

Operates in Two Fields

Magnavox Research Lab A Leading Local Plant

Magnavox Research Laboratories occupied its new 60,000-square-foot, fully air-conditioned plant in Torrance in 1960.

This facility of the Government and Industrial Division of the Magnavox Company was established in West Los Angeles in 1953. Ground was broken for the new building in Torrance Sept. 2, 1959.

The Laboratories are under the direction of Louis E. Justice, who was appointed general manager in 1963. Justice formerly was manager of the Data Systems Department.

He is an engineering graduate of the University of California at Los Angeles and resides with his family in Palmdale Estates.

storage systems capable of storing the equivalent of well over half a million typewritten pages, including pictorial matter, in 300 square feet of floor space.

WITH THESE systems, access to any of this data is possible and any desired information can be retrieved within a few seconds.

This department also has originated an optical method of reading information recorded in extremely high density on magnetic tape and has been responsible for many other significant developments in high-speed data processing equipment. Manager of the Data Systems Department is Joseph E. Stalder.

The Signal Systems Department has developed highly advanced communications and radar equipment for the armed forces and for industry. This equipment is characterized by its high immunity to enemy jamming, low detectability and inherent message privacy. This department is headed by C. R. Cahn, who is a recognized authority in the application of information theory to communications systems.

SINCE MAGNAVOX Research Laboratories is primarily concerned with research and development, each member of its technical staff is carefully chosen and is an expert in his specialty.

Administrative personnel are fully aware of the opportunities available and the problems faced, and it is this combination of competent engineers, skilled technicians, and capable administrators that has put Magnavox Research Laboratories at the top in the electronics industry.

The Government and Industrial Division of the Magnavox Company was established in 1950 around a core of seasoned engineers who had contributed significantly toward the Company's being awarded the Navy "E" four times during World War II.

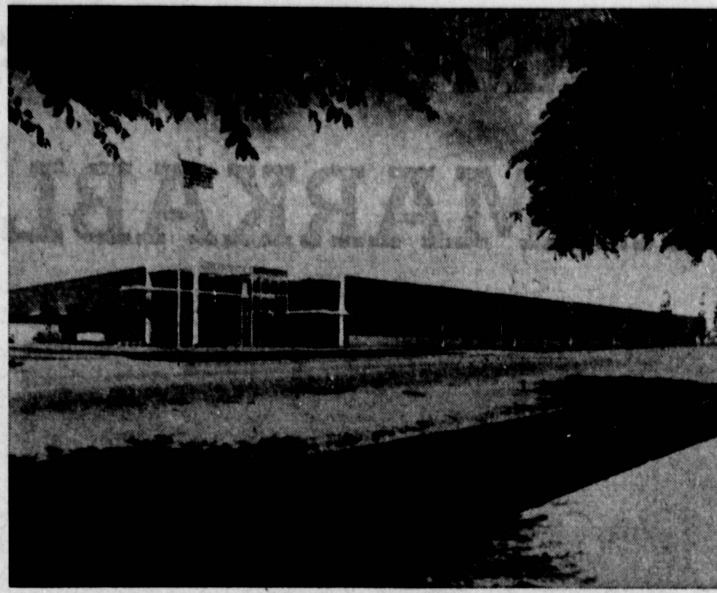
THE DIVISION is heavily engaged in the design, development, and manufacture of military electronic systems and equipment in the areas of communications, radar, navigation, anti-submarine warfare, guidance, fire control, computers, data processing, and ordnance.

The division is virtually a "company within a company," having its own engineering, manufacturing, purchasing, and accounting functions, and is independent of the well-known Consumer Products Division of Magnavox. It is one of the leaders in military electronics.

The division's development has been characterized by diversification both geographically and by product area.

IN ADDITION to the Magnavox Research Laboratories in Torrance, it maintains and operates two other facilities at Fort Wayne and Urbana, Illinois. These facilities comprise more than 600,000 square feet of office, laboratory, and manufacturing space.

The main plant and general offices of both the over-all company and the Government and Industrial Division are at the Fort Wayne facility, which houses the executive offices, the headquarters for all administrative functions, and the Engineering Department of the Consumer Products Division.



TORRANCE FACILITIES . . . Of Magnavox Research Laboratories are housed in this modern building at 2829 Maricopa St. Other Magnavox Company plants are located in Tennessee, Illinois, and Indiana. The 60,000-square-foot Torrance plant was occupied in June 1960. The Torrance building is a facility of Magnavox's Government and Industrial Division and is geared for research and development plus light manufacturing operations.

Harvey Official Foresees Good Future for Aluminum

"Aluminum remains a growth industry for the next decade."

"From all indications, the aluminum industry is looking forward to a record-breaking year in production and shipments. The basic industrial economy looks strong. All indications from our customers point upward."

That's the candid appraisal of an aggressive industry by one of its leading executives, Lawrence A. Harvey, president of Harvey Aluminum of Torrance.

"Backing this up is an intense campaign on the part of all of the primary producers to

strengthen the development of product applications for the light metal in old and new markets. The automotive market should accelerate to a new high this year in the consumption of aluminum, and the aluminum container business appears most vigorous. More aluminum is being used for building products than ever before. For the long range point of view, we look for the industry to increase its domestic output one hundred per cent in the coming decade."

COMMENTING on the plans for the Torrance based com-

pany, Harvey said that during the next four years, over \$100 million will be invested in expansion of domestic and international operations. Financial arrangements for capital loans and leases have already been completed.

"As a publicly-held primary producer, the company is in a position, because of its size, to take full advantage of the growth trends prevalent in the aluminum industry," said Harvey. "We are broadening our product spectrum and reducing operating costs through integration."

We are constructing a major aluminum rolling mill in Lewisport, Kentucky. The company is also constructing additional sheet rolling facilities in Torrance, and we're building an alumina plant on the island of St. Croix in the U. S. Virgin Islands.

In 50 Years

Phone Users Contribute Growth Mark

Population and industrial growth the past 10 years has pushed the number of telephones in Torrance past the 20,000 mark, far beyond the 8,600 phones in use back in 1954.

Jim Leggett, Pacific Telephone's manager here, said this puts Torrance ahead of all but four cities in the world outside the USA in percentage of phones to people. Recent figures show 51 telephones for every 100 persons in Torrance.

This is a far cry from 50 years ago when Pacific Telephone was marking its first year serving the community. Only 16 phones were in use by the end of 1914.

TODAY, Leggett continued,

the company is going into its second half-century here with 271 people scattered about three different locations to maintain and improve Torrance communication facilities. Together these employees take home an annual payroll of \$1.6 million, stimulating the economy of the area.

Last month the company's building at 2154 Torrance Blvd. received a first place award in national Bell system architectural competition. Business and employment offices and a switchboard center where information operators receive "113" calls from Torrance and much of the surrounding area are all located in the building.

Around the corner, at 1307 Cravens Ave., Pacific Telephone's central office houses the mechanized switching equipment for exchange phones.

CENTER FOR company installation, repair and construction forces is at West 220th St. and Vermont Ave.

Reviewing Pacific's program of maintaining and improving service, Leggett said work is now under way to provide additional calling circuits to points outside Torrance. Underground cable is being used with a target completion date in June.

Work is expected to begin in May on new telephone lines in the eastern and southern areas of the city for increasing business and residential needs.

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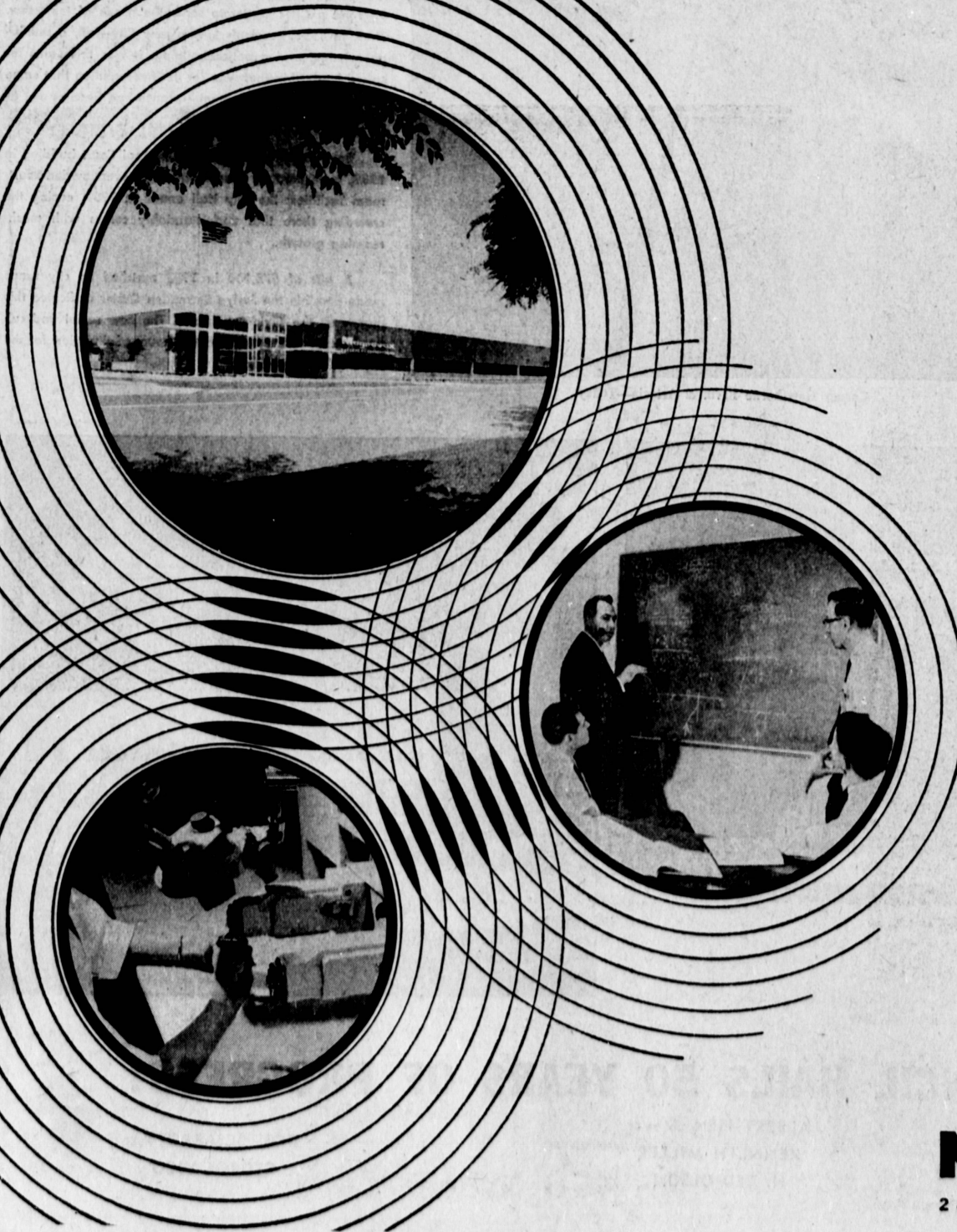
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Congratulations!

50 years old and still growing...

with the community. That's the proud record of the TORRANCE HERALD, and we at Magnavox Research Laboratories share in the pride that the present staff must feel upon publishing this 50th anniversary edition. The growth and development of the City of Torrance have been faithfully recorded in the Herald, and the public service that has been rendered in the process has no doubt contributed significantly to the welfare of the community.

Although, by Herald standards, Magnavox Research Laboratories is somewhat of a "Johnny come lately" in Torrance, we can trace our lineage back some fifty years, also. Indeed, the parent organization, The Magnavox Company of Fort Wayne, Indiana, was founded by two men in 1911 who distinguished themselves for all time by inventing the first loudspeaker. Since then The Magnavox Company has become one of America's foremost electronics producers. Magnavox Research Laboratories is part of the Government and Industrial Division of the Company, and its activities are guided solely by the needs of defense and industry. Working within two major areas, advanced communications and data systems, the Laboratories has many technological achievements to its credit and has become an integral part of the Torrance industrial community.

• AN EQUAL OPPORTUNITY EMPLOYER

Magnavox RESEARCH LABORATORIES
2829 MARICOPA STREET • TORRANCE, CALIFORNIA

Torrance Part of

A one-time far the foot of the Peninsula, crossing creek during has become one Torrance area's bus recent years.

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Fire Depar Organized

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