

Flying Demands Improvement

The medical scientists also are of the opinion that better parachutes must be developed. Pilots still complain about the terrific jolt they receive upon landing. It is because the rate of descent still is too rapid. Some development has been made to slow down the descent, but not to prevent day parachutes are still in the "horse-and-buggy" days of aviation. With jet engines here and more to come, better development in parachutes will have to be made, the scientists say. The answers can be found, they believe.

JET PILOT PHYSICAL EXAMS TO BE TOUGHER IN FUTURE

The aviation medical examiners believe that the physical requirements for a jet pilot that can travel 500 or more miles an hour will be tougher than those prescribed for the conventional type plane.

The standard of examination, however, has not been determined and the Navy and Air Forces are now working in a cooperative project to see what can be done.

It is agreed that means must be found to determine in advance whether an applicant can learn to fly and then to determine whether he can operate a jet, and finally whether he can operate in combat.

Even though the physical standards will be higher, the aviation medicine experts believe that the pool of young Americans will be large enough to furnish the country with as many jet pilots as are needed.

Bees Don't Puncture Skins Of Fruit

Question: Do honey bees puncture the skin of grapes, peaches, and other fruit?

Answer: The answer is no, according to W. A. Stephen, extension beekeeper at State College. Stephen says the death of the mouth part of bees makes it impossible for them to do this. They will suck the juice of fruits but only after the fruit skin has already been injured in some way. Normally bees will not even bother with this juice at all if nectar is available, but often during the time when fruits are ripening there are very few flowers in bloom on which the bees can work. For experimental purposes, bees have been placed in cages with healthy fruit. In every such case, they were unable to get any juice from the whole fruit and as a result died of starvation.



after the GAME

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Moisture Said To Influence Corn Yields

Since much of the State's corn was blown down in recent storm, many farmers entered in the State corn contest will need to harvest their crop early or obtain an early estimate of the yield, according to Dr. E. R. Collins, in charge of agronomy extension at State College.

In general corn is still too wet for accurate estimates of yields to be made, Dr. Collins says. However, he adds yield estimates can be made early provided a moisture determination is made on the samples weighed.

When a local moisture tester is not available, the grower may obtain a free moisture test by sending at least one pint of shelled corn in a sealed container, to Dr. Paul H. Harvey, State College Station, Raleigh.

Acres entered in the State contest can be harvested early provided one of the following methods is used.

1. Dry all the corn in a commercial dryer before weighing and determine the shelling percentage and moisture. The corn should be shelled in the dryer by the county contest committee, and weighed by the committee after it is dry.

2. Weigh the corn wet. Dry 100 or more pounds to a reasonable moisture content before determining the shelling percentage and moisture. This will give a factor for correcting to shelled corn with 15.5 per cent moisture.

Dr. Collins says all high yields submitted in the State contest must be harvested and certified by a county committee composed of representatives of agricultural agencies and businessmen, with an out-of-county chairman. The acreage must be measured by a county surveyor or a licensed surveyor.

Question: What crop rotation is best to reduce root knot in tobacco?

Answer: H. R. Garris, extension plant pathologist at State College, says that crops resistant to root knot and suitable in rotations to reduce the incidence of the disease include oats, rye, wheat, crataegia, and peanuts, red top grass, and many native weeds. Cotton or corn can be used in a three-year rotation provided these crops do not immediately precede tobacco. Following are some sample three-year rotations which have given good root knot control in tobacco: oats and weeds, oats and weeds, tobacco; cotton, peanuts, tobacco; red top, red top, tobacco; crataegia, oats and weeds, tobacco. Small grain winter cover crops, especially oats and rye, give good results.

If three-year rotations cannot be conveniently followed, Garris advises using resistant crops in a two-year rotation, always using a winter crop of small grain.

Don't expect full benefits in highly infested fields with one completed rotation, he adds. Continue rotations indefinitely to aid in keeping down all diseases.

More than 50,000 soil samples will be tested this year for the farmers of North Carolina.

FRANCO IS HOST TO KING ABDULLAH



RULER OF TRANSJORDAN, King Abdullah walks beside Generalissimo Franco of Spain, as they review the honor guard turned out for the Hashemite king's arrival in Coruna. Abdullah is the first chief of state to visit Franco since the latter took power in Spain. (International)

Bogart Boy Faces Tough Living

HOLLYWOOD UP: Mr. Humphrey Bogart is looking forward to a tough life for her young son. All the other kids will be picking fights with him to see if he is as tough as his old man.

"I hope he does turn out to be rugged," Lauren Bacall said. "It'll be easier for him if he is. And anyway, I don't want a punky son for a son."

Being the son of two movie stars has many advantages. But Mrs. Bacall thinks it has even more handicaps. It's true that young Stephen will have a swimming pool, horses, trips to Europe and a well-filled stomach.

"Other children will expect a lot more of Stephen," she said. "The teachers will, too. And they're likely to take the attitude that it's up to them to prove that he's no better than anybody else."

"Well, that's all right with me. But I'm afraid it's going to be hard on him."

Still In Diapers. Nobody will be picking fights with the young Bogart for a few years. He's still in diapers, now. But Mrs. Bacall thinks you can't start too soon raising a child in a normal way.

"I want my child to be a tough like other children as he can be," she said. "I hope we can send him to a public school as Stephen H. Bogart and not as the son of Humphrey Bogart and Lauren Bacall."

She isn't even eager for him to play with the children of the producers and other actors she meets at Warners where she is starring in "Young Man With a Horn."

"I don't want him to get any more."

ALL THIS AND WINGS, TOO

MISPLACED: Much A.P. The new chickens with no wings and no legs are picked, compared to a chick owned by Mrs. W. O. Perry. It has two horns, drumstick, and wings, too.

Hollywood idea," he said.

"If I ever hear my son say, 'My dad has two Cadillac's and yours for only one,' I'll spank his pants off."

Theater Nearing Completion For Cherokee Drama

Work is proceeding smoothly on the new Mountside Amphitheater at Qualla School on the Cherokee Reservation.

When it's finished, it will provide seats for 2,500 spectators at the Cherokee Historical pageant which is scheduled for its first performance July 1, 1950.

The Cherokee Historical Association and the Western North Carolina Associated Communities are

sponsoring the drama which will tell the story the Cherokees played in the development of the Western part of the state and the story of the Indians themselves.

The 1949 General Assembly made the pageant possible with the appropriation of \$35,000.

This money will help pay for producing the pageant itself. The expenses for building the theater and stage are being paid from other sources.

Paul Green's highly successful "The Lost Colony," the symphonic drama which has just completed its ninth season at Manteo, will provide the general model for the

Indian pageant.

Kermit Hunter is the author of the Cherokee drama, and Harry Davis, of the University of North Carolina Playmakers, will direct the production. Both are colleagues of Sam Seldon, head of the University's drama department and director of the Manteo pageant.

Davis will take active charge of the production early next spring.

The number of chicks produced by North Carolina commercial hatcheries in July was 33 per cent more than the total produced during July, 1948.

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THE ALLEN is basementless, with the floor slab, easily adaptable to linoleum or other composition flooring, laid directly on a gravel fill. The heating plant and laundry equipment are in a utility room which replaces a basement. Plumbing, for the bathroom, and laundry equipment is in the same

wall. Location of the fireplace makes the same chimney available for the heating unit.

Storage space is liberally allowed for in The Allen. Wardrobes are provided for in each of the three bedrooms, and closets are planned for the front entrance and utility room. A general closet and linen cabinet are in the bedroom hall.

The exterior walls are shown to be of frame with wide siding. But, concrete blocks can be used as a substitute. The roof is covered with asphalt shingles.

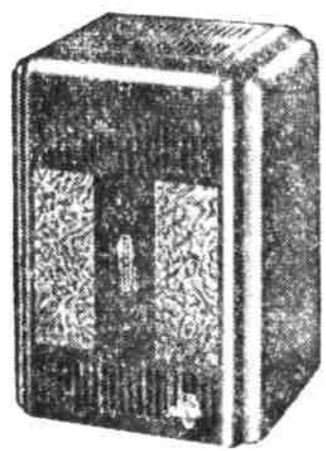
The kitchen of The Allen is modern with cabinets and equipment arranged in a U-shape. The sink is under the window and the refrigerator and range are completely built into the cabinets.

Dimensions of The Allen are 38 feet by 27 feet with an area of 1,110 square feet and a volume of 13,320 square feet.

For further information about THE ALLEN, write to Small House Planning Bureau, St. Cloud, Minn.

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