

## Widespread Use Of Genetics In Forestry Seen

The possibility for widespread use of genetics in forestry has only recently been recognized.

During the past seven years progress has been very rapid, so much so that in many instances the demand for practical application of genetics has surpassed the existing body of fundamental knowledge on which sound practices must be based.

A number of research organizations are now engaged in both the basic and applied phases of forest genetics. There is at present a good balance of investigative effort in which the forestry schools, the Federal and State Forest Services, and private industry are all taking a part. The pulp and paper industry, especially in the South, has been a leader in sponsoring research. At present the southern industries are sponsoring programs at the University of Florida, North Carolina State College, and Texas A&M College.

Although progress has been rapid beyond the highest hopes of most researchers, forest genetic investigations are still a long-term, slow undertaking. Some of the most important basic studies to date deal with ways to find short-cuts for speeding up both research and application. Methods to induce early seed production are being worked on. Already some juvenile-mature relationships, especially on wood properties, have been worked out, enabling prediction of the characters of a mature tree from the characters of the young tree or seedling. Wherever such juvenile-mature relationships can be established, the progress of forest genetics is greatly speeded up.

Basic studies on pest resistance, physiology, and growth patterns are now underway. These serve as a basis for all applied research.

For example, real success in determining the genetic control of wood specific gravity cannot be achieved until we understand why a tree stops producing springwood with its thin-walled tracheids and starts producing summerwood with its thicker-walled tracheids. In fact, most of the basic studies now needed, and already underway, are not really forest genetics at all, but they are basic to further progress in this field.

In the South, the greatest applied effort has been directed to improvement of seed source for planting. The initial work has largely centered on the selection of trees to be used in special seed-producing areas called seed orchards.

Seed orchards are established from the best-appearing trees to be found in the forests. These are then tested for their genetic superiority while the orchard grows. As soon as the genetic tests are

completed, the genetically poor individuals are removed from the seed orchard.

Many acres of seed orchards for the southern yellow pines have been established within the past five years. Most of the larger companies have either established, or are establishing, sufficient acreage of seed orchards to supply seeds for all their planting needs in the future. Enough slash and loblolly pine seed orchards have already been established to supply seed for production of about 300 million plantable seedlings annually, and the seed orchard acreage is expanding rapidly, both in industry and state programs.

Trees to be used as seed sources are variously called selected trees, plus trees, super trees, or superior trees. They are the very best available in our present forests.

They may be selected for one or more outstanding characteristics, usually for a combination of several characteristics.

Superiority is judged on the basis of growth rate (both in height and in diameter), limb size, straightness of bole, rapidity of natural pruning, freedom from diseases and insects, and quality of wood.

Such "super" trees are hard to find in the forest, but they do exist.

## Shun Piking Fast Becoming Top Vacation Sport

"Shun piking" is fast becoming a top vacation sport.

"Shun piking" is, as the name implies, the avoiding of heavily traveled main routes and the seeking out of by-roads.

Western North Carolina with its beautiful mountains scenery, its unspoiled forests, pastoral farm areas and its many good rural roads offers an excellent opportunity for those who want to wander through a varying landscape free from heavy traffic.

Fine main roads lead into the area from all directions. Asheville is centrally located and a good "home base." From this city interesting by-ways branch out in all directions.

Possibly the most famous is the beautiful Blue Ridge Parkway. Engineered for pleasant, take-it-easy mountain top driving, this highway connects Shenandoah Valley in Virginia with Asheville, North Carolina.

By 1966 it will be complete from Virginia to the Great Smoky Mountains National Park. Portions West of Asheville are now open to the public, amounting then the 22 miles of Wagon Road Gap. This section includes such wonders as Devils Court House, Looking Glass Rock and Yellow Stone Falls. Another portion will be open for the summer visitor season, that section which connects Soco Gap with the Great Smokies. This road will cut through a heretofore unpenetrated section of the Smokies to open up entirely new vistas.

## Color Important Factor In Redecorating

The proper use of color in a bedroom redecorating project will not only provide an attractive decor, but can change the apparent size and proportions of the room.

A homemaker doesn't require a course in color appreciation to plan a modern and efficient bedroom decor, but an understanding of certain basic principles is essential.

Many professional decorators have used plastic-finished Marlite planks and blocks for bedroom projects because these easy-to-handle panels are available in 10 "companion colors" styled by Raymond Loewy Associates, and they also have a washable plastic surface.

Here are several principles that these interior decorators follow in planning bedroom renovations:

To Make a Small Room Look Larger—Panel all four walls with planks of a receding color, such as blue or green. A feeling of spaciousness is achieved by eliminating strong contrasts.

To Widen a Narrow Room—By paneling the end walls with a warm color, such as pink, and the side wall with predecorated hardboard planks in a cool color, a bedroom will appear more uniform.

This decor is particularly effective in a growing girls' room because it is extremely bright and gay.

To Lengthen a Square Room—By the correct use of color, a perfectly square bedroom can be made to seem longer in one direction. The contrasting wall method also can be used in this case.

Marlite's "companion colors" can be used in several interesting combinations.

To Create Interest in a Large Room—Panel the walls with predecorated hardboard planks in a dark, warm color. An accent wall behind the bed is an easy way to add interest to the room. Marlite 16-inch square blocks in a lighter color or a handsome woodgrain on the accent in a larger bedroom's decor.

To Make a Room Brighter—Drapes and furniture absorb light, and the correct use of color can usually "pep up" a dull bedroom. Light color planks, such as yellow or green, will brighten a dark bedroom. Since light usually strikes the floor first make sure that the rug or floor covering material is also a light color. Plain white planks are also becoming popular in modern arrangements, since bright accessories will supply a colorful contrast.

To Make a Room Darker—Large bedroom with several windows often are over-bright, and too much light can be annoying. In planning a new decor for an over-bright bedroom, choose a darker paneling and floor covering. These will somewhat neutralize the natural brightness.

If a bedroom ceiling is cracked or in need of repair, the 16-inch predecorated hardboard blocks can be installed right over the old surface. The color of the blocks, however, should complement the main color theme used throughout the bedroom.

All of these Marlite-paneled bedroom decors are extremely practical because predecorated hardboard planks and blocks have a washable plastic surface which can be damp-wiped clean with a damp cloth. Housecleaning is cut to the minimum, and redecorating is eliminated because the permanent paneling never requires painting or refinishing.

## Area Serviceman Returns To States

Thomas O. Mull, seaman, USN son of Mrs. Violet Clonts of Route 2, Culberson arrived in Alameda, Calif., March 12, aboard the attack aircraft carrier USS Midway after a tour of duty in the Western Pacific.

Since the beginning of the cruise in August, the Midway took part in the Formosan Patrol and was engaged in operations with the U. S. Seventh Fleet.

Between exercises her crew visited Yokosuka, Yokohama, Tokyo and Hiroshima, Japan, Hong Kong, Okinawa and the Philippines Islands.

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## Plain Janes Need Not Give Up The Ship

Are you a plain Jane? If so, don't let the thought intimidate you if you crave success in the glamor world. It may be to your advantage to be an average girl, says 17-year-old blonde Carol Lynley who is on her way to Hollywood to make her second movie. She explains.

"A beautiful or exquisite face is likely to hamper a person. If she just has ordinary looks, perhaps she will develop in other ways to her advantage. A beautiful girl may take everything for granted, not making the most of her other talents."

The blue eyed teen-age starlet began her career at age 10 when she took dancing lessons and had an opportunity to do some modeling. "But I don't discuss my modeling past" she says, because "I'm going to concentrate on being a great actress."

Typical of the average student of her age, Carol who just was graduated from high school, has the usual complexion and hair problems, but neither have stood in her way to success. That's one reason why she believes you should try the glamor world, even if you don't have the facial attributes of your favorite actress.

"If you could see her in real life without her makeup, you may be surprised that she is not really very glamorous," Carol says.

Very few actresses are discovered she adds. "The entire road to stardom is dotted with hard work."

She believes acting lessons are essential to the success of a would-be actress, and those who saw Carol in the television production of Rapunzel generally agree she brought the fairy tale character to life in a way that proves her statement.

If you are ambitious, don't expect to make your fortune in the theater, she says. "There is much less money in acting than in modeling, and you should be dedicated if you'd succeed."

Carol has a rigorous schedule. She has been in several Broadway shows and more than 20 TV productions, next starring with Ronald Reagan in "Deed of Mercy," but maintains the vitality of her lithe, 105 pounds, 5-ft-5 frame with "lots of sleep and vitamins."

She washes her face with soap and water, and uses a minimum of makeup. She loves to ice skate dance, knit and crochet.

"I am fascinated with cold weather. I don't really begin to perk" says the New York City bred girl, "until the temperature drops to zero."

She is on her way to make "Holiday for Lovers." Her first role in "Light on the Forest" for Walt Disney came as a result of his spotting her picture on the cover of a national magazine.

## FARM QUESTIONS

QUESTION: Where chemicals are used to control weeds in corn should the corn also be cultivated?

ANSWER: One shallow cultivation can be beneficial if the soil has a tendency to pack and become hard. At least this is what was found by some tests conducted at Willard in 1958. The single cultivation allows air and water to enter the soil. Repeated cultivations, however, were found to reduce yields. On loose, soft soils chemical weed control produces good yields with or without cultivation.

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## Soil Conservation News

The Soils Scientist of the Soil Conservation Service spent several days in Cherokee County last week making Land Capability Maps of the farms of a number of Cooperators with the Soil Conservation District. These maps will be used in developing complete soil and water conservation farm plans on these farms.

Several conservation plans were delivered to farmers in the past few days. One was delivered to Edd Foster, on Highway 64. At the time Edd's plan was delivered, his brother Fred, was helping him load some cord wood. When Fred saw Edd's plan, he requested that we get him the necessary maps and help him develop a conservation plan on his farm.

Several farmers have requested our assistance in taking soils samples of some of the fields they are going to plant either in pasture or alfalfa this spring. It is better to take the samples now than not at all, but a sample should have been taken last fall for fields to be planted this spring. It takes lime about six months or more to become available to plants after it is applied. For that reason, lime should be applied well in advance of the seeding date for pasture or alfalfa. Now is the time to take samples for fields you plan to plant this coming fall.

Two or three land owners have recently told me that they had ordered tree seedlings as the result of reading about the need to plant idle land in this column. It is gratifying to know that some results are coming from the information in these columns.

Fred Claridge, the State Forester, has notified the state office of the Soil Conservation Service that there are plenty of white pine seedlings available from the state nurseries. The stocks of loblolly and short leaf pines are getting very low. Orders will be filled on a "first come, first served basis" until stocks are exhausted. Anyone who plans to order trees at this time should be sure that they will be able to plant them immediately upon receipt. The tree planting season is just about over. The first few warm days we have will start tree seedlings to sprouting feeder roots. When these roots start growing before the tree is planted, that tree has very small chance of survival.

The Soil Conservation Service technicians have been called on by a number of farmers for assistance with drainage problems. We can and are glad to help any farmer who has a problem with wet lands.

The County ASC committee voted not to give any farmer financial assistance with drainage for the 1959 program year, but this does not mean that the farmer cannot get technical assistance with his drainage problems from the Soil Conservation Service. If you need our assistance, do not hesitate to call on us.

On May 8th, 1911 the birth of Naval Aviation took place when the Triad, first aircraft of the Navy, was ordered at a cost of \$5,500.

## For COLDS take 666

## GARDEN TIME

By M. E. Gardner

A student came by recently and told me that his mother was interested in buying two or three apple trees suitable for Espalier training. This is an interesting type of training as well as unusual. It consists of doing the necessary pruning so that the tree will grow flat against a wall or on a trellis. The trellis may be constructed of either wire or wood.

For this type of training you will need a dwarf tree. The trees are dwarfed by grafting on a special stock. If you wish to try this method, I suggest that you order varieties grafted on East Malling IX, as this is the most dwarfing root-stock of any of the East Malling selections.

These stocks have been known in France for many years but no attempt had been made to classify them until research was begun at the East Malling Research Station in England. As a result of this work, stocks are now available for apples and pears which range from very dwarfing (E. M. IX) to very vigorous (E. M. I).

While on the subject of dwarfing trees, I might suggest that they are excellent for small properties because they require so little space. They come into bearing early, sometimes the second year after planting, if they grow well the first year.

It is desirable to plant more than one variety to insure pollination and fruit setting. For apples, I would suggest Golden Delicious and Gallia Beauty (similar to Rome Beauty but more color).

If you would like to substitute another variety for Gallia Beauty, they are available and you will still have a fruitful combination because Golden Delicious is both self-fruitful and cross-fruitful. For pears, you can use Duchesse as a good pollinator and select another variety such as Seckel, Bartlett or Clapp's Favorite.

A word of caution—the root system of the dwarf tree is not extensive, so it is desirable to support them with a rigid stake or the first two years until the roots become well established in the soil.

## FARM QUESTIONS

QUESTION: Are there solutions recommended for tomato plants?

ANSWER: A starter solution can cause the plants to begin growing quicker after transplanting. A starter can be made by mixing five pounds of 5-10-10 in 50 gallons of water. Where smaller amounts are needed, dissolve our level table-spoons of fertilizer in each gallon of water.

The Navy Nurse Corp was established in May 1908, making nurses the first women to serve in the Navy.

THURSDAY, MARCH 19, 1959

THE CHEROKEE SCOUT

## FREE WHEELING

By BILL CROWELL

TEST YOURSELF . . . According to a recent survey 34-per cent of the drivers interviewed thought themselves "better than average" drivers.

The test wasn't made in North Carolina, but it's safe to say about the same percentage of Tar Heels probably think of themselves as a little better than average, too.

But to be a good driver means you must know more than how to steer and stop. You must also have a thorough knowledge of state traffic laws.

I'm willing to bet that not many Tar Heel drivers, even those on the road every day, can score 100 per cent on a test of their traffic law knowledge.

Read these questions carefully, check your answers, then consult the end of the column for the correct ones.

1. At night you must dim your headlights when following another car within 100 feet. ( ) True ( ) False
2. In North Carolina it is legal to make a turn against a red light so long as a posted sign permits it. ( ) True ( ) False
3. It is unlawful to pass another car only when a solid yellow line is in your lane of traffic. ( ) True ( ) False
4. You must signal a turn continuously during the last ( ) 25 feet, ( ) 50 feet, ( ) 75 feet before the turn is made. Check one.
5. The designated speed on North Carolina highways, unless otherwise posted is, ( ) 50 mph.

Now check your answers with the correct ones: 1. False, you must dim if you are following within 500 feet. 2. True. 3. False, solid yellow lines do not mark all areas where passing might be unsafe. 4. 50 feet. 5. 55 mph. 6. False, lights must be turned on when a driver cannot see clearly for 500 feet. 7. False. 8. False, even in rural areas you cannot make a reverse turn on or near curves or a hillcrest, or any other place you cannot see the roadway for at least 500 feet in either direction. 9. True. 10. False, you cannot use parking lights at any time visibility is limited.

If you answered all 10 questions correctly, rate your knowledge of state traffic laws excellent; 7-10, very good; 5-6 good; below five, fair.

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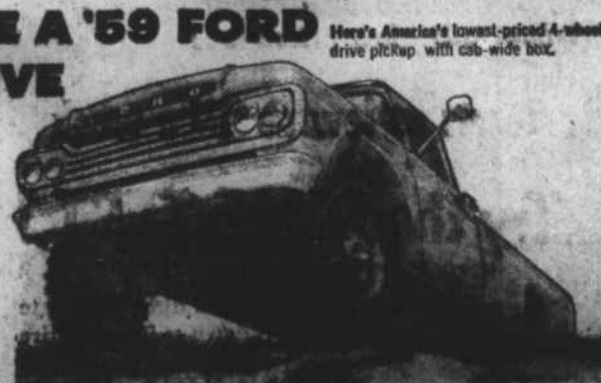
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