

# Demonstrate 4-H Know How!



## Teens Participate In Demonstration

More than three million pre-teens and teenagers have taken part in the world's biggest youth demonstration right here in the United States. There were no protests, no violence and no arrests. What's more, the demonstrations were approved by parents, teachers, government officials and businessmen.

These young participants are the nation's 4-H members who annually demonstrate what they have learned in 4-H. And they learn plenty, according to the Cooperative Extension Service which directs 4-H activities in 95,000 clubs supervised by 500,000 volunteer adult and junior leaders.

Demonstrations were given on how to operate automobiles and tractors safely; bake a loaf of bread or can a jar of peaches; make a dress and model it; catch, identify and display insects; take a picture; give a speech; judge crops and show livestock; ride and show horses or train dogs.

The list could go on and on because there are dozens of categories wherein the 4-Hers "learn-by-doing" with the guidance of competent project leaders. Part of the learning process is to demonstrate to others correct methods and procedures.

Demonstrations are given before local groups, at 4-H meetings, at county and state fairs and other events to show com-

petence of the individual in his special field.

In recognition of perseverance and progress, scores of business firms have for many years presented annual incentive awards to 4-H members. Awards are usually presented in late summer or in the fall when projects have been completed. They range from county medals to national scholarships.

With the current 4-H year drawing to a close, members are planning their 1970 programs. Some will continue their present activities with the hope of expanding them. Others will try something new.

The range of programs is wide to accommodate boys and girls as young as 9 and as old as 19 years. Home economics, agriculture, health, safety, electric, mechanics, science, conservation and management are among the principal categories.

Any boy or girl can participate in 4-H according to the Cooperative Extension Service. Contact should be made with a local 4-H Club leader or the county extension office.

### ARMY STARTS INQUIRY

An investigation into whether American soldiers murdered a large number of Vietnamese civilians in an operation in March, 1968, was begun by the Army after it received a letter from a former serviceman who made the charges.

## Chance Of Destructive Earthquake In This Area Is Called Remote

CHAPEL HILL—North Carolinians worried about major earthquakes can forget it. The chances of a destructive, widespread earthquake in the Tar Heel state appear to be very, very remote, according to University of North Carolina geologist Joel Watkins. He made the observation following the minor earthquake which was centered in the mountains of Southwest Virginia.

Dr. Watkins noted that there are two earthquake zones that can affect North Carolina, one running along the Southern Appalachian Mountains and the other centering around Charleston, S. C.

Damages due to earthquakes in the Southeastern Appalachians have been slight in historical times, he said. The Charleston earthquake of 1886 caused major damage in South Carolina and minor, widespread damage in North Carolina.

Dr. Watkins also said long-

term predictions of earthquakes are impossible.

"Predictions of this type are not feasible," he explained. "Accurate forecasting of quakes and tremors, even a few days in advance, is not yet possible, and certainly not a year or several months in advance."

An earthquake is generally caused by slippage of rocks along zones of weaknesses, faults, resulting in vibration of the surface of the ground. "But we just do not understand what the initial forces or circum-

stances are, and therefore we cannot say when the breaking and sliding of rocks will happen," Dr. Watkins said.

There are possibilities, however, for very short term predictions.

A Japanese scientist measured an anomalous change in strain at the surface of the earth prior to a quake, Dr. Watkins said. In another case, a change in the magnetic field near a fault was noticed by a California scientist two hours before a tremor occurred.

"These short term notices would suffice to warn people to switch off gas or electricity, and leave unstable buildings," Dr. Watkins says. "The damage caused by earthquakes has often been due to fire blasts or collapsing of poor housing."

"The earth itself may not show many 'scars' after a quake. Man-made structures are much more affected. Only sometimes land slides and mud flows occur or parts of a coast line are lifted," he said.

Seismic sea waves, particularly destructive to settlements along seacoasts, can be anticipated more easily because they follow an earthquake.

The Wednesday night earthquake was recorded on the UNC seismograph in Mitchell Hall for about five minutes. The period of actual quaking apparent to residents here was a little more than 30 seconds.

## Enrollment In State Colleges, Universities Reaches 132,135

North Carolina's college and university student enrollment this fall reached a total of 132,135, according to Cameron West, Director of Higher Education, State Board of Higher Education. The figure includes full-time and part-time students enrolled in both public and private colleges and universities. It does not cover extension, adult education and non-credit enrollment and community college technical and vocational enrollment.

The fall 1969 enrollment represents an increase of 5,296 students or 4.2 percent over the fall 1968 enrollment of 126,839. This 1969 increase is lower than the 1968 increase of 5.2 percent.

However at Appalachian State University the increase in enrollment this year was 12% from 5,589 in the fall of 1968 to 6,232 in the fall of 1969.

While enrollment in the public institutions increased 6.8 percent, the enrollment in private institutions decreased 0.1 percent. As a result, 64 percent of the total number of college students are now enrolled in the public institutions, an increase from 62 percent in 1968.

Community colleges enrolled 8,543 students in their college parallel program, a 19.1 percent increase. Private junior colleges enrolled 7,589 students.

Although the total enrollment of students at all colleges increased, the enrollment at some

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## Who Knows

1. What is the height on the Statue of Liberty?
2. How old is Prince Charles of England?
3. What is his full name not including any title?
4. What is the meaning of the feminine name, "Elizabeth"?
5. What composer was tortured by a musical note sounding continuously in his ear?
6. Where is the "Traitor's Gate" located?
7. What federal body has the sole power to try impeachment?
8. Who was often called the "Copernicus of the 20th Century"?

### ANSWERS TO WHO KNOWS

1. Height from base to torch, 151 feet, 1 inch.
2. He was 21 on November 14th.
3. George Philip Arthur George Windsor.
4. Worshipper of God; consecrated to God.
5. Robert Schumann.
6. It is the water-gate entrance to the tower of London.
7. The Senate.
8. Albert Einstein.

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