JULY 22, 1954

TORRANCE HERALD Twenty-sevels

299

Mere words cannot express that which true understanding can convey

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NORTH AMERICAN HAS BUILT MORE AIRPLANES THAN ANY OTHER COMPANY IN THE WORLD

EWS FROM NORTH AMERICA Another picture report of progress at North American Aviation

on the vital job of strengthening your security in the skies



AMERICA'S FIRST SUPERSONIC FIGHTER - Able to fly faster than sound in level flight...the new F-100 Super Sabre is here today...rolling off North American's production lines at Los Angeles now for delivery to the U.S. Air Force. The F-100 Super Sabre - holder of the official world's speed record of 755.149 m.p.h. - is a prime example of North American's years-ahead engineering skill in designing and building planes that meet the needs and advance the striking power of our nation's defense in the skies.

Engineers of vision...men who appreciate a challenge are wanted at North American Aviation. If you are an engineer looking to the future, write North American...Los Angeles or Downey, California...Columbus, Ohio.



TITANIUM ... NEW WONDER METAL - Gun blast door panels such as this one being formed on a Hufford Stretch press at North American's Columbus, Ohio plant for formed on a Hufford Stretch press at North American's Columbus, Ohio plant for the F-86H Sabre Jc: must withstand tremendous heat. That is why this new "wonder metal"...Titanium...is playing a vital part in the manufacture of new Sabre Jets North American has been one of the nation's leaders in developing the forming and use of this vital new metal for jet planes.



PATCHECKS ARE ONLY PART OF THE STORY – Thousands of employees like this on at North American Aviation's Fresno, California plant look to the future by takin advantage of the Company's Educational Refund Plan. Under this Plan, North American shares two-thirds of the cost of approved studies... giving any employee an opportunity to improve his knowledge through outside study. Since the Plan wa organized in 1950, over \$113,724 has been paid to more than 3,450 employees. The Edu cational Refund Plan is one of many benefits that make North American jobs better The Edu-



"WANT TO SEE MY ETCHING?" – Permitting faster forming of complicated parts... North American's New Chemical Milling Process sculptures metal parts into com-plex aircraft and guided missile components. Parts with portions masked are sub-merged in chemicals which etch the unmasked surfaces into finished parts with an accuracy of 2/1,000 of an inch. Chemical milling, developed at the company's Downey, California plant, is not intended to replace all machining, but to permit faster forming of new designs. Another example of North American's continuing research, helping make America a better ... safer place to live.



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