Descriptive Finding Guide for the Wilhelm F. Schult Personal Papers
SDASM.SC.10126

Alan Renga
San Diego Air and Space Museum Library and Archives
11/12/2014
2001 Pan American Plaza, Balboa Park
San Diego 92101
URL: http://www.sandiegoairandspace.org/
Language of Material: English
Contributing Institution: San Diego Air and Space Museum Library and Archives
Title: Wilhelm F. Schult Personal Papers
Identifier/Call Number: SDASM.SC.10126
Physical Description: 1.25 Cubic Feet2 boxes 6” X 18” X 10”
Date (inclusive): 1895-1979
Abstract: Wilhelm Schult was a designer and researcher at Ryan Aeronautical who, in the 1930s, began his own independent research into the flying wing aircraft design.
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.
Immediate Source of Acquisition
The materials in this Collection were donated to the San Diego Air and Space Museum.
Preferred Citation
[Item], [Filing Unit], [Series Title], [Subgroups], [Record Group Title and Number], [Repository “San Diego Air & Space Museum Library & Archives”]
Scope and Contents
This collection consists of 2 boxes 6” X 18” X 10” containing drawings, calculations, photographs, and negatives. One folder in the collection is restricted for conservation reasons.
Related Materials
Northrop Grumman Subject Files
Horton Subject Files
Biographical / Historical
Wilhelm F. Schult was born in Winthrop, Massachusetts in 1895. He studied mathematics and engineering at Massachusetts Institute of Technology. In 1927, he moved to San Diego and began work for Ryan Aeronautical Company and other companies. In the 1930s, he began to do independent research in the design of flying wing aircraft. He built scale models and tested them in flight and in wind tunnels. This collection contains his research. He passed away in 1979 and was buried in Massachusetts.
Subjects and Indexing Terms
McDonnell Douglas aircraft
Flying Wing Airplanes
Northrop Grumman Corporation
Boeing Airplane Company
Wright Aeronautical Corporation
Schult, Wilhelm F.
Ryan Aeronautical Company
Lockheed Aircraft
Boeing Company

Box 01
Folder 01 - Plans and Drawings

Folder 02 - Photographs
Physical Description: 1. 72 Photographs depicting flying wing models and other items.

Folder 03 - Miscellaneous specifications and drawings

Folder 04 - Single person sailplane drawing
Physical Description: One (1) item. Restricted for conservation reasons.

Folder 05 - Design and Stress Analysis of Model S-2
Physical Description: One (1) book, Design and Stress Analysis of High Speed Low Wing Monoplane model S-2, by Wilhelm F. Schult, engineer, general specifications, performance and loading data, 82 pages.

Folder 06 - Design and Stress Analysis of Model S-1
Physical Description: One (1) book, Design and Stress Analysis of 5 Place High Wing Monoplane, model S-1, by Wilhelm F. Schult, engineer, loading weight and balance calculations, 73 pages.

Folder 07 - Preliminary design of Flying Wing Pursuit
Physical Description: One (1) book, Preliminary Design of Flying Wing Pursuit with Allison 1000 to 1600 H.P. model S-6, by Wilhelm F. Schult, engineer, descriptions and performance calculations, 19 pages

Folder 08 - Photographic negatives of pursuit and other models
Box 02
Folder 09 - Books and Magazine Articles

Folder 10 - Miscellaneous Calculations and drawings

Folder 11 - Additional blueprints and drawings

Folder 12 - Design Schult XP800
   Physical Description: One (1) book, Preliminary Design and Stress Analysis of Schult XP 800 model S-5, by Wilhelm F. Schult, engineer, containing drawings and calculations, 24 pages.

Folder 13 - Applied Transonic Aerodynamics

Folder 14 - Principles of High Speed Flight
   Physical Description: One (1) book Principles of High Speed Flight, by H.M. Conway, Jr. Southeastern Research Institute, Atlanta, Georgia, aerodynamic studies and calculations, 48 pages.

Folder 15 - Preliminary Design Pursuit

Folder 16 - Preliminary Design Heavy Bomber

Folder 17 - Photograph of Wilhelm Schult flying wing models in display case