

## Shell Announces Teacher Training Plan in Science

To help offset the dangerous outlook in science teaching at the secondary level, a basic cause for our critical shortage of graduate scientists, Shell Chemicals, Inc. has announced a broad program of recognition fellowships for high school teachers of science and mathematics.

Through the program, worked out with the cooperation of the leading educational associations, Shell will underwrite summer seminars at Stanford and Cornell Universities for 80 teachers yearly. The fellowship recipients, chosen on the basis of merit and demonstrated leadership qualities, will receive travel allowances, all tuition and fees, living expenses on the university campus and \$300 in cash to make up for the loss of potential summer earnings.

Basically, according to Martin Voogd, manager, Torrance Rubber Plant, Shell Chemical Corp., the program seeks to inspire those science teachers who in turn, can best inspire the scientists and science teachers of tomorrow.

**To Offset Decline**

Voogd explained that the program, to be known as the Shell Merit Fellowship for high school science and mathematics teachers, was developed following studies that showed a rapid decline in the number of college graduates entering the field of science teaching.

Last year, according to surveys, American colleges turned

out 57 per cent fewer high school science teachers and 51 per cent fewer mathematics teachers than in 1950. Because of this acute science teacher shortage, Mr. Voogd added, more than half the high schools

in the country now have no classes in physics or chemistry. Since 1950, the percentage of students studying algebra in the high schools has fallen from 56 per cent to 24 per cent; geometry students have dropped from 27 per cent to 11 per cent. Today, only 4.3 per cent study physics, as against 19 per cent some 35 years ago.

**Seeks Public Attention**

Voogd said there is no lack of young people with the intelligence to master college courses in science and mathematics,

but not enough seem willing to make the effort. Shell hopes to stimulate greater interest in the neglected fields. "We hope the Merit Fellowships will assist in focusing public attention on this critical shortage of science teachers and also induce others to do something similar," he added.

Stanford and Cornell were selected by Shell because of their outstanding science and education departments and their active role in trying to remedy the acute shortage of

high school science and mathematics teachers. Broader than any previous program advanced for science teachers, the fellowships are particularly designed for the able, experienced teachers who ordinarily might seek remunerative summer employment outside the school system. The intensive seminar programs will include graduate-level classes, lectures by outstanding scientists and visits to modern industrial installations and research laboratories.

Mathematics, physics or chemistry teachers with five years experience and known leadership ability will be eligible for the fellowships. Thirty teachers from west of the Mississippi River will attend the eight-week Stanford program which will be administered by the School of Education. Thirty from east of the Mississippi will be invited to a similar six-week series of courses at Cornell.

In addition to teachers, also eligible are present heads of departments or supervisors

with good background in mathematics, chemistry or physics who previously were teachers. Mr. Voogd explained that Shell is seeking to spread the recognition program as widely as possible among the nation's secondary schools. Final selection of the 60 teachers will be the full responsibility of Stanford and Cornell.

In developing the plan, Shell consulted representatives of the American Association for the Advancement of Science, the National Association of Secondary

School Principals, the National Science Teachers Association, the National Research Council, the Joint Council on Economic Education, and the National Council of Teachers of Mathematics.

The fellowships are in addition to the Shell Company Foundation's present \$350,000 aid-to-education program which includes 50 graduate fellowships and 20 grants in funds, mental research in science and engineering at 41 colleges and universities.

## Downing, O' Cain Make Honor Roll

Two Torrance students attending University of California's Santa Barbara College have been named on the Dean's List of high scholastic achievement for the spring semester completed in June. It was announced by the college this week.

Named among the 77 students on the list were C. Jerry Downing, 17088 Glenburn Ave., a physical education senior, and Jack O' Cain, 1780 Date Ave., a physical education junior.

To be listed on the honor roll, it is necessary to earn a B-plus average or better. In computing grade points, three points are given for an A, two for a B, one for a C, and none for grades below C. An average of 2.50 is necessary to achieve this scholastic recognition.

Downing was included on the list with a grade point average of 2.933 and O' Cain compiled an average of 2.885.

Both men attended Torrance High School and were active in all sports at the school.

## Auction Set At Station

Unclaimed articles accumulated at the Torrance Police Station will be auctioned off Saturday, Nov. 5, at 1:30 p.m. in front of the station, 3513 Cravens Ave. Chief Willard H. Haslam announced Friday.

A number of unclaimed bicycles, as well as other articles, will be sold to highest bidder at that time. Articles will not be received, Chief Haslam said.

Persons who have lost articles during the past year may call at the station and claim the goods, if they can identify same, he said. Calls should be made between 8 a.m. and 4:30 p.m. Monday through Friday.

## Six Narbonne Windows Broken by Pellet Gun

Six windows were broken in Narbonne High School with a pellet gun Sunday, causing damage estimated at \$78, officials told sheriff's deputies. Broken were three 60 by 18 inch wire-impregnated windows and three 9 by 18 inch double-paned windows.

Also reported Sunday was the theft of 25 pounds of pop-pop powder and an empty 50 pound can from a popcorn stand near the high school. There was a pitchfork to break the lock.

## Assailant Attacks Parking Lot Guard

An unidentified man crawled over a parking lot fence and beat him up, Sgt. S. Boudreau, 47, a 3rd guard at the Paradise Hotel, 26311 Pennsylvania Ave., told sheriff's deputies Monday.

The man beat him almost unconscious, inflicting numerous cuts and bruises on him, Boudreau said. The man, about 30 years old, was in a car, accompanied by two companions, witnesses said.

## Harbor City Navyman Due Home This Month

James E. Malley, chief boiler man aboard the USS Oribute, is scheduled to return to Long Beach late this month when the Destroyer Division 182 returns from the Far East. Malley's residence is at 2847 1/2 W. Anaheim, Harbor City.



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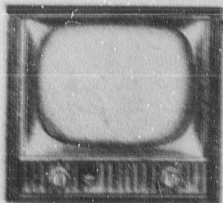
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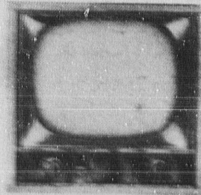
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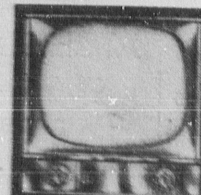


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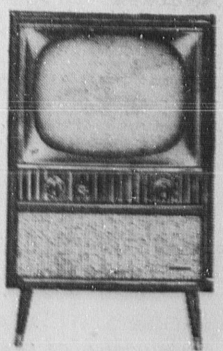
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