

A pair of work pants requires one and a half pounds of cotton. By 1975 it is estimated that 10 to 12 million tons of fertilizer will be used annually. This would be an increase of 75 to 100 per cent over today. By 1956, 90 per cent of American farms had mechanical refrigerators.

### TONIGHT IN HIGHLANDS — 'The High Arctic' Is Topic Of Dr. Schuster's Lecture

HIGHLANDS — "The High Arctic" will be the subject of an illustrated lecture tonight (Thursday) at the Museum of Natural History Building by Dr. R. M. Schuster.

The lecture, which begins at 8 o'clock, is open to the public, and is another in the current summer series being sponsored by the Highlands Biological Station.

During the summer of 1955, Dr. Schuster did field work at or near Alert, Ellesmere Island, which is situated 1,500 miles north of the southern tip of Baffin Island, 375 miles north of Thule, Greenland, at the edge of the Arctic Ocean and within 500 miles of the North Pole.

In the area, Dr. Schuster—alone and on foot, accompanied only by Eskimo dogs and an occasional wolf—covered about 350 miles in his field work. He found some 275 species of mosses and lichens. Only 72 species of flowering plants and ferns are known from the same area.

From 1953-56, Dr. Schuster was visiting professor of botany and a Guggenheim Fellow at Duke University. He is now associate professor of botany at the University of Massachusetts. Dr. Schuster's research at present is directed towards a monograph of the hepatics of North America.

The research on the rich hepatic flora of the Southern Appalachians, particularly that of the deep gorges of the Southern Escarpment of the Blue Ridges, is currently being supported by a National Science grant-in-aid, administered by the Highlands Biological Station.

#### Questions And Answers About North Carolina

Q. I know that Clingman's Dome is in the Great Smoky Mountains National Park. Where is the other mountain named Clingman's?

A. Clingman's Peak is in the Black Mountains (or Mount Mitchell range) about 30 miles north of Asheville. Both Clingman's Dome and Clingman's Peak are named for General Thomas Lanier Clingman, Confederate general, explorer and United States Senator, who measured several mountain peaks in Western North Carolina.

Q. Where is the Geographical Center of North Carolina?

A. Near the community of Gulf, in Chatham County.

Q. I've seen pictures of Dry Falls, and there seems to be plenty of water coming over it. How did it get its name?

A. Dry Falls is so-named, because you can walk (from scenic trails off U. S. 64 near Highlands) behind the waterfall without getting wet.

Q. What and where is "Tarleton's Tea Table"?

A. It is a large boulder on the town square at Lincolnton, North Carolina. The British general, Tarleton, is said to have taken his meals off this boulder during the Revolutionary War.

Q. We would like to hike on the Appalachian Trail in North Carolina. Is it necessary to have a permit, and is there any fee for use of the Trail?

A. The answer to both questions is no. You can obtain useful information from the Appalachian Trail Conference, 1916 Sunderland Place, N. W., Washington, D. C. For 15 cents you can purchase an information bulletin listing various publications pertaining to the Trail. Details and maps on the North Carolina section of the Trail are contained in "A Guide to the Appalachian Trail in North Carolina", Price \$3.75.

Q. How long has the dogwood been North Carolina's State Flower?

A. Since 1941.

Q. When is Arbor Day celebrated in North Carolina?

A. The Friday following the 15th day of March is fixed by State law as Arbor Day.

Q. Which one of the Wright Brothers was aboard the "Kitty Hawk" when it made its first powered flight on December 17, 1903?

A. Orville. The flight, lasting 12 seconds and covering 120 feet, was the first of four flights completed on that date. Wilbur was aboard during the plane's second and fourth trips into the air; Orville made the third as well as the first flight.

### Pfc. Johnson Trains In Germany With 8th Infantry

BAUMHOLDER, GERMANY—Army Pfc. Charles E. Johnson, son of Homer D. Johnson, Route 2, Franklin, N. C., recently participated in a field training exercise with the 8th Infantry Division Artillery in Germany.

Johnson, a switchboard operator in the artillery's Headquarters Battery in Baumholder, entered the Army in May, 1957, and received basic training at Fort Riley, Kan. He arrived in Europe last December.

The 23-year-old soldier is a 1952 graduate of Franklin High School. He was employed by Franklin Frozen Foods in civilian life.

### OLIVE HILL NEWS ITEMS

By MRS. MALCOM DEWEESE

Mrs. Laura Willis and daughter, Edna, of Belmont, recently visited relatives and friends here.

Earle Childers and son recently visited Mr. and Mrs. Algie Guyer and others.

Mr. and Mrs. Clyde Willis and children, of Belmont, recently visited Mr. and Mrs. Bryson Hodgins on Route 2. They also visited Mr. and Mrs. Wymer Dewese on Route 3 before returning to their home.

Mr. and Mrs. Willard DeWeese, whose home burned in January, have moved into their new home.

Wiley Poindexter and family, of Michigan, recently visited his mother, Mrs. Lullie Poindexter.

Mrs. Mary W. Bryson, who has been visiting Mrs. L. C. Ashe for several weeks, has returned to Atlanta.

Mr. and Mrs. Lane Plemmons and children, of Joplin, Mo., have been visiting Mr. and Mrs. Malcom DeWeese.

Mr. and Mrs. Robert D. Burnett, Union Sunday School workers at Olive Hill, left August 11 for New York state to visit Mrs. Burnett's father and other relatives.

### Irrigation Isn't Insurance, It's A Production Tool

(EDITOR'S NOTE: Many Macon farmers are utilizing irrigation systems to carry them through dry periods.)

"Farmers shouldn't let this season's abundant rainfall lure them into a false sense of security," says Jim Netherton, irrigation specialist for the N. C. Agricultural Extension Service.

"The rains may have been sufficient in most locations this year," Mr. Netherton added, "but tests have shown that tobacco can benefit from additional moisture nine out of every 10 years."

Irrigation tests have been conducted at tobacco research stations across North Carolina for the past seven years. And the irrigated tobacco averaged netting slightly over \$200 per acre each year.

Not only did irrigation increase yields and quality, but it resulted in more uniform growth of the plants.

"Irrigation should not be thought of as an insurance to save a crop," Mr. Netherton emphasized, "rather farmers should

consider irrigation as another production tool."

"It is a production tool that will eliminate the greatest single factor contributing to crop failure—the lack of soil moisture."

Water for irrigation is no problem in North Carolina, Mr. Netherton declared. The state is fortunate in this respect.

Most water for irrigation is now being taken from farm ponds. There are about 30,000 of these ponds, averaging three-acre feet of water each.

Other farmers are considering the use of deep wells.

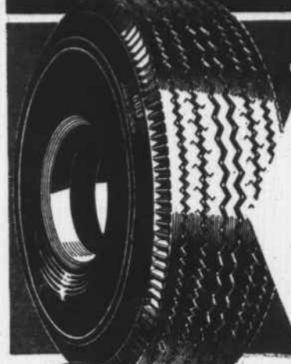
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### SPECIALIST SAYS — Growth Of Broiler Industry Is A Dramatic Development

One of the most dynamic developments in agricultural food production in recent years has been the growth of the commercial broiler industry, according to John W. Hagen, Agricultural Extension Service consumer marketing specialist.

#### Missing Plane Found By Parker Near Robbinsville

A Tri-Pacer airplane missing since August 3 on a flight from Knoxville, Tenn., to Atlanta, Ga., was found Sunday afternoon near Robbinsville by Richard Parker, of Andrews.

During the week, Civil Air Patrol and private search planes made several refueling stops at the local airport as the three-state search (N. C., Georgia, and Tennessee) continued.

Both occupants of the missing plane were dead. They were identified as Paul J. Kennon, of Atlanta, and W. P. Ward, of Griffin, Ga.

With Mr. Parker, who is well-known here, was Carl Rowan, Jr., of Blairsville, Ga., a CAP observer. They were flying Mr. Parker's private plane.

The wrecked plane was spotted by the two in the rugged Joyce Kilmer National Forest, near the Little Santeetlah Creek.

#### Going To Field Day Next Week?

Burley tobacco field days will be held at the Mountain Research Station at Waynesville on August 19 and at the Upper Mountain Research Station at Laurel Springs on August 20.

The programs will begin at 1:30 p.m., and several from here are expected to attend.

Astor Perry, tobacco specialist for the N. C. Agricultural Extension Service, says farmers attending the field days will see experimental work in progress, review production practices, and see demonstrations on many important production practices.

Some of the specific things to be seen are old and new varieties, disease resistance of varieties, advanced breeding lines, quality plants, differences in date of transplanting, topping and suckering tests, and fertilizer rate and date of turning manure demonstrations.

A special feature of the program, Mr. Perry said, will be a display and discussion of fungicides on burley tobacco. Everyone interested in burley tobacco is invited to attend.

The average American used over 400 pounds of paper in 1957.

the southern and eastern sections in the United States which are the largest areas of broiler production, Mr. Hagen says. During 1957 alone, he pointed out, Tar Heels received over \$58 million from broilers produced on North Carolina farms.

What implications does this have for the consumer? One of the first things to note is that the per capita consumption of chicken in the United States has increased more than 800 per cent since 1940.

Per capita consumption, he says, has steadily increased from about two pounds of ready-to-cook broilers in 1940 to 16.7 pounds in 1956. Total consumption of all types of chickens averaged over 24 pounds per person during 1956.

By far the most popular poultry meat available today is the fryer or broiler. These young tender chickens of either sex are usually eight to 11 weeks old. They normally weigh from 1 3/4 to 3 1/2 pounds. At one time the "broiler" chicken was considered a relatively small bird while the "fryer" was somewhat larger. Today, common usage of producer and retailer terms have made the words interchangeable.

According to Mr. Hagen, now is the time to stock up on broilers, since the largest numbers of broilers are normally marketed in the summer with the peak in July. Consumption of broilers is, therefore, greatest in July and August.

So take advantage of plentiful supplies of broilers, serving them in a variety of ways to your family and friends, he suggests.

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