

# THE GHOSTS OF THE FOREST ARE COMING TO LIFE AGAIN

"Green chestnut" trees are the ghosts of the mountainside, and their rustling of chestnuts falling on the ground when the summer is gone, sounds like a page out of some old, old book doesn't it? Or it sounds as if someone working on the Parkway were seeing "spooks" — "tree spooks" — doesn't it? Because we all know as well the sad sight of the ghosts of the old chestnut trees in nearly all the forests of the Blue Ridge and we all know they have been just skeletons since early in the century.

But truly this is not all ghost talk, and anyone can see green, living chestnuts in the broad daylight if he will go to Rocky Knob Park where we have planted an orchard nursery of them. To be sure the trees are not the old American Chestnuts, but they are close kin to the old type and are called the Chinese Chestnut. The nuts are of like size to the American and taste much the same, though some people believe they are somewhat sweeter. The newly developed tree is "blight resistant," grows rapidly, and begins to bear when five years old. There is a Chinese Chestnut tree at Woodlawn, Virginia, which is now fifteen years old and bears a half bushel of nuts a year.

We first learned of the development of this "blight resistant" species from a gentleman in Roanoke City who has made a study of them (By the way, it is not the "chestnut worm" that killed the original trees, but a tree disease or blight; the worms appeared later in the dead wood.) We purchased the nursery seedlings and planted them at a 3,200-foot elevation in the Park in order to develop this promising

area in the higher altitudes. The plan is to send the trees to various parts of the Blue Ridge at Rocky Knob as a propagation nursery. As the trees begin to bear we plan to distribute the chestnuts to Soil Conservation farmers along the Parkway who wish to start chestnut orchards.

The Chinese Chestnut likes good soil and requires a fertility something like that of the apple orchard. The trees do not require care other than keeping the brush down around them. They should be planted like apple trees in good soil mixed with a little well rotted manure, and they should be spaced about forty feet apart for good bearing. We are also told of another "blight resistant" chestnut of the Japanese variety. This is similar to the Chinese Chestnut except that the nuts are larger and more starchy. This type is excellent for hog feeding since it bears more nuts per tree, and we have reports that the Japanese Chestnut is producing more hog feed per acre than corn grown on the same soil.

Therefore, it is our hope and our expectancy that the years will bring back something of the old days when the chestnut was perhaps the mountains' most important "cash crop." And so the ghosts of the forest come to life! —Blue Ridge Parkway News.

## Philco Announces New Invention

A new invention marking the first fundamental improvement in the phonograph since Edison's discoveries in the recording and reproduction of sound was made public for the first time when a photo-electric phonograph was revealed to a group of leading scientists, musicians, and civic leaders by engineers of the Philco Research Laboratories at the Edgewater Beach Hotel, Chicago. Philco engineers and scientists have been engaged in the development of this new and fundamentally different instrument for a number of years.

The photo-electric phonograph uses entirely new principles in the reproduction of music and speech from records by giving practical application for this purpose to one of science's greatest achievements—the photo-electric cell. As the result of their research and experimentation, Philco engineers have succeeded in "producing what is really on the record" by means of a beam of light. Among the advances made possible by this invention are a notable improvement in the tone and quality of phonographic reproduction and an increase of 900 per cent in the useful life of records.

"Until development of the photo-electric phonograph, the basic principle of the phonograph and its operation had not been changed essentially since Thomas Edison first invented it in 1877," said David Grimes, Chief Engineer of Philco Corporation, who explained the new invention.



Today - Friday  
"Your Entertainment Center"  
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## STAR IN "SAILOR'S LADY"



With Nancy Kelly as the lady and Jon Hall as the sailor, there's laughter from ship to shore in "Sailor's Lady," the 20th Century-Fox film at the New Orpheum Theatre, today and Friday. It's riotous as a thousand gobs go on the loose! It's frantically funny when an adopted baby is smuggled aboard the flagship and the war games are scuttled! And it's romantic when the two find love!

"During all these years the method of phonographic reproduction of sound from a record had been a matter of mechanical action requiring forced vibration of a mechanism. A needle, usually made of steel or some other hard metal, was held tightly in the tone arm. This needle, being forced through the grooves of a revolving record, would reproduce in its own vibrations the variations recorded in the groove and transmit them, directly or indirectly, to the loud speaker. Obviously, if the machine was to operate successfully, the needle had to be firmly held in the tone arm of the phonograph and pressed up on the record with sufficient force to vibrate. Considerable friction and wear and tear on the records resulted.

"The basic idea that Philco engineers brought to the improvement of the phonograph was to eliminate the actual, mechanical work formerly done by the needle being dragged through the grooves of the record. The availability of the photo-electric cell made it possible to give this idea practical application. "In the Philco invention, the needle has been replaced by a sapphire jewel which floats through the grooves on the record, transmitting the tone vibrations to a tiny mirror swinging freely on an axis. A beam of light, produced by a small bulb and directed at this vibrating mirror, picks up the vibrations and reflects them on a photo-electric cell. The cell, activated by the vibrating lightbeam, converts these vibrations electrically into music.

"In other words, the floating jewel of the photo electric phonograph acts merely as a control valve to operate the photo-electric cell. Thus, the friction characteristic of the operation of former types of phonographs has been eliminated.

"The mirror in the photo electric phonograph is as thin as paper. It is made of a special glass used in the manufacture of scientific instruments. The mirror itself has a vaporized aluminum coating similar to that of the new 200-inch telescope. "A steady flow of light for the tiny bulb shining on the mirror is provided by an oscillator which transforms ordinary 60 cycle A. C. house current into high frequency current of 1,800,000 cycles.

"The bulb itself had to be especially designed in order to be sufficiently small and light weight. No flashlight bulb was strong enough for the purpose. The one used in the photo-electric phonograph is filled with argon in order to provide a bright light and still not burn out quickly."

Because a freely floating sapphire jewel has replaced the steel needle to detect what is on the record, wear and tear are reduced to a minimum, and gouging and raying of the record are virtually eliminated. The jewel has a life of 8 to 10 years. Use of it increased the life of records so greatly that they may be played 1,000 times.

In qualities of sound reproduction, the new Philco photo-electric phonograph is superior to anything previously attained. The sound range possible of satisfactory reproduction has been greatly extended. The musical range of the photo-electric phonograph completely covers all musical instruments. Of perhaps even more importance, the new photo electric phonograph reproduces clear and clean bass notes because, unlike machines using crystal pickups, there is nothing to limit the vibrations of this new mechanism.

Thus, the photo electric cell, which has been performing almost magical feats in research laboratories and industry, promises to come to millions of American homes for the first time and bring greater enjoyment from the use of the phonograph than ever before.

## Temple Hill News

Mr. and Mrs. George Wells and family spent the day with Mr. and Mrs. W. M. Welborne, Sunday.

Mr. P. L. Day spent the week-end in Mocksville.

Messrs. John and Amber Welborne, of Haw River and Marland, visited their father during the week-end.

Sunday school was well attended Sunday after which Rev. M. Stevens delivered a fine message.

Mrs. Cornelia Day celebrated her 84th birthday Sunday. Her host of relatives and friends are wishing her many more happy birthdays.

Little Miss Peggy Day, daughter of Mr. and Mrs. P. L. Day, visited her aunt, Mrs. R. E. Stoves, Friday afternoon.

We are glad to know that Mrs. Ida Wells is recovering from a fall a few weeks ago.

## Many Farms Need Better Drainage

Poorly-drained fields, now a liability to many North Carolina farmers, could be changed into profit-makers if proper drainage systems were installed, says H. M. Ellis, agricultural engineer of the State College Extension Service.

Land drainage is a major problem with the average farmer of the Coastal Plain area of the State. Also in practically all of the Piedmont counties and in many of the mountain counties, there are considerable acreages that are not yielding full returns in harvest and money because of inadequate drainage.

Ellis explained that drainage is the removal of surplus water from the soil, either naturally or by channels artificially constructed. Surplus water is the excess above that needed from day to day for the use of plants and that stored in the lower layer of the earth as a reserve supply during dry periods.

For practically all crops grown in this State, it is necessary to have a quick drainage. Ellis pointed out. Where natural means do not take care of the rainfall rapidly enough, it becomes essential to supplement the natural water channels with artificial drainage.

The artificial channels used must be so constructed and situated as to conduct surplus water from the soil. Since this system is to aid Nature, it should imitate natural methods insofar as practicable.

The cheapest and simplest method of surface drainage is shallow ditches that follow the low depressions through the field. Best locations for the ditches can be determined readily after a heavy rain when the water is standing on the ground. Tile drains are best and cheapest in the long run for underground drainage.

**Harris-Keeling Engagement Announced**  
Louisburg, July 10.—Mr. and Mrs. Herman Beaufort Harris, of Louisburg, announce the engagement of their daughter, Marguerite, to Otis Thaxton Keeling, of North Wilkesboro, son of Mr. and Mrs. J. T. Keeling, of Louisville, Kentucky, the wedding to take place in the late summer.

## Quinn's Program For Convention Of N. C. Postmasters

Program for the annual convention of the North Carolina branch of the National League of District Postmasters to be held at Durham on July 15 and 16 was released here today by Mrs. Mattie F. Greer, of Boomer, secretary-treasurer.

Headquarters for the convention will be at Washington Duke Hotel, where registration will begin at 8:30 on Monday morning, July 15. Benjamin F. Bird, of Grover, president, will call the convention to order at ten a. m. After singing of "America" and pledge to the flag, Rev. Henry B. Anderson, pastor of Grace Baptist church, will conduct devotional services. Words of welcome will be spoken by W. F. Carr, mayor of Durham, Joseph C. Allen, Durham postmaster, and Frank A. Pierson, secretary of the Durham chamber of commerce. Response will be by John A. Davis, postmaster at Waxhaw.

Carl T. Durham, sixth district congressman, will address the convention during the morning session. Reading of minutes, appointment of committees and the message of the president will conclude the morning program.

The Monday afternoon program will begin with short talks on four phases of postoffice work: money orders, registered mail, parcel post and general delivery. There will also be three major addresses by: W. S. Bagwell, superintendent of mails at Durham postoffice; representative of central accounting postoffice; John R. Gallagher, of Ludlow Falls, Ohio, member national executive committee. There will be a tour of the city at four p. m.

On Monday night at eight o'clock a banquet meeting will be held. William J. Dixon, superintendent of the division of postmasters of the postoffice department, Washington, D. C., and In-

C. E. Hatcher, of Greensboro, will speak. After the address, box sessions will be arranged and will be presided over by the following: North Carolina Postmaster General, Hatcher; Secretary, Greer; Treasurer, Hatcher; and Postmaster, Allen.

The program Tuesday morning will be composed of a business session, report of secretary, report of committees, election of officers and delegates to national convention and selection of convention city.

A new simple process, now widely used on trans-Pacific ships, will keep bottled milk fresh and sweet for periods as long as three months.

## Grange Enjoy Picnic Tuesday

Team From Salisbury Confer Degrees On Three Candidates Tuesday

Wilkes Grange was host to a drill team from Rowan county at a picnic held Tuesday evening at Pine Ridge picnic grounds near Moravian Falls.

A picnic dinner was thoroughly enjoyed as the big feature of the meeting there, after which degrees were conferred on three candidates in the meeting which followed in the community house in Wilkesboro.

## Be Safe!

The North Carolina Insurance Commission has ruled that if you do not pay your dues within the 30 days period of grace as prescribed by law it will be necessary that you be penalized 30 days before your insurance is again in force.

Your assessment was due July 1st. July 31st will be the last day you can pay and avoid the penalty.

However distant July 31st may seem to you, times flies.

PAY EARLY—lest you should forget!

PAY EARLY—and avoid the penalty!

BUT MOST IMPORTANT—PAY EARLY AND BE SAFE.

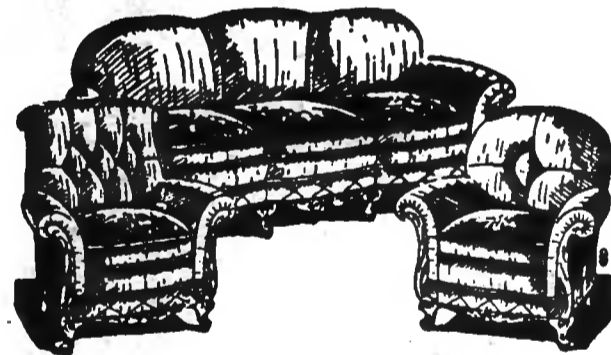
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