

# Families See Where Dad Works

## Worlds of Home, Work Become One at Hi-Shear

In modern life today, the husband and father of the family leaves home in the morning to disappear into another world—a world that often is very unfamiliar to the other members of his family.

The worlds of work and home were brought together last Saturday for just about a thousand members of families of the employees of Hi-Shear Corp., 2600 W. 247th St., Torrance, in the company's annual Family Day.

Inside the doors of the plant, amidst the clamoring machines, the excitement of American business unfolded for wives, children, mothers, sisters and brothers of those who work for Hi-Shear.

What they saw was a company which has grown in 19 years from an idea for a new kind of rivet that blossomed in the mind of George S. Wing, president of Hi-Shear.

Up to that time, the rivets used in aircraft were made of aluminum. Wing's rivet brought the strength of steel to aircraft, teamed with ease of installation that is found in aluminum.

The rivet is made of steel, an aluminum collar is squeezed over and into a channel at the tip to complete the fastening operation.

Once known as Hi-Shear Rivet Company, the name was changed to reflect the tremendous diversification of the company's products which took place over the years.

Now, Hi-Shear's products include not only fasteners, such as rivets and bolts, but more sophisticated fasteners, such as explosive separation devices for missiles, plus such widely diversified products such as an infra-red furnace, a light, two engine passenger plane, and crop-dusting equipment for planes.

The families of the employees saw displays of these products, and saw them actually being made.

For instance, the infra-red furnace puts out "instant heat," and might be called a "warmer."

"Like a food warmer?" was the question one person asked.

"Yes," replied John T. Hales, Hi-Shear advertising manager. "And 'people-warmers.'"

He told of one application for Hi-Shear's Lux-Therm furnace that is quite practical, if a bit unusual.

It seems that in such cold and frigid climates as the "windy city" of Chicago, department stores don't get much exposure to their displays as people rush by, hastened by the cold.

The stores have helped to solve this problem by installing Hi-Shear's furnace to warm people so they linger to window shop. The more they look, the more they want, the more they want, the more they buy.

Thus, Hi-Shear's "people-warmers" fill a need to the

department stores in the cold, cold climes.

Another fascinating development is the explosive separation device, often called a "nut." When a missile is mounted on its launching pad, it must be firmly secured so that it won't topple over, or soar off into the sky before it is supposed to.

To do this, and yet free the powerful missiles at the proper time, a separation nut was developed.

It holds the missile secure until the correct instant for release.

The explosive in the separation device is detonated, and frees the missile to mount into the heavens.

The idea also is used to secure and to separate the various stages of a missile in its flight into the vastness of outer space.

The explosive principle is used to push things, pull things, and some need to be twirled into motion. All can be done through the principle of explosion.

An indication of the changes that have been wrought in the knowledge of developing and handling more sophisticated materials is given in one of Hi-Shear's displays.

Ten years ago, the company was working with alloy steels in heats up to 450 degrees and tensile strengths of from 160,000 to 180,000 pounds per square inch.

Today, a short ten years later, the company is working with metals in heats up to 4000 degrees and tensile strengths up to 300,000 psi.

It is in areas of progress in Torrance such as these that creates the breath-taking excitement taking place in American business today.

Excitement that's reflected in an idea for a rivet in the mind of George S. Wing growing into such a diversified line of products offered and manufactured right here in Torrance today.

The families of those who



**DADDY'S WORK** is fascinating. Last Saturday, many children were as thrilled as Little Kenny Zittenfeld, of 918 E. Joel, Torrance, to visit Hi-Shear Corp. and see where Daddy works. With Kenny are his father and mother, Richard and Harriet Zittenfeld. Richard is a technical illustrator for Hi-Shear. The work that Kenny is looking over is a brochure that dad illustrated to explain the "instant heat" given by Hi-Shear's Lux-Therm, an infra-red furnace. —PRESS photo

make Hi-Shear hum got a glimpse into that excitement day at 2600 W. 247th St., when the worlds of work and home became one for a day at Torrance.

### Knight Named By Broadway

Gilbert Knight has been appointed assistant store manager of the Broadway Del Amo and succeeds George Paquette who is to manage the Broadway-Hale store in the San Diego area. Knight has been with the Broadway-Hale stores for 20 years, exclusive of the years he spent in the U.S. army

Use Torrance Press classified ads. Phone DA 5-1515.

### Lutheran Day School Semester Begins Jan. 28; Enrolls Students

Pastor William J. Roleder, first Lutheran Church of Torrance, announces that applications now are being accepted for the spring semester of the Christian Day School Program, which begins Monday, Jan. 28.

The school offers a period of Christian education as part of the regular curriculum. The program includes instruction of children from kindergarten to grade seven. Bus transportation is provided to and from school.

Spanish is taught in kindergarten, first and second grades. Plans are being made to continue Spanish through grade seven, starting in February.

A brochure is available covering the program and tuition fees and can be obtained by calling 320-4181, or by visiting the church at Carson and Flower Sts., Torrance.

Dr. Berke to Attend Dental Alumni Meeting  
Dr. Arthur Berke, of Torrance, is expecting to attend the 67th annual scientific meeting of the University of California Dental Alumni Assn. at the St. Francis Hotel in San Francisco, next Sunday and Monday.

### RESEARCH

Research has No. 1 Priority in the Los Angeles County Heart Assn's fight against the heart and blood vessel

disorders that cause 55 percent of all deaths each year in the county.

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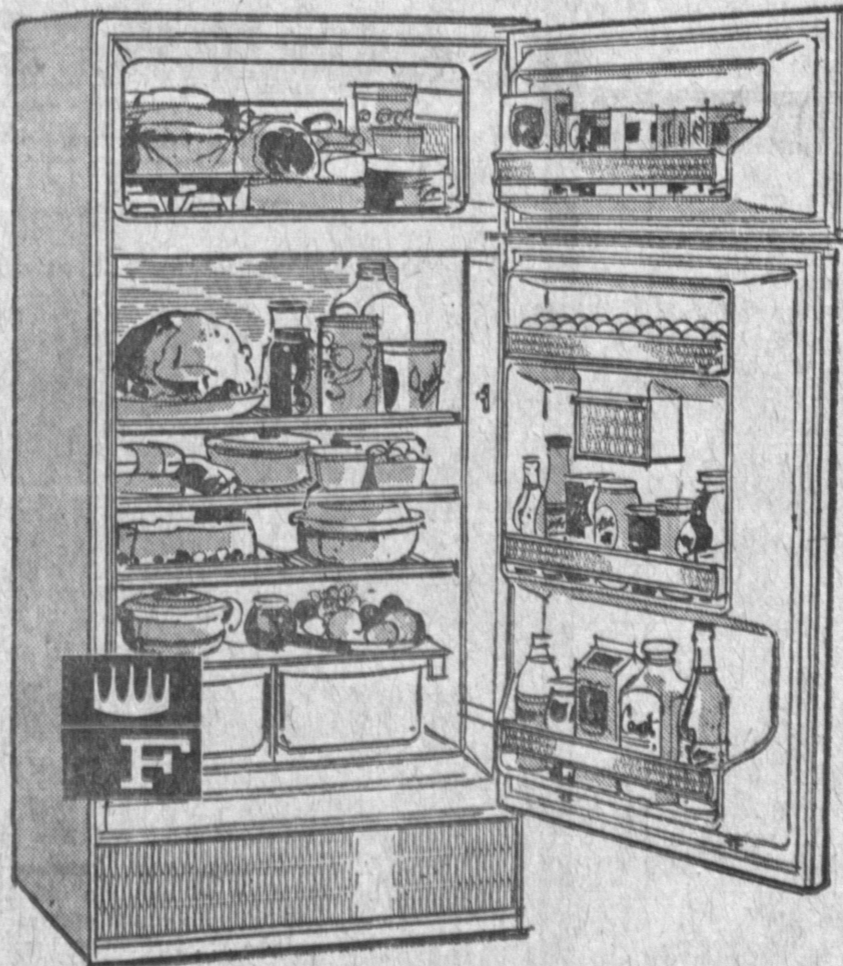


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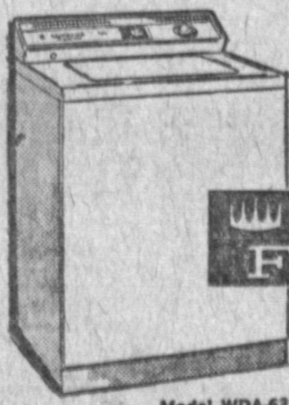
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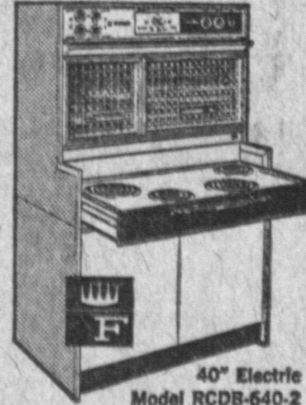
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