

### County Allocates \$3000 for Street Projects in Lomita

Allocation of \$2950 for extending the pavement on the west side of Walnut St. and the north side of 240th St. at their intersection to join existing curbs was ap-

proved this week by County Supervisor Burton W. Chace. Similar improvements will be made on the east side of Eshelman Ave. and the south side of 253rd St. at their intersection.

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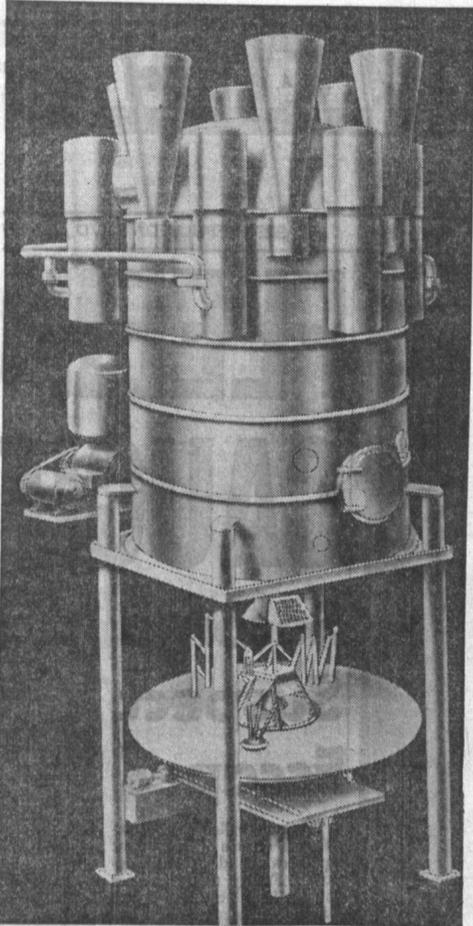
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**SIMULATION CHAMBER** — This 50-foot high space simulation chamber will be built by Clauser Technology Corporation, Torrance, for Hughes Aircraft Corp., Culver City, under a \$1 million contract. It is designed for testing satellites and space vehicles in an environment simulating outer space.

### Pinch-Hitting Student Leads SH Band to Victory

South High School's Spartan Band has earned high honors and rating at the southern California District band competitions held re-



LEE LARSEN  
... Pinch Hitter

cently at Inglewood. The 90-piece organization, led by a 17-year-old student pinch-hitting for director Glenn Hawley, won the plaudits of judges, music directors, students and parents attending the festival.

Spartan Band director, Glenn Hawley, was called to Rhode Island to be with his ailing mother, two days prior to the competitions for which the Spartan Band had been readied. Many bands from the South Bay attend this event each year, playing difficult music under the watchful eyes of three university adjudicators. Each band is then rated for their performance, interpretation, technique, deportment, etc.

South High School Band Captain, Lee Larsen (also senior class president), learning that a band with no director would be immediately cancelled, took over during the few remaining hours, and led the organization to an excellent-plus victory, to the great surprise and admiration of everyone in attendance.

Final rating from the three adjudicators — Superior, Excellent-Plus, and Excellent. This high rating allows this band to be eligible for Regional band competitions at Anaheim next month.

The chamber design provides the potential for testing more advanced interplanetary vehicles.

Dr. Clauser stated that Hughes chamber represents an expansion of Clauser's activities in the field of space simulation systems. He pointed out that it complements other advanced research into vacuum pumping techniques being done by the company. In addition, a proprietary line of smaller space simulation chambers has been developed and built by Clauser.

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### Torrance Firm Receives Bid for Space Chamber

A contract totalling more than \$1 million for the design, fabrication and installation of a large space simulation chamber has been received by Clauser Technology Corp. here, it was announced today by Milton U. Clauser, president.

The contract was awarded by Hughes Aircraft Co., Culver City, for use in testing advanced satellites and spacecraft. The chamber will

simulate the conditions which will be encountered in space, including temperature, pressure and solar radiations. It will be installed in a new space test facility being built by Hughes in El Segundo.

Measuring almost 50 feet in overall height, the chamber has as its main unit a 28-foot tank 15 feet in diameter. This system will be fabricated so that it can reach a vacuum of 10-6 Torr., with design features to permit extension to an ultimate vacuum of 10-8 Torr. (the equivalent of the vacuum which would be encountered 300 miles in space) by the addition of cryogenic pumping.

To simulate a lunar environment the chamber will be equipped with a liquid nitrogen system and a fluid heating system capable of operating over a temperature range from -320 deg. F to 275 deg. F. In addition, it will incorporate solar simulator to be supplied by Spectrolab, of North Hollywood, which will simulate the solar spectrum.

In operation, the space vehicle being tested is loaded onto the lower end bell of the chamber, which is then raised by means of a hydraulic lift. Although designed primarily for lunar vehicles, Dr. Clauser said that

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VOTE FOR **FRED STEINBRONER** CITY COUNCIL TORRANCE, APRIL 10



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### A Message to the Voters Who Consider Candidates' Qualifications



**ROSS SCIARROTTA**  
EDUCATOR AND CIVIC LEADER

"I respectfully submit my qualifications for your consideration as a candidate for City Council"

1. College graduate with majors in Political Science and U.S. History and Chemistry.
2. Professor of Political Science and World Affairs at Long Beach City College.
3. Served 8 years as member of the Torrance Civil Service Commission. And also chairman of the board.
4. Member of the committee which served to organize and promote our new Civic Center.
5. Chief chemist during World War II for the Trojan Powder Co., Sandusky, Ohio.
6. General manager of Walter Grabski Company, automobile distributor, Cleveland, Ohio.
7. Treasurer of Long Beach Teachers Credit Union (one of the largest in the U. S.).
8. Tour director and professor for Long Beach State College. Responsible for the training of teachers in the field of American Political Institutions.
9. 25 years experience in the aims and functions of government.
10. World traveler and lecturer.

ABOVE ARE 10 REASONS FOR WHICH YOU CAN Be Sure with **Sciarrotta** for CITY COUNCIL APRIL 10