



ROARING UNCONTROLLED down mountainside at Maltrata, Mexico, seven-car passenger train leaps rails, crashes through railroad station with loss of at least 40 lives, injuries to 80. Pullman sleeper (right) and unoccupied dining car were only units of train remaining upright after wild dash down 30 per cent grade. (UPI Telephoto)

Summer Training Program for Junior Engineers Started at OSC

Corvallis — A "Junior Engineers and Scientists" summer training program that was started in Oregon two years before Sputniks focused attention on America's critical need for scientists is now setting a pattern across the nation as a means of encouraging promising young people to prepare for technical careers.

The Junior Engineers and Scientists Summer Institute was launched at Oregon State college in 1956 with 129 boys and one girl.

This summer, the June 15 to 28 program at OSC has 225 boys participating and a program for 40 girls has been started at Linfield college. Similar programs are also being held in Montana, Utah, South Carolina, Kansas, New Mexico, and North Dakota.

In all cases, boys and girls are drawn from adjoining states so that some 23 states are represented this year in JESSI. Boys at OSC, for example, are from Oregon, Washington, California, Montana, Idaho and Nevada. Next year it is hoped that three or four additional states will host JESSI programs of their own.

Sponsor of the program, in cooperation with the various colleges, is Scientists of Tomorrow, a non-profit Portland corporation formed in 1955 to promote interest in science. Stanley Shirk is director. At Oregon State college, F. A. Gilfillan, dean of science, and George Gleason, dean of en-

gineering, are in charge of planning the course of study. The study program is essentially a two-week "college short course" that covers all fields of engineering, mathematics, physics, chemistry, zoology, geology, bacteriology, botany, and modern languages. OSC professors are instructors and boys are divided into small class groups to permit individual discussion and instruction.

High Scholarship To qualify for the program, students must demonstrate high scholarship in science fields and must have the recommendation of their high school principals.

Sophomores and juniors are given priority so that they will have some time left in high school to take the basic courses — mathematics, science, languages — that will equip them for college years to come.

Students spend six hours a day in classes, with two hours set aside for library reference work, visits to college research laboratories, and for conferences with teachers. Evening sessions include talks by regional industrial and scientific leaders, followed by question-and-answer periods.

Final Examination A final examination is given the last day of the conference to let students check themselves on subject matter and to let program leaders chart development of the students and evaluate their teaching.

Scores during the past two years have been "outstanding-

ly good," according to Dean Gilfillan, with some of them measuring up to college sophomore levels of performance. Fee for the two-week program varies from \$100 to \$125. Some financial aid, donated by industry, is available to students who would not be able to attend otherwise.

Study of Plankton Planned by State

Salem — The state board of health this week announced plans for an extensive survey of Oregon coastal areas during next week's minus tides because of a possible off-shore invasion of a tiny plankton which occasionally makes uncleaned clams dangerous for human or animal consumption.

Thomas Blair, state health department supervisory sanitarian, said the state fish commission plans to submit samples of shellfish from Oregon coastal waters for laboratory examination during the next few days, and state board of health sanitarians will follow the minus tides down the coast for on-the-spot checks all next week.

No marine mussels should be eaten "under any conditions" during this time of the year, Blair warned. Clams can be made safe for consumption by removing all dark portions which contain the toxin. These dark portions should be destroyed completely and never be fed to domestic pets or fowl.

The seafood sometimes develop the strychnine-like toxin after feeding on a plankton called G. cantanella, source of the so-called "red tide".

Reputable commercial packers are aware of the danger and do not allow any of the poisonous segments of the clams to enter the open market, Blair said.

Louisiana Rids Lakes of 'Trash'

New Orleans — (UPI) — The Louisiana Wildlife and Fisheries Commission is engaged in "selective poisoning" to rid lakes and streams of "trash" fish and make room for more game fish for anglers.

The poison used is called rotenone, and when it was applied to a bayou near Monroe, La., more than 52 tons of shad, or trash fish, were removed from the bayou.

The shad were buried in the city dump to be used as fertilizer in city park gardens next year.

Limit catches of bass, bream and crappie have been reported at the bayou since.

A state biologist explained that a body of water, like a piece of land, can produce only a given amount. If a lake is capable of producing 100 pounds of fish, these fish could be all game fish or 50 per cent game and 50 per cent trash fish.

Several lakes in Louisiana were found to be out of balance, and the poisoning program began to rid the lakes of the trash.

The poisoning is carefully controlled by the commission. Private ponds may be treated only after state biologists have checked the ponds. After the dead trash fish are removed, the pond is restocked with game from state fish hatcheries.

Court Records

MUNICIPAL COURT
Gary George Stevens, violation basic rule, \$10.
Richard Edwin Adkin, disobeyed traffic signal, \$5.
Marie Docia Keith, disobeyed traffic sign, \$5.
John Lawrence Connolly, racing with an other vehicle, \$25.
Clair Peter Gliberson, failed to stop for red blinking light, \$5.
Clifton Gale Beydler, violation basic rule, \$10.
Donald Wayne Greaves, violation basic rule, \$10.
Lee Lincoln Thrapp, disobeyed traffic sign, \$5.
James Allen Smith, improper passing, \$10.
Lewis LaWayne Dimock, disobeyed traffic signal, \$5.
Mamie Tate Brown, disobeyed traffic sign, \$5.

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