



138
U.S. AIR FORCE



100
60244

MCDONNELL F-101 WOODPECKER



VOODOO MISSION

The McDonnell F-101B Voodoo long range interceptor is the newest and most potent weapon system in operational squadrons of the Air Defense Command of the United States Air Force.

The Voodoo is the most effective protection against enemy aircraft which might approach United States territory with hostile intent. No airplane in the history of air power has had better qualifications for a particular mission.

WEAPONS SYSTEM

The Voodoo is more than just an "airplane"—it is a complete weapon system—the culmination of a 10-year engineering and manufacturing effort by the McDonnell Aircraft Corporation of Saint Louis, Missouri, in conjunction with the Air Force.

First of all the Voodoo has sizzling SPEED—the ability to get off the ground fast and intercept enemy formations.

Second, the Voodoo has extreme RANGE—it can roam far from the continental limits of the United States to carry out defensive missions.



the F-101B interceptor version of the Voodoo

Third, the Voodoo has great FIRE POWER—with the ability to deliver multiple combinations of missiles and rockets against enemy targets at high altitudes and at great distance.

Fourth, the Voodoo has been designed with a high SAFETY factor. During their first year of squadron service, two other versions of the Voodoo—the F-101A fighter-bomber and the RF-101 photo-reconnaissance plane—had the lowest accident rate of any operational fighter in the history of the United States Air Force.

These four characteristics... speed, range, fire-

power and safety... have emerged through years of careful experimentation and research. Thousands of engineering man-hours were expended to explore every facet of this complex interceptor before production got underway.

NEW WORLD RECORDS

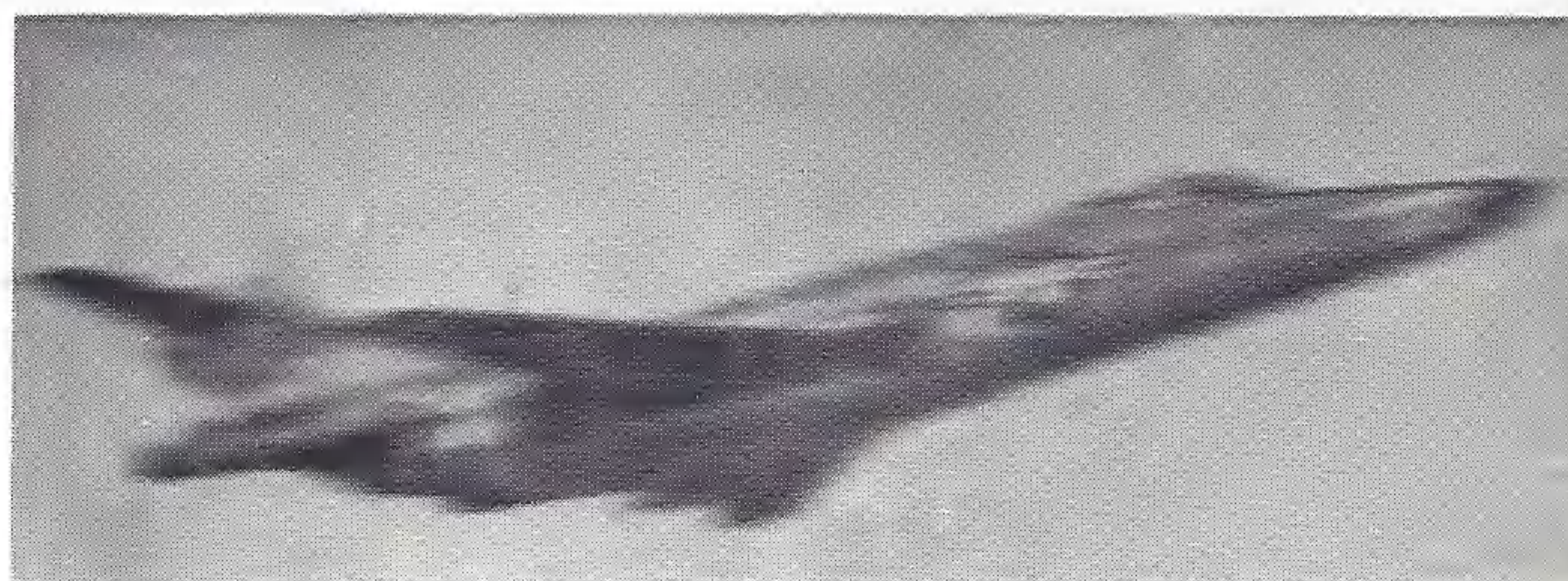
One of the Voodoo's most notable achievements was "Operation Firewall"—the successful assault on the world's speed record which had been held by the British. The record toppled before the Voodoo's onslaught on December 12, 1957 at Edwards Air Force Base, California.



"Fire Wall" Voodoo on the way to a new world's speed record

The Voodoo completed both legs of the measured ten-mile course at a blistering average speed of 1,207 miles-an-hour. The big fighter was piloted by Major Adrian E. Drew.

Less than a month previous—on November 27—a flight of six Voodoos underscored the long range, speed and dependability of the Voodoo in "Operation Sun Run".

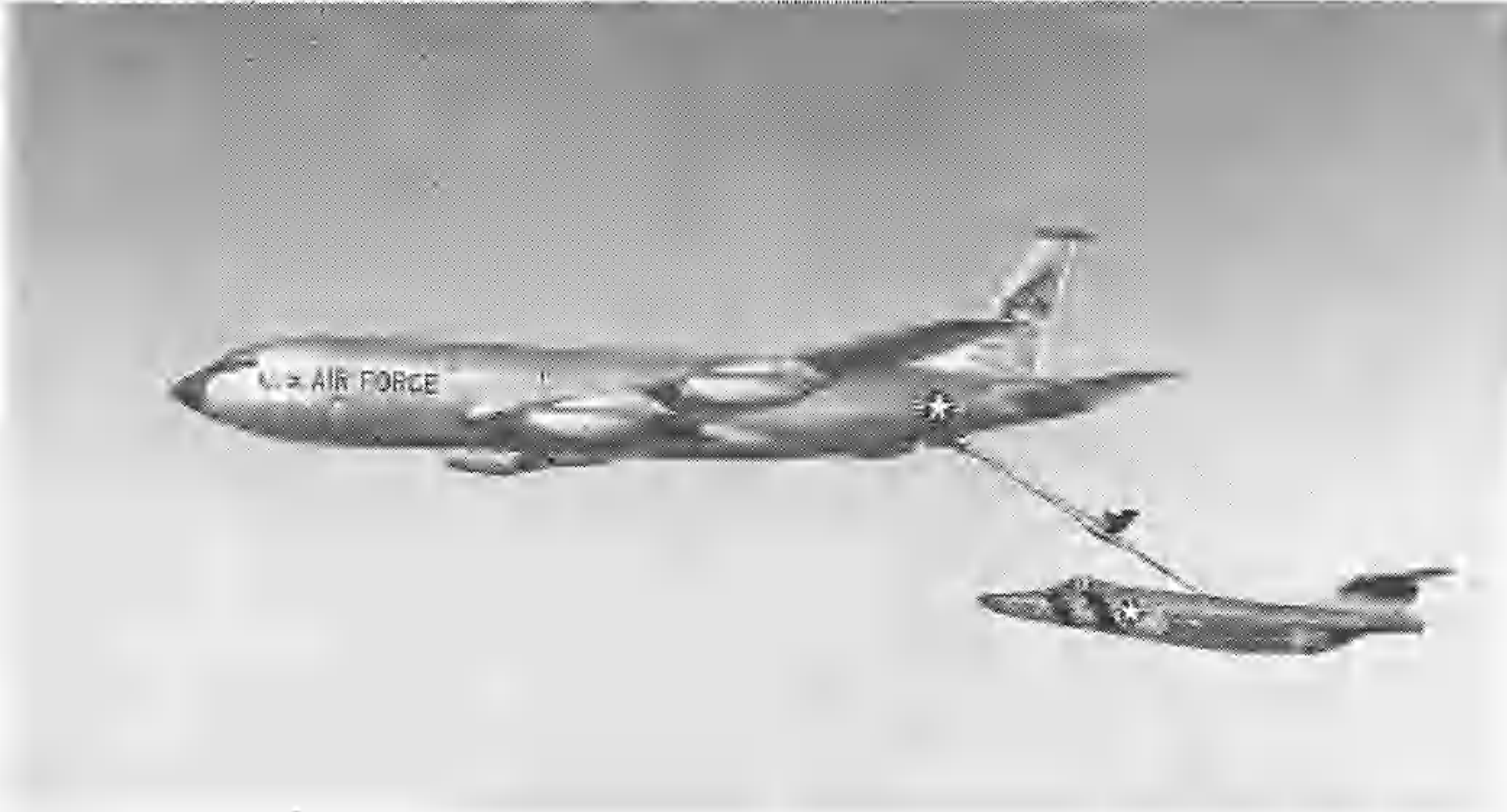


the cross-country record holding RF-101 Voodoo

At stake were the trans-continental speed records of the United States. The Voodoo's range was extended by mobile "filling stations in the sky"—giant tankers which rendezvoused with the Sun Run airplanes. Voodoo performance was flawless.

AERIAL HISTORY

The Voodoos went on to make aerial history. Before the day had ended, all three transcontinental records... west-to-east, east-to-west, and round trip... had been swept up by the Sun Run Voodoos. Record time from west to east was three hours, seven minutes. The round trip was made in six hours, forty-six minutes.



a Voodoo refuels during "Operation Sun Run"

"Mobile Zebra"—another Air Force operation—again proved the operational mobility of the Voodoo. Leaving from Shaw Air Force Base, North Carolina, the group flew to the West Coast and then island-hopped the entire Pacific to arrive in Tokyo. During the return trip a new speed record from Japan to Hawaii of six hours, three minutes was set.



two of the RF-101 Voodoos of "Operation Mobile Zebra"

The records continued to pile up. This past year, a flight of seven Voodoos from Bergstrom Air Force Base, Texas, completed a 6100 mile hop to England in a record eleven hours, two minutes. Later, the Atlantic was again spanned—from Washington, D. C. to Belgium in six hours, twelve minutes. And more recently three Voodoos flew 2000 miles-non-stop and non-refueled—in three hours and nine minutes. This flight from Kindley Air Force Base, Bermuda to Carswell Air Force Base, Texas, was the longest non-refueled flight ever made by a supersonic aircraft.



the F-101B armed with missiles.

VOODOO'S STING SHARPENED

While Voodoo-equipped operational squadrons continue to break existing records, engineers and technicians sharpen the Voodoo's sting. The interceptor Voodoo is capable of delivering advanced nuclear weapons in all kinds of weather at any target... airborne or ground... visible or invisible. And—vitally important to the Air Defense Command—the crew of this manned interceptor can distinguish between friend or foe before it's too late. Enemy bombers, singly or in a group, can be vaporized by one Voodoo-borne Genie air-to-air nuclear rocket. The Voodoo can also pack a lethal load of Falcon missiles.

DEFENSE OF FREE WORLD

The Voodoo is the end result of 10 years of continuous evolution... a modern weapon system with every basic ingredient for the defense of the Free World... the speed to overtake and the range to intercept; the firepower to destroy all types of targets in any weather; and the margin of safety to return from the mission. It is these basic concepts, designed into every inch of the Voodoo, that the Air Force has polished to a high lustre through the most exhaustive test program ever known. It is these concepts that will help insure our freedom.





View looking east toward main plant area at Lambert-St. Louis Municipal Airport, with building numbers as indicated. 27 June 1958.

- 1 Headquarters and Aircraft Final Assembly
- 21 & 27 Machine Shop and Parts Fabrication
- 32, 33 & 34 Engineering Campus
- 42 & 45 Flight Test and Manufacturing Hangars