

INDUSTRY LEADER

Northrop Is Giant In Several Fields

Northrop Corp. today is a leading contributor to world technology in the areas of aircraft, electronics, communications, advanced weaponry, and space. Founded less than 30 years ago, the company now has major engineering or manufacturing facilities in nine states and the District of Columbia. The company is active in more than 50 countries and employs more than 25,000 men and women.

Two major aircraft programs at Northrop are the F-5 Freedom Fighter, which is in the armed forces of more than a dozen nations, and the T-38 Talon, the world's only supersonic trainer, which is used by the U.S. Air Force, the German Air Force, and the National Aeronautics and Space Administration.

In addition, Northrop is engaged in a wide range of research projects in advanced aeronautics, including V/STOL, hypersonic flight, and other categories.

Northrop's activities in these aerospace fields of the future are concerned with some of the largest airplane programs ever to affect local aircraft companies. In addition to its production of military F-5 supersonic tactical fighters and T-38 supersonic trainers, Northrop is deeply involved in the Boeing 747 jet transport program, the supersonic transport (SST), and the Lockheed C-5A.

In the 747 program, Northrop is responsible for design and manufacture of the largest section, the 153-foot-long passenger compartment, of the huge fan-jet airliner. The assembly will be built in sections by the Norair Division, with important components and sub-assemblies being manufac-

tured at Northrop Ventura in Conejo Valley, Northrop Nortronics in Anaheim, and Northrop Architectural Systems in the city of Commerce.

Under a separate agreement Northrop also manufactures outer wing panels and aft fuselage sections for Boeing's long-range 707 jet liner. Northrop 707 production work is scheduled to continue for at least three more years.

Northrop's Nortronics Division, also in Hawthorne, is building the inertial-Doppler navigation system for the world's largest aircraft—the U.S. Air Force C-5A. The huge jet transport is being built at Marietta, Georgia, by Lockheed-Georgia Co., a division of Lockheed Aircraft Corp.

Without the use of ground-based aids, the completely self-contained navigation system will be able to establish aircraft position accurately under all weather conditions. The C-5A will be the first cargo plane to use both Doppler and inertial navigation systems.

Accuracy of the system, which is being developed and produced by Northrop's Nortronics Division, will be better than one nautical mile per hour—meaning that the aircraft would be a maximum of only one mile off course after an hour of flight.

Northrop, which holds a leading position in the aerospace industry in titanium manufacturing technology, possesses an effective, integrated capability for the development and evaluation of elevated temperature forming and sizing techniques in the fabrication of titanium alloys. The company has been engaged continuously during a ten-year period in the production of complex

titanium alloy assemblies used on such aircraft as the F-101, F-4H, T-38, and F-5.

Northrop's Norair Division has conducted an extensive independent research and development program to advance capability in all aspects of fabricating the newer alloys. The areas under investigation include machining, welding, diffusion bonding, forming and hot sizing.

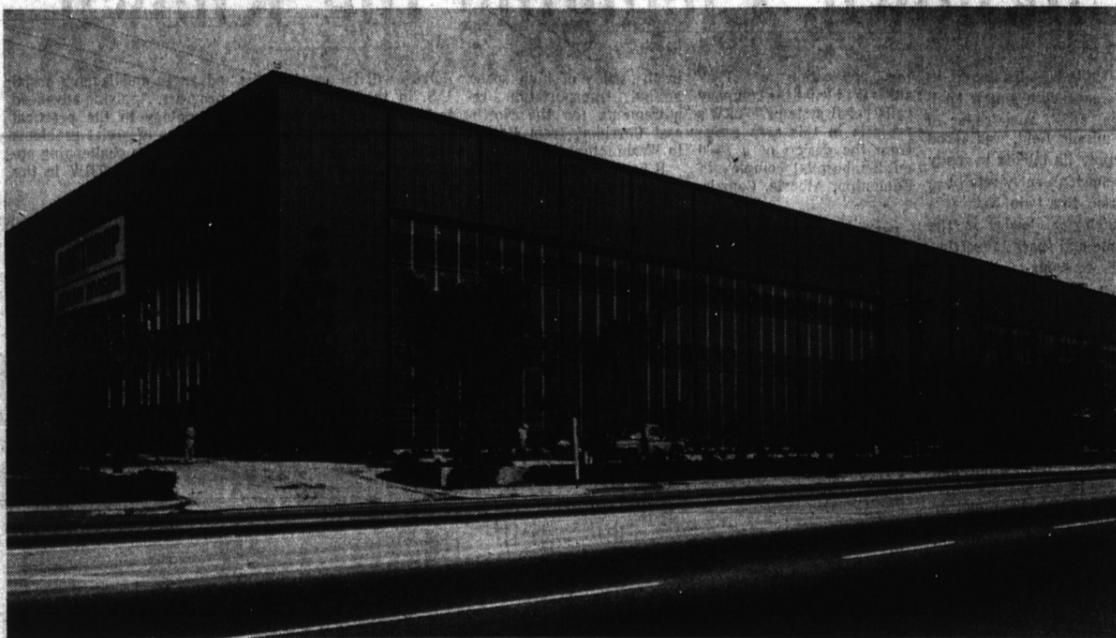
Of particular significance is the work completed by Northrop for the Boeing Co. in establishment of tooling, manufacturing, and processing techniques for the fabrication of selected formed parts from titanium alloys.

Cabrillo Installs Computer

Cabrillo Savings and Loan Association has introduced "on-line" computerized data processing and record keeping systems as the latest forward step in providing maximum efficiency of service.

Applying the newest technology to savings and loan operations makes it possible to handle transactions more rapidly and to bring pass-books up to date immediately by quick reference to the master memory in the central "brain" of the computer. "We see the introduction of the computer as an assist to our policy of improving the service to our customers," Michael T. Quaranta, Cabrillo Savings' executive vice president, said.

Utilization of the computer facility—now used exclusively for the savings operations—will be broadened later to cover all loan transactions as well.



Ultra Modern Plant

This new 504,000-square-foot assembly plant at Northrop Corp.'s Norair Division in Hawthorne is where the 153-foot-long passenger section of the giant new Boeing 747 airliner is being built. Northrop

is responsible for the major portion of the subcontract work on the 747. In addition, the firm produces the F-5 tactical fighter and the T-38 jet trainer in its Norair Division.



New Bank Headquarters

This building, scheduled to be started this month on the southeast corner of Hawthorne and Torrance Boulevards, will serve as Torrance area headquarters for Imperial Bank. The structure, which will be built of tinted glass and anodized aluminum mullions, will

include a mezzanine in addition to the main floor. Architects for the structure are Maxwell Starkman and Associates. Temporary facilities for Imperial Bank presently are located at 21154 S. Hawthorne Blvd.



UPPER: McDONNELL DOUGLAS DC-9 AIRLINERS.
LEFT: THE MIGHTY SATURN V LAUNCH VEHICLE.
LOWER: LOCKHEED-GEORGIA'S HUGE USAF C-5A JET TRANSPORT.

25 YEARS OF RELIABLE PERFORMANCE

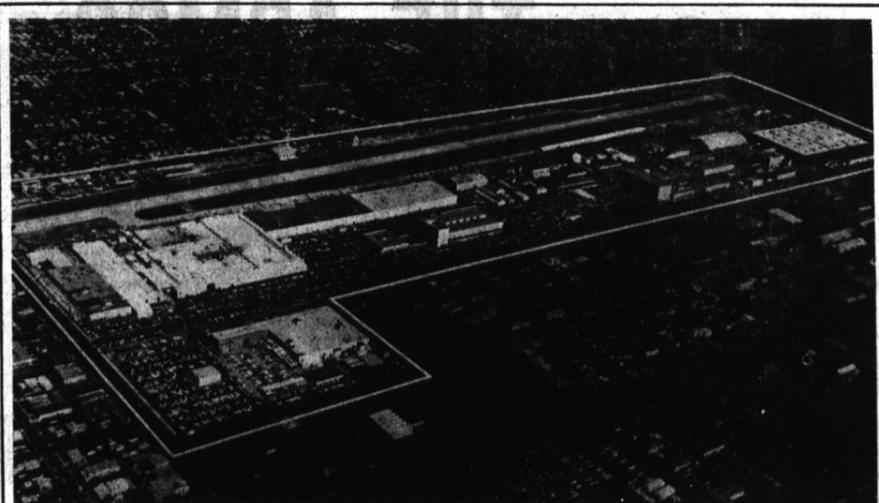
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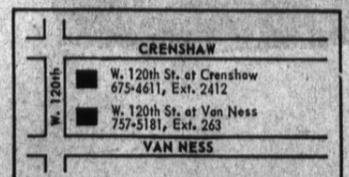
HOME BASE FOR 9,000 NORCRAFTERS

This is Northrop's mile-long aerospace complex in Hawthorne, now the working home of over 9,000 men and women... skilled and experienced people who have made Northrop one of the nation's foremost designers and builders of high-performance aircraft, aerospace vehicles, and related hardware.

Long known as a good place to work, Northrop's continued growth is assured by long-term programs that provide excellent opportunities for career-minded men and women. We will need people to help design and build Northrop's portion of the Boeing 747 jetliner... to keep production rolling on our supersonic T-38 trainers and F-5 fighters... and to work on such important programs as the C-5A inertial navigation system, the Mariner Mars space vehicle, and the OV2-5 space satellite.

Right now, there are openings at our

Hawthorne area facility for experienced aerospace workers. So... if you would like to know more about these openings and the rewarding aspects of a Northrop career, why not come in and talk to us? The map shows where our main Hawthorne employment offices are located and lists the numbers to call if you prefer to inquire by telephone... we'll be glad to hear from you.



NORTHROP CORPORATION
An equal opportunity employer