauty whose cameo-like features, personality and personality dazzled the baffled judges, who were goggle-eyed by so much beauty. Another statuesque blonde, Miss Georgia Asdell of McIntyre in Wilkinson County, was second runner-up.

Barrow County was declared state winner of the Keep Georgia Green county competition. Lincoln County was second. Crisp County won the sweepstakes, which is for previous state champs.

(Continued on Page 10)



MISS BARBARA ABNEY COPS BLECKLEY CROWN

GOV. ERNEST VANDIVER CONGRATULATES  
ZANNE ALLEN, CHARLTON COUNTY QUEENMISS JUANITA TANNER, WASHINGTON  
COUNTY QUEEN



# Forestry Commission Joins TVA In Studying Forest Fire Causes

The Georgia Forestry Commission this year has joined with the Tennessee Department of Conservation and the Tennessee Valley Authority in conducting a forest fire cause study in northwest Georgia and southeast Tennessee. Counties included in the survey are Dade and Walker in Georgia and Hamilton and Marion in Tennessee.

Purpose of the project is to determine cause accurately so that an intensive prevention program can be designed to reduce the number of forest fires and area burned. Arthur Wardner, a TVA forester, has been assigned to the study during calendar year 1957.

All four counties are under organized state protection. Hamilton and Marion counties were organized in 1949, Dade County in 1944 and Walker County in 1950. Total area is 1,069,090 acres, of which 71 percent is forest land.

With perhaps one exception, this four-county area has the highest fire incidence rate of any area in the Tennessee Valley.

Studying past fires in these counties and spotting them on a map showed them concentrated in eleven "hot spots." These are in Hamilton County--Daisy Ridges, Harrison Bay and Silverdale; Walker County--Chickamauga and Lookout; Dade County--Hooker and Davis Community; Marion County--Aetna Mountain, The Pocket, Fiery Gizzard and Sweden's Cove.

These eleven areas, with only 22 per cent of the forest area in the four counties, have had 53 per cent of the fires over the past three years. The incidence rate was 210 fires per 100,000 acres of forest land. The 20 year average for the Tennessee Valley (1934-1953) is only 41 fires per 100,000 acres. During the first three months of 1957 there were 39 wildfires in the eleven study areas. Georgia had seven of these--four in Walker County and three in Dade County. Investigations have been completed on five. Hunters caused one and debris burners two. Cause could not be determined on the other two.

## Screven County Holds Annual Livestock Rodeo

Local and First District Forestry Commission personnel last month helped make the Fifth Annual Screven County Livestock Festival parade the biggest ever.

Entering the parade for the first time, the Screven Forestry Unit, with the help of Asst. District Forester Al Smith of Statesboro, did things up in a big way with two floats, two Smokey Bears (one real and one ersatz) and a horse and beauty queen entrant.

Screven Ranger Lloyd Bazemore, unit personnel and Smith decorated a John Deere fire suppression unit with



FORWARD, MARCH--The Screven County Forestry entry lines up before the parade.



SMOKEY IN ACTION--Smokey waves hello to the crowd in the midst of the Sylvania parade as Miss Rachel Wiley, seated on a black mare, brings up the rear of the forestry entry.

young pines, signs and Asst. Patrolman Robbie Bray in a Smokey costume.

Smokey himself was there, too, riding in state in the back of a pickup. Miss Rachel Wiley brought up the rear of the forestry entry on a black mare.

Thousands of persons witnessed the parade and were greatly amused by the antics of both Smokeys. Eight bands, 33 floats and some 100 riders in Western outfits made the parade a colorful affair, despite the near summer temperature.

The temperature cooled at night, but things were plenty hot at the rodeo at the ball park, where genuine cowboys rode broncs and bulls, wrestled calves and cut up in general.

Carol Ann Minkovitz, 16-year-old high school student, was crowned rodeo queen the final night.





HUBERT B. DARSEY  
1942 Georgia Forestry Alumnus

## H.B. Darsey Makes Mark With Firestone Company

*Editor's Note: This is the eighth in a series of nine articles which will appear in the GEORGIA FORESTRY magazine during the George Foster Peabody School Golden Anniversary Celebration. Each installment will be a brief biography of a Forestry School graduate. Purpose of the series is to give a cross-section of the alumni and renew old acquaintances.*

Graduates from the Georgia Forestry School are not only stationed all over the state of Georgia, but also are making their mark in other corners of the world.

This month's featured alumnus is Hubert B. Darsey, who is employed by the Firestone Tire and Rubber Co. in Monrovia, Liberia, West Africa.

Darsey was born in Whigham, Ga. April 4, 1920. He was educated in Cairo, Ga. and was an honor graduate of Cairo High School in June, 1936. He won a first year scholarship to the University of Georgia in September, 1936 and received his BS degree in forestry in June, 1940.

Immediately after graduation from the Forestry School, Darsey entered the armed forces as a second lieutenant. He was transferred to the U.S. Air Corps. He was assigned to the Air Transport Command and served in various bases in the United States as an instructor and in foreign service as a "Hump" pilot on the China-Burma-India route.

His military decorations include the Purple Heart, Air Medal and Oak Leaf Cluster and D.F.C. with oak leaf cluster. He was discharged in 1947 with the rank of captain.

After his discharge, Darsey went to work with the Firestone Tire and Rubber Co. in West Africa where he has worked ever since. Starting as a rubber planter, he was promoted to the engineering department last February.

## 37 Counties Enforce Intent To Burn Law

The Notice of Intention to Burn Law is now in force in 37 Georgia counties and 29 others have given initial approval to the local option measure.

Enacted last year by the state legislature, the law requires that persons planning to set outdoor fires must first notify their county forestry unit as to time and place of burning. Before it becomes effective in a county, however, two successive grand juries must give their endorsement.

According to Guyton DeLoach, director of the Georgia Forestry Commission, the law has strengthened Georgia's existing forestry laws by stimulating more local interest. He said sheriffs and other law enforcement officers throughout the state have been cooperative in helping to make the law fulfill its purpose.

### Increased Efficiency

Chief Investigator John R. (Bob) Gore Jr. says the measure is proving beneficial. "By enforcing the new law," he said, "local forestry units have increased their efficiency and reduced operating costs." He pointed out that in counties where the law is in force, rangers have been able to keep their firefighting equipment in good operating condition, ready to be dispatched to the scene of any wildfire.

Counties in which the law is in force are Bulloch, Chatham, Emanuel, Effingham, Burke, Jenkins, McIntosh, Screven, Bryan, Crisp, Dooly, Marion, Schley, Newton, Pike, Ben Hill, Laurens, Montgomery, Pulaski, Treutlen, Wheeler, Wilcox, Bartow, Dade, Gordon, Polk, Walker, Appling, Brantley, Camden, Charlton, Clinch, Ware, Columbia, Greene, Lincoln and Walton.



PREScribed BURNING--First District Investigator R.M. McCrimmon (middle) shows Evans County Sheriff Candler Rogers (left) how to conduct a prescribed burn as Ranger A.D. Eason assists and Robert Cross plows the fire break. Evans was the tenth and latest county in the First District to approve the Notification of Intention to Burn Law.

# Round-Up Of Ranger News

A kick-off meeting was held recently in Clinch County for the purpose of organizing a Southeastern Georgia Forestry Group. The main objectives are to discuss, hear and participate in forest problems of that area.

W.D. Young was elected chairman. He appointed Harry Moyer, Carroway James, Downing Musgrove and Troy Spells to a plans committee.

Jeet Rowell, conservation forester for International Paper Co., spoke to the group and showed movies and color slides.

An organizational meeting of the Forest-Game Research Committee to act on wildlife and forest problems and relationships was held recently at the Georgia Forestry Commission. This committee is the result of a meeting recently held in Atlanta at which a group composed of interested forest and wildlife organizations, industries and agencies attended.

The main objectives are to coordinate, propose, support and publicize research activities relating to forest and game management practices and also to create a better understanding between private organizations, various state agencies and the general public.

W.H. McComb, chief of forest management for the Commission, was chosen to head the committee. Composing the five-man group are Raymond D. Moody, International Paper Co., Mobile, Ala.; Rex D. McCord, Bowaters Southern Paper Co., Calhoun, Ga.; and J.E. Phillips, Georgia Kraft Co., Macon, Ga., representing forest industry and George Moore, Georgia Game and Fish Commission, Atlanta and McComb, Georgia Forestry Commission, representing state agencies.

Jeet Rowell, International Paper Co. and D.T. Sonnen, Georgia Kraft Co. attended the meeting in an advisory capacity.



A FIGHT?--No, Georgia Golden Gloves Welterweight Champ Gene Thurmond, (L), isn't being patched up after a fight. Instructor Bill Schultz shows Tenth District Forestry Aid class proper methods of bandaging.

Georgia Forestry Commission ground personnel and an Athens High School senior who will study forestry at the University of Georgia recently attended a Red Cross first aid course taught weekly in Athens by Tenth District Asst. Forester Bill Schultz.

Thirteen rangers and patrolmen from Clarke, Madison, Morgan-Walton and Greene Counties attended the class.

The Athens High student is George Thurmond, who recently won the Georgia Golden Gloves Novice Welterweight title.

## Letter Of Appreciation

Editor, The Telegraph: This is to express appreciation for the prompt, capable and courteous service of H.P. Staple Jr., ranger, and W.H. Pattillo, patrolman, of the Bibb County Forestry Unit, in confining the area and extinguishing the fire on our place on Riverside Drive on April 9.

The fire came on our place extended 1750 feet in length and varying in width from a few feet to 500 feet into the property.

By the time we got to the burning area, forestry unit men and equipment were already there. Had it not been for the prompt and efficient service, several hundred acres of heavily wooded land (instead of between six and ten acres) could have been burned over before we could have extinguished the fire.

We are very grateful to the Fire Control Commission for this valuable service.

GEORGE S. BIRCH  
Macon



TORNADO DAMAGE--Shown above is the result of China Hill fire tower, located in Telfair County just eight miles west of Jacksonville, Ga., which was destroyed by a recent tornado.





**DISTRICT WINNERS--**(L to R) Olin Witherington, Third District forester and Taylor County Ranger Austin Guinn receive plaque for the best Keep Green district from '56 President R.H. Rush.

## Barrow County...

(Continued from Page 6)

The Third District was named the best district and Dougherty had the best fire record. Outstanding counties the other districts included Bulloch, Dougherty, Taylor, Pike, Bleckley, Washington, Walter and Coffee. Inducted into the Order of the Golden Pine Cone were Jerry Griffin, Edwin Douglass, W.M. Oettmeier, J.D. Muchamp, Frank Alexander, H.E. Ruark, E.A. Davenport, Jr. and Harry L. Rossoll.

The day-long program was highlighted by an address by Gov. Marvin Griffin, who praised forestry's contributions to the economic and industrial development of the state. Other experts spoke on almost every aspect of forestry.

New officers include W.M. Oettmeier of Fargo, president, R.H. Rush of Hawkinsville, first vice president and A.E. Patton of Atlanta, treasurer.

New directors, elected for a three-year term, are J. Ernest, Camilla; James W. Blanchard, Valdosta; Turner, LaGrange; Edwin L. Douglass, Augusta and N.R. Harding, Rome.



**TOP COUNTY WINNER--**(L to R) J.D. Watson, Keep Barrow County Green chairman, Jackson-Barrow Ranger George Davis, ex-Barrow Ranger George Bower receive plaque for the best county from R.H. Rush.



**PRES. OETTMEIER CONGRATULATES GOLDEN PINE CONE INITIATES**

## Fire Dangers...

(Continued from Page 1)

of a crime may turn out to be a murderer or something as bad and there is nothing that can mitigate the offense except immediate and drastic punishment and such fines do not always follow the discovery of the culprit.

It should be possible to ferret out the guilty ones and then devise a short cut in the administration of justice that will take them into prison and keep them there for a long time, long enough, at least, to scare others with similar designs.



**30-PIECE BAND--**Panogen "Panhandle" Pete delighted the audience attending the Valdosta Gum Turpentine meeting with the zany music coming from his 100-lb. 30-odd "instruments." Unlike Elvis, every wiggle added a new note to the "music."

# Georgia Forestry May, 1957

## WOOD - THE FIBER OF AMERICA

Educating today's youth for tomorrow's opportunities is the most important job in America. An important part of this preparation is the development of an appreciation for and an understanding of the forest resources that helped build this nation. Our forests, used wisely and protected from fire, will provide the wood we need for products essential to our comfort and security.



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Georgia

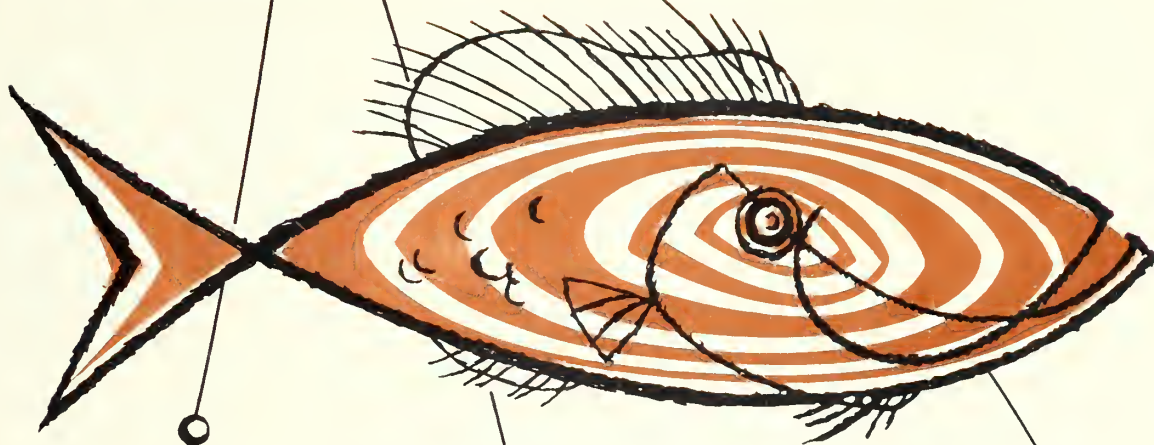


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# FORESTRY



Same Fish.. Another Forest Product



# Editorial

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## Picture Of A Forester

By Susan Myrick  
(From the Macon Telegraph)

In about two more weeks the Georgia Forestry Commission office is likely to be flooded with mail. On June 1, the Commission will begin accepting orders for seedlings for planting next fall and winter.

Guyton DeLoach, director, has predicted the activation of the Soil Bank's Conservation Reserve program of seedling production. Sanford Darby, chief of reforestation, expects 250 million seedlings to be ready for fall and winter planting this year.

The cost of pine seedlings is amazingly low, despite the slight increase in cost this year. Young slash, loblolly and longleaf pine seedlings will cost \$4 a thousand. Eastern White pine will cost \$9 per thousand, and if you want Arizona Cypress or Eastern red cedar or yellow poplar, they'll cost \$10 per thousand.

Woodland management continues to improve in Georgia and hundreds of woodlot owners are no longer selling trees on a diameter basis, but are having trained foresters mark the trees which should be cut, thus furthering the day when Georgians will get maximum returns from their woods.

I talked, not long ago, with a county forester who had been marking trees and I learned something brand new about the business. Did you know that a sore neck is a sort of occupational disease with foresters who mark trees? Well, it is. Next time you see a sun tanned, khaki

clad man who holds his neck as if it were kinked or crick, you may safely guess he's been marking trees.

He walks through the woods looking up most of the time. He is observing the crowns of the trees, looking for a place to cut. He finds how much room there is between the high branches and if there is ample space for the sunlight to get through. Plenty of space and lots of sunlight make faster growing trees.

The forester does not go into the woods alone, I learned too. He goes with the land owner or with someone who can help him. He has a good idea of the land and aids in computation of board feet, and who is along with him for safety measures, as well. Walking along with your back bent backwards so you can see up into the tops of the trees makes it right easy to step into a hole and maybe break a leg. Somebody along to take care of first aid in such a case is a must.

Then, there is the possibility of snake bite. The forester wears boots, which are a protection from any possible bite, and he carries a first aid kit. But if you get a snake bite, it is a big help to have somebody along.

There are few snake bites on record for forest rangers but anybody who has walked through underbrush in South and Middle Georgia in summer time knows there are plenty of snakes about, now and then.

## Cobb Countians Reside Under "Green Umbrella"

(From the Marietta Daily Journal)

A visitor to Cobb County recently observed, "The people live under a green umbrella." He was not the first stranger to notice the wonderful trees that shade so many residential areas in our county. Nature has been kind to us.

From the air, one realizes that much of Cobb County is heavily forested. Unlike other areas where trees of tremendous commercial importance, Cobb has no reason for protecting its woods. Their value to us is in future suburban development. That longing to get away from the hot and noisy environment of the asphalt jungle has prompted many to desert the cities for the cool serenity of the shady suburbs. Folks will continue to migrate to new subdivisions as they are developed in Cobb.

For this reason, we must protect our forests as an asset to the homesites of the future. Fire is the biggest threat and it is encouraging to note that the county has escaped a forest blaze for the past nine days. Careful action by all citizens can do much to keep up this good record. Let's protect our "Green Umbrella!"

## This Month's Cover

As a by-product of Georgia forests, game fish may not be the most valuable, but there is little doubt they are the most popular. Without the umbrella of trees that holds back a spring shower and lets the water trickle into the streams, fish would have no permanent homes. Trees also control water temperatures and provide a sort of built-in thermostat for the elusive frying pan fugitives.





PROFESSORS RECEIVE SPECIAL SERVICE AWARDS

## Georgia Foresters Attend Annual Alumni Meeting

Alumni of the University of Georgia School of Forestry met last month in Athens to pay tribute to their school and honor Georgians who have made outstanding contributions in the forestry field. The meeting was held in conjunction with the school's Golden Anniversary Celebration.

The program opened with the annual undergraduate Field Day event, during which students competed in Paul Bunyan-style forestry skill contests.

At a senior banquet, inscribed bronze plaques were presented to Sen. Herman E. Talmadge, Gov. Marvin Griffin, Kirk Sutlive, public relations director for Union Bag-Camp Paper Corp., and Guyton DeLoach, director of the Georgia Forestry Commission for their "outstanding contributions in the forestry field."

Student awards also were presented at the banquet. Oscar Fowler of Douglasville was given the Keith Cran-



NEW ALUMNI OFFICERS



STUDENT AWARD WINNERS

ston Award which is presented annually to the outstanding senior. The Earl Jenkins Memorial Award went to Walter H. Moyers of Memphis, Tenn., for his superior qualities in scholarship, leadership and participation in extracurricular activities. William L. Reno of Calhoun, Tenn., was awarded the outstanding freshman presentation.

Special awards were presented to Prof. G. Norman Bishop for his more than 20 years service at the school, and to Prof. Bishop Grant for his service and tenure as acting dean.

The meeting ended with an alumni session highlighted with an address by Dr. Allyn Herrick, new dean of the Forestry School, and election of Alumni Association officers.

Dr. L.A. Hargreaves Jr., asst. director of the Georgia Forestry Commission, was elected president. James C. Turner, the commission's fire control chief, was named vice president, and Ted Walker, asst. Agriculture Extension forester, was elected secretary-treasurer.



FORESTRY FIELD DAY EVENT



## Two Washington Youths Receive Forestry Awards

Two modest young men of few words but many actions have been awarded the Washington County Forestry Unit's 4-H and FFA forestry awards, Ranger Calvin Rhodes announced this month.

Henry Brantley, 17-year-old Tennille High junior from Harrison, and Mack Meeks of Tennille, a 15-year-old sophomore, were presented with road signs for their outstanding 4-H and FFA forestry projects, respectively.

Ranger Rhodes said the awards are designed to stimulate interest in forestry among high school students and to point out the county's outstanding and deserving young foresters.

Henry was selected for setting out 2,500 pine seedlings over the past seven years on the 10-acre timber tract given him by his father, dairy farmer B.H. Brantley. Henry has thinned the tract, sold pulpwood after the thinnings and plowed firebreaks. He has four dairy cows of his own and helps his father grow cotton and corn and care for the 40-cow dairy herd.

Young Brantley is a member of the A-average Tennille High Beta Club, the FFA, the Co-ed Hi-Y and president of the 26-county Northeast Georgia 4-H Council. He hopes to run for state 4-H boys vice president this summer.

Mack, a lanky towhead, crams athletics, farming and forestry into his busy schedule. He has won two letters in basketball and one each in football and track. He said he keeps in shape by running down rabbits in the off season. He is vice president of the FFA, a member of the Letterman's Club and has a B average.

Mack maintains a seven-acre timber tract given him by his father, George M. Meeks, on which he has planted pine and Arizona Cypress seedlings, thinned and cut pulpwood and saw timber, plowed fire breaks, controlled undesirable hardwoods, painted boundaries and erected signs. Also he has performed other forestry practices on the school's FFA timber tract.



"LOOK AT IT GROW"--Mack Meeks, left, shows one of his prize winning pines to Voc. Ag. Teacher and FFA Advisor J.G. Hatcher of Tennille, center, and Ranger Calvin Rhodes, who stand in a fire break plowed by Meeks.



"EASY NOW"--Washington County Ranger Calvin Rhodes, left, tells Henry Brantley, center, they prepare to set up the sign Brantley was awarded. Asst. County Agent Bill Bowers of Spauldville catches his breath at right.

Mack made the highest individual score in a field of 156 when he and the team won the Southeastern Vocational District Two livestock judging title earlier this spring. He won the FFA area livestock show in Augusta last year with a duroc gilt hog.

Mack and his older brother, Ed, work their father's 222-acre farm on which they grow cotton, corn, soybeans, hogs and beef cattle. Mack has two cows, two pigs and 17 pigs.

## Annual Boys Forestry Camp For Laura Walker State Park

Approximately 100 Future Farmers of America will convene June 10-15 at Laura Walker State Park in Macon for the seventh annual Boys Forestry Camp.

Sponsored by six member mills of the Southern Forestry Conservation Assn. and directed by the Georgia Forestry Commission, the yearly event consists of a concentrated week-long study in forestry. Mills sponsoring the camp are Rome Kraft Co., Union Bag & Paper Corp., Gair Woodlands Corp., Brunswick Paper Co., St. Mary's Kraft Corp. and Owens-Illinois Glass Co.

During the six-day period, skilled state and industrial foresters will instruct the boys in all phases of forestry. Courses will include reforestation, fire control, use of hand tools and equipment, tree identification, forest mensuration, marketing, law enforcement and harvesting. Special lectures on insect control, naval stores and a field trip to the Okefenokee Swamp State Park are included also.

Boys attending the camp will come from several Georgia counties. Each year the camp alternates between North and South Georgia. Last summer the camp was held at Alexander Stephens State Park near Crawfordville.



## Ware Foresters, Bankers Hold Clinic On Timber Management

Foresters and bankers in Ware County recently joined hands to promote better management of timber grown in that area.

In the first of a proposed annual countywide forestry demonstration, nearly 100 area landowners gathered at the John H. King Jr. farm near Dixie Union to attend a forestry clinic conducted by representatives of various forest agencies. William H. Rentz, vice president of the Commercial Bank at Waycross, presided over the conference.

Highlighting the clinic was the presentation of a solid silver loving cup to the landowner in Ware County who carried out the best management program last year in his woodlands and received maximum cash returns from his loblolly crop. The initial award went to Isbon Frier of Dixie Union.

In presenting the trophy, Rentz said the award committee praised Frier for maintaining a "sanitary" woodland in which all brush and debris was removed from the forest floor. He said Frier's forestland should serve as a model for all timber owners in the county.

Prior to the presentation, brief demonstrations were held in a wooded area, including discussions of "D plus thinning" by Norman Sands of the Soil Conservation, timber scales by John Stokes of the Georgia Forestry Commission, selective thinning by H.W. Williams of the Georgia Forestry Commission, naval stores by Charles Beea of the U.S. Forest Service, insects and diseases by Dr. Robert Harrison of the U.S. Forest Service and fire protection by District Forester George Lavinder and Ware County Ranger R.T. Kirkland.

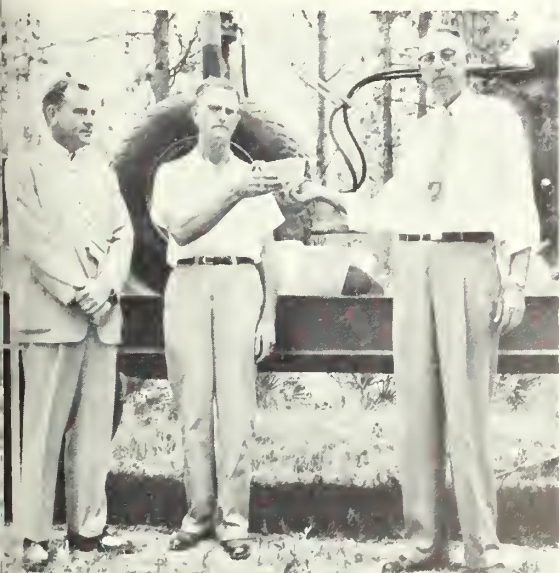
Sponsoring the clinic were the Commercial Bank, First National Bank, Southern Bank Agriculture Committee, Chamber of Commerce and Ware County Agriculture Program Planning Committee, all of Waycross.



DR. HARRISON DISCUSSES THE BUGS AND THE TREES



ASST. DIST. FORESTER JOHN STOKES TAKES A LOG LOOK



RENTZ, FRIER, KING AND TROPHY



DIST. FORESTER GEORGE LAVINDER TALKS FIRE CONTROL





SANFORD P. DARBY  
Opening Speaker

## Area Three SPCA Members Discuss Southern Forestry Developments

Presentation of papers on the latest developments in Southern forestry highlighted the recent Area Three meeting of the Southern Pulpwood Conservation Assn. at Athens in the University of Georgia Center for Continuing Education.

An address by Georgia Forestry Commission Reforestation Chief Sanford Darby opened the meeting. Darby told more than 100 SPCA members the story of the development of the Commission's tree seedling production program.

Darby traced seedling production from its modest beginning only a few years ago to the present position of national leadership. He explained current operation procedures and problems.

K.G. Meschke of Brunswick Pulp and

Paper Co. spoke on handling seedlings in transit and planting. G.W. McV. Jr. of Gair Woodlands talked on planting site preparation.

A.B. Collins of the U.S. Forest Service spoke on "Soil Bank Trees" then answered questions from the audience in a lively session. Prof. A. Worrell of the Yale Forestry School, former University of Georgia faculty member and an old friend of many in the audience, spoke on the short rotation management of small forest properties.

SPCA President H.J. Malsb closed the business session with a summary of 1957 SPCA activities. He said the SPCA would continue its programs in all fields. A banquet wrapped up the day's schedule.

## New Buildings Erected At Forestry Commission

New buildings continue to sprout as quickly as pine seedlings at the Georgia Forestry Center on Riggins Mill Road. Over \$180,000 worth of construction is under way.

Just completed is a sprawling 32-vehicle truck shed. Awaiting installation of its roofing and sides is a new aircraft hangar which will house the Georgia Forestry Commission's four planes.

And work has just started on the nation's most modern pine cone curing shed. A seed extracting plant will be erected next to it shortly.

The new cone and seed plant is due to be completed late this summer for use during the 1957 cone collection and processing season.

Forestry Commission Director Guyton DeLoach said the \$163,000 plant is not only the most modern in the nation, but it is also the only one designed and built specifically for this purpose.

Utilizing the latest machinery and techniques, the plant will cure 3,000 bushels of pine cones and extract 1,500 pounds of pine seed daily. Four to six new personnel will be hired to help operate the plant.

The extracting plant will be three stories high so that gravity can be used in the seed treatment, Reforestation



HANGAR

Chief Sanford Darby said. The cones will be lifted to the top floor, from which they will roll or drop to each processing area.

Also the cones will be chopped up and the resulting mulch will be used as fertilizer at the Commission's nurseries.

The cone curer will have 12 individual curing rooms which will result in more efficient labor utilization. Each room is filled with cones and the heat turns them into seed. The workers can move on to the other rooms.

The \$13,000 truck shed will include a warehouse. The hangar will cost \$8,000 and will house the Commission's entire "air force."



TRUCK SHED





ASSISTING IN FORESTRY RESEARCH



UTILIZING LIBRARY FACILITIES



PROPER METHOD OF BINDING BOOKS



GETTING BOOK FOR CUSTOMER

## *Forestry Library Filled With Facts, Fiction, Fun*

One of the outstanding attractions of the new Georgia Forestry Commission headquarters building is the library. Forest researchers from all parts of the state have been attracted to the compact cubicle which contains one of the largest collections of forestry information in Georgia.

Boasting more than 700 volumes of technical and reference books, the library is operated as efficiently as any hometown bookhouse. It also houses some 100 periodicals and a complete forestry film collection.

Custodian of the printed word is Mrs. Myrtle Knight, better known as "Charleston." Taking the lead from established book lenders, she has cross-indexed each book to allow easy access for visiting researchers.

The library facilities are available to anyone interested in finding forestry facts. Open five days a week, the librarian is on duty to give assistance to anyone needing help on research projects.

Books may be checked out for two-week periods. Film is available on loan, provided requests are made five days in advance of showing date and returned within five days after showing. The film library contains about 50 reels of forestry films and some 20 comedy reels featuring the latest Hollywood cartoon characters.

*(Continued on Page 10)*



THE AUTHOR SPEAKS--Dr. Kenneth P. Davis, gives a talk on his recent analysis of Georgia forest fires.

## Southern Fire Chiefs Attend 18th Fire Control Conference

Soundforest management is the best assurance that the "sleeping giant" of blowup wildfires in the South will lay undisturbed. That observation was made recently by Dr. Kenneth P. Davis, chairman of the University of Michigan Forestry School, who last year conducted an on the scene survey in Georgia of forest fire problems and research needs.

Addressing the 18th annual Southern States Fire Control Conference at Macon, Dr. Davis stressed the importance of prevention in curbing existing fire hazards. He listed the major areas where research is needed in the South as fuel studies, fire weather and improved equipment.

"City fire departments urge citizens to correct faulty wiring, clean up cluttered attics and avoid smoking in bed as a part of their fire prevention programs," he said. "Foresters could benefit from such a program. If landowners cleared away the debris and undergrowth in their woodlands, the fire hazards would be reduced considerably."

Dr. Davis noted that while some progress has been made in fuel and weather research, a great deal remains to be discovered to establish a workable forest fire control program.

Other speakers were Jack Fortin, U.S. Forest Service; L.E. Hughes, U.S. Weather Bureau at Tallahassee, Fla.; W.D. Rake, U.S. Borax and Chemical Company at Los Angeles, Calif. and S.D. Beichler, U.S. Forest Service.

The three-day meeting dealt with a general survey of fire control improvements in all participating states, including advancements in chemical fire retardants, new equipment, fire weather research and general administrative and organizational innovations.

Representative states were Georgia, Florida, South Carolina, North Carolina, Arkansas, Oklahoma, Louisiana, Mississippi, Alabama, Tennessee, Missouri and Texas.

## Forestry Scholarship Winners Announced

Winners of four college forestry scholarships were announced recently by Union Bag-Camp Paper Corp. and Gair Woodlands Corp., both of Savannah.

Three Union Bag-Camp scholarships were awarded James E. Allen, Savannah; Tommy Davis, Marshallville and Donald Lee Boyd, McRae. All three scholarships provide for a four-year course in forestry at any recognized forestry school east of the Rocky Mountains. Each winner will receive a \$600 initial grant and tuition expenses up to \$1,000 a year. The boys plan to begin the forestry education this fall.

Robert Neil Kitchens of Thomson won the 1957 Gair Woodlands forestry award. The scholarship is for \$500 a year for a full four years study in forestry at the University of Georgia.

James Allen, son of Mr. and Mrs. B.E. Allen graduated from Savannah High School this month. He has been active in extracurricular activities, participating in the Beta Club, Hi-Y and DeMolay. He is vice president of Student Council and played varsity football in 1955 and 1956.

### Scholarship Winners

Tommy Davis graduates from Fort Valley High School this spring with a very high scholastic record. His activities include football and basketball, the Drama Club, president of the Key Club, editor of the annual Glee Club and vice president of the junior class. He is the son of J.T. Davis of Marshallville.

Donald Boyd will graduate from the McRae-Hele High School this month. He has been active in the Beta Club, president of the Senior Class and participated in 4-H work. He was captain of the varsity basketball team, was on the track team, the debating team and the school paper. He is the son of H.L. Boyd of McRae.

Robert Kitchens receives his diploma from Thomson High School this month. There he was outstanding in many student activities including the F.F.A., Hi-Y, debating team and the Key Club. He was also active in sports including baseball and basketball.

### Selection Committees

Final selection of the three Union Bag-Camp scholarship winners was made by a committee consisting of Union Bag-Camp officials and representatives of the forestry schools at Auburn, Georgia and Florida.

The Gair Woodlands scholarship winner was selected by a Final Award Committee composed of Prof. B. Grant, Acting Dean, Forestry School, University of Georgia, Athens; Dr. L.A. Hargreaves, Asst. Director, Georgia Forestry Commission, Macon; Mr. James F. Spier, Area Forester, Southern Pulpwood Conservation Association, Statesboro and Eugene D. Martin, Forester, Gair Woodlands Corp., Savannah.

Both Union Bag-Camp and Gair Woodlands award the scholarships each year to create a greater interest in the study of forestry among outstanding Georgia high school graduates.



## Guyton DeLoach Climbs To Top Of State Forestry Totem Pole

*Editor's Note: This is the final in a series of biographical sketches of George Foster Peabody School of Forestry alumni. For the past 10 months GEORGIA FORESTRY has presented a cross-section of graduates as a tribute to the school's current Golden Anniversary Celebration.*

Guyton DeLoach, director of the Georgia Forestry Commission, climbed to the top of the state's forestry totem pole and didn't miss a step. And the progress the state agency has made under his direction has assured him a pretty secure position in the number one spot.

A native of Claxton, Ga., where he received his primary and secondary education, DeLoach was graduated in 1939 from the George Peabody School of Forestry. Two years later, he landed his first job with the commission as county ranger at a salary of \$115 a month. For the next six years, he served as district forester before being promoted to assistant director in charge of fire control, a position he held for the next five years. He was appointed commission director in June, 1949.



GUYTON DELOACH

When DeLoach took over the reins of the commission, its total annual budget was \$866,000, which included a state appropriation of only \$173,350. At that time Georgia had 45 counties under organized fire protection. Since then the commission has grown to include 146 protected counties with an appropriation of \$1,992,170 and a total budget of \$4,387,767.

During his tenure, Georgia forestry has risen to lead the nation in amount of private and state forest acreage under organized protection. The commission also leads the nation in the number of tree seedlings grown and planted annually, with an anticipated output of about 200 million this year.

DeLoach helped organize the Georgia Forest Research Council and has been associated with it actively since its creation. He also serves on the State Board of Registration for Foresters. He is currently national chairman of the Cooperative Forest Fire Prevention Committee which sponsors the annual Smokey Bear campaign.

Under DeLoach's leadership, the commission's forest management program has become one of the nation's most



MAJOR, THE FIREFIGHTING DOG

## Jasper-Jones Unit Owns Husky Fire Fighting Dog

Big Dalmatian dogs bounding along behind a smoking, horse-drawn fire engine were a familiar sight in the good old days.

The advent of speedy fire trucks sidelined the dogs, but the Jasper-Jones Forestry Unit now boasts its own fire dog—a husky 65-pound German Shepherd owned by Patrolman Jack Bailey of Monticello.

Major, only eleven months old but already as big as Smokey the Bear himself, is inseparable from his master during the day. At night, it's another story, Jack says, as Major takes off to answer the call of the wild.

Major rides to work with Jack, perched beside him on the seat. Usually, Major is not dignified, though. He likes to poke his head out the window and take in the scenery.

Comes a fire and Major bounds into the truck cab, rarin' to go. At the fire, he unloads himself, waits patiently until the tractor is ready to do, and then he follows right at the heels of the tractor, which his master is driving.

Major decided to venture out of the fire break one day. He saw something interesting in the burned area, so he took off across the burned area.

But he came to a screeching halt for the warm pine straw gave him a quick four-footed hot foot. He retreated hurriedly to the moist, freshly-turned up earth in the break to cool his tender foot pads.

Thus Major learned the fundamentals of fire control the hot way. Now he watches his step, which is what firebugs in Jasper and Jones Counties had better do.

outstanding. In its fire control activities, he was instrumental in helping to establish an all-time state record last year of less than one half of one percent burn in Georgia's total protected area.

His leadership has developed a model forestry program in the state which stands at the forefront of the nation's forestry activities. To maintain this position, he is constantly developing new techniques and encouraging research to explore areas that will lead to better forestry in Georgia and the nation.

# Round-Up Of Ranger News

R.E. Sullivan, president of the Sullivan Lumber Co. in Preston and W. Kirk Sutlive of Union Bag-Camp Paper Corp. in Savannah have been named members of the Georgia Forest Industries Committee. Hobart Manley of Savannah was elected 1957 chairman.

The appointment was announced by Vertrees Young, president of American Forest Products Industries, Inc., Washington, D.C.

R.T. Kirkland of Douglas has been promoted to ranger of Ware County Forestry Unit. He replaces Bill Tvedt who resigned recently to accept a position with a pulpwood dealer in southwest Georgia.

The new Ware County ranger was assistant ranger of the Coffee-Atkinson County Forestry Unit for more than five years.

Ray Clements, son of Mr. and Mrs. Tom Clements of East Crisp Community recently won a defense bond for being "The Crisp County school child who during the year has done the most to promote good forestry."

This is the first year the award has been offered in this category, and it will become an annual event. The recognition is sponsored by the Crisp County Keep Green Council and the bond was donated by Judge O.T. Gower, Crisp's "forester emeritus."

Clements is a member of the eleventh grade at East Crisp School and has carried on a forest management program for the past five years, including the planting of several large tracts of land.



**FINISHING TOUCHES**--Hall-Banks Ranger Earnest Rolan is shown putting the finishing touches on the original tower sign he and his unit personnel designed and constructed. There is a similar sign for each tower in the counties.



**HONOR AWARD**--Reforestation Chief Sanford Darby was presented with an Honor Award by the Davisboro chapter of the Woodmen of the World at a recent barbecue at the Davisboro Nursery. Presenting the framed scroll to Darby is Thomas E. Willingham, consul commander, while the Rev. J.M. Branch, main speaker looks on. Nursery Supt. Frank Pullen was host at the event attended by some 100 persons.

Some 70 members of the Florida-Georgia-Alabama Section of the Forest Products Research Society met June 2 at the Purefoy Hotel in Talladega, Ala., for their annual spring meeting.

Highlighting the two-day session was an inspection tour by chartered buses throughout the Talladega area where the group visited established debarking and chipping operations. Plants visited included Timber Products Co., Inc., at Anniston; The Sterling Lumber Co., at Goodwater; W.E. Dunnam Lumber Co., at Weogufka; Coosa River Newsprint Co., at Childersburg and the Soderham Machine Mfg. Co., Talladega.

At a banquet that night, the group participated in a panel discussion moderated by Rufus Page, forest utilization technologist with the U.S. Forest Service and Georgia Forestry Commission and chairman of the section. Panel members were Jack Thurner, Timber Products Co., Inc.; W.E. Dunnam, Dunnam Lumber Co., Gus Jacobson, Soderham Machine Mfg. Co., and Arthur Wakeman, Coosa River Newsprint Co. The discussion centered around methods of recovering waste fibers from portable sawmills, medium size sawmills and slab concentration yards.

Officers and trustees of the section met the following morning to map out plans for the winter meeting. They also discussed plans for participating in the fund raising building at Madison, Wis. Attending the meeting were Ray Osborne, Gus Jacobson, Ralph Peter, Windel Vickrey, Louis Gaby, Alex Skoropat, Billy McComb and Rufus Page.

The Soderham Machine Mfg. Co. served as host for the meeting.





**TESTING, ONE..TWO--**Gov. Marvin Griffin tries out the office equipment during the Forestry Commission dedication in April. Looking on are (seated, left), John M. McElrath, Macon; (standing, L to R), C.M. Jordan Jr., Alamo; Sam H. Morgan, Savannah; Kenneth Dunwoody, Macon and Guyton DeLoach, director, Georgia Forestry Commission, Macon.

## Forestry Library. . .

(Continued from Page 2)

Future plans call for establishing the most complete forestry library in the Southeast. The library caters especially to foresters, forestry students, forest industry personnel and public school teachers; but the general public is invited to use its facilities at any time.



**WHAT'S THAT TITLE?--**Mrs. Knight locates books through the use of the library card catalogue.

## Georgia Women's Clubs State Forestry Essay Contest Winners

Georgia will be a more beautiful and wealthier state because of work of the Conservation Department of the Georgia Federation of Women's Clubs.

The main project for the club year just closed was a statewide forestry essay contest open to sixth and seventh grade children. The title of the essay was "Trees are Important to Georgia Because..." There were 2,899 participants.

The Georgia Forestry Assn. gave \$310 to be used for prizes in the essay contest. Top winner was Miss Sammie Maxwell, a seventh grader at Tallulah Falls School. She received \$25 in cash and an original drawing of Smokey the Bear by Harry L. Rossoll.

Second prize winner was David Willett, seventh grader from St. Joseph's School in Athens. He received \$15. Since there was a tie for third place, duplicate prizes of \$5 were given to Mary Lynn Johnson, Garfield School near Swainsboro and Jackie Bowen, Fitzgerald.

There were duplicate prizes for negro children in Georgia, the first place being won by Mary Alice Strawbridge, of the Emanuel County Elementary School; the second by Beverly Gaither, of the Comer Grade School at Comer; and the third by Mary E. Thomas, of the Atkinson Training School at Pearson.

"We are more than pleased with the results," stated Mrs. Chester E. Martin, of Atlanta, State Conservation Chairman for the Georgia Federation, "and believe that the children who worked on this contest will have a better understanding of Georgia's resources and the need for their wise use."



**TAKE A LETTER--**Mrs. Clarice Manry of Americus tries out the lap of her boss, Guyton DeLoach, director of the Georgia Forestry Commission, at a meeting of the commission's district office secretaries. Standing (L to R), are Mrs. Mabel Holder, Camilla; Mrs. Mary Jo Keys, Milledgeville; Lawrence Osborn, Waycross; Miss Elsie Scoggins, Rome; Mrs. Marion Jordan, Washington; Mrs. Karen Brown, Newnan; Mrs. Mamie Murphy, Albany; Miss Bessie Ray Evans, Dawsonville; and Miss Frances Stanley, McRae. Seated (L to R), are Mrs. Mary Frances Neal, Reidsville; Mrs. Manry and DeLoach; Mrs. Jackie Bohler, Statesboro, and Mrs. Zella Wilbanks, Gainesville.

# Georgia Forestry June, 1957

## CONGRATULATIONS SENIORS

We congratulate you upon your attainments and high ambitions. Wood-using industries and Tree Farms have played a part in your past. We hope they will be still more important in the future.

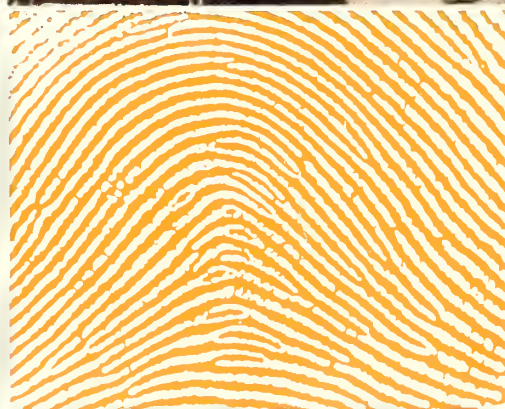




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# FORESTRY



Investigation goes scientific  
July, 1957



# Editorial

## Summer Tree Cutting

(From the Atkinson County Citizen)

Fears many timber owners have of their forests being attacked by insects if trees are cut during the summer are unsupported by facts, an Agricultural Extension Service forester said this week.

George D. Walker, University of Georgia College of Agriculture, pointed out, however, that there have been some insect attacks following summer cutting operations because of careless woods practices or cutting during a period of drought.

The forester listed three conditions which, if met, should eliminate any fear of summer cutting. They are:

1. There should be a normal amount of rainfall and the trees should not be suffering from a drought or any other weakened conditions such as fire.

2. Care must be taken in the woods. No lodged trees should be left. Tops should not be left against standing trees. Severely injured trees, and trees with broken tops, should be removed.

3. If a sawtimber cut is made, it is best to follow up immediately with a pulpwood operation on the tops and larger branches. By removing these larger stems, the insects have little or no chance to build up.

Walker stated that, with the present marketing systems for forest products, sales must continue the year 'round. "If anything affects the orderly marketing of forest products," he said, "the results eventually will be felt by original producer."

## Boys Forestry Camp Seen As A Worthwhile Project

(From the Waycross Journal-Herald)

More than 100 4-H Club boys are at Laura S. Walker State Park learning how to grow better trees.

This is the thirteenth time that the South Georgia Forestry Camp has been held in Ware County and we are told that the annual project has been highly successful.

4-H Club boys from more than 50 counties in South Georgia earn the right to attend the camp here on the basis of outstanding work they have already done in forestry in their home communities.

Their instructors are the best qualified men in the state in the forestry field. They represent governmental agencies and private forestry interests.

Tree identification, reforestation, thinning pine stands, forest insects and diseases, measuring forest products and harvesting and marketing are among the subjects being studied.

In addition to instruction in these and other forestry topics, the boys attending the camp take time out to visit the Okefenokee Swamp Park and to tour the Union Bag Corp. plant in Savannah. Union Bag sponsors the camp.

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Guyton DeLoach, Director

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This is one of the most worthwhile projects conducted in our state each year in the field of agriculture. The boys who attend the forestry camps here receive the kind of training that enables them to become leaders of Georgia's growing forestry industry.

This is the kind of far-sighted venture that, like the reforestation program, pays off richly in the days ahead.

## This Month's Cover

State forestry employees are getting a new insight into their personalities as commission sleuths enter the last lap of fingerprinting all commission personnel. District investigators are busy collecting the many whorls, loops and swirls that pound typewriters, grow trees and fight fires in Georgia. The prints will be filed to help eliminate suspects involved in Commission thefts and illegal enteries. They also will help point the finger of suspicion at careless wood burners. The fingerprinting chore is taking less time than first believed, since all investigators were quick quality in the print-taking technique. Prints of all field personnel soon will be completed, and the central office employees are preparing to ink their fingers.

# PREVENT FOREST FIRES!





DARBY, DELOACH, HARGREAVES LOOK AHEAD, SEE 55 MILLION MORE SEEDLINGS IN '58

## Commission To Build New Tree Nursery

A new forest tree seedling nursery, designed to have the world's highest production, will be constructed at once by the Georgia Forestry Commission in Houston County not far from Macon, Director Guyton DeLoach announced.

The 140-acre, \$416,000 project, located 15 miles south of Macon on U.S. Highway 41, will be planted for the first time next spring, DeLoach said. The nursery will boost Commission seedling production to a projected 250 million annually.

The entire 105-acre plant bed acreage will be planted in March, 1958, Reforestation Chief Sanford Darby said. Thereafter, only half--for an annual output of 55 million seedlings--will be cultivated each year. Darby said that production will exceed even that of the gigantic new Page Memorial Nursery in Toombs County, which has more total area, but less seed bed acreage than the new nursery.

DeLoach said the nursery site was chosen for its size, topography, soil texture and proximity to the Georgia Forestry Center.

"We plan to use the nursery as part of our research program," DeLoach said. "The fact that it is only 15 miles from the center of Macon will facilitate its use by Forestry Center personnel. Its convenient location will also increase its educational value, for we will be able to take many visitors to the Forestry Center on tours of the nursery. Motorists on busy Highway 41 will also get a first hand picture of its operations.

The nursery is being financed primarily by a \$366,000 grant of Soil Bank funds. "The new nursery, like Page Memorial, is being constructed to meet the unparalleled demand caused by the Soil Bank for forest tree seed-

lings," DeLoach said.

The state of Georgia contributed \$35,000 towards the construction; the Macon Area Development Corp., a subsidiary of the Macon Chamber of Commerce, \$12,500 and Houston County, \$2,500.

J.K. Jones, superintendent at Horseshoe Bend Nursery at Glenwood, will direct the new nursery. George Sanders, now at Page Nursery, will be the assistant superintendent.

Ralph Donald Jones, a Page reforestation assistant, will be the new Horseshoe superintendent. He will be assisted by F.M. Durden, now also at Page.

The new nursery will feature an innovation in the seedling handling buildings. The packing, equipment, supply and seedling holding sheds will be incorporated into a single 100 by 160-foot structure which will have another 1,000 square feet of office space. The building will cost \$75,000.

Brick homes for the superintendent and his assistant will be constructed at the nursery for a cost of \$28,000 for the pair.

The nursery will have a \$194,000 irrigation system which will include over 3,000 sprinkler heads, 25 miles of various-sized pipe and one large or two small wells producing 1,700 gallons per minute. The land will be levelled and a drainage plan, which will eliminate all low places, will be completed before the irrigation system is laid, Darby said.

The nursery will employ from 15 to 75 local laborers during the grading and packing season. It will have a permanent crew of six.





BEAUTIES REIGN OVER FORESTRY FLOAT

## Two "Smokeys" Attend Putnam Dairy Festival

Smokey the Bear himself and Smokey in costume made their initial appearances last month in the annual Putnam County Dairy Festival at Eatonton.

Thousands of spectators from central Georgia jammed the streets of Eatonton to view the lavish spectacle, which featured beauteous floats and girls galore.

As usual, both Smokeys were great hits with the crowd. The kiddies especially enjoyed the antics of Towerman Gene Griffin, who wore the Smokey costume.

Griffin and several Putnam County beauties decorated the forestry unit float, which was covered with pine boughs and signs. Putnam County Ranger Jerry Ridley and forestry unit personnel designed and built the float.

One of the brightest ornaments on the float was Miss Betty Massey, who was third in the festival beauty contest. Riding with her were Misses Yvonne Humphreys, Gwen Rogers, Dianne Winslette and Connie Sanders.

Accompanying the high school lovelies were two tiny future beauty queens--Ranger Ridley's daughter, Medina Lynn, and Louann Harper.



SMOKEY THRILLS THE CROWD

## Homelite Chain Saw To Sponsor Management Demonstration

Fifty potential foresters from North and Central Georgia will take to the Richmond County woods August 18 for a week-long forest management demonstration and camp sponsored by Homelite Chain Saw Co. and taught by Georgia Forestry Commission personnel.

Rising high school seniors from 44 counties have been selected to attend the camp by Homelite dealers and Georgia Forestry Commission county rangers. They were chosen for their interest in forestry.

### Camp Bosses

Tenth District Asst. Forester William Schultz of Washington will serve as camp boss. He will be in charge of first aid and recreation. J.W. Chambers, Richmond County Agent, will serve as assistant camp boss.

Tenth District Asst. Forester John Harrison of Washington and a forest management field asst. from the Commission Headquarters at Macon will teach forest management.

Roy Daniell of Atlanta, Homelite Georgia Representative, will be in charge of the saws and cutting. Richmond County Ranger T.M. Strickland of Augusta is assisting in camp planning.

### Class Periods

The campers will arrive Sunday, August 18. Monday through Friday they will attend morning and afternoon classes in the field and study equipment maintenance. There will be daily athletic periods.

Special entertainment has been planned for each night including movies, skits and talks. A square dance with Richmond County Home Demonstration Club girls on Friday night will highlight the recreation.

Graduation exercises will be held Saturday morning when awards will be made to the outstanding campers.



GOING OVER THE PROGRAM--(L to R), George Collier, J.W. Chambers, R.M. Daniell and T.M. Strickland plan the program of the demonstration sponsored by Homelite Chain Saw Co.





DADE COUNTY FORESTRY CLUB COMMITTEE



DEMONSTRATION CLUB OFFICERS

## Dade Citizens Form First Forestry Club

Concerned over the comparative low yield of their forests, Dade County citizens recently took matters into their own hands and decided to give their sagging forest economy a shot in the arm.

Calling on the various state and federal forest agencies for guidance, landowners, farmers and businessmen throughout the county met at the Dade County High School and formed the Dade County Forest Demonstration Club--the first organization of its kind in the state.

J.A. Case of Trenton was elected president and Miss E. Cureton of Rising Fawn was named secretary-treasurer.

According to Dade County Agent L.C. Adams, "The ultimate goal of the club is to obtain, and then keep maximum forest production on the 83,000 acres of woodland owned by more than 600 landowners in Dade County." He said this will be done by encouraging at least 125 landowners to conduct educational forestry demonstrations on their property during the year. "Since our objective hinges strongly on educating and informing the public as to the benefits of sound forest management," he said, "we can best fulfill our goal by showing county landowners how their forests can be improved."

Each of the participating forest agencies agreed to do its share in helping to promote the club's aims. They all pledged to work with assigned landowners in the county in developing individual management programs.

At the second club meeting, success of the program was virtually assured. Representatives of the forest agencies reported that every landowner contacted has agreed to adopt the recommended management programs.

Participating agencies are Georgia Agriculture Extension Service, TVA, Georgia Forestry Commission, two

area pulp mills, consulting foresters, U.S. Forest Service and several Dade County sawmillers.

"We've got the ball rolling now," Case said, "and it will only be a matter of time until Dade County once again will enjoy a sound forest economy."

## New Counties Initiate Forest Fire Protection

Two more counties came under fire protection of the Georgia Forestry Commission at the start of the new fiscal year, July 1, Director Guyton DeLoach announced. 147 of Georgia's 159 counties are now under organized fire protection.

Taliaferro County in District 10 will be combined with the present Greene County Unit under Greene Ranger H.E. "Buster" Moore. An additional fire suppression unit, consisting of a tractor and transport truck, will be stationed in Taliaferro.

The portion of Lanier County in District Eight which is not protected by the Consolidated TPO unit will come under the protection of the Lowndes County unit, E.P. Eubanks, Jr., ranger. A new fire suppression unit has been purchased for the unit.

Three counties which were under Commission protection have been combined, after the approval of their forestry boards, with adjoining counties' forestry units. "This will provide increased efficiency and economy of operation," DeLoach said.

In District Three, Dooley County has been combined with Crisp County under Crisp Ranger Bobby Christian. In District Four, Spalding County has been joined with Pike County under Pike Ranger John Osbolt.

Another District 10 change combines two counties--Elbert and Madison--under a 1957 graduate of the University of Georgia School of Forestry. Marvin Burgess of Toccoa will take over the new combined unit, with headquarters at Elberton. Both counties previously had acting rangers.



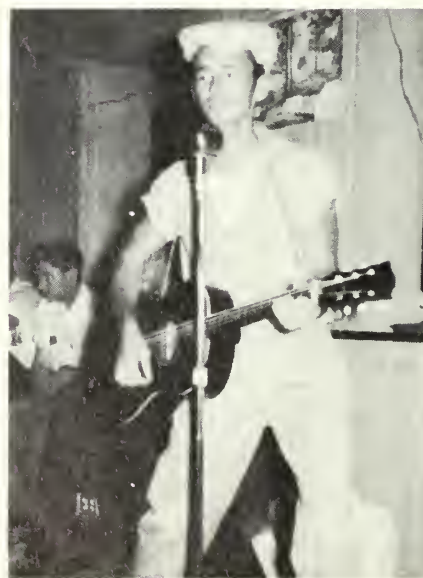
"SWING YO PODNER"



COTE WRAPS THE SURPRISE



THE FIGHTING FORESTER



A YOUNG "ELVIS"



AN INSTRUMENT

## FFA'ers At Boys

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Forestry Commiss  
Chief Frank Crave

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BOYS LOOK OVER "MONSTER" WHICH MAKES BIGGER FIRE BREAKS



FIRE CHIEF JIM TURNER SHOWS 'EM HOW

## Study, Win Forestry Camp

Future Farmers who may be interested in forestry studied and played for a month at the 1957 SPCA Forestry Camp at State Park.

Bill Bray, manager of the Southern Pulp Mills, conducted the camp. Information and Education was camp director.

Commission and private industry, forest management, marketing and mensuration.

Prizes were not go unrewarded. Prizes were given to students, camper and athlete. Nashville made the highest score at the end of the week and re-

A box went to Billy Ross of Nashville. A hunting knife went to Bobby Bragdon of Nashville. A flashlight went to Bobby Bragdon of Nashville. A hunting knife.

Students attended classes Tuesday through Thursday. Several afternoon sessions of recreation, including swimming.

A dance with Home Demonstration was held. A tour of Okefenokee Swamp was given. A lecture and trumpet recital by artist Harry Rossoll of At-



BILL BRAY TEACHES MARKETING



JIM SPIERS TEACHES FIRE CONTROL



HANK WILLIAMS TEACHES TREE IDENTIFICATION



FRANK PRESENTS THE PRIZES





ED KREIS HOLDS UP DISEASED TREE FOR T.B. HANKINSON



"PUT A LITTLE ON THE TREE AND WATCH THEM SQUIRM," SAYS JULIAN REEVES

## Vo Ag Teachers Attend Statewide Forestry Clinics

It's vacation time for Georgia youngsters, but not for high school vocational agriculture teachers. Once again this summer they're attending the Trust Company of Georgia's statewide forestry clinics.

Georgia Forestry Commission, state vo ag department and industry foresters and University faculty members are teaching the four-day clinics at Athens, Carrollton, Vienna, either Screven or Patterson and Ft. Valley.

The Department of Education-sponsored clinics include courses and field demonstrations in fire, insect and undesirable tree control, tree identification, forest economics and management, measuring and marketing.

Forestry Commission personnel turned pedagogue for the clinics include Fire Chief James Turner, Asst. Chief Curtis Barnes, Asst. Management Chief T.B. Hankinson and Seventh District Forester Julian Reeves. Other instructors include Vo Ag Forester Ed Kreis, University faculty member Reid Parker and graduate assistant Erwin Dumbroff.

District Foresters George Collier of Washington and James Henson of Newnan and Asst. District Forester Donald Stewart of Camilla have or will participate in the fire control field demonstrations along with Rangers Verla Smith of Athens, B.J. Bivins of Carrollton and Boyd Alexander of Newnan.



A LITTLE SQUIRT IS ALL IT TAKES



WATCH OUT FOR BRUSH FIRES



RANGER VERLA SMITH OPERATES HOSE AS GEORGE COLLIER GESTICULATES UNDER TOWER



JIM HENSON'S NOT LOOKING FOR LOST TRACTOR-HE'S READY TO BEGIN FIRE CONTROL TALK



## Oldest Active State Sawmill Found On Haynes Creek Bank

A little more than 70 years ago, O.L. Costly's daddy set up sawmill on the banks of Haynes Creek, seven miles east of Conyers, and "it ain't stopped running yet." The younger Costly, who is only 77 now, operated the water-powered mill until four years ago, when he had to have a diseased left foot amputated.

"I can't get around too good nowadays," Costly said, "but the old mill can buzz along just as good now as it did when I was a boy." He said he recalled when some 4,000 board feet of lumber were cut by the 42-inch circular blade. "It's a mite rusty now because it hasn't been used much since I lost my foot," he said, "but it'll still make toothpicks out of any log."



OLDEST ACTIVE SAWMILL IN GEORGIA

Believed to be the oldest active sawmill in the state, the parts were manufactured in Atlanta by the DeLoach Mill Manufacturing Co., a firm long since defunct. Costly said he made the 40-mile journey in a wagon with his father to pick up the parts.

The sawmill is housed in a shed adjoining a grist mill which Costly says uses an English mill stone that is more than 100 years old. Both the grist and sawmill formerly were powered by overshot wheels turned by the swift Haynes Creek waters, the white-haired mill owner recollected, but a disastrous fire about 40 years ago ruined the machinery of the overshot wheels so they were replaced by turbine wheels. "At one time," he said, "business was so good we had four overshot wheels running at the same time."

A raised wooden trough directs water from the creek into two spillways encased in 20-foot high housings constructed from dove-tailed wooden slats. The water falls freely into the enclosed spillways and turns the turbine wheels set at water level. A complicated assortment of metal shafts, wheels and leather belts transfers the power from the turning turbines to

(Continued on Page 10)



SAWMILL CONFERENCE DELEGATES

## Sawmillers Hold Annual Conference In Trenton

Lumbermen, sawmillers and landowners recently solved a riddle in arithmetic at the annual Sawmill Conference at Trenton. Asked by Extension Forester C. Dorsey Dyer "When is 12 twice as much as 10?", the seasoned woodsmen quickly answered it always is true when sawing timber.

Dyer proved the axiom to the skeptics among the more than 100 participants by displaying two piles of lumber sawed from representative trees. The pile sawed from the 12 inch tree was twice the size of that sawed from the 10 inch one.

The extension forester urged the group to concentrate on sawing larger trees to the benefit of both landowner and sawmill. He said many sawmills are going out of business because they are losing money through poor management and because they are cutting small timber. This also hurts the landowner, and the state as a whole, he pointed out, because it depletes future timber supplies and reduces sawtimber yield per acre.

(Continued on Page 10)



B.C. COBB TALKS TO THE SAWMILLERS



# Round-Up Of Ranger News

LeRoy Page has been named by the Turner County Forestry Board to replace Max Gay as ranger for the Turner Forestry Unit.

A native of Wheeler County, Page was a member of the county forestry unit staff for 14 months. He is a graduate of Wheeler County High School.

New headquarters are now being erected for the Emanuel County Forestry Unit in Swainsboro, according to Leon Ray, county forester.

Located south of Swainsboro on U.S. Highway 1, the new building will be 42 by 60 feet. Ray said the new headquarters will include space for offices, standby room, supply room, bath and garage. A portion of the building will be for storage and housing forestry equipment.

Crisp County Forestry Board recently elected vice-chairman Holt Walton as acting chairman. He succeeds the late R.R. Rogers who died early last month.

D. Loron Williams, chairman of the County Commission, said the commission at its next meeting will accept and consider recommendations to fill the vacancy.



**TAKING THE OATH**--Gov. Marvin Griffin is shown swearing in the newest member of the Forest Research Council, B.M. Jones, Dallas, Ga.

Replacing Decatur County Ranger Palmer Rich is Robert Hall of Newton. Rich is taking a leave of absence for six months duty in the Army.

Hall attended Abraham Baldwin Agricultural College last year and plans to enter Georgia Southwestern College during winter quarter.



**LOOKING IT OVER**--District Forester Hugh Allen looks over the site of his future Second District headquarters. This district is the only one in the state not having a new headquarters.

David Hancock of Redding School won first place in the county 4-H Junior Forestry competition at Bibb County Forestry Unit headquarters.

Second place went to Richard Haflen of Heard School for a talk on Pine Bark Beetles of Georgia. Young Hancock's winning address was on Identification and Uses of trees.

The winner will represent Bibb County 4-H clubs at the district meet at Americus in August.

Contest judges were Bibb Forest Ranger H.P. Stapleton and County Agent D.F. Bruce.



**TO YOU I GIVE**--Guyton DeLoach, (L), presents certificate of appreciation to Russell Z. Eller for his contribution in the Cooperative Forest Fire Prevention Campaign.



## Oldest Sawmill. . .

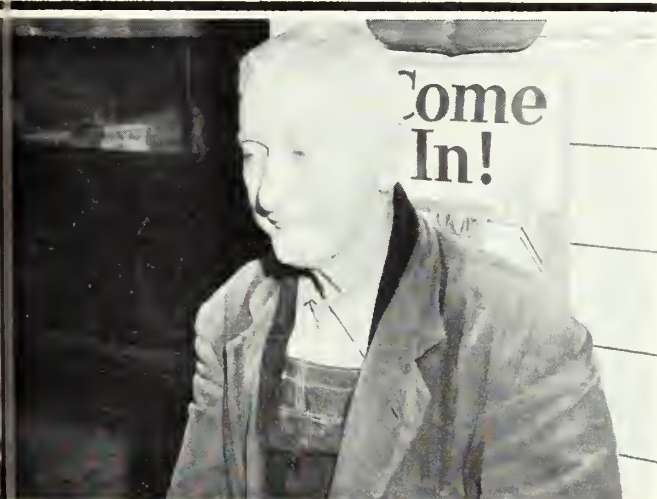
(Continued from Page 8)

the sawmill and the grist mill. The motion of the saw or the mill stone can be stopped or started by removing or replacing any one of the drive belts.

In addition to the circular saw, Costly has still another unique machine stationed in the sawmill. It's a planer large enough to dress 24-inch lumber. "I don't know if there's another one in the whole state," Costly admitted, "but I've had people come to me from all over Georgia to dress wide lumber on the planer."

Although the sawmill and Costly appear to be in good condition despite their years, the old gentleman says they're not about ready to retire. "Me and the mill are a little rusty," he said, "and although it's still going strong, I'm about worn out." He said he now is planning to sell the mills and some 700 acres of land and live a life of leisure.

Costly took pleasure in pointing out that the saw mill still can cut lumber "with the best of them." "It can cut it cheaper, too," he declared, "because you don't have to keep priming it with fuel."



O.L. COSTLY

## Sawmill Conference. . .

(Continued from Page 8)

The conference opened in a 70-acre tract of timber owned by J.A. Case where several talks and demonstrations were held. It then moved to the A.L. Dyer Lumber Co. where the group witnessed good sawmill practices and discussed the future of the lumber business.

Speakers on the program were Dyer, Master of Ceremonies Prof. B.F. Grant of the University of Georgia Forestry School, Charles Place of the Georgia Forestry Commission, Ben C. Cobb of the TVA, Rufus H. Page of the Georgia Forestry Commission and U.S. Forest Service and E.A. Clevenger of Corley Manufacturing Co.

Sponsoring the conference were the TVA, Georgia Forestry Commission, U.S. Forest Service, Georgia Agricultural Extension Service, University of Georgia and Dade County Forestry Demonstration Club. The A.L. Dyer Lumber Co. served as host.



UP HERE--Sanford Darby explains the Commission's methods of handling seedling orders and distribution.

## USFS Holds Training Session For Forest Tree Nurserymen

Forest tree seedling nurserymen from three Southeastern states attended the recent U.S. Forest Service training session at the Athens Center for Continuing Education.

Over 60 state, federal, paper industry and private nurserymen from Georgia, Alabama and Florida attended the meeting. Floyd Cossitt, USFS nursery specialist from Atlanta, served as moderator for the three-day event.

Cossitt and other specialists presented papers and led discussions on cone collecting, seed handling and testing, cultural techniques in growing nursery stock, soil management and diseases and insect control. A tour of the Georgia Forestry Commission's Hightower Nursery at Dawsonville was another feature of the meeting.

Forestry Commission Reforestation Chief Sanford Darby was one of the speakers. He explained the Commission's methods of handling seedling orders and their distribution.

The Commission's key sort card system of order processing was recently commended by the Forest Service for its excellence and its adoption was recommended to all state nurseries by Region Eight office.



FLOYD EXHIBIT--Above is the Floyd County Exhibit set up during the initial festival of the Floyd County Wildlife Assn.

# Georgia Forestry July, 1957

## YOU DON'T USE A SAWLOG FOR A FISHING POLE!

But the forests are mighty important —  
if you want to keep catching the big ones.  
The forest watershed protected from fire  
provides clear runoff water for lakes  
and streams.



Let's Protect the Forests from Fire



Georgia



# FORESTRY



August, 1957

Announcing  
The  
Arrival  
of...



## Deserving Recognition

—(From the *Vidalia Advance*)

Georgia's newest tree seedling nursery, now being constructed on U. S. Highway 41, some 15 miles below Macon, will be named the "Phillip Morgan Nursery," in honor of the first chairman of the Georgia Forestry Commission, it has been announced by Gov. Marvin Griffin.

The new nursery is designed to have the world's highest production of forest tree seedlings. The 140-acre project will boost Georgia's seedling output to a projected 250 million annually, according to Guyton DeLoach, director of the Forestry Commission.

G. Phillip Morgan, often referred to as the Father of Georgia's modern-day forestry program, was elected chairman of the newly-formed Forestry Commission in March, 1949. During his tenure of office, Georgia's forestry program rose from forty-sixth position to first place in the nation.

Prior to his death in 1953, Mr. Morgan devoted most of his time to promoting reforestation and the production of pine seedlings by state nurseries.

## More Productive Forests

—(From the *Toccoa Record*)

One of the most important facilities in this country is our forest land. They cannot be separated entirely from the farms on which there are huge reserves of timber and each year they are being increased and replacements very scientifically managed. The amount of timber land is vast but it is all not located in the South, although much of it is, enough at least to affect the picture as a whole.

The land acreage owned by farmers in Georgia this year is increasing despite the fact that very definite trend has been noted from rural to urban areas of population. The whole pattern of living is changing. In fact, has changed and the new conditions make it a very different picture from what it was before the modern age started and up to this time. Sixty-four per cent of the land in Georgia, or a total of about 25 million acres, is in forests. This is only slightly less than four percent of the land area in the entire country.

Many people who continue to live on farms are able to live in the country and work at the various industries in town which are consistently employing them. The continuity is made desirable and possible by the good roads we have built, the automobile and shorter working hours. Many phases have been changed and many more are going to change and the forest lands and the use to which they are put and the care given them will largely determine their value.

Paper and pulpwood products in or near this state have already changed conditions and the value of the timber acreage still largely owned by farmers, is increasing and stimulating business. It has not reached its climax and will not until every owner of a large tract joins those who have already tried to make them more productive with modern methods.—*Dawson News*.

## GEORGIA FORESTRY

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\* \* \* \*

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DISTRICT III—P. O. Box 169, Americus	DISTRICT VIII—P. O. Box 1160, Waycross
DISTRICT IV—P. O. Box 333, Newnan	DISTRICT IX—P. O. Box 4 Gainesville
DISTRICT V—P. O. Box 328, McRae	DISTRICT X—Route 3, Washington

Cy Perkins, former district ranger management in the Second District at Camilla, died last month in an Albany hospital of a heart ailment. He was 25.

A native of Lake City, Fla., Mr. Perkins joined the Georgia Forestry Commission in 1952. He was a graduate of the Lake City Rangers School. He served as Clay County Ranger before being promoted to district ranger in February of 1957.

Surviving are his wife, the former Nina Fountain; a daughter, Patricia Dean Perkins; and a son, Cy Perkins Jr., all of Camilla; his parents, Mr. and Mrs. C. J. Perkins of Lake City; and two sisters, Mrs. A. P. Johnson of Carizzo, Tex., and Mrs. Kenneth Ives of El Paso, Tex.

Burial was in Lake City. The funeral was attended by personnel of the Georgia Forestry Commission.

## On the Cover

The announcement on this month's cover heralding the arrival of the G. Phillip Morgan Forest Tree Nursery is its unique qualities. It's really directed to its parents, more than three million citizens of Georgia. All Georgians will share economically from its production after its sprouting plants reach maturity. The proud guardians of the Georgia Forestry Commission Reforestation Department are proud of their ward and hold great expectation from it—nearly 55 million.





Jones confers with local insurance agents.



## New Insurance Offers Timber Protection

Georgia scored another forestry first recently with the announcement that the Forest Insurance Company is ready to receive applications for insuring timber.

The home-owned-and-operated corporation is the first of its kind in the nation. It was formed by a group of Georgia timber owners to protect their woodlands and other lands throughout the state.

Chairman of the board of directors is Jim L. Gillis Jr. of Milledgeville. Valene Bennette of Alamo is vice chairman, and L. Jones of Atlanta is president, and Jim E. Parker of Milledgeville is treasurer.

Designed to insure both merchantable and unmerchantable timber, the corporation was capitalized at \$300,000. It holds a reinsurance treaty with the famous Lloyd's of London.

In announcing activation of the company, the president paid tribute to the "outstanding" fire protection activities conducted by the Georgia Forestry Commission. Although the Georgia Forestry Commission does, without doubt, the best possible job of protecting forests of any kind in the nation," Jones said, "fire still poses a major threat to growing timber. Every year some 200,000 forest acres are destroyed in Georgia, representing untold thousands of dollars in pure fire loss."

He pointed out that the commission's "unequalled" protection and the fact that the corporation was formed by

the very people who will be insuring their own timber has enabled the company to offer its clients exceedingly low premiums.


Jones said the firm will insure timber for as high as fifty dollars per acre. Applications will be accepted only from the 147 counties under protection of the Georgia Forestry Commission.

Following a series of statewide meetings with local insurance agents during which rates and coverages were discussed, Jones said the new insurance plan was received with enthusiasm. Policies now may be discussed or purchased from local insurance agents in towns included in the protected area.

One of the outstanding benefits the new timber insurance will provide, Jones explained, is that it will tend to increase the loan value of timberlands throughout the state and will establish a present value on unmerchantable-size timber.

Other benefits he listed included protection at the present real value of merchantable pine and hardwood timber against fire loss, protection of profit potential of present unmerchantable size pine timber against fire, protection of the value of timber against kill by insects as a result of fire, damage surveys and adjustments are made only by qualified registered foresters and premiums paid are deductible as a business expense, thus reducing net cost.





## Utilizers Convene In Athens



All hands stand by as Smith explains log grading



Smith measures logs as Harris and Page rest after stacking them

Georgia Forestry Commission management personnel studied wood utilization from the stump to the finished product at a recent school at Athens.

The three-day session planned by Forest Products Technologist Rufus Page included talks by prominent scientists, teachers and manufacturers among whom were Dr. John F. Harris of the Forest Products Laboratory, Madison, Wisc., William Belvin of Savannah, director of the Herty Foundation, Professor Roy Carter of N. C. State College, Raleigh, Taft McClain of Moore Dry Kiln Co., Jacksonville, Fla., W. R. Smith, USFS Forest Utilization Service, Asheville, N. C., Dr. Allyn Herrick, new dean of the University of Georgia Forestry School and numerous other USFS technologists from Athens and Asheville.

(Continued on page 10)



Who's for steaks? Ralph Peter asks as he lights charcoal kiln at Whitehall



# Elijay Girl Sparkplugs Gilmer Forestry Program

If residents of Gilmer county aren't forestry minded, not Mildred Parker's fault. The 17-year-old high school senior has been busy as a one-arm paper hanger, preaching the gospel of sound forestry practices throughout North Georgia.

By writing original news articles for the Gilmer County News-Courier, nailing up posters in favorite gathering places, making speeches and participating in general bull sessions, Mildred figures she's reached almost every landowner in the area at one time or another with helpful forestry hints.



Mildred posts a reminder as Ranger Dover looks on

The pert brunette agrees that forestry usually is about attractive to the fair sex as high button shoes. Nevertheless, she declares that the woes or rewards involved in timber management affects every citizen of a community regardless of age, position or class. As a 4-H Club member, said realization of this situation spurred her interest in forestry as a means of improving her home, her community and her country.

"Gilmer county's largest industry is its lumber business," she said, "and the success or failure of the industry will affect the lives of every man, woman or child living there. We can get timber owners to cut wisely, grow more trees and prevent forest fires, it stands to reason our lumber industry will flourish indefinitely."

Mildred's first introduction to forestry came about a year ago when she was looking for material to fill her 4-H record book. Her father, James B. Parker, who works for the Soil Conservation Service at Ellijay, owns several acres of timberland which he keeps under close management. This family interest prompted her to write the Georgia Forestry Commission requesting forestry information. The young 4-Her's enthusiasm to share her new-found knowledge resulted in a series of newspaper articles and talks before civic groups. The popularity of her efforts brought requests for more from neighboring towns.

(Continued on page 10)



Plant tour reveals regal background of lowly paper bag

## SPCA Meetings Stress Pulp Value to State

The battered pulpwood trucks that line Georgia's highways are a symbol of the state's growing economy, H. E. Ruark said recently in Valdosta.

Addressing one of a series of statewide Southern Pulpwood Conservation Assn. "get acquainted" meetings, Ruark declared that each truck means as much to a community's economy as an "above the average" farm.

A former Georgia Forestry Commission fire control chief, Ruark now is senior staff forester of the Owens-Illinois Glass Corp. Woodlands Division.

He told the almost 100 High School Vocational Agriculture teachers and area timber owners at the meeting that a pulpwood truck annually grosses about \$22,500. "To equal this amount," he said, "a farm must produce some 12,500 pounds of tobacco, 20 tons of peanuts, 20 tons of beef and 300 cords of pulpwood."

Ruark pointed out that the trucks represent a free enterprise type of a balanced economy. They help to feed the growing number of forest products industries entering the state, he said, and bolster local economies by increasing buying power and circulation of money.

"Regardless of whether your county has a forest products industry in it or not," Ruark explained, "it still profits from the use of wood as a source of raw material. Trucks form the lifeline of the pulpwood business."

Following Ruark's talk, representatives of Georgia's pulpwood industry answered questions posed by the guests. Details of marketing, manufacturing and sales of pulpwood products were discussed.

The two-day meeting ended with a tour of the Owens-Illinois Glass Corp. paper plant at Valdosta.

Similar meetings were held at Rome, Macon, Savannah and Brunswick. Purpose of the sessions was to introduce teachers and businessmen to the problems and aims of Georgia's pulpwood industries.

Tin foil protects grafts until they're strong enough to be exposed.



Horseshoe Bend Orchard Boss O'Barr and Arrowhead Chief Brooks look over first fruits at Arrowhead.

## New Look in Orchards Yields Master Pines

Long famed for its unmatched peach orchards, Georgia will soon be noted for superior pine seed orchards, too, if a unique Georgia Forestry Commission research program continues to bear fruit at its present rate.

The goal of the Forestry Commission pine orchards is to one day provide enough seed to fill the state with a master race of pine trees. Georgia is the first Southern state to have started such a project.

The orchard program began in 1954 under the direction of Forestry Commission Assistant Director Dr. Leon Hargreaves, Jr. The U. S. Forest Service has provided technical advice. Thousands of seedlings have been set out and thousands of grafts made indoors and in the two experimental orchards.

And this year big cones are appearing for the first time in large numbers in the 325-acre Arrowhead Orchard on the Bleckley-Pulaski County line between Cochran and Hawkinsville and in the 100-acre Horseshoe Bend Orchard at Glenwood.

"We are bringing superior pines from the grave to the cradle by taking the old trees and starting them over," Arrowhead Project Leader Norman Brooks and Horseshoe Bend Leader Mac O'Barr, both of Macon, said.

The orchard pines are produced by grafting a cutting from a carefully selected superior pine onto an ordinary

sapling. A successfully grafted tree assumes the characteristics of the superior tree and lives to produce thousands of superior seed-bearing cones.

Slash and loblolly pine are the principal species, with longleaf pine, Arizona Cypress and yellow poplar due to be grown later.

Cuttings are obtained from mature trees which are selected throughout the state for their fast growth, straight trunks, short branches, freedom from disease and seed-producing ability.

The cuttings are grafted to potted seedlings by the leaders or by high school and college forestry students who work with the Commission in the summer. Grafting is done indoors in the winter and in the orchard in the summer. Field grafting will be employed in the future because it is more economical and efficient.

The orchards are carefully laid out to provide easy cultivation and to allow the pines to cross-pollinate each other. Inferior pines around the orchards are cut down so the pollen won't lower the quality of the superior orchard trees.

The orchard program is young, but if one day Georgia pines rival California redwoods in size, you can thank the superior seed produced in Georgia Forestry Commission nurseries.





Arrowhead gets shave by tractor-drawn mower. Ground around pines is manicured by hoe.



Students demonstrate various steps in field grafting at Arrowhead.



Students work up lather in Macon lath house grafting potted seedlings.



Mrs. Bohler samples product of Harper Rose Nursery



We've heard that one before—Stuart Moore and Harper tell Ranger Paul Moore

## FORESTERS Without Trees

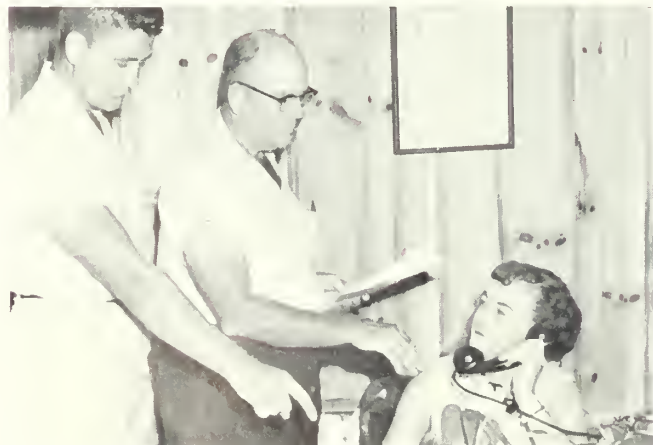
District foresters are human. So are their assistants.

Like in the First District. Bill Harper hates to say no. But if Bulloch Ranger Paul Moore comes in and wants a new tractor when there are no funds, what can Bill do but turn thumbs down.

On the other hand, funds have been found for a new headquarters for Ranger Moore, so Harper, Assistant District Forester Stuart Moore and District Ranger Al Morgan are glad to help Moore survey a projected site.

Pines aren't the only things that grow in Statesboro. Bill has filled the district office grounds with beautiful flowers. District Secretary Mrs. Jackie Bohler agrees that the roses are unmatched in beauty and aroma.

*(Continued on page 10)*



Why secretaries get gray



Harper gives Morgan an ear exam as he surveys unit site



## SAF Meeting



Camerman zeroes in on Schultz and Bray as program gets underway

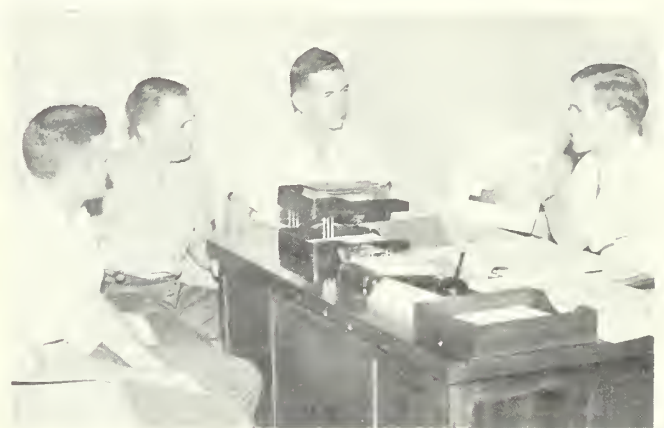
# Foresters tell The Forestry Story

"Telling the Forestry Story" was the theme of the annual meeting of the Georgia Chapter of the Society of American Foresters at the Center for Continuing Education in Athens.

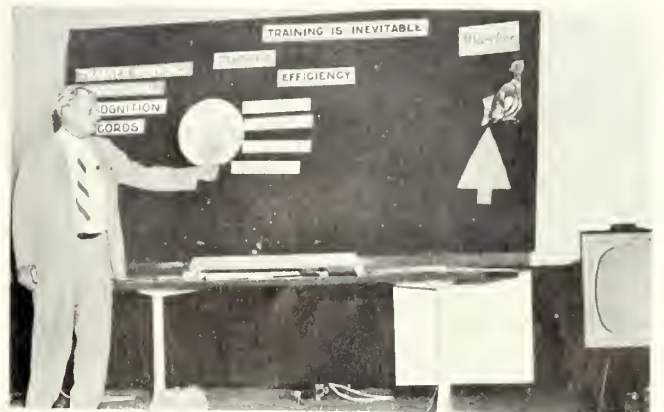
The foresters were not only told the story, they also shown it via a closed circuit television program which featured such famous video personalities as Assistant Tenth District Forester Bill Schultz of Washington, Union Bag-Filter Paper Corp. Forester Bill Bray of Greensboro and Extension Service Forester Zeke Baxter of Athens. Hans Deeken of Station WGTV directed the show and TV Production Manager Hill Bermon appeared with the foresters. Other speakers included State Training Leader S. G. Chandler of the Extension Service, Extension Service Radio Host R. D. Stephens and Bibb County Soil Conservationist Gil Forney of Macon, who spoke on photography.

At the spirited business sessions the members agreed an intensified forestry student recruiting campaign was needed. The shortage of foresters is growing, the members agreed, so more high school students must be interested in forestry as a vocation. A committee was appointed to recruit.

There was also considerable discussion of changing membership classifications. The group decided to put the matter on to the entire membership before taking



Director Deeken briefs TV celebrities before closed circuit spectacular



S. G. Chandler shows foresters how to tell 'em



# 9 RANGER ROUNDUP



Strictly for the birds—Floyd County Ranger Kelly Nelson provisions a fire-preventin' bird shelter recently placed in a roadside park near district headquarters.

Wilkes County Ranger T. H. Bullard of Washington was elected president of the 10th District Rangers Club at a recent feed and business session in Elberton. Lincoln County Ranger William Partridge Jr. was re-elected secretary-treasurer. Richmond County Ranger T. M. Strickland, club president for the past two years, was nominated for the post again, but like Coolidge, did not choose to run.

Bleckley County Ranger Hall Jones stepped into a big pair of shoes recently when he was elected president of the Fifth District Rangers Club. The size 16 gunboats were vacated by Dodge County Ranger J. D. Beauchamp, who stepped down to the secretary-treasurer post.



Sweet-Toothed Smoky—The Fulton County Forestry Unit whipped up this attractive float in honor of East Point's seventieth birthday. The bear-size three-decker cake was decorated with pine seedlings instead of candles. Ranger Terrell Jones said if the parade had been longer, "Smoky" would have eaten the float.

Through the cooperation of the Okefenokee Scout Council and the Eighth District Office, Waycross, a forestry exhibit was placed on display at the recent Boy Scout Jamboree at Valley Forge, Pennsylvania. Attending the Jamboree were 53,000 Scouts and about 10,000 visitors.

Richmond Countians recently were given a tragic lesson in fire prevention. W. E. Anderson of near Martinez lighted a fire to smoke out a swarm of bees. The fire swept out of control. Anderson was stung. The excitement felled him with a heart attack. He is now under a physician's care. Lesson: Bee-ware of forest fires.



Roll 'em, girl, Roll 'em—Chief Investigator John R. (Bob) Gore Jr. gets a permanent identification record of Mrs. Virginia Crow, Whitfield County dispatcher. At a recent Seventh District towermen's meeting, Gore and Investigator Herman Seiggins inked the hawkeyes' flingers and preserved their prints for posterity.

At least two county units in the state are enjoying a carefree summer. Ranger Chesley Gilmore of Macon County reports no fires during the past four months. Colquitt County Ranger Albert Sanders says his unit has passed three fireless months. Naturally, both units are using their firefighting time promoting management and information and education.

It's official now. Lowndes County owns the site on which the Lowndes County Forestry Unit is located. The Atlantic Coast Line Railroad recently deeded the 10.7 acres to the county. The transfer was made by the railroad's forestry agent Carl S. Sewell to Joe King, secretary of the Lowndes County Commissioners.

It's hard to retire abandoned forestry headquarters. Due to the merger of Crisp and Dooly counties, the Pinehurst building was vacated while the Crisp unit serves as a temporary base. Almost before the radio quit squawking, the attractive cottage was turned into a home for Patrolman John Langston, his wife and two children.





August, 1957



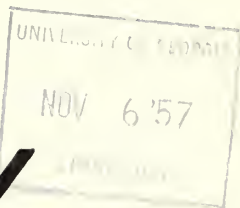
When planting Your seedlings,  
consult your instruction manual  
or *Contact Your County Ranger!*



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**Georgia**



# FORESTRY

September, 1957



**TOP-RANKING COMMISSION SCORES ANOTHER GOAL**



## Our Growing Wood

(From the Vidalia Advance)

Progress in forest management on taxpaying lands indicates the United States will maintain, and even improve, its present favorable balance of wood growth over removal notwithstanding a growing population and increasing consumption of wood.

In its newest booklet, "Our Growing Wood Supply," American Forest Products Industries, sponsor of the Tree Farm movement, says the present forest situation "gives promise of adequate supplies of wood for our growing population in the years ahead."

The book points to the forest industry's role in expansion of forest management, greater utilization of all parts of the tree, fire prevention, better control of insects and disease, a growing roster of professional foresters, research developments and the American Tree Farm system itself as factors now contributing to the nation's growing wood supply.

"For the first time in many years, our forests are growing more wood than we are using," says the four-color booklet which is receiving nationwide distribution. "The practice of good forestry on private lands is spreading rapidly."

The present favorable timber balance, the book says, was revealed in the government's newest appraisal of forest resources, which shows total annual growth of the nation's forest growing stock exceeds total removal—harvest plus mortality—by 25%. In trees of sawtimber size total removal is only 2% higher than total growth.

## Tree Planting Means Future Wealth

(From the Atlanta Constitution)

Clearing out of "deadwood" in Georgia is not confined to the executive offices of the Capitol.

The foresters have been busy cleaning out dead and diseased timber and planting trees to replace those that go into the gnawing maws of the pulp and paper mills.

In the 1956-57 planting season 56 million trees were distributed to be set out in the state.

The number beat the record of the previous year by three million.

What is more significant, for the second year in a row the number of trees planted exceeded the number that moved to the mills.

The planting of trees on land that has been submarginal under rowcrop production, the replacing of forests faster than they are consumed bolsters the general economy in Georgia.

## GEORGIA FORESTRY

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Guyton DeLoach, Director

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\* \* \* \*

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## Cone Collecting Becomes An Industry

(From the Tifton Gazette)

Who, growing up in these parts and for years enjoying the entertaining pastime of kicking pine cones around would have ever figured these things lying around on the ground for all these years would become an industry?

It's amazing, and wonderful, to see that the cones now worth a dollar a bushel, and are being put to use in the forestry industry. A dollar a bushel was big money back in our kid days and we believe a lot of kids no longer in our days would be mighty happy to earn a buck for a bushel of pine cones!

Things are looking good, when pine cones may become one of our area's busy new industries!

## On the Cover

Foresters get a kick out of making goals as do Georgia's leading gridironers. The Georgia Forestry Commission's record-breaking cone collection already appears to be over the top and between the posts. Top-ranked Georgia again is first choice by experts to lead the nation in reforestation.





The cones roll in at Macon shed

## State Cone Collection Hits Record High

Pine picking Georgians were well on their way this fall toward the collection of the largest pine cone supply in history for the Forestry Commission.

One hundred thousand bushels of cones—including 100,000 slash, 23,500 loblolly and 1,500 longleaf—were brought by the Reforestation Dept. this year to provide seed for six forest tree seedling nurseries and to replenish the Commission's depleted seed backlog. Dry weather in past years cut the cone crops and forced the Commission nurserymen to dip into their seed reserve. At press time the slash cone quota had been gathered and was already being processed in the new plant at Macon. Many hundreds of Georgians were awaiting the head on loblolly and longleaf collection. Heavy weather had delayed the latter species' maturity date.



Ranger Bowen, Dealer Tomberlin. inspect pine fruit

The new cone curing and seed extraction plant, which is the only one of its type in the world and the Reforestation Department's pride and joy, is already under full operation, after speedy construction this summer so it could handle this year's cone crop.

Reforestation officials said the plant will process about 3,000 bushels of cones a day. These should yield about 1,500 pounds of seed. The utilization of the gravity flow principle will result in the seed being in perfect condition because of less handling. The cone processing will start in the top floor of the three-story building and will continue to ground level.

Another innovation is the utilization of cones. After the seed are extracted, the cones will be pulverized and used as mulch on the seedling beds in the nurseries.



Hurry up boys, the cones'll be ready any day now





McNasser, Cooper discuss fire research

A new center aimed at finding causes and control of large emergency forest fires in the Southeast made its debut recently at the Forestry Center at Macon.

Sponsored by the Georgia Forestry Commission, the new department will be known as the Macon Forest Fire Research Center. Its purpose is to coordinate all forest fire research in the Southeast.

R.W. Cooper of the U.S. Forest Service will head the new bureau. He has been with the forest service since



## New Research Center Hunts 'Big Fire' Cure



1946. Before accepting his new position he was at the Lake City Research Center at Lake City, Fla. He is married and the father of two girls.

According to Cooper, the center will conduct experiments to determine the possibility of using aerial droppings of chemicals and water on large fires. Other projects will include exploring effects of weather on forest fires, the nature and effects of forest fuels and use of new firefighting tools.

He said Georgia is the first state in the East to enter the aerial dropping phase of firefighting. He said experiments conducted in the West along these lines were successful.

Purpose of aerial drops is to slow down the progress of a running fire and "cool it down," Cooper said, so that men and equipment can move in to suppress it. He pointed out that the big problem in combatting large blowup fires is that they move fast and burn hot, preventing normal suppression activities.

Organization of the center is nearly completed, Cooper said, and plans now call for installing proper equipment to conduct initial experiments.



Hank Williams Teaches Forest Measurements to Young Foresters

## WOW Woodsmen Study Forestry In Ware Wilds

Some 40 potential Paul Bunyans recently combined education with recreation while attending the annual Boys of Woodmen of the World chapter.

Hank Williams, assistant district forester from Way-

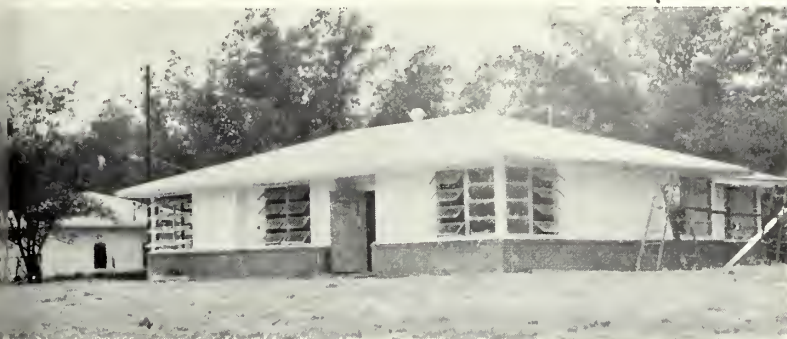
cross, offered helpful hints on good forest management followed by a series of cartoon films. Other activities included woodcraft, swimming, reforestation, fishing, fire control, boating, marksmanship and water skiing.

E.E. McNeal served as host for the week-long encampment. The boys ate, slept and worked at the campsite and did their share in making repairs and improvements.

Purpose of the camp is to provide supervised vacation privileges for boys in the Waycross area under 16 years of age.



## HANDY HOME IIIQ SET



"Beaver" Swindell busy in the woodwork

## CASUALTIES PLAGUE DO-IT-YOURSELVERS IN SECOND DISTRICT

It took a lot of blood, sweat, tears and headache pills to build the Second District's new headquarters at Camilla.

Sporting beards cultivated for the coming Mitchell County Centennial, district office personnel and rangers pitched in to help reduce the building cost. The fuzzy-faced amateurs served as part-time carpenters, electricians, plumbers and painters.

The idea was good, but the jinx seemed to be on. Radio Technician John Harter tried to get well ahead in his work so he could lend a hand. Returning to Camilla late one night he fell asleep at the wheel and wound up in the hospital with a banged-up hip. His doctor says he'll be there until early October.

Investigator Jim Swindell tangled with a "new" surplus air compressor during the painting of the warehouse-truck shed. The compressor's "T" -model type crank kicked back and sprained his arm. The bearded sleuth is now modeling a chick bandage and splint on his right wrist.

Decatur County Patrolman Hubert Brock climbed a ladder to fit a piece of molding around the ceiling of the storeroom. The long trip down ended at the Camilla hospital where he gained the added weight of eight stitches in his right index finger. Brock said the molding didn't fit too well, so he shaved the wood and his finger with a pocket knife.

Despite the one-handed efforts of Swindell and Brock, the Second District now has an office that will rival any in the state. In the tradition of the Macon Forestry Center, each room is paneled with a different kind of wood. The main office has two bathrooms, and the warehouse truck shed has a combination toilet-shower.

District Forester Hugh Allen says he expects to move into the new headquarters in October, even though his staff will include a couple of cripples.



Brock and Harter relay mishaps







And another cull bit the dust... "The Monster" breaks thru at Soperton

## Commission, Industry Open Fire Exercise

After a drenching start at Waycross, the Georgia Forestry Commission last month kicked off its series of statewide fire fighting training maneuvers.

A five-inch downpour cut short the initial "dry run" in the Eighth District, but similar campaigns were completed without incident in the First and Fifth and Seventh

and Ninth Districts, respectively.

Almost 300 representatives of forest industry took part in the drills held at Waycross State Forest, in the Soperton-Swainsboro area and in the Dahloneg Dawsonville area.

Purpose of the maneuvers was to acquaint industry



At the post at 6 a.m.



Chowhounds front and center at Waycross





What's buzzin' cousin? Com center is beehive of activity

and Commission field personnel with the organizational set up used to combat large emergency wildfires. Trainees held key positions in each maneuver while experienced personnel stood by to instruct and evaluate the operation.

According to Fire Control Chief James C. Turner Jr., the training sessions were "a complete success." He said the trainees responded "admirably" to simulated problems they faced, and "everybody played the game earnestly."

Participants ate hot meals prepared in the Commission's mobile kitchen unit, and fought off mosquitoes while sleeping on cots stacked in Commission tents. The emergency mobile headquarters and emergency warehouse equipment from the Forestry Center at Macon were on the scene, as well as firefighting units from neighboring counties. Chief Investigator Bob Gore and his staff of Commission sleuths were on hand to direct traffic and round up any firebugs operating in the fire areas.

Each simulated fire covered 2,500 acres and was reportedly burning fast, fanned by stiff winds. After preliminary briefing on organization, the firefighters rose at dawn and launched their cooperative attack. Throughout the day simulated problems such as breakdowns, snake bites and spot overs were imposed to add realism to the drill.



Scalpel, suture, wrench, hammer



You did a good job, boys but...



Painting the woods red



## 40 Future Foresters Attend Homelite Camp

Daniell gives scrub oak the brush off



Over 40 high school students attended the first Future Forester's Management Camp at the Richmond County 4-H Camp near Augusta. The camp was sponsored by the Homelite Saw Co. and was conducted by Forestry Commission personnel.

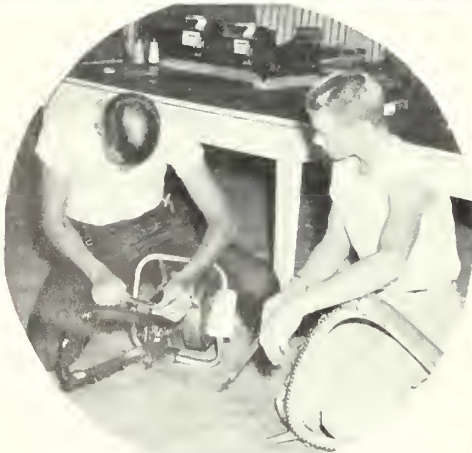
Youths were selected by Commission county rangers and Homelite dealers and were chosen for their interest and achievements in forestry. They came from counties throughout central and north Georgia.

Rain plagued the campers the first day, but the weather let up and the youths were able to get in five daily sessions of marking, cutting and stacking and measuring.

Roy Daniell of Atlanta, one of the camp's guiding spirits, was in charge of saw instructions. The absence of injuries during the hard work in the woods was a tribute to the guidance of Daniell and Camp Boss and Safety Director Bill Schultz of Washington, Assistant Tenth District Forester.

Although the boys worked hard during the day, there was plenty of time for swimming and athletics. At night there were movies, a stunt night, a dance with Richmond County Home Demonstration Club girls and a talk by Chief Investigator Bob Gore of the Commission.

Dean Allyn Herrick of the University of Georgia School of Forestry dropped in on graduation night to award diplomas and to see if he couldn't lure some future foresters back to Athens. Homelite officials said they were well pleased with the camp and indicated they plan to make it an annual affair.

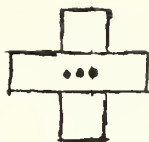


Takes a sharp saw to hew rocks all day

Young Bunyan saws as Thacker watches apprehensively



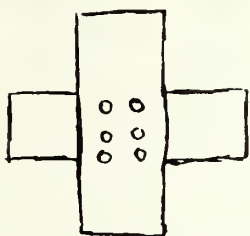




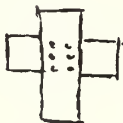
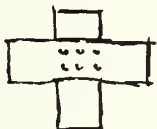
Prof. Schultz, right strains under Payne-ful burden



Give up, Grizzle, Davenport can sleep thru an earthquake



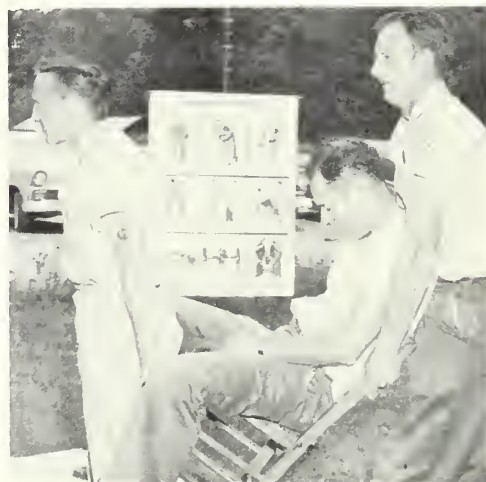
## NINTH DISTRICT RANGERS STUDY FIRST AID IN HILLS



Ninth District Rangers retreated way back into the peace and quiet of the hills of Northeast Georgia recently for three days of intensive first aid study. The rangers are studying first aid from qualified instructors as part of their performance standard requirements.

Instructors included Assistant District Forester James McElhannon, Investigator W.H. Kierbow and Stephens County Ranger Joe Dean from the Ninth District, as well as Assistant Tenth District Forester Bill Schultz, who came up from Washington.

The after school curriculum included some unofficial water skiing instructions by experts Dean and Hall-Banks Ranger Ernest Rolan. Fishing and several sedentary sports were also on the recreation agenda.



Exhausted Rajah Burtz borne by slaves Bower, Cantrell



Cotran picked up wrong card, so Thomas, Davis make repairs

## FARMERS CLUB SPONSORS MANAGEMENT MEETING



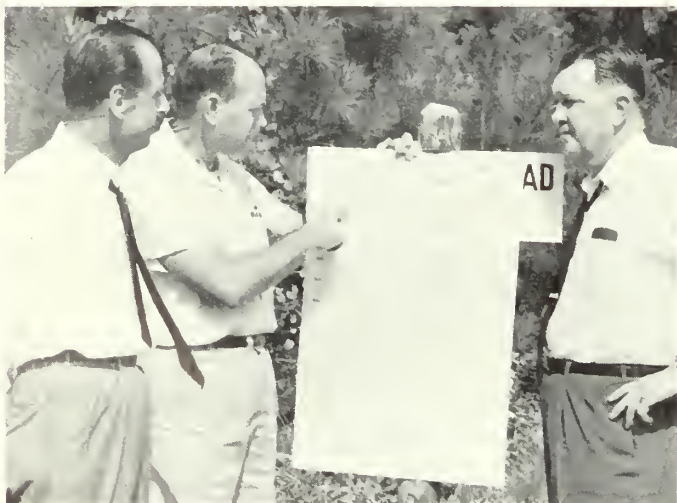
Farm Club Chief Hay greets DeLoach

Middle Georgia bankers and businessmen received a thorough briefing on forestry in their neck of the woods at a recent management demonstration at Macon sponsored by the Macon Chamber of Commerce Farmers Club and the Georgia Forestry Center.

Over 30 business leaders were welcomed by Commission Director Guyton DeLoach. DeLoach pointed out the great potentials of forestry in the Macon trade area and told how the Commission is pushing its expansion through improved fire control, the increased production of pine seedlings and better forest management.

The group then toured the Hitchiti Experimental Forest near Macon under the guidance of U.S. Forest Service Project Leader Ernst Brender.

Forest Technologist Rufus Page, Commission Management Chief William McComb, and I.&E. Chief Frank Craven reported on developments in their fields.



McComb, Macon Mayor Merritt, right, check earnings



Sleuths model uniforms for all occasions. Shown from left to right are Investigators McCrimmon and Scoggins discussing the new outfits with Chief Gore.

## Commission Sleuths Don New Uniforms

The debut of the Georgia Forestry Commission Investigators' uniform this year highlighted the fall fashion parade.

The distinctive apparel was designed by Chief Investigator Bob Gore and represents a delightful contrast with traditional peace officer uniforms. Unlike the comparatively drab outfits worn by most lawmen, Chief Gore's creation highlights the forestry colors, green and brown to advantage.

Topped by a beige Texan chapeau, the uniform is composed of a khaki shirt with forest green epaulettes, green tie and green military coat with brown epaulettes and green trousers with a thin brown stripe on the outside seams. The summer uniform includes khaki trousers and short sleeve shirt, tie and trousers. Brown shoes are worn with both ensembles.

According to Gore, the new uniforms not only add distinction to the sleuths but they also induce respect, promote public relations and improve the appearance of none-too-handsome investigators.



# RANGER ROUNDUP

Patrolman Erwin Crider of the Whitfield County Forestry Unit recently received severe burns of the left arm and side while fighting a fire believed to have been incendiary. The patrolman was burned when he refused to leave his tractor when a wind change threatened to engulf him and his vehicle in flames. Ranger C.V. Bramlett said Crider could have escaped unharmed if he ran, but the patrolman elected to drive his tractor to safety. Crider was released from Hamilton Memorial Hospital after receiving emergency treatment.

Georgia again led the South in production of pulpwood last year. According to a report from the Southern Forest Experiment Station at New Orleans, Georgia increased its pulpwood harvest 19 per cent to pace the remaining 11 states in the survey with a record output of almost four million cords. Alabama again placed second with a total harvest of slightly more than two million cords.



As far as the eye can see... Irrigation pipe for the spacious new Morgan Nursery near Macon awaits installation at the 105-acre seedling factory. Twenty miles of concrete and metal pipe and over 3,000 sprinkler heads will insure that the seedlings of a plentiful water supply. A 1,500-gallon per-minute well has been dug to provide the water.

A lot of Georgia youngsters soon will be dogearing dictionaries for words that rhyme with increment borer, noble, pine cone and Smokey Bear. The reason is the Conservation Department of the Georgia Federation of Women's Club jingle contest. Open to fourth and fifth grade students, the rhyming race is designed to develop conservation and appreciation of Georgia forests. Cash prizes will be awarded next May at the federation's convention in Columbus. Contest details are available at the federation office in Atlanta's Hotel Grady.



**TAXI SERVICE**—General Services Chief Lester Lundy sits astride the latest addition to Georgia's growing Forestry Center at Macon. It seems the center is expanding so rapidly that distances are measured in eroded shoeleather. Through the courtesy of the Air Force, the surplus scooters make visits between the various departments more frequent and less expensive.

A spark of romance burned brightly in Fulton County recently along with 21 acres. Fulton Ranger Terrell Jones blamed sparking lovers for the three blazes that caused the damage.

Upset by night calls that pulled him from his bed to suppress the fires, Jones complained to the county commission. He asked that the favorite lanes of amorous motorists be blocked off. Amid protests from the younger set, the ranger emphasized it wasn't the sparking he minded—it was the sparks.



**ANTENNA BASE**—Forest Engineer Herbert Darley beholds a gruesome sight in Commission Radioman Hyland Cosey as he measures out the base for the Forestry Center's new statewide radio antenna. The mammoth aerial will rise some 420 feet and will extend two-way contact to parts of the state now in the radio blackout area. Chief Radioman Henry Cannon, center, is supervising the operation.

September, 1957



PREVENT FOREST FIRES

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October

# FORESTRY

## FALL FORESTRY FESTIVAL

### 3RD DISTRICT CONFIDENTIAL

## INSIDE

### Administration

Sanford P. Darby  
AND HIS AMAZING

SEED EXTRACTOR

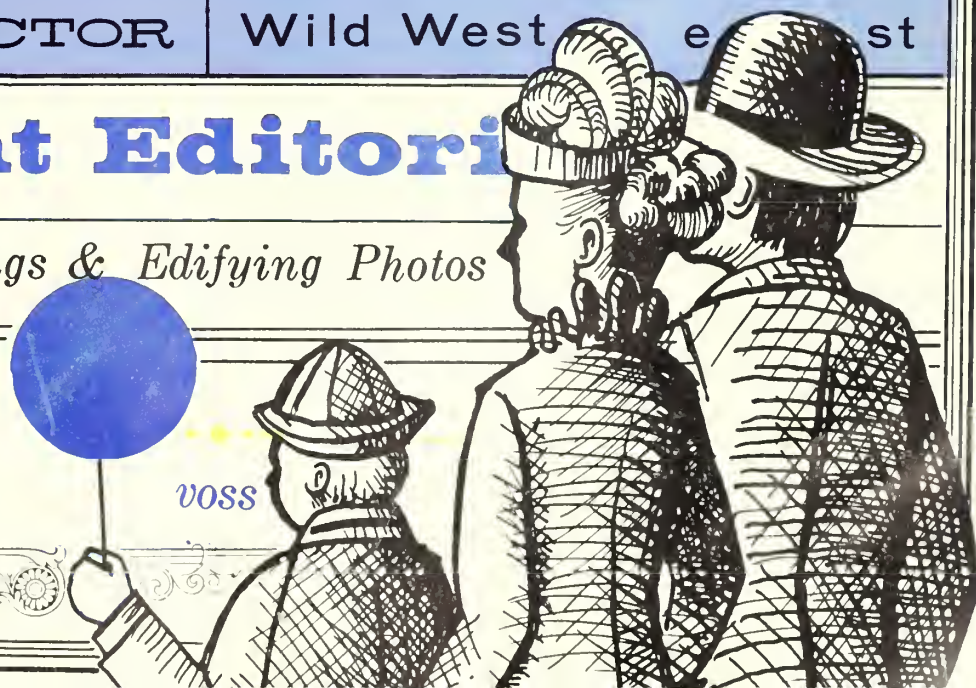
RANGER ROUNDUP  
& RODEO

Wild West e st

## Eloquent Editori

Miscellaneous Meetings & Edifying Photos

VOSS



# Cruising the News

## Georgia Pine Program Shoots Quality Upward

From the ATLANTA CONSTITUTION

Not only is Georgia growing more pine trees, but it is growing better pines.

It is because of a pine tree genetics program being pushed by the Georgia Forestry Commission.

In cooperation with the U.S. Forestry Service, the commission is cultivating pine orchards.

Orchard pines are produced by grafting a cutting from a carefully selected superior seedling onto an ordinary seedling. A successful graft produces a tree with the characteristics of the superior seedling. The better tree in turn produces superior seed-bearing cones.

It's hard telling where this program will lead. To pedigreed pines, perhaps, with papers to prove it.

Seriously, of course, it means better land utilization and more profit for tree farms because the stock is superior.

It's no longer a crime to cut down the old pine tree, not if you plant a better one in its place.

## Good Student Training

From the SAVANNAH MORNING NEWS

Announcement that the Forestry Commission of Georgia has utilized young students to participate in their pine orchard development is a commendable one. In modern times it has become the practice of industry to provide an opportunity for students to work in plants or rural programs with a dual purpose — to assist the industry itself at a moderate cost and to enable the students to learn the subject of their choice at firsthand and in a practical as well as textbook manner.

High school and college forestry students are assisting in grafting cuttings to potted seedlings and helping to make the future forests which will yield an abundant and profitable harvest for the South.

One of the most constructive benefits to the students, in addition to the apprenticeship served which is of inestimable value, is the fact that these boys and girls (in some trades) have a busy program during those months when idleness leads to mischief or to a lethargy which discourages study and physical and mental improvement. We can think of no finer occupation for our youth than to learn about the natural resources around them and to pursue a calling which will not only bring financial returns but a deeper satisfaction of having cultivated the resources of nature and used them constructively.

## Forest Fire Season

From the SAVANNAH NEWS

During fall along with dog days, hurricanes, ragweed rattlesnakes and other menaces, there is an added danger of forest fires. The woods tend to be drier, and await only the touch of a match or a smouldering cigarette butt to burst into disastrous flame.

Despite one of the best protective systems in the nation, Georgia still suffers a huge annual loss from woods

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1160, Waycross

DISTRICT IX—P. O. Bo

Gainesville

DISTRICT X—Route 3,

Washington

fires. Most are relatively small, it is true, but aggregate our fire bill represents one of the state's contributions to the carelessness of our people.

For it is carelessness and carelessness' accounts for almost all our forest fires. An unattended fire, careless brush burning, an unextinguished cigarette—any one of these things can be the cause of a runaway blaze, disastrous not only to our wood sources but to wildlife and buildings as well.

## On the Cover

Shades of P.T. Barnum! While it won't replace the big top, our cover this month may help some readers remember when the local fair created excitement as news that a circus train was coming town. Back then, every act was billed as "colossal," "stupendous," or a mild "electrifying." Naturalists feel their forestry program is all this and more, but the artist restrained himself and used the vocabulary of our time. Headlining this month's issue is the story on the Georgia Forestry Commission's fair. Second billing goes to an intimate expose of life in the Third Forestry District, followed by a zany inside the story of administration and its millions. A number of other entertaining spectacles await within. Now it's your turn to see the show.



# New Land Company Lets 'Little Man' Invest In Future



President Neely shows prospectus to stockholders at Manchester.

A new land company is allowing Georgia's so-called "little man" a chance to invest in a big business venture that not only may bring him handsome dividends, but makes him a stockholder in the state's industrial growth. It is known as the Southern Land, Timber and Pulp Corporation.

Headed by John J. Neely, a Manchester businessman, the company is buying, leasing and taking options on Georgia lands. Its ultimate purpose, Neely said, is to establish a wood processing business such as a pulp mill. He added that lands already purchased will be developed into full timber production with an eye on accruing capital gains rather than potential dividends. Company stock is available only to Georgia residents.

"A lot of industries are moving into the state and taking advantage of the wonderful opportunities we have here," Neely said. "They're playing a leading role in the development of our resources and our economy. It seems high time we Georgians started doing our part to develop our resources and share in the profits to be gained. The Southern Land, Timber and Pulp Corp. was

formed in Georgia by Georgians and its stock is available only to bona fide Georgia residents."

The company was formed with an authorized capital of five million dollars composed of 2,500,000 shares of common stock, Neely said. Par value of the first issue of 50,000 shares was two dollars each. Neely said the 95% issue was sold within two weeks after it was offered to the public. He added that with the exception of the board of directors, stockholders are limited to 1,000 shares each to allow as many Georgians as possible to participate. He said the company boasts a cross section of stockholders ranging from small farmers and textile mill workers to industrialists and bankers.

Neely said a second 200,000 shares are now being offered for sale at \$2.90 each. He said it will take about two years to acquire enough land to support a wood processing business. Whether the company will negotiate with an established firm or go into business for itself will depend on which will be most beneficial to the stockholders, he said.

## FORESTRY STORY TOLD ON WATERSHED TOUR

Forestry was spiced with an international flavor recently at the Fourth National Watershed Congress at the Noon Day Creek Watershed Area near Marietta. Nigh onto a thousand foresters and conservationists from all parts of the nation, Ireland and Hawaii attended the three-day meeting sponsored by the Soil Conservation Service in cooperation with the Georgia Forestry Commission and the U.S. Forest Service.

The forestry portion of the program dealt with "Forestry in the Small Watershed." Cooperating with Norman S. Corey, a landowner, the woodland story was told by Cecil E. Clapp of the U.S. Forest Service at Atlanta, master of ceremonies; Donald E. Whelan of Southeastern Forest Experiment Station at Asheville, forest hydrology; Frank Craven of the Georgia Forestry Commission at Macon, forest protection and management; and Edward F. Littlehales of the U.S. Forest Service at Atlanta, Smokey Bear.

It was pointed out that protection and sound management will allow most forestland to produce a good income for a landowner while it performs its watershed functions for the benefit of the community in general.

Following the meeting, the group toured the Southeastern Fair in Atlanta. Theme of this year's agricultural fair exhibits is "Georgia Today for Tomorrow." Highlighting the tour was a look at the huge scale relief model of Georgia showing water flow and drainage. Phil Campbell, Georgia's Commissioner of Agriculture, addressed the congress during the tour.



WOODALL EXHIBITS "PRIZE" PULP STICKS

## PULP REQUIREMENTS GIVEN AT AG CLUB MEETING

The quality of your gift box or paper bag depends largely on the way pulpwood is harvested and prepared, G. Woodall, assistant scaler for Georgia Kraft Co., said recently in Macon.

Addressing the Professional Agriculture Workers Club at its regular monthly meeting, Woodall discussed reasons behind pulpwood specifications imposed by pulping companies.

"These requirements specify the type of wood we like to get," he said, "but it doesn't mean it's the kind you wind up with." He pointed out that it is almost impossible to inspect every stick of pulpwood that enters a company yard. Ideal sticks are sawed from sound, reasonably straight live trees, he added, because they produce the highest quality chips and fibers.

He listed the specifications and reasons for them, including:

1. Sticks must conform to railroad and truck specifications to expedite handling. Railroads require five-foot by five-inch lengths, and six-foot lengths are required for trucks.

2. Sticks under four inches at the small end are unacceptable because they tend to break easily and are difficult to debark.

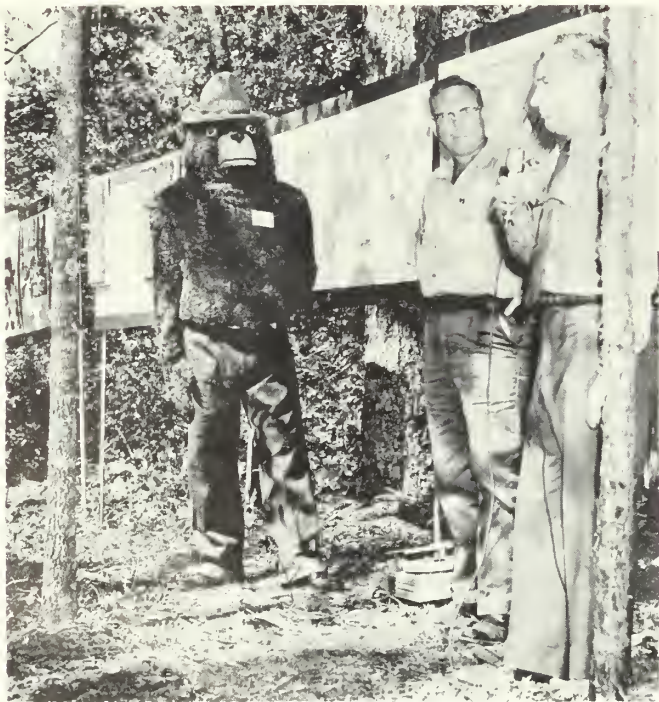
3. All limbs, branches and knots must be trimmed smooth to prevent "choke-ups" during various pulping processes. No forked or very crooked wood is acceptable for the same reason.

4. Sticks must be free of deadwood, red heart, rot, and discoloration because fibers from such wood tends to be brittle and reduces paper quality.

5. Charred or burned wood is unacceptable unless it is either removed or does not go below the bark. Charcoal cannot be removed in pulping processes, but bark removed before pulping.

6. All wire, nails or metal must be removed before delivery. Metals can ruin chipping knives, expose workers to danger and cause tears that ruin finished product.

7. Ends of wood must be sawed square to reduce sliver and inferior-shaped chips that cause flaws in paper.



COME WITH ME....to Coweta Watershed, says D.E. Whelan, USFS Hydrologist. Frank Craven and Smokey Bear stand by to assist with the tour.



# ADMINISTRATION



No department in the Georgia Forestry Commission has its fingers in as many pies as does the administration division. It knows almost as much about the state's 750 forestry employees as do their wives, husbands and parents. It clutches the Commission's purse strings with a greedy hand while the other continually counts and re-counts pennies on a noisy adding machine.

To district foresters and county rangers, administration is a dragon with a hundred eyes, a million memos and a thousand taloned fingers that keep handing back rejected requisitions. To central office personnel stationed in the brand new headquarters building it's a nervous housewife who's afraid someone's going to drop ashes on her new rug.

Boss-man George Bishop, chief of forest administration, insists his job is a thankless one. "The men working in the field never stop to consider that proper administration makes any organization run smoother. They never realize how much good management helps them because most of their contacts with our department are made through purchasing and payrolls.

"It's hard for them to see that a penny mistake on their part could throw our whole four million dollar budget off balance. They don't seem to consider that looking for a penny among millions of dollars is like looking for a fly peck in a pepper shaker."

He added quickly, however, that most Commission employees are cooperative. "They just don't like to do a job over that they thought they were through with," he smiled.

Bishop said the bulk of work handled by his department deals with payrolls, requisitions, earning records, property and equipment records, personnel records, budget controls and budgeting.

"We're held accountable for overseeing all employees, the budget and welfare of some nine million dollars worth of equipment," he said. "What's more, we're doing a pretty good job of it, even if our staff is still the same size it was when the commission's budget was only \$400,000 a year."

Chief Bishop's staff includes "Little George" Cecil Osborne, administrative assistant; "Moneybags" Joe Bagwell, cashier; "Do It Over" Robert Daniel, accountant; "It Ain't Right" Orene Duvall, payroll control auditor; "It Don't Add Up" Jerry Worsham, senior clerk typist; Frances "Studebaker" Ford, accounts clerk; Louise "Fanny" Durden, intermediate clerk typist; Jane "First Thing" Melton, accounts clerk; Ruby "Crossword" Hunt, principal secretary; and Louise "Which Way Did He Go" Tinner.

"Commission activities are spreading all over the place and they're going to get even bigger," Bishop said. "The job of keeping up with all these advancements is largely the duty of the administration department. With the cooperation of every one of the commission's employees, we'll continue to get the job done."

AN EXPENSE ACCOUNT—A LONG, SAD STORY



SAFECRACKERS ADD A NEW TWIST TO PAYDAY



NO RED TAPE HERE—IT'S ALL WHITE



## GWINNETT COUNTY



MUSCOGEE COUNTY

# Forestry Goes to the FAIR



The scent of pine trees this fall will mingle with whiffs of cotton candy, popcorn and mustard-covered hot dogs along the midways of fairs all over Georgia.

In exhibit areas from Dade to Charlton counties, forestry displays will stand inspection along with those representing other leading industries throughout the state. Designed and built by the Georgia Forestry Commission Information and Education Department, the colorful displays offer timely forestry messages with an artistic flair.

Every year, weary mothers escort the kiddies from ferris wheel to merry-go-round and back again while papa slips off to take in the livestock and crop exhibits and, if he's lucky, a sideshow. But, the industrial exhibits are rapidly gaining in popularity as an attraction that can be enjoyed by the entire family. Each year about two million Georgians view the exhibits and take away helpful forest hints that add to the betterment of our forestlands.



ELBERT COUNTY PARADE





N-HART COUNTIES



COUNTY



DADE COUNTY



added to the dozen standard exhibits circulating about the state are some original forestry displays assembled by local rangers. They point up local forestry problems and how landowners can improve and help protect their property. Plans already are under way for next year's displays. When the Commission "billboards" again hit the circuit, they will help add to the lively atmosphere that always makes it fun to go to the fair.



ELBERT COUNTY



MACON COUNTY



DADE COUNTY



MORGAN COUNTY



DISTRICT FORESTER OLIN WITHERINGTON

## THIRD DISTRICT OFFICE IS ONE BIG HAPPY FAMILY

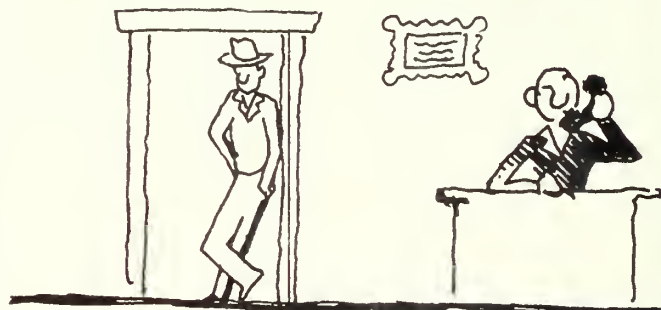
Like most district forestry offices in Georgia, the Third District Office at Americus houses one big happy family.

The head of the household is District Forester Olin Witherington. He is a native of Laurens County, a graduate of the University of Georgia Forestry School and a veteran of World War II with the U.S. Army. "Preacher," as he is affectionately called, came with the Commission in 1940 via the tar heel route. He was previously a naval stores assistant cooperative agent and held a similar position in the Army. Preacher is married to the former Gwendolyn Guest and they have three children, all boys.

When Preacher isn't wielding the whip, his duties are assumed by Asst. Dist. Forester Carl Dennis. Carl also is a George Peabody School of Forestry alumnus. He is a native of Putnam County and formerly was with the U.S. Forest Service. He joined the Commission in 1954 as Newton County ranger. Carl is married to the former Evelyn Delores Cargile.

Fairest member of the family by far is Mrs. Clarice Manry. Clarice really runs the office even though Carl and Preacher won't admit it. Her official title is stenographer-clerk, but she's much more. Her duties take in everything from housekeeping to day laborer. Clarice is a native of Randolph County, and has been with the Commission since 1947.

Biggest occupant of the Witherington household is Investigator Clyde Bowden. Clyde hails from Gouldsboro, Maine, but since has attained his Georgia citizenship papers. Before joining the Commission in 1953, he was with the police department in Augusta and served during World War II with the Army and Navy. He is married to the former Melrose Prevatte, a North Carolina girl, and they have two daughters.



The "baby" in the Third District Office family is District Ranger James Bowen. Although he's the youngest James makes up for it with experience. He has been with the Commission since 1953, when he started out as patrolman in Dooly County. A graduate of Lake City Rangers School and ex-part time store clerk, James was born and raised in Americus. He says he's still too young to be married.

Unlike run-of-the-mill families, Preacher has been able to increase his brood with newcomers that may be older than the latest addition. Such was the case with Asst. Dist. Forester Management Glenn Creech. Glenn's only been in the Third District since February of this year. Before that he was a forester with St. Regis Paper Co. Glenn is a George Peabody graduate, a Navy veteran of World War II and a native of Metter. He's married to the former Martha Meadows and they have two children a boy and a girl.

Preacher is proud of his family. There are times when the usual family spats arise, he admits, but they generally work themselves out and help strengthen the family bonds.

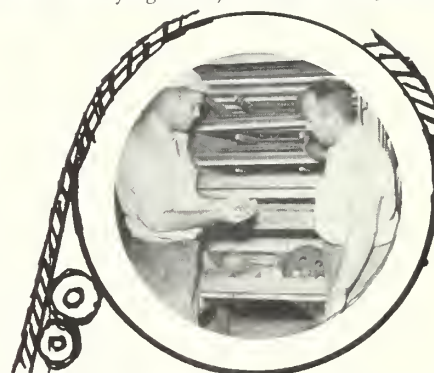




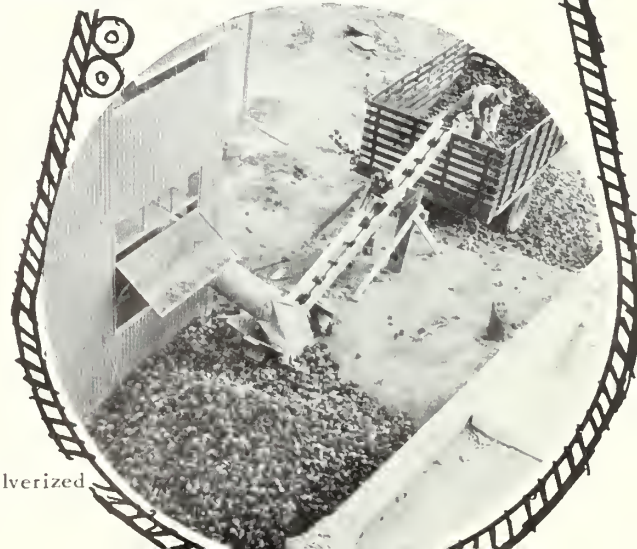
George Sanders checks the cones as they leave the belt....



....and drop into the drying bins, which hold 25 bushels each.



Kirk Armstrong and Sanders check the tiny but precious seed.



Out come the deseeded cones, ready to be pulverized into mulch or dumped.

away they go...Director DeLoach, left, and Reforestation Chief Darby start the cones arollin' on the conveyor belt which carries them up into the new cone drying plant.

# Pine Cones

## GO FOR A RIDE

Pine cones are flying around the busy new Forestry Commission cone plant like Sputniks around this beat-up planet.

Full speed ahead has been the word since the unique plant opened hurriedly October 1 to handle this year's record-breaking pine cone crop.

The plant, which can cure 3,000 bushels of cones every three days and extract and clean about a ton of pine seed per day, is a mass of conveyor belts. A belt carries the cones from the unloading platform to the top of the curing building where they are dumped into ten-foot deep curing bins.

The 100-degree heat is provided by a gas jet and is circulated by a large fan.

The cones then move to the top of the three story extracting plant, where gravity takes over and pulls them down through the cleaning process.

Back on earth, the de-seeded cones are either ground to mulch and used for nursery soil conditioners or they are loaded - by conveyor, of course - into trucks for dumping. The seed is placed in containers for storage or shipment to the nurseries.

Five wooden curing sheds also are in use. They cure 1,000 bushels each two weeks. Many thousands more bushels are drying in warehouses about the state. These cones will be brought to Macon for seed extraction.

Reforestation Chief Sanford Darby, who with Assistants Fred Atchison and James Wynens, has sweated out the birth of the \$163,187 baby, said curing and processing of the 100,000 bushels of slash, loblolly and longleaf cones should be completed by January 1.

"We hope to get 50,000 to 60,000 pounds of seed. It could take about 25,000 to 30,000 pounds to plant our six nurseries next year, so we should be able to partially replenish our seed stocks this year, too."

# RANGER ROUNDUP



PINES AND PIMIENTOS — Meriwether) and Troup County Forestry Units joined forces to praise the pimiento with pine boughs at the recent Pimento Festival at Woodbury. Tractor-transporters from both units led the parade down the main street. They were decorated with pine boughs, Smokey Bear and local Cub Scouts.



Testing, one, two, three... Gene Bacon of Pooler, the new Chatham County Ranger, tries the radio in one of his pickups under the sage guidance of First District Forester Bill Harper of Statesboro.

The Southeastern Section of the Society of American Foresters will hold its annual meeting Jan. 30-31 in Panama City, Fla., at the Dixie Sherman Hotel.

It's no pleasure to be hit by a falling tree or run over by a truck, but if you can pick your spot for something like that to happen, your best bet would be somewhere in the Tenth Forestry District. Fireball Bill Shultz reported recently that all ground personnel in the district soon will complete the advanced Red Cross First Aid course. Strictly on a "voluntary" basis—Bill says—the splint and bandage boys have been meeting at the Clarke County Forestry Unit for their wrapping sessions.



Oh, that towerin' feelin'. The GFC's new 400-foot radio antenna will soon be beaming messages direct to every part of the state. It replaces the old 100-foot antenna which was mounted on the fire tower at right.

Dodge County landowners soon will be able to plant their pine seedlings in comfort. Through the combined efforts of the county commission and County Agent Carter Martin, two tree planters have been purchased and will be made available to Dodge County landowners.

The planters represent an investment in the future of Dodge County, not only by encouraging tree planting, but they will aid area youth organizations. Initially, the planters will be leased out until the county is reimbursed for the purchase price. After that, the fees will go to area 4-H'ers and other young peoples' groups.





Welcome, pardner, says Guyton DeLoach, right, Georgia Forestry Commission Director, to Georgia Forestry Assn. President W.M. Oettmeier of Fargo. Looking on at far left is GFA Executive Secretary Harvey Brown of Macon and at extreme right, GFC Chairman John M. McElrath of Macon.

## GFA MEMBERS STUDY GEORGIA FOREST FUTURE

Better management by small woodland owners is the key to the future of Georgia forestry, members of the Georgia Forestry Assn. decided at a recent meeting at the Forestry Center.

Over 80 landowners and industrial, state and federal foresters from throughout Georgia, as well as both Carolinas and Alabama, thrashed out this and other urgent questions at a forest resources study meeting sponsored by the GFA, Forestry Commission and U.S. Forest Service.

GFA President W.M. Oettmeier of Fargo said that fire protection and tree planting seemed to be under control, but he foresaw a shortage of large diameter saw timber. Hardwood utilization was stressed as a wide-open field, especially since the large diameter pine supply is decreasing. Better use of available timber was declared vital. The pulpwood supply was said to be ample.

The USFS will conduct a state-wide timber survey in 1959 which will list the growth rate, diameter size, species and value of Georgia forests. Oettmeier presided. Commission Director Guyton DeLoach, and commissioner John McElrath of Macon welcomed the group.

That whirring noise down in Statesboro is the W.C. Harper Construction Co., Foreman Al Smith presiding over the bulldozer. This gigantic construction firm has just completed shaving the top off the site of the new Bulloch County Forestry Unit on Highway 301 not far from the District Office. The two-acre lot had a small hill on it, but that was before Harper & Co. went to work on it. The boys will put some top soil over the present sand and then they'll be ready to start abuildin'. Bulloch Ranger Paul Moore says he hopes to be in his new office by the time W.C.'s roses bloom again.

Screven County landowners recently got an insight into the reason for practicing good forestry habits. At a co-operative demonstration in a woodland tract on John W. Howard's farm, profits derived from good forest management were explained and discussed. Theme of the program was "Timber Today Means More Jobs for Tomorrow." Sponsors were the Georgia Forestry Commission, Soil Conservation Service, Extension Service, ASC Committee, Southern Pulpwood Conservation Assn. and two local pulpwood yards.



No, it's not Christmas cards. A flood of seedling order acknowledgements descended upon the Commission mail room recently. Channelling the deluge out to the public were, left to right, Jerry Worsham, Joe Bagwell and Cecil Osborne.

It may seem odd that the Georgia Forestry Commission should be stocking up on snakebite kits, insect repellent and first aid kits, especially since the woodsman's hazards are going into hibernation. According to State Auditor B.E. Thrasher Jr., the commission recently ordered 150 snakebite kits, 100 packages of bandages, and 124 insect repellent kits. This represents a total investment of \$1,390.97.

The commission's Administration Chief George Bishop says it's quite a bargain when you consider that one fatal snakebite would cost \$10,000, not considering personnel reduction and family bereavement.

Georgia's new Macon Forest Fire Research Center advanced another step toward solving the state's giant fire problem when it expanded its staff by adding Anthony T. Altobellis, a research assistant. Altobellis is a University of Georgia Forestry School graduate and a long-time Macon resident. According to Robert W. Cooper, center leader, Altobellis will carry out research on improved suppression techniques, fuel characteristics and behavior and effect of fire on soil productivity and tree growth.

October, 1957



FOREST

FIRES

ARE

\* OLD \*

Fashioned

IN

Georgia

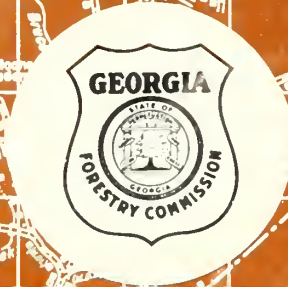
MISS CAROLYN SMITH  
LIBRARIAN DEMONSTRATION SCHOOL  
UNIVERSITY OF GEORGIA  
ATHENS, GEORGIA



SDI  
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# Georgia

# FORESTRY





# Cruising the News

## We Prize Our Trees

(From The ADEL NEWS)

Whether you realize it or not, Georgia is blessed with 24,000,000 acres of forestlands. We have begun to realize what such a vast resource means to our State and Counties. We are faced with a stewardship that we must face daily. We must keep improving practices for growing and cutting our trees and remember them in relationship to our wildlife and water to conservation.

Recently we have had a Georgia man receive an award from the American Forestry for his practical ideas about forestry, pastures, livestock and farming in general. He has been willing to spread this knowledge to other people.

We have here in South Georgia some prized trees that need our special attention and care. We must remember they mean much to our state's economy, for the present and future.

## Trees Can Compensate For Row Crop Loss

(From The ATLANTA CONSTITUTION)

Tree farming looms as one of the best long-range bets to offset shrinkage of income from row crops.

The Georgia Forestry Commission this year received requests for 319 million seedlings, a record number which was about 147 million more than the state's five nurseries produced. The new Morgan Nursery, with the largest production capacity in the Southeast, will go into operation next year and help considerably in meeting the surging demand.

The unprecedented number of orders for seedlings is further evidence that landowners are awakening to the financial opportunities which forests offer.

Tree farming is far less expensive than growing of row crops. A ready market is assured and Soil Bank benefits for converting acreage into trees are more liberal than for many other phases of agriculture.

Prospects of row crops recovering in the immediate future from their present doldrums appear slim. But the outlook is bright for timber and forestry products. Here is a field that is unlikely to become smothered in government restrictions.

## Big Gains On Fire Front

(From The ATLANTA JOURNAL)

In all Georgia, none is more thankful for the recent rains than the forest fire control people in the State Forestry Commission.

One day they had fires by the dozen, some in the vicinity of Statesboro, a few around Waycross and an outbreak in the Rome region.

Next day, a man could hardly see 50 yards for the sheets of rain, and presto, there was no forest fire problem anywhere in the state.

Through the first eight months of 1956, the state had

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\* \* \* \*

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STAFF ARTIST	Dan Vos
ASSOCIATE EDITORS	Bill Kellam, Joe Kovach
	John Currie

\* \* \* \*

### DISTRICT OFFICES, GEORGIA FORESTRY COMMISSION:

DISTRICT I—Route 2, Statesboro	DISTRICT VI—P. O. Box 508, Milledgeville
DISTRICT II—P. O. Box 26, Camilla	DISTRICT VII—Route 1, Rome
DISTRICT III—P. O. Box 169, Americus	DISTRICT VIII—P. O. Box 1160, Waycross
DISTRICT IV—P. O. Box 333, Newnan	DISTRICT IX—P. O. Box 41, Gainesville
DISTRICT V—P. O. Box 328, McRae	DISTRICT X—Route 3, Washington

5,978 fires in woodlands, many burning over hundreds of acres. For the first eight months of 1957, there were 4,261 fires.

That's definite progress—and a great saving. If a like ratio can be maintained for the remainder of 1957, it will be a splendid victory for conservation. Georgia forestlands increase in value with each passing day, and it is of utmost importance that this great resource be protected.

## On the Cover

Georgia Forestry Commission Fire Control Personnel didn't wait for the present fire season to arrive before they prepared for it. Training began last summer with project fire exercises in which every ranger in the state participated. Fire Chief Jim Turner then followed up with indoor instruction on weather, safety, combustion and law enforcement. On the cover Seventh District Forester Julian Reeves and Ninth District Bossman Ollie Burtz conducted a combustion class demonstration at the Milledgeville District Office. They are standing in the middle of a fire map of Greene County. The Compasses denote the location of the county's fire towers.





FORESTRY COMMISSION, U.S. FOREST SERVICE CHIEFS PLAN SEEDLING BOMBING  
Craven, Littlehales, Davis, DeLoach, Craig check Macon dedication schedule

## Seedling Celebration Set for December

The Georgia Forestry Commission will be honored December 18 by the U.S. Forest Service for leading the nation in the production of forest tree seedlings in 1957.

The Commission's five nurseries produced over 170 million seedlings this year—the largest number yet.

The program at Macon will begin at 11:00 a.m. at the Georgia Forestry Center and will include the dedication of the Commission's new seedling nurseries at Reidsville and Macon and the staging of a fire fighting demonstration, Commission Director Guyton DeLoach said.

Governor Marvin Griffin will deliver the dedicatory address for the Joseph Page and Phillip Morgan Memorial Nurseries. He will plant the billionth seedling at the Center. The seedling will be delivered to him by helicopter.

William S. Swingler of Washington, D.C., assistant chief of the U.S. Forest Service, will make the seedling production award.

The fire fighting demonstration will be executed using equipment brought to Macon for use at the Macon Forest Fire Research Center. The demonstration will include the dumping of water of a fire by a U.S. Forest Service modified torpedo bomber similar to one the Georgia Forestry Commission will put into operation in January. The plane drops water on the "hottest" parts of big fires to slow them.

A U.S. Forest Service helicopter will demonstrate fire hose laying techniques used on the West Coast. Two "smoke hoppers"—specially trained airborne fire fighters, will roll out of the helicopter as it hovers close to the ground.

Another feature will be a demonstration of the effectiveness of the new sodium borate fire retardant, which is used in the West and will probably be introduced soon in Georgia.





# TIMBER-R-R!

## WAYCROSS MANAGEMENT TRAINING

Forestry Commission management personnel took to the wilds and woods at Laura Walker State Park recently for a week-long training session.

Management Chief William McComb was in charge of the school, which included a day of naval stores study directed by John Cooper, supervisor of the naval stores conservation program.

The foresters spent two days making like Paul Bunyan in the state forest adjoining the park. They studied log rule volume and checked their estimates by felling and sawing the trees themselves.

Sawmill expert Rufus Page got a chance to practice some of his preachings by serving as sawyer. Management Assistant John Clark assisted. Assistant Chief Thacker flexed his biceps as logging chief. All are expected to recover.

A trip to the U.S. Forest Service experiment station at Lake City, Fla., to see a fire control demonstration concluded the school.



It's too small, throw it back.



Let's see, how do you tie a square knot?

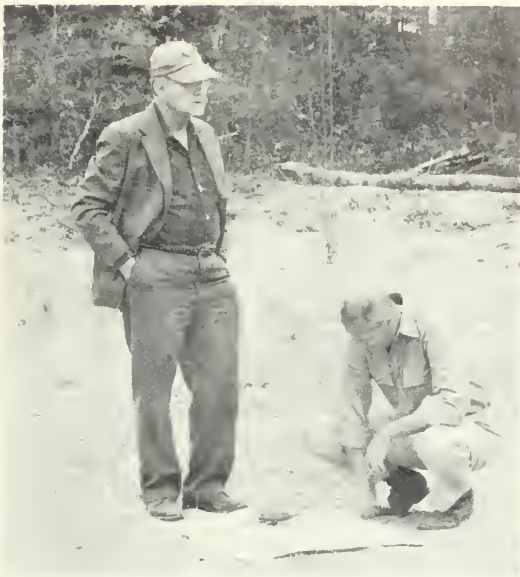


Thacker leans on mighty blade as Jacobs takes



Tch, tch. I told you to watch that saw...





Cannon draws a bead on dead north

## First District: First in Radio

Completion of the 300-foot radio antenna at Statesboro will give the First District Office direct communication with Macon and with every county.

Previously, district foresters had often been unable to contact some of the counties by radio. All Macon radio traffic had to be relayed through the Ocmulgee District Office.

The tower was erected by a private contractor, but Communications Chief Henry Cannon and Assistant Hyland Cosey set up and adjusted the antenna. It is located about three miles, as the pickup flies, from the district office.

The tower could not be erected at the district office because the First headquarters is so near the Statesboro Airport. The present site of the tower is well off the aircraft approaches.



Carlisle, Cosey adjust the satellite guard



Harper belongs to do-it-yourself school



wonder if I can hide in here?

come here, boy, and help this gal!



won't somebody please help me push this thing?

## FALL CLEANUP AT FOURTH DISTRICT HQ



if you can't paint it or bury it...



hide it.



Dishpan hands and scrub woman's knees are in style at the Fourth District Office at Newnan as the annual "spring" cleaning got off to an early start.

District Forester James Henson is seeing that his staff puts its best broom and mop forward before the oncoming fire season puts them tractor deep in fire lines and backfires. A welcome rain following the close of cone collection activities cleared the way for the "mop-up" project during the lull before the hectic seedling program gets under way.

Besides getting the firefighting equipment ready, the Henson gang is applying their surplus elbow grease to the office building. They've put spit and polish on everything they can move and are planning to cover up everything else. They soon will panel the office with different kinds of wood.

Investigator W.E. Lee and District Ranger Arthur Thornton have mashed thumbs and split fingernails to prove they can handle all carpentry chores.

Assistant District Foresters Wayne Manning and Druid Preston are the general flunkies. Assistant District Forester W.D. Millions handles the gardening and groundkeeping chores. He's also substitute stamp lick-er and mailman.

Radio Technician Billy Chatham has been on the ail-ling list with the flu, but Henson is letting him share in the operation by giving him some homework while fights fights off the Asiatic virus.

Secretary Karen Brown really doesn't have to work at all. Her inspiration keeps up the morale. But, even at that, she's no white collar worker. Henson often allows her to cut the grass or do other light work.

Henson? Well, he don't work. He just gives orders.



# Foaming Cleanser Scours Fire From Florida Forests

Wildfire, the plague of Southern forests, met its match at a recent chemical retardant demonstration at the Olustee Experiment Forest of the Lake City, Fla., Research Center of the U.S. Forest Service.

Sodium calcium borate, a retardant developed by the U.S. Forest Service and the U.S. Borax and Chemical Co., was sprayed with a special pump on the palmetto and gallberry of the Florida forests and on half a pile of pine slash.

A backfire was set which burned to the treated line and stopped. Then a head fire, which quickly grew hot, burned to the line and halted. The untreated portion of the brush pile was fired next. It burned completely, but the treated brush resisted the flames.

The test was sponsored by the Macon Forest Fire Research Center and was directed by Project Leader Robert Cooper. Some 125 farm and conservation foresters from Georgia and Alabama attended the outing.

Other interested spectators included Georgia Forestry Commission Fire Chief James Turner and Assistants Turner Barber and Curtis Barnes. Chief Turner said he felt that the retardant showed promise for use in special fire situations in Georgia and would be tested further. This was the first test of the retardant in the East.



Cooper Watches Distiller Work on Brew



Poof! Poof! And it's moisturized.



More hungry flames gnaw at slash



Fire couldn't digest treated boughs



Hungry flames found treated palmetto inedible



# Fire Control Training Stresses Weather, Safety



If your radio fails, use smoke signals

Georgia Forestry Commission field personnel switched from the woods to the classroom last month for a state-wide series of weather, combustion and law enforcement training sessions.

Teams of district and Forestry Center experts taught classes at each of the 10 district offices on forest fire weather and weather forecasting, law enforcement, combustion principles and safety. Specially-prepared training aids and movies were used to supplement the lectures.

The classes reviewed the fundamentals of sound fire suppression techniques. Safety was emphasized to prevent the needless loss from duty of key personnel because of unnecessary accidents. Investigators reviewed



This is a finger masher...

their duties and procedures to improve county-district co-operation.

"I feel that the training was very successful," Fire Control Chief J.C. Turner Jr. said. "Our personnel should be better prepared than ever to cope with any problems which arise during the coming fire season."

Instructors in the Northern districts included District Foresters George Collier, Ollie Burtz and James Henson; Assistant District Foresters William Schultz and James McElhannon and Assistant Fire Chief Turner Barber.

Southern instructors include District Foresters Olin Witherington, Frank Eadie, Hugh Allen and James Reid; Assistant District Foresters John Stokes and Al Smith; Chief Turner and Assistant Fire Chief Curtis Barnes.



Now how does that heat infection work?

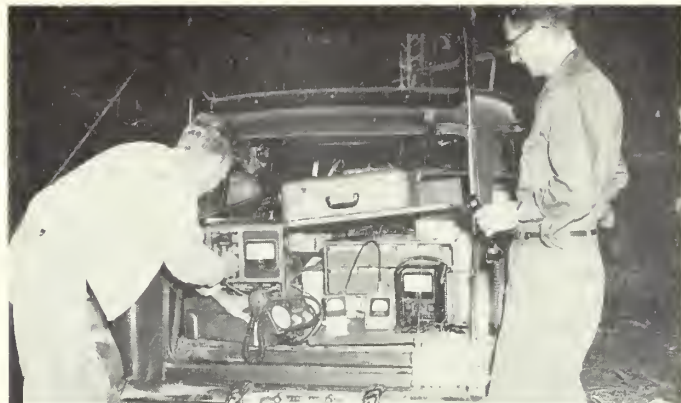
There I was, flat on my back at 40,000 feet when...hey, Jim, don't drop that thing!







Worth- have horse(?), will travel



Dawson- beep, beep, beep...



Dawson- another hot meal for the troops



Jones- what, no sheets or pillowcases?



Dawson- I'm not going to tell you about those mileage tickets again



Worth- Worthiatric flu claims another victim



Jones- which way's the nearest motel?

# Fire Problem Wrap-up

DAWSON-JONES-WORTH



## HONORS AWARDED AT MACON FFA RALLY



FFA Pres. Stewart Bloodworth honors Malsberger, DeLoach

Forestry was spotlighted recently in Macon at the annual Future Farmers of America rally.

Bobby Cone, a senior at Soperton High, received the coveted Star Georgia Planter title and Guyton DeLoach, director of the Georgia Forestry Commission, and H.J. Malsberger, head of the Southern Pulpwood Conservation Assn., along with some 20 other outstanding citizens were given honorary Georgia Planter degrees.

Bobby's award won him a new tractor presented by area Ford tractor dealers and \$100 from the National FFA Foundation.

Applying knowledge gained in vocational agriculture classes, Bobby took over management of a 62-acre woodlot. He has used a mechanical tree planter to set out 19,400 pine seedlings and has practiced hardwood control on 40 acres. He also has cupped 500 trees for gum farming and works 1,500 turpentine faces on halves with his father. This year he sold 25 barrels of crude gum and cut 236 fence posts and seven units of pulpwood. His agriculture teacher is H.H. Glisson.



Bobby tries out prize for size

Georgians from the Appalachians of Catoosa to the sandhills of Screven heard, saw and practiced forestry at recent Commission demonstrations.

First District Forester W.C. Harper was a featured speaker at a forestry demonstration in Screven County sponsored by landowner John W. Howard and the Screven County and Verdery and Chandler Pulpwood Yards of Sylvania.

Landowners, state and industrial foresters and representatives of other phases of forest industry attended the outing on Howard's property south of Sylvania.

"Georgia is pining away," he said, "and I'm glad of it. We can't compete with other sections in cotton, but we can beat them at pulpwood and saw timber. We must have good forest management to make money, though."

Harper traced the history of the Screven County Forestry Unit and praised county residents for their fire consciousness. The group praised the role Screven County Ranger Lloyd Bazemore has played in the war on fire.

Ringgold High School students practiced what they'd learned in the classroom at a management demonstration sponsored by Catoosa Ranger James Scott and High School Teacher Ray McClanahan.

## Demonstrations Presented Throughout State



Harper speaks at Screven Demonstration

More than 100 boys and girls swarmed through a woodland lot owned by Mrs. T.D. Bates at Tunnel Hill, Ga. and watched on-the-spot techniques in tree identification, marking and thinning. The youngsters actually cruised the site, each selecting trees he thought should be harvested to improve the stand.

The outdoor class was conducted by Commission employees from the Seventh District Office at Rome and from the Forestry Center at Macon. Assistant District Management Forester Chuck Place explained the fine points of tree identification, Assistant District Forester Armand Cote discussed marking and the Commission's I&E Chief Frank Craven outlined general management practices.



# RANGER ROUNDUP



Davisboro Nursery Supt. Frank Pullen and staff built this miniature nursery which was displayed in the Washington County Courthouse during the Kaolin Festival.

GOODBYE, OLD PAL...Wilkes County Ranger T.H. Bulard lost an old friend recently—a fire tower, not District Forester George Collier. The 60-foot Wilkes Fire tower, which was formerly located south of Washington between the Crawfordville and Union Point Highways, was dismantled after serving since March, 1949. It was rendered surplus by the erection of the fire tower in adjoining Taliaferro County. Fire towers in other adjacent counties also provide visibility into the same area, District Forester Collier said.

FORESTRY SHORT COURSE AT TIFTON...Second District Forester Hugh P. Allen and Forest Technologist Rufus Page headed a list of instructors who participated in the annual forestry short course held recently at Abraham Baldwin Agriculture College in Tifton. Purpose of the course was to provide information to South Georgia landowners in order to promote better forestry.

BALLS O'FIRE!...Seems like the Russians are loading the heavens with so much junk that almost everybody's got stars in their eyes. Otis Ulm, Worth County towerman is no exception. According to Worth Ranger Lewis Conger, Otis spotted a stranger in the sky while on night duty at Warwick Tower. A quick radio check with Crisp and Dooley County towermen proved it wasn't a flying pink elephant, the ranger said, because they saw it too. All agreed on what it wasn't. They said it wasn't a sputnik, a muttnik or a flying saucer. It was man-made and was an oval-shaped aircraft that appeared to be lighted internally, they declared. After a brief tour over the tri-county area, the stranger whisked off to the north and disappeared. Some speculators ad-

vanced the theory that it might have been a premature visit from Santa Claus, a leftover Halloween spook or a good fairy. But, it couldn't have been because nobody believes in them anymore.

FPRS FALL MEETING...The Florida-Georgia-Alabama Section of the Forest Products Research Society held its fall meeting Dec. 5-6 at Daytona Beach, Fla. GFC-USFS Wood Technologist Rufus Page of Macon, who is chairman of the section, presided. Progress reports on research and developments in wood utilization in the Southeast were featured. Leading speakers included P.S. Knox Jr. of Thomson, Ga., J.A. Vaughn and R.L. Osborne of Atlanta, Fount Rion of Palatka, Fla., and Harold Colee, executive vice president of the Florida Chamber of Commerce.

PROF. EASON TEACHES...Evans County Ranger A.D. Eason recently conducted a fire control demonstration for Claxton High School forestry students. The demonstration was held on the home forestry plot of Al Jenkins and was given in conjunction with the FFA school forestry program sponsored by the Dept. of Vocational Agriculture and Union Bag-Camp Paper Corp.

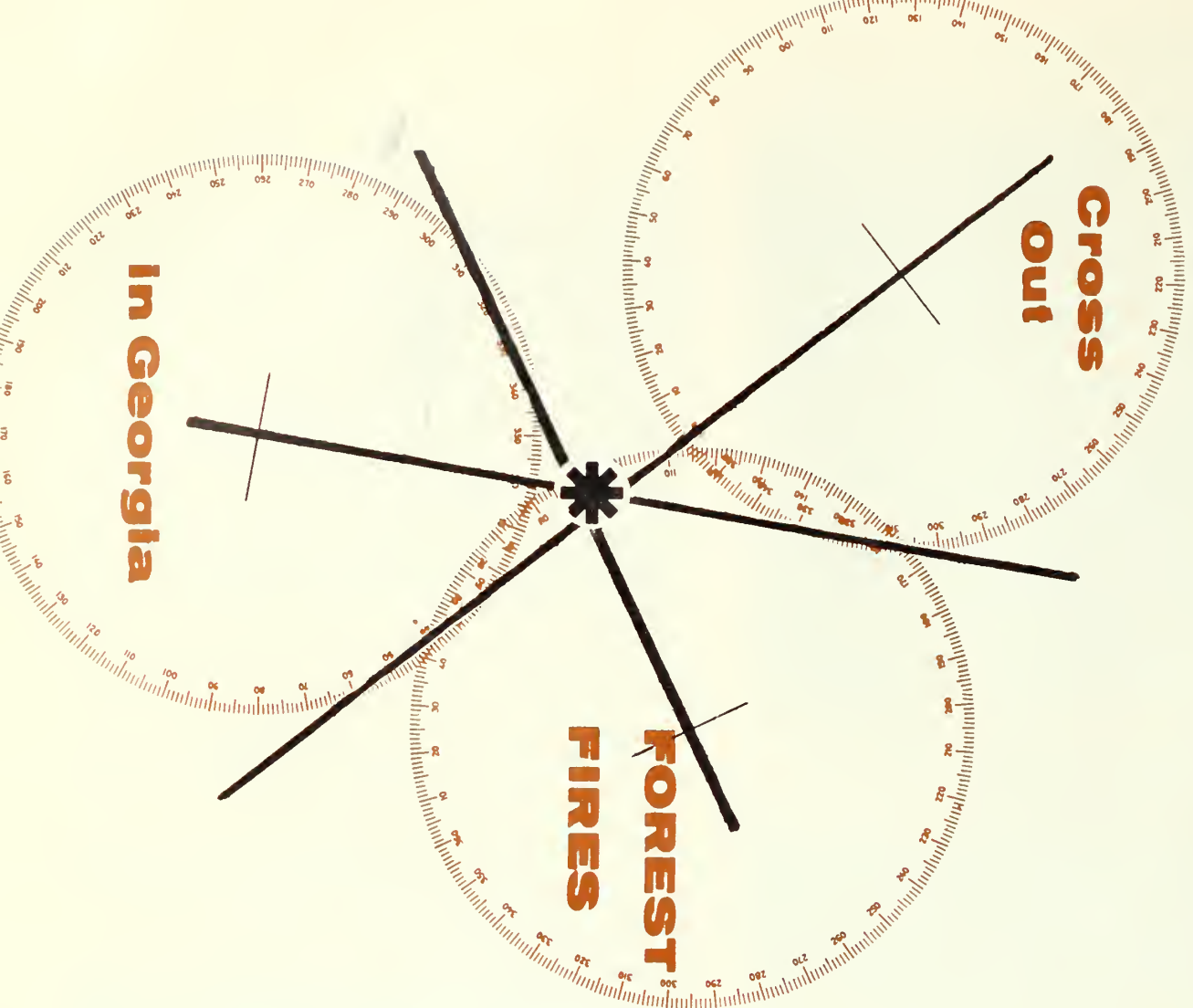
Ranger Eason plowed pre-suppression firebreaks around the three-acre plot. Union Bag Forester Calvin Cherry and Vo. Ag. Teacher Lenwood McElveen also appeared on the program.

SOUTHEASTERN SAF MEETING...The Southeastern Section of the Society of American Foresters will hold its annual meeting Jan. 30-31 in Panama City, Fla., at the Dixie Sherman Hotel.



Four months? Six, maybe? District Forester Bill Harper, left, crosses his pinkies, hoping that the new Bulloch County headquarters will be finished soon. Bulloch Ranger Paul Moore predicts four months. Assistant District Forester Al Smith says six. Moore and Smith did the ground levelling beneath their brogans.

November, 1957



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# FORESTRY

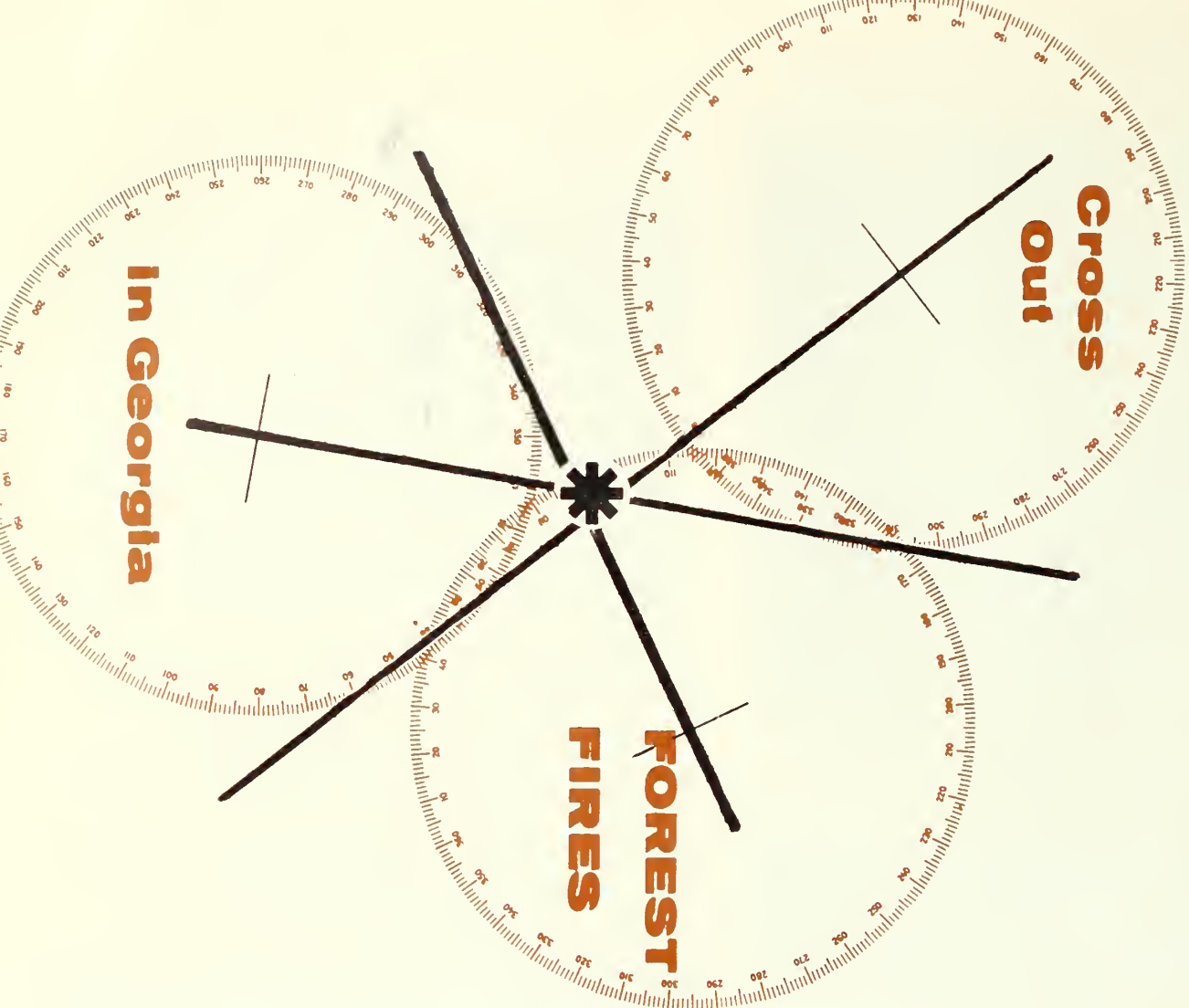
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## Forest Fire Season

(from the Griffin Daily News)

Fire season is here!

A thick blanket of fallen leaves will soon cover the floor of forests. Fields are rapidly changing from green to brown. Fanned by dry autumn wind, this accumulation of dead vegetation will become a vast tinder box, ready to burst into flames at any moment.

Cooperation between landowners, plus an assortment of simple fire fighting tools on every farm, could mean the difference between blackened ruin and healthy, income-producing forests.

All farms have tools which can be used in fighting woods fires. Other tools can be purchased for little expense or made from discarded materials. The primary hand tools are rakes, axes, brush hooks, flaps, shovels, and portable water tanks. One of the most effective weapons for fighting fire is an ordinary farm tractor fitted with a heavy disc harrow. Adequate fire breaks can be easily plowed with this equipment. All tools should be kept in good repair and stored in an accessible place.

Neighbors may cooperate with one another in controlling woods fires. Properly organized, a few landowners can become an effective fire control unit.

## Forestry Is A Profession

(from the Atlanta Constitution)

There's a lot more to forestry these days than tower-climbing and smoke-watching.

New research techniques being used to improve the nation's woodland resources include use of radioactive isotopes, studies of tree genetics, development of disease-resistant strains and seed orchards, and modern methods of drying lumber.

Dean Allyn M. Herrick of the University of Georgia School of Forestry, writing in the November issue of the Georgia Alumni Record, points out that forestry is a profession with its own professional organization, journal and code of ethics.

## GEORGIA FORESTRY

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"It is both a science and an art," he says, "for the courses of study are heavy with fundamental and applied science and yet the graduate forester does not attain full stature until he has practiced the art for several years."

Employment opportunities for professionally trained foresters are plentiful, Dean Herrick reports. Some are self-employed. Others work for public agencies or private enterprises.

The Georgia school also trains students from other Southern states without accredited forestry schools. The university supplies 94 per cent of Georgia's state-employed foresters, one of every three industrial foresters, and more than half of all the foresters in Georgia.

The school, named in honor of philanthropist George Foster Peabody, this year begins its second half-century of service. Current enrollment totals nearly 300 and there are about 900 graduates of the school.

The nine-man teaching staff has the use of a modern three-story building, more than 2,000 acres of forest properties, and modern equipment. The school is the South's oldest forestry school and one of the nation's oldest.

Graduates of the forestry school are responsible for protecting forests from fire, insects and disease; for harvesting and marketing forest products; for the welfare of forest wildlife, and for recreational use of forest areas by the public.

The forestry school's radioisotope laboratory uses atomic particles to trace effectiveness of growth regulators used to control growth of undesirable hardwoods.



## Fire Compact Meets, Views 'H<sub>2</sub>O' Bomb



Millett, Claridge, DeLoach, Ewing Lead Group

Southern states banded together this month at the Georgia Forestry Center, but under the banner of fire protection instead of the "Stars and Bars."

State foresters, fire chiefs, legislators and representatives of forest industry attended the annual meeting of the 10-state Southeastern States Forest Fire Compact Commission.

They decided to hold a compact manual training session next year, heard reports on compact activities and elected new officers, who are N.C. State Forester Fred Claridge, Raleigh, chairman; T.M. Millett, Louisville, Ky., vice chairman; and Alabama State Forester Jake Stauffer, Montgomery, re-elected secretary. Retiring Chairman Guyton DeLoach was named to the executive committee along with Hubert Wheeler of Ewing, Va.

Carl McNasser, chief of Fire Research at the SE Forest Experiment Station, Asheville, N.C., reported on Southern fire research. He pointed out that the Macon Forest Fire Research Center is the only one of its type in the nation. The Center conducted its first test of a water drop on a simulated forest fire and the delegates viewed the event with interest.



"Papa" Checks Children in Nursery

## NURSERY "DEAN" ENDS 24 YEARS AT HERTY

An era ended this month in Georgia Forestry Commission tree seedling production with the retirement after 24 years service of Herty Nursery Supt. M.E. Murphy.

The "Dean" of Georgia Reforestation and his wife were honored at a banquet at Albany earlier this month. Murphy was presented with a plaque commemorating his long and faithful service. He received several gifts from his devoted associates.

Commission Director Guyton DeLoach and Reforestation Chief Sanford Darby paid tribute to Murphy's many achievements.

"In my 16 years service with the Commission," DeLoach said, "Mr. Murphy has been an excellent friend at all times. He has played an invaluable role in the development of large-scale seedling production and in training Commission nursery personnel. It won't seem the same without him."

Murphy has seen seedling production rocket from the mule and shovel to the tractor and mechanical seedling lifter stage in his nearly quarter century of service. He recalled that his first seedling crop at Herty, which was planted completely by hand, totalled only 480,000 seedlings. The 1957 crop was over 20 million.

In 1933, Herty personnel hoisted the bales of seedlings onto their shoulders and walked them to the railroad station for shipment. Now big trailer trucks range the counties about the nurseries delivering thousands of seedlings in each load.

Murphy's achievements include the construction of the first seedling grading table in the South and pioneer work in the application of soil fumigants, sterilizers, fertilizers and soil management. He helped develop a successful method of storing pine seed. He was leader in the study of the genetic variations of pines.

Not only has Murphy produced over 300 million seedlings at Herty, but he has been instrumental in training many outstanding nurserymen, including Reforestation Assist. Fred Atchison, Page Supt. Mack Neal, Herty Supt. J.K. Jones, Hightower Supt. Buster Harris, Horse-shoe Supt. Donald Jones and many others.

Retirement from the state has not meant retirement from work, for Murphy is now working with the Louis Taylor Farms at Tifton—you guessed it—growing pines.



"Nursery Dean" Admires Gift



DeLoach Presents Plaque to Murphys



# PARADE, DEDICATION WELCOME TALIAFERRO

Forest fire control entered Taliaferro County with a flourish recently, despite a cold snap which hit the county the night before. A three-city parade, a barbecue, an equipment display and speeches highlighted the dedication of the county's first fire tower.

Parades through Greensboro, Union Point and Crawfordville of floats, Georgia Forestry Commission and industrial fire fighting equipment and bands from the Greene and Taliaferro County High Schools opened the day's festivities.

The motorcade wound up at the tower site a few miles north of Crawfordville. There GFC Director Guyton DeLoach spoke to 500 persons on the importance of forestry to Taliaferro County and explained the services of the Commission to the newcomers to the GFC family.

Miss Sara Ann Nelms, Crawford County's 1958 Keep Green Queen, then christened the tower with a bottle of turpentine. The barbecue followed.

On display at the tower were the GFC emergency fire fighting headquarters trailer and kitchen and tents containing management, reforestation, fire control and information and education displays.

Bill Johnson of Greensboro was chairman of the tower dedication committee, while District Forester George Collier and Assistant Bill Schultz ramrodded the Commission's part of the program. H.E. "Buster" Moore of Greensboro is ranger of the combined unit, whose headquarters remain at Greensboro. A fire suppression unit is now stationed in Taliaferro County, however.



Equipment Exhibit Was Big Hit



Smokey Welcomes Spectators



DeLoach extends Commission greetings



Queen Nelms Christens Tower





Governor holds as Jody shovels; Swingle, you know who, DeLoach, Janice, Linda, Lindh look on

## JODY PLANTS BILLIONTH TREE AS U.S.F.S. SALUTES GEORGIA



'Copter lays hose where no man goes

America's billionth pine seedling of 1957 was planted at the Georgia Forestry Center earlier this month by Gov. Marvin Griffin, marking Georgia's premier position in U.S. reforestation.

The celebration was sponsored by the U.S. Forest Service to honor Georgia for leading the nation in 1957 in seedling production and in acreage planted in seedlings.

Gov. Griffin and three beauty queens not only planted the seedling, which symbolized the honor, with a gold-plated shovel, but the Governor dedicated the Page and Morgan seedling nurseries, the pine cone curing and seed extraction plant at the Forestry Center and the new Second District headquarters at Camilla.

Assist. U.S. Forest Service Chief W.S. Swingle extended Federal greetings to the Commission and hailed Georgia's reforestation achievements. He was warmly





Macon Mayor Merritt welcomes visitors to Center

welcomed by Commission Director Guyton DeLoach, who emceed the program, as the "man who got us the money for the new nurseries."

Gov. Griffin said the honor was symbolic of Georgia's rapidly expanding forestry program. He added that the growth is no accident, though. It has been made possible through increased state appropriations.

Fog, flaming brush piles, exploding water bombs and 'chuteless firemen bailing out of helicopters added to the color, which was heightened even more by the glamorous assistance lent the Governor by Miss Georgia--Jody Shattuck, Miss Keep Georgia Green--Janice Threadgill and Miss Pine Seedling--Linda Brown.

The fog slowed the Governor's arrival and forced his detour to Cochran, but he and his party were 'rescued' from there by the Air Force helicopter sent to the Center to stage a rescue demonstration.

The flaming brush piles were part of tests of sodium borate fire retardant and drops of H-2-O water 'bombs' on forest fires by a modified torpedo bomber.



H2 O bomber makes big splash



Sodium borate stops flames again



# COUNTY GREEN



Radioman Al Young and Schultz stand by

## Collier & Co. Take Message To Tenth



"What can I dedicate next?"  
George asks able aide, Mrs. Jordan



Fire! Sgt. Alvin Y. Collier tells  
Harrison, Palmer



Crawfordville: they wish they hadn't burned



Macon: Smokey arrives via 'johndeer'

## PARADING



Gray: back where they started at Hitchiti



Zero one zero to zero two. I have an empty main  
et in Madison County. Go get 'em. Zero one zero

Zero two to zero one zero. Roger. Zero two out,"  
nd away goes another 10th District forestry parade

oy, led by Investigator Tom Shelton and hard riding  
Bill Schultz, the forester who gits thar fustes' and  
es' with the mostes' floats. Scarcely a hamlet big  
ugh to boast a main street in the 15-county district  
escaped the forestry message this season.

GE is a booming business in North Central Georgia.  
ades, talks, demonstrations, Yule decorations, tv  
vs staged by T.M. Strickland, the Cracker's Arthur  
frey, forestry camps--it's all in a year's work.

ut it's not all showmanship at Washington. Collier  
os things running smoothly in the field, or forest,  
d by an expert crew of fire control and management  
esters and rangers.

ere are weekly paint gun marksmanship sessions for  
agement Men John Harrison and W.D. Palmer.

nspections are a vital part of the district office rou-

When they're not parading, Collier, Schultz and  
rict Ranger Hollis Winn make life miserable for their  
working rangers by poking around the units' equip-  
and property.

ut it can't be too rough, for the 10th has one of the  
active rangers' clubs in the Commission and the  
hly meetings are always a treat. You can't hardly  
up from the supper table afterwards.



Where's the carburetor, Bullard?

## THRU GEORGIA...

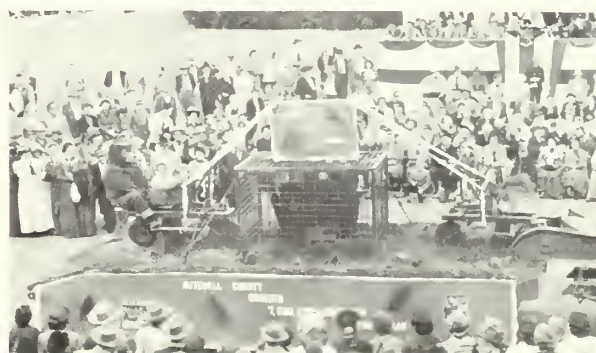


Washington: Smokey brings '57 model Santa



Ellaville: arson doesn't pay here either

Camilla: Smokey plants reforestation idea



# FPRS Meeting...



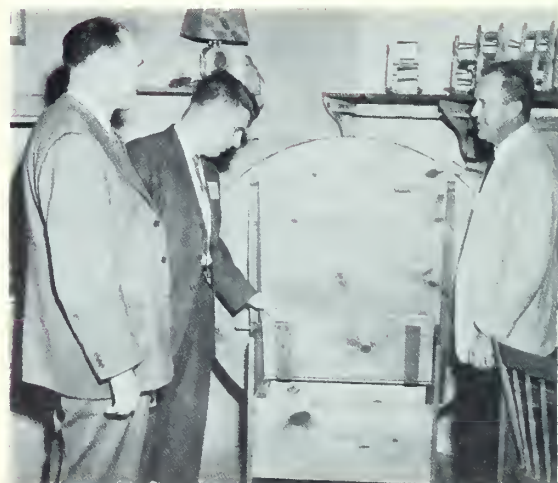
Paul Bryant shows ash tray base to Page, Jacobson, Hill during tour of famed furniture workshop



Smith begins Vanguard countdown



Old SWSA chief wrings in the new



Tourists discover secret compartment

Freezing temperatures and exploding Vanguard rockets could not deter the Georgia-Florida-Alabama Section of the Forest Products Research Society at their recent fall meeting in Daytona Beach, Florida.

For there were plenty of combustible forest products to beat unseasonable cold and a spacious ground level meeting room at the Casa Linda Hotel to provide shelter from missiles from nearby Cape Canaveral which missed their orbits.

Some 50 state and Federal foresters, manufacturers and pedagogues, plus 15 wives, attended the FPRS affair. Almost 20 men attended the Southern Wood Seasoning Meeting on the preceding day.

FPRS officers elected are Chairman Gus Jacobson, Soderhamn Mfg. Co., Talladega, Ala.; Vice Chairman Dr. John Hill, Alabama Poly, Auburn, Ala.; and Secretary-Treasurer Ralph Peter, USFS, Athens, Ga. who was re-elected.

New SWSA officers are Chairman Dr. Jacob Huffman, Univ. of Florida, Gainesville; Vice Chairman Alex Sessoms, Cogdell, Ga.; and Secretary-Treasurer Lou Gaby, Athens, Ga., USFS.

Speakers from North Carolina to Florida reported on research projects underway and new ones on the way and on new developments in the manufacturing field.

They included Leroy Rand and Fountain Rion, Florida Furniture Industries, Palatka, Fla.; P.S. Knox, Knox Corp., Thomson, Ga.; W.R. Smith, USFS, Asheville, N.C. J.A. Vaughn, Southern Wood Preserving Co., Atlanta; R.L. Osborne, American Wood Preservers Institute, Atlanta; Don Post, Univ. of Florida; and Harold Colee of the Florida Chamber of Commerce.



# RANGER ROUNDUP



GFC-USFS Forest Products Technologist Rufus Page paused long enough during lumberyard tours to co-author a study on "Heavy Losses in Air Seasoning Georgia Pine and How to Reduce Them." Forestry Prof. Roy Carter of N.C. State College worked with Page on the paper, which was sponsored by the Southeastern Forest Experiment Station, Asheville, N.C. Rufus looks over his baby in his Macon office.

TENTH DISTRICT SOCIETY NOTES...Assist. Dist. Forester Bill Schultz got spruced up recently to present Cedar Deodara seedlings to Washington Woman's Club members. Sweet William got the rare seeds for the seedlings from a tree belonging to Norman Adams of Tignall. A quick look in a reference book reveals that Deodara is a Far Western native.

NEW HEADQUARTERS...Marion County Ranger John O'Donnell, Patrolman Lindsey Barwick and Assist. Patrolman Bobby Welch are busy building a new headquarters in South Buena Vista. The framing is almost completed on the three-room structure. O'Donnell said he expected to have his palace completed in the spring.



Wheeler County Ranger Alston Cherry turned lecturer recently to present a fire control demonstration to members of the Glenwood High School FFA classes.

RESEARCH NOTES--Eight major pulp and paper companies have formed the Georgia Pulp and Paper Assn. to push research and education. The group will report on the industry's economic and social importance in Georgia and will co-ordinate the drive on air and water pollution abatement. Headquarters are at Brunswick.

W.T. McDaniel, manager of industrial relations for Rayonier at Jesup, is president of the new group. John A. May, president of Georgia Kraft Co. at Macon, is vice president; Malcolm B. Pineo, technical director of the Brunswick Pulp & Paper Co., is secretary, and J.P. Schenck, plant engineer of Certain-Teed Products Corp., Savannah, is treasurer.

Other members include Owens-Illinois, Valdosta; National Paper Co., Atlanta; Southern Paperboard Corp., Savannah; Mary's Kraft Corp.; Rubberoid Co., Savannah; Union Bag-Camp Paper Corp., Savannah.



Senator Herman Talmadge, long-time friend of Georgia forestry, plants a "super tree" at the recent dedication of International Paper Company's Experiment Forest at Bainbridge. Forest Director Dr. Charles Driver hangs on to the muscular tree to keep it from jumping out of the ground, while various International executives look on.

ELECTION NOTES...Georgia foresters are winning new national honors. U. Ga. Forestry Dean A.M. Herrick was named vice-chairman and secretary of the National Council of Forestry School Executives. SPCA GM Henry Malsberger of Atlanta was elected vice president of the Society of American Foresters. He was installed at the recent national convention in Syracuse, I&E Chief Frank Craven represented the GFC.

SOUTHEASTERN SAF MEETING...The Southeastern Section of the Society of American Foresters will hold its annual meeting Jan. 30-31 in Panama City, Fla., at the Dixie Sherman Hotel.

SEE HERE, PRIVATE JONES...The Forestry Commission's loss was the Army's gain (or vice versa, Atlanta's young lovers say) when Fulton County Ranger Terrel Jones was called by Uncle Sam. Terrell, irked by lovers' lane fires started by smoking lovers, last summer asked Fulton and Atlanta police to block off the sparking places. Hurry back, Pvt. Jones.

December, 1957



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