F-105 Special Collection SDASM.SC.10044

Alan Renga
San Diego Air and Space Museum Library and Archives
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Language of Material: English
Contributing Institution: San Diego Air and Space Museum Library and Archives
Title: F-105 Special Collection
Identifier/Call Number: SDASM.SC.10044
Physical Description: 0.36 Cubic FeetOne Box
Date (inclusive): 1960-1970
Abstract: The F-105F was a supersonic fighter bomber used by the United States Air Force. The F-105F was the third F-105 in production and the F-105G would later be modified from the F-105F. This Collection details the demonstration of the F-105 by the US Air Force.

Conditions Governing Access
The collection is open to researchers by appointment.

Conditions Governing Use
Some copyright may be reserved. Consult with the library director for more information.

Preferred Citation
[Item], [Filing Unit], [Series Title], [Subgroups], [Record Group Title and Number], [Repository “San Diego Air & Space Museum Library & Archives”]

Biographical / Historical
The F-105F was a supersonic fighter bomber used by the United States Air Force. The F-105F was the third F-105 in production and the F-105G would later be modified from the F-105F. It was manufactured by Republic Aviation, which between 1963 and 1964 produced 143 F-105Fs, or Thunderchiefs (sometimes called “Thuds”). The last of these was delivered in January of 1965. Even so, the F-105Fs was used until the United States ended their involvement in Vietnam. The two-seat F-105F was produced for the Vietnam War; where it was deployed as a low-altitude, high speed fighter-bomber, capable of carrying up to 14,000 pounds of bombs and missiles. The rear cockpit of the F-105F was a duplicate of the front cockpit, which allowed either pilot to have control of the aircraft. The F-105F was 67 feet long, 20 feet 5 inches tall, and had a max weight of 54,580 pound. It had a cruising speed of 596 miles per hour, a maximum speed of 1,386 miles per hour, and it contained one Pratt & Whitney J75-P-19W engine. A modified F-105F, known around the Air Force as the EF-105F, though still officially called the F-105F, added jamming equipment, AGM-45 Shrike anti-radiation missiles, and some models even had combat cameras, armor plating, backup flight control systems, and automatic or manually-controlled weapons release. The F-105F was also considered a “Wild Weasel” aircraft because it was used by the United States against the North Vietnamese to destroy surface-to-air missile sites with anti-radar missiles.

Immediate Source of Acquisition
The materials in this Collection were donated to the San Diego Air and Space Museum.

Scope and Contents
One archive box, containing 7 folders. Items in this collection, from 1963, include introduction manuals to the F-105 F, as well as demonstration plans and reports from test flights at Langley, VA Air Force Base, Andrews, MD Air Force Base, and Ramstein, Germany Air Force Base. Additionally there are maps from test flights, correspondence, newspaper clippings, and photographs.

Related Materials
Lindell Hendrix Special Collection http://www.flickr.com/photos/sdasmarchives/sets/72157633769465617/ with/8870696409/

Subjects and Indexing Terms
Republic F-105 Thunderchief
**Box 01**

**Folder 01 - Introduction to F-105 F**

Physical Description: 1. (2 copies) Introduction to F105 F Two Place Airplane.

**Folder 02 - F-105F Demonstration at Langley, Andrews, and Ramstein**

Physical Description: 1. F-2 Demonstration Flights at Langley AFB and Andrews AFB. 2. Joint Message Form from 17AF Ramstein AB Germany. 3. F-4 Demonstration at Ramstein Air Base, Germany.

**Folder 03 - Reports on F-105F Demonstration Flights at Langley, Andrews, and Ramstein**


**Folder 04 - Correspondence**


**Folder 05 - F-105F Demonstration Maps East and West**

Physical Description: 1. F105 F Demonstration East. 2. F105 F Demonstration West.
Folder 06 - F-105 F Newspaper Clippings

Folder 07 - Photographs
Physical Description: 1. 9 black and white photos of F-105F test flights. 2. Approx. 100 photocopies of images now found in SDASM Archives 01 series, ~01_00018314 to 01_00018416.