

Hi-Shear Rivet Notes 15 Years of Growth in Area

Fifteen years ago, the Hi-Shear Rivet Tool Company was started in business in Hermosa Beach by its two partners, George S. Wing and Allan J. Kirk.

Since then, Hi-Shear has become a nationally recognized manufacturer of high-strength fasteners for aircraft and missiles. Present general offices are located at 2600 W. 247th st., at the Torrance Airport, with manufacturing facilities located at 8924 Bellanca ave., just north of Los Angeles International Airport.

President George S. Wing invented the Hi-Shear rivet in 1941 while employed at North American Aviation, Inc. This rivet, devised to replace high-strength shear bolts, offered design advantages of less fastener and structure weights, less space needed and a faster installation time. The first airplane to use Hi-Shear-rivets was North American Aviation's famous World War II fighter, the P-51 Mustang.

Hi-Shear's first home in Hermosa Beach shared quarters with a gas station. By pooling their savings and eating lightly, Wing and Kirk obtained a few machines and started to make the tool sets required to drive Hi-Shear rivets. To satisfy customer demand, the partners began to produce collars, and after moving to larger quarters, qualified to produce the complete Hi-Shear rivet.

Transland Company

In 1946, when aircraft production was curtailed, the company entered cargo trailer and truck body designing and manufacturing. This venture created Transland Company, now Transland Aircraft, a division of Hi-Shear Rivet Tool Company. Since then Transland has become a leading manufacturer of aircraft assemblies and crop dusting and spraying equipment for agricultural aviation. Today Transland is starting full factory production on its new Ag-2 plane, designed by George Wing, Transland president. This new agricultural and forestry airplane was first flown at Torrance Municipal Airport on Oct. 11, 1956. Present manufacturing and delivery schedules are being geared to a world-wide sales and service program.

With start of the Korean conflict and the rapid development of high-performance jet aircraft and missiles, Hi-Shear rivets once again were in great demand. Early in 1951, the company moved to its present manufacturing plant north of the Los Angeles International Airport. With a more modern and enlarged facilities and staff, the company diversified its products to reach the new fastener markets. To answer rivet hole preparation problems, the Anchor bushing, a low-cost drill bushing, was invented to hold the drill per-

pendicular while the hole is being drilled. It is widely used in sheet metal industries of the United States, Canada and England.

Experience gained in the study of high-strength fasteners resulted in the development of the Hi-Torque bolt. Its head has a unique slot which grips the blade of the high-torque screwdriver tighter as the torque load is applied.

In 1954, patent papers were prepared for the Blind Bolt, a blind fastener which is installed from one side only of a structure. This unique fastener is now in active production and field service usage by principal airframe manufacturers and the armed forces. It can be used as a high-strength, all-purpose fastener or as a metal plate.

The company's latest product to be accepted by the airframe industry is the Hi-Lok, another high-strength fastener that combines the best features of the Hi-Shear rivet with the advantages of a bolt and in addition gives a controlled preload.

In 1955, the partnership status of the company was reorganized into a corporation to better answer the company's future needs. Current officers are George S. Wing, president; Allan J. Kirk, executive vice-president; A. E. Anderson, vice-president, manufacturing; Guy Nash, vice-president, sales; and W. J. Carrigan, secretary-treasurer.

Two years ago Hi-Shear moved its general offices and Transland Aircraft to its present 14-acre site adjacent to the Torrance Municipal Airport to provide the land and building facilities for an orderly expansion of future company activities.

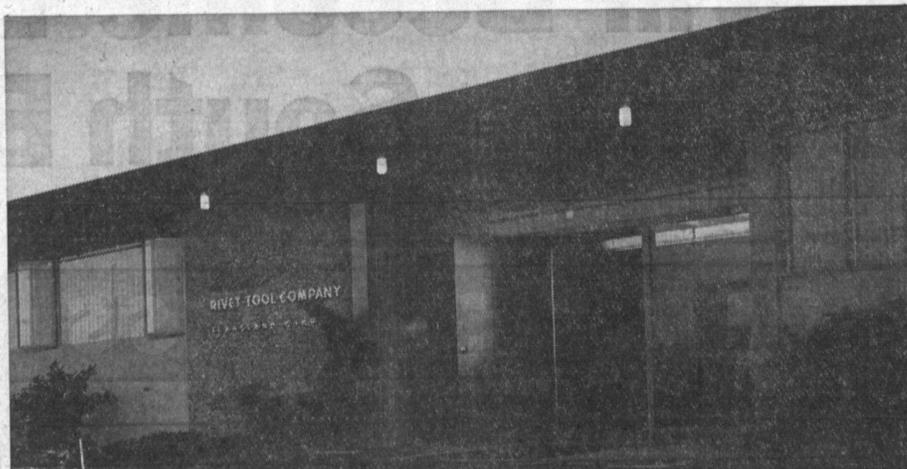
At present Hi-Shear and Transland have a combined total of 360 employees and a total of 87,000 square feet of manufacturing and office space at its Torrance and two production plants, one in Los Angeles and the other in Inglewood.

To Attend Convention

Mrs. Wendell Morgan, Perry PTA newly elected president, will be representing Perry Elementary School at the California State PTA convention.

Mrs. Morgan will leave by train May 6 and will stay at the Stuart Hotel in San Francisco. The convention will be in session from May 7 to 9.

Use Torrance Press classifieds.



OFFICES AT AIRPORT—The beautiful, new general offices of the Hi-Shear Rivet Tool Corporation were located at 2600 West 247th st., Torrance Municipal Airport, just two years ago. The corporation manufactures several patented high-strength fasteners used in the aircraft and metal industries. Transland Aircraft, a division of the Hi-Shear Rivet Tool Corporation, is also located at the Torrance Airport. Transland manufactures an agricultural and forestry airplane, the Ag-2, aircraft assemblies, crop dusting and spraying equipment for agricultural aviation.

Kidwell Aviation Offers Aircraft Sales, Service

The "Slim" Kidwell Aviation Co. located on Torrance Municipal Airport is a large aircraft and engine repair stations which offers aircraft sales as well as service.

The firm is the distributor for Bellanca Aircraft for all of California. It also offers private hangar storage for 55 planes. Kidwell Aviation does business all over the country, dealing especially with airplane parts.

E. G. (Slim) Kidwell has been in the airplane business 33 years, moving here from Central Airport six years ago. Charles A. (Chuck) Froman, is in charge of repair.

Vermont Dairy Sells 550 Gallons of Milk Daily

Vermont Dairy, located at 22400 Vermont, produces all types of dairy foods and sells about 550 gallons of milk a day.

Manager of the dairy is William Van Beek, who came here from Holland four years ago and assumed management of the dairy a year later. Van Beek's dairy now has 125 Holstein and Guernsey cows. His sons Simon and Ike assist him in the operation of Vermont Dairy.

Building Boom Continues in '58

(Continued from page one)

about 13 times what it was in the first quarter of '57.

Then it amounted to only \$244,939 for 20 commercial building permits. For the first quarter this year the number of permits is still 20, but they represent a value of \$3,680,717.

Mentions Big Projects

Schlen said the largest commercial building for which a permit has been granted this year is the Broadway Department Store in the Del Amo shopping center.

Its value is listed as \$3,100,000.

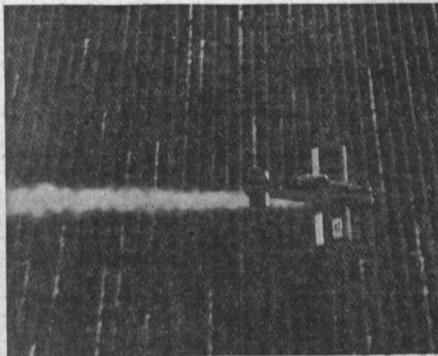
Other large projects which he mentioned as having received permits this year are:

The Little Company of Mary Hospital, West Torrance Blvd., with a permit for building valued at about \$2,500,000;

The Friedman Paper Bag Co., Maple ave. plant expected to cost about \$400,000;

The proposed Arrow Brands Corp. plant on So. Crenshaw Blvd., expected to cost about \$215,000.

Motorists should remember always to turn off the ignition switch while the gas tank is being filled, advises the Automobile Club of Southern California. Sparks from the ignition system can cause a fire.



CROP DUSTER—The Ag-2, an agricultural and forestry airplane, is built by Transland Aircraft of Torrance. Transland is a leading manufacturer of crop dusting and spraying equipment for agricultural aviation, and of aircraft assemblies. The Ag-2 was designed by George Wing, president of Transland Aircraft. It was first flown at Torrance Municipal Airport on Oct. 11, 1956. Transland Aircraft is a division of Hi-Shear Rivet Tool Company, whose general offices are located at the Torrance Municipal Airport.

National Supply Sponsors Scouts Cooperates in Huge Scout-o-Rama

National Supply is one of more than 400 firms in the Los Angeles area working with Cub Scouts and Explorers in staging the gigantic Scout-O-Rama in the Los Angeles Coliseum May 24.

Scouts and businessmen working together are preparing a forceful answer to claims that American youth lack scientific and technical ability. At the Scout-O-Rama, Scouts will present living proof that kids have the stuff, in demonstrations on the theme, "Preparing for Tomorrow's World."

Each of the firms in the Los Angeles area will work with a Scout unit in the role of a "Cooperating Partner." The unit and the industrial partner will be responsible for individual booth demonstrations in a specialty allied to a merit badge requirement. These specialties range from aviation to zoology. There will be demonstrations and booth explanations of such modern "miracles" as space travel, ballistic missiles, electronics, communications systems, jet aircraft and many others. Almost every type of industry will be represented.

In preparation for the coming Scout-O-Rama, individual Scout groups are visiting the plants

Firm Elects Vice Presidents

LOS ANGELES—Election of three new vice presidents in Space Technology Laboratories, a division of the Ramo-Woolridge Corporation, Los Angeles, was announced today by Dr. Simon Ramo, STL president.

Dr. Milton U. Clauser of Rolling Hills, was elected vice president and director of the Physical Research Laboratory; Allen F. Donovan, vice president and director of the Aeromatics Laboratory; and William F. Duke, vice president and associate director of the Systems Engineering Division.

The action was taken at a meeting of the board of directors of the Ramo-Woolridge Corporation held in Los Angeles.

Torrance Lad To Fort Ord

Pvt. 1 Vladimir Popovich, son of Mr. and Mrs. John Popovich, 2087 Carson st., Torrance, Calif., departs for six months active duty for training at Fort Ord, Calif., on April 26.

Pvt. Popovich is a member of Hq. & Hq. Co. 1st Battalion, 253rd Infantry Regiment's Communication Platoon stationed at the Army Reserve Center, Fort MacArthur, Calif.

He graduated from Torrance High School and attended the Aron Institute of Building and Contracting.

Upon completion of his six months active duty for training, Pvt. Popovich will finish the remainder of his reserve obligation at Fort MacArthur.

Sand and Gravel Company Aids Youth

Charles Shepard and Tom Block, partners in the Torrance Sand and Gravel Products Company, this week explained their twofold aim: to offer high quality products in business and to be of service to the community.

The company, which is located at 25701 Crenshaw Blvd., represents an investment of \$1,200,000.

In the 10 years of operation of the plant, Shepard and Block have become well-known as generous supporters of youth groups needing their aid. Among the many organizations which have found the two men ready to help are the Torrance Babe Ruth League, the Lomita Little League and the Boy Scouts of America.

The Walteria Boy Scouts received five acres of land for their facilities as a gift from the partners.

Shepard is on the board of controls of the Exchange Club and Block is past president.

land during which time Kirkwood will make four talks during a 72-hour period. Other scheduled speeches for Kirkwood are slated for Lynwood, Los Angeles and Hermosa Beach, Callister disclosed.

Optimists to Hear Controller

State Controller Robert C. Kirkwood will be the principal speaker at a dinner meeting of the Torrance Optimists Club scheduled for Monday at the Palms Cafe, 1925 West Carson st.

This was the announcement made there this week by E. Talbot Callister, Los Angeles County chairman for the Committee to Re-elect Kirkwood at the polls June 3.

The Torrance appearance of the state official is the first of a busy three-day visit to the south-

CONGRATULATIONS TO THE CITY OF TORRANCE ON ITS INDUSTRIAL GROWTH

We at Hi-Shear and Transland are proud to play a role in the industrial growth of the City of Torrance and in the development of the Torrance Municipal Airport. We bring to Torrance a portion of Southern California's biggest business, the aircraft and missile industry.

Our high strength fasteners at Hi-Shear are used by every major airframe manufacturer in the nation for military and commercial aircraft and principle missiles.

Transland is the largest producer in the nation of equipment for aerial dust and spray aircraft and in addition is producing the Ag-2 airplane designed expressly for agricultural and forestry work.

Our fasteners and agricultural aircraft products have been developed by the skilled talents of our employees, all residents of the City of Torrance and neighboring communities.

Hi-Shear Rivet Tool Company
and
Transland Aircraft

Located at
Torrance Municipal Airport



SKY THE IN MILESTONES PUTTING IS STILL DOUGLAS

For 35 years the Douglas Aircraft Company has been engaged in the conquest of space and time.

Many historical milestones in this conquest are Douglas achievements. Many more, still to be made, will bear the Douglas stamp.

We are confident of this because the men and women of Douglas have made a habit of making history in aviation.

Whether it's a DC-8 Jetliner, a Thor IREB, a Nike-Hercules anti-aircraft missile, or a classified "something" we can't even whisper about, its success will come from the ideas, skills and experience of thousands of people working for Douglas and our subcontractors in every state in the Union.

To all of these people, with this happy habit, we say "Thanks!"



The most respected name in Aviation



TO BETTER SERVE "ALL-AMERICA" TORRANCE

This is our constant aim—and throughout the years, as Torrance grew to its present stature—an aim we have kept constantly in mind.

In 1950, we were serving 4,649 consumers — today, 15,000. Looking ahead to the assured growth of the future, plans for numerous additional transmission water mains and millions of gallons storage facilities have already been inaugurated—

TO BETTER SERVE "ALL-AMERICA" TORRANCE

Torrance Municipal Water District
No. 3