MAY 10, 1964

## Douglas Diversifies Local Plant, Now Employs 2,950 flown June 22, 1954, at Ed-wards Air Force Base, Muroc, Calif, only 18 months after design had begun, First pro-duction model of the versatile bomber, which can reach near-sonic speed at sea level, wards at each level. Sonic speed at sea level, wards within a tight turping ratio Diversification is the key to for facility of the Doug las Aircraft Division. Initially reacting red out into parts' fab-branched out into parts' fab-rication for the Nary's A4b DC49 commercial transports build the huge Saturn space roduction in the field of. B. Gwainey, a work force which he says should remain facturing facility. B. B. Gwainey, a work force winch he says should remain fut merced the future. B. B. Gwainey, a work force winch he says should remain facturing facilities. The MODERN mach in e stating facilities. The modern manu-facturing facilities. The modern manu-facturing facilities. The relabilitation of the for maximum flexibility to the operation to be trans-facturing facilities. The modern manu-facturing facilities. The relabilitation of the for maximum flexibility to the operation to be trans-facturing facilities. The modern manu-facturing facilities. The facilities facturi pilot at all altitudes down to ground level. Maneuverability and speed of the A-4E allow a high rate of climb and ability to perform within a tight turning radius. Skyhawks have a low stalling speed and possess outstanding TORRANCE near this figure for the fore-seeable future. A master plan devised by the Navy-Douglas team in 1952 transformed an abandoned al-uminum plant into one of the nation's most modern manu-facturing facilities. The rehabilitation of the deserted buildings on the 214-acre site was completed 12 to 14 months earlier than if a SPECIALTY The rehabilitation of the arm material and ending with the fainshed part, inspected and ready for ascensite was completed 12 to assembly. It includes the finesh production costs. ONLY 35 DAYS elapsed after the conversion got under way until production assemble to issue do ther material assemble to the subject of to the subject of the FIXTURES INCORPORATED Subsidiary of P&F Industries, Inc., Syosset, N.Y. ditional applications are be-ing developed to take advan-tage of the plane's versatility. One such application is fly-ing the A-4 off short landing strips on expeditionary air-fields, making use of carrier-type arresting gear and cat-apults. type a apults. ALL MODELS of the A4 can be refueled in flight ei-ther by a tanker or another Skyhawk. Skyhawks flown by Skyhawk. Skyhawks flown by Marine pilots have spanned the Atlantic using the "buddy system" of in-flight refueling. On Jan. 6, 1962, two Marine pilots set a new A-4 endurance record with a cross-country hop of 2,871 nautical miles be-tween Cherry Point, N. C., and El Toro, Calif., in 8 hours, 25 minutes Machinery Sales and Engineering **Designers and Builders** of Pipe Producing Plants minutes. The Skyhawks were refu-The Skyhawks were refu-eled from air tankers over Muscle Shoals, Tenn., and Parker, Calif. With its lighter, yet more powerful Pratt & Whitney Air-craft J52 turbojet engine, the A-4E can deliver the same pay-load as earlier models with a 27 per cent increase in range without refueling. for Many Foreign Countries Builder of the Largest **Continuous Pipe Mills** in the World 1313 W. SEPULVEDA BOULEVARD TORRANCE JET POWER for earlier Sky-hawks is provided by a Wright J65 turbojet. In addition to the new en-gine, the A-4E carries the Douglas-developed lightweight, rocket-catapulted ejection seat providing safe escape for a PHONES 326-1771 or 775-1166 MAIN ENTRANCE . . . Douglas facility has been in continuous production since 1952 when an abandoned aluminum plant was transformed for the U.S. Navy into one of the nation's most modern manufacturing facilities. VICKERS INCORPORATED DIVISION SPERRY RAND CORP. AEROSPACE DIVISION 3201 LOMITA BLVD. TORRANCE **Power Systems** Hydraulic Components Controls **Electro-Mechanical Hi-Temperature** Pneumatic

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