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National Air and Space Museum

National Air and Space Museum Technical Reference Files: Miscellaneous

NASM Staff

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National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	National Air and Space Museum Technical Reference Files: Miscellaneous
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Administrative Information

Restrictions

The majority of the Archives Department's public reference requests can be answered using material in these files, which may be accessed through the Reading Room at the Steven F. Udvar-Hazy Center in Chantilly, Virginia. More specific information can be requested by contacting the [Archives Research Request](#) .

Scope and Contents

The [Technical Reference Files](#) comprise an artificial collection that currently contains 1,900 cubic feet of aviation and space related materials, organized in 22 subject series. File materials include photographs, press releases, clippings, correspondence, reports, and brochures, on individuals, organizations, events, and objects.

Container Listing

Series Y0: Miscellaneous, General

Aeronautical Charts and Maps

Y0-000250-01: Aeronautical Charts and Maps [Documents]

Y0-000250-02: Aeronautical Charts and Maps [Documents]

Aircraft Recovery and Archeology

Y0-000500-01: Aircraft Recovery and Archeology [Documents]

Y0-000500-02: Aircraft Recovery and Archeology [Documents]

Y0-000500-03: Aircraft Recovery and Archeology [Documents]

Y0-000500-80: Aircraft Recovery and Archeology [Photos]

Glossaries and Dictionaries

Y0-001000-01: Glossaries and Dictionaries [Documents]

Y0-001000-02: Glossaries and Dictionaries [Documents]

High Altitude Flight

Y0-108000-01: High Altitude Flight [Documents]

History by Era

Y0-109900-01: History by Era, General [Documents]

Y0-109900-80: History by Era, General [Photos]

Y0-110000-01: History, Pre-20th Century [Documents]

Y0-110000-OS: History, Pre-20th Century [Oversize]

Notes: Reproduction by the Academy of Advanced Traffic of Emmanuel Dieuaide's engraved educational poster originally titled "Tableau D'Aviation," now under the title "The Development of Heavier-Than-

Air Machines," depicting various flying machines designed between 1500 and 1880. (16 x 10.5 inch black and white poster on 19 x 12 inch paper, yellowed overall with minor creasing along the center).

Y0-111000-01: History, 1900s (1900-1909) [Documents]

Y0-111000-80: History, 1900s (1900-1909) [Photos]

Y0-111010-01: History, 1910s [Documents]

Y0-111010-85: History, 1910s [Negatives]

Y0-112000-01: History, 1920s [Documents]

Y0-113000-01: History, 1930s [Documents]

Y0-113000-02: History, 1930s [Documents]

Y0-115000-01: History, 1950s [Documents]

Y0-115000-02: History, 1950s [Documents]

Y0-115000-03: History, 1950s [Documents]

Y0-115000-04: History, 1950s [Documents]

Y0-116000-01: History, 1960s [Documents]

Y0-116000-02: History, 1960s [Documents]

Y0-116000-03: History, 1960s [Documents]

History, National

Y0-120100-01: Australia [Documents]

Y0-120100-02: Australia [Documents]

Y0-120300-80: China [Photos]

Y0-120600-01: France [Documents]

Y0-120600-02: France [Documents]

Y0-120600-03: France [Documents]

Y0-120700-01: Greece [Documents]

Y0-120900-01: Italy [Documents]

Y0-120950-01: Norway [Documents]

Y0-120980-01: Switzerland [Documents]

Y0-121000-01: Turkey [Documents]

Y0-121200-01: United Kingdom (UK) [Documents]

Y0-121200-OS: United Kingdom (UK) [Oversize]

Notes: 10.5 x 14 inch booklet, "Achievement in British Aircraft", by S. E. Veale, circa 1940s.

Y0-121300-NF: United States (USA) [**No File**]

Y0-122000-01: United States, New York [Documents]

Y0-122500-01: United States, Ohio [Documents]

History, Oddities

Y0-300000-01: History, Oddities [Documents]

Y0-300000-02: History, Oddities [Documents]

Y0-300000-03: History, Oddities [Documents]

Y0-300000-80: History, Oddities [Photos]

History, Predictions of the Future

Y0-510000-01: History, Predictions of the Future, Pre-1900 [Documents]

Y0-510010-01: History, Predictions of the Future, 1900s (1900-1909) [Documents]

Y0-510010-OS: History, Predictions of the Future, 1900s (1900-1909) [Oversize]

Notes: Encapsulated clipping, "We Shall Yet Fly" from *The Evening Star*, Saturday, June 4, 1904, written by Frank G. Carpenter.

Y0-510015-01: History, Predictions of the Future, 1910s [Documents]

Y0-510200-01: History, Predictions of the Future, 1920s [Documents]

Y0-510200-OS: History, Predictions of the Future, 1920s [Oversize]

Notes: Laminated newspaper sheets pertaining to early rocketry. Unidentified paper, possibly *Public Ledger*, but no city ("All Aboard for Mars and Venus", labeled in pencil 4/29/1928); *The Boston Herald* 6/21/1936 ("Aboard the Rocket for Mars, Transfers to Venus", page D3); *The New York Times Magazine* 9/5/1937 ("Fiery Rockets Roar, Forerunners of Swift Ships of Space", pp. 8-9, separate sheets).

Y0-510300-01: History, Predictions of the Future, 1930s [Documents]

Y0-510300-80: History, Predictions of the Future, 1930s [Photos]

Y0-510300-OS: History, Predictions of the Future, 1930s [Oversize]

Notes: Laminated newspaper sheets pertaining to early rocketry. Unidentified paper, possibly *Public Ledger*, but no city ("All Aboard for Mars and Venus", labeled in pencil 4/29/1928); *The Boston Herald* 6/21/1936 ("Aboard the Rocket for Mars, Transfers to Venus", page D3); *The New York Times Magazine* 9/5/1937 ("Fiery Rockets Roar, Forerunners of Swift Ships of Space", pp. 8-9, separate sheets).

Y0-510400-01: History, Predictions of the Future, 1940s [Documents]

Y0-510500-01: History, Predictions of the Future, 1950s [Documents]

Y0-510600-OS: History, Predictions of the Future, 1960s [Oversize]

Notes: *The Philadelphia Inquirer Magazine*: Rockets and Space issue. July 16, 1961, "A two-part series answering... questions about... country's space program, the universe... the earth...rockets and propulsion... satellites of the earth...uses of satellites.. laws of space... the solar system" and in part 2 "... the moon.. How man will live on the moon... man in space... life on other worlds... travel to other planets and to the stars."

Y0-510700-01: History, Predictions of the Future, 1970s [Documents]

Legends and Unexplained Phenomena

Y0-650000-01: Legends and Unexplained Phenomena, General [Documents]

Y0-650100-01: Legends and Unexplained Phenomena, Bermuda Triangle [Documents]

Y0-650100-02: Legends and Unexplained Phenomena, Bermuda Triangle [Documents]

Log Books

Y0-660000-01: Log Books [Documents]

Maintenance, Repair, and Conservation

Y0-680000-01: Maintenance, Repair, and Conservation [Documents]

Y0-680000-80: Maintenance, Repair, and Conservation [Photos]

Meteorology

Y0-690000-00: Meteorology [Cross-reference]

Y0-690000-01: Meteorology [Documents]

Y0-690000-02: Meteorology [Documents]

Y0-690000-80: Meteorology [Photos]

Natural Flight

Y0-700100-01: Natural Flight, General [Documents]

Y0-700100-80: Natural Flight, General [Photos]

Y0-701000-01: Amphibians [Documents]

Y0-702000-01: Birds [Documents]

Y0-702000-02: Birds [Documents]

Y0-702000-80: Birds [Photos]

Y0-703000-01: Dinosaurs and Reptiles [Documents]

Y0-703000-80: Dinosaurs and Reptiles [Photos]

Y0-704000-01: Fish [Documents]

Y0-704000-80: Fish [Photos]

Y0-705000-01: Insects [Documents]

Y0-706000-NF: Mammals [**No File**]

Y0-707000-80: Plant Life (Seeds) [Photos]

Patents

Y0-709000-01: Patents [Documents]

Social Impact

Y0-801000-01: Amusement Park Rides [Documents]

Y0-801000-80: Amusement Park Rides [Photos]

Y0-802000-01: Collectibles [Documents]

Y0-805000-01: Fashion [Documents]

Y0-805000-80: Fashion [Photos]

Y0-807000-01: Toys and Games [Documents]

Y0-807000-80: Toys and Games [Photos]

Sonic Booms

Y0-900000-01: Sonic Booms [Documents]

Y0-900000-02: Sonic Booms [Documents]

Y0-900000-03: Sonic Booms [Documents]

Y0-900000-04: Sonic Booms [Documents]

Storage, Preservation and Restoration

Y0-950000-01: Storage, Preservation and Restoration [Documents]

Y0-950000-02: Storage, Preservation and Restoration [Documents]

Transport of Aircraft and Spacecraft

Y0-970000-01: Transport of Aircraft and Spacecraft [Documents]

Wrecks and Damage

Y0-990000-80: Wrecks and Damage [Photos]

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Series Y1: Miscellaneous, Engineering

Aerodynamics

Y1-100000-01: Aerodynamics, General [Documents]

Y1-100000-02: Aerodynamics, General [Documents]

Y1-100000-03: Aerodynamics, General [Documents]

Y1-100000-04: Aerodynamics, General [Documents]

Y1-100000-05: Aerodynamics, General [Documents]

Y1-100000-06: Aerodynamics, General [Documents]

Y1-100000-80: Aerodynamics, General [Photos]

Y1-150000-01: Aerodynamics, Supersonic and Hypersonic [Documents]

Y1-150000-80: Aerodynamics, Supersonic and Hypersonic [Photos]

Y1-170000-01: Aerodynamics, Testing [Documents]

Y1-170000-02: Aerodynamics, Testing [Documents]

Y1-170000-80: Aerodynamics, Testing [Photos]

Y1-190000-01: Aerodynamics, Wing-Fuselage Interference [Documents]

Y1-190000-02: Aerodynamics, Wing-Fuselage Interference [Documents]

Armor

Y1-195000-01: Armor, General [Documents]

Y1-195000-80: Armor, General [Photos]

Canopy

Y1-200000-80: Canopy [Photos]

Cockpit

Y1-250000-01: Cockpit [Documents]

Y1-250000-02: Cockpit [Documents]

Engineering and Design, General

Y1-000500-01: Engineering and Design, General [Documents]

Y1-000500-02: Engineering and Design, General [Documents]

Y1-000500-03: Engineering and Design, General [Documents]

Y1-000500-04: Engineering and Design, General [Documents]

Y1-000500-05: Engineering and Design, General [Documents]

Y1-000500-06: Engineering and Design, General [Documents]

Y1-000500-07: Engineering and Design, General [Documents]

Y1-000500-80: Engineering and Design, General [Photos]

Y1-000550-01: Engineering and Design, Computer-Aided Design (CAD)
[Documents]

Y1-000600-01: Engineering and Design, Drawings and Blueprints [Documents]

Flight Control Systems

Y1-285000-01: Flight Control Systems [Documents]

Flight Testing

Y1-290000-01: Flight Testing [Documents]

Y1-290000-02: Flight Testing [Documents]

Y1-290000-03: Flight Testing [Documents]

Y1-290000-04: Flight Testing [Documents]

Fuselage

Y1-300000-01: Fuselage, General [Documents]

Y1-300000-02: Fuselage, General [Documents]

Y1-300000-80: Fuselage, General [Photos]

Y1-300700-01: Fuselage, Pressurization [Documents]

Y1-300700-02: Fuselage, Pressurization [Documents]

Hydraulics

Y1-460000-01: Hydraulics [Documents]

Y1-460000-02: Hydraulics [Documents]

Y1-460000-80: Hydraulics [Photos]

Landing Gear

Y1-500000-01: Landing Gear [Documents]

Y1-500000-02: Landing Gear [Documents]

Y1-500000-03: Landing Gear [Documents]

Y1-500000-80: Landing Gear [Photos]

Y1-510000-01: Landing Gear, Floats [Documents]

Y1-510000-02: Landing Gear, Floats [Documents]

Y1-510000-80: Landing Gear, Floats [Photos]

Y1-510000-OS: Landing Gear, Floats [Oversize]

Notes: Edo Floats advertisements (4 copies), black and white, product of Prop 'N Hope.

Y1-515000-80: Landing Gear, Skis [Photos]

Materials

Y1-600000-01: Materials, General [Documents]

Y1-600000-02: Materials, General [Documents]

Y1-600000-03: Materials, General [Documents]

Y1-600000-04: Materials, General [Documents]

Y1-600000-80: Materials, General [Photos]

Y1-600050-01: Materials, Bonding [Documents]

Y1-600100-01: Materials, Composite [Documents]

Y1-600100-OS: Materials, Composite [Oversize]

Notes: Concept sketches from Fiber Science, Inc. (undated, 14 x 11 inch, black and white). Bound packet consists of artists renderings of the Joined-Wing Airplane and highlights "a new concept for application of composite materials to airframe construction."

Y1-600200-01: Materials, Glass [Documents]

Y1-600500-01: Materials, Metal [Documents]

Y1-600500-02: Materials, Metal [Documents]

Y1-600500-03: Materials, Metal [Documents]

Y1-600500-04: Materials, Metal [Documents]

Y1-600500-80: Materials, Metal [Photos]

Y1-600550-01: Materials, Metal, Aluminum [Documents]

Y1-600550-02: Materials, Metal, Aluminum [Documents]

Y1-600550-03: Materials, Metal, Aluminum [Documents]

Y1-600550-80: Materials, Metal, Aluminum [Photos]

Y1-600560-01: Materials, Metal, Magnesium [Documents]

Y1-600565-01: Materials, Metal, Nickel [Documents]

Y1-600575-01: Materials, Metal, Steel [Documents]

Y1-600575-80: Materials, Metal, Steel [Photos]

Y1-610000-01: Materials, Paper [Documents]

Y1-620000-01: Materials, Plastic [Documents]

Y1-620010-01: Materials, Plastic, Bakelite [Documents]

Y1-620050-01: Materials, Plastic, Plexiglass or Acrylic Sheeting [Documents]

Y1-620050-80: Materials, Plastic, Plexiglass or Acrylic Sheeting [Photos]

Y1-620060-01: Materials, Rubber [Documents]

Y1-620070-01: Materials, Stealth Technology [Documents]

Y1-620080-01: Materials, Textile [Documents]

Y1-620080-02: Materials, Textile [Documents]

Y1-620100-01: Materials, Wood [Documents]

Y1-620100-02: Materials, Wood [Documents]

Y1-620100-80: Materials, Wood [Photos]

Noise Reduction and Vibration Suppression

Y1-630000-01: Noise Reduction and Vibration Suppression [Documents]

Y1-630000-80: Noise Reduction and Vibration Suppression [Photos]

Reliability

Y1-650000-01: Reliability [Documents]

Y1-650000-02: Reliability [Documents]

Y1-650000-03: Reliability [Documents]

Y1-650000-04: Reliability [Documents]

Rudders

Y1-670000-01: Rudders [Documents]

Seats

Y1-690000-01: Seats [Documents]

Y1-690000-80: Seats [Photos]

Y1-690050-01: Seats, Fighters [Documents]

Y1-690050-80: Seats, Fighters [Photos]

Spars

Y1-695000-01: Spars, General [Documents]

Y1-695000-02: Spars, General [Documents]

Stability

Y1-697000-01: Stability [Documents]

Tail

Y1-700000-01: Tail, General [Documents]

Y1-700000-80: Tail, General [Photos]

Trim Systems (Trim Tabs)

Y1-719000-01: Trim Systems (Trim Tabs) [Documents]

Wake Vortex Testing

Y1-725000-01: Wake Vortex Testing [Documents]

Y1-725000-80: Wake Vortex Testing [Photos]

Weight

Y1-735000-01: Weight [Documents]

Wheels

Y1-750000-01: Wheels [Documents]

Wind Tunnels and Testing Facilities

Y1-800000-01: Wind Tunnels and Testing Facilities, General [Documents]

Y1-800000-02: Wind Tunnels and Testing Facilities, General [Documents]

Y1-800000-03: Wind Tunnels and Testing Facilities, General [Documents]

Y1-800000-04: Wind Tunnels and Testing Facilities, General [Documents]

Y1-800000-80: Wind Tunnels and Testing Facilities, General [Photos]

Y1-800000-81: Wind Tunnels and Testing Facilities, General [Photos]

Y1-800000-90: Wind Tunnels and Testing Facilities, General [Transparencies]

Y1-810000-80: Wind Tunnel and Test Apparatus, Wright Brothers [Photos]

Y1-810100-01: Wind Tunnel and Test Apparatus, Wright Brothers, Replicas [Documents]

Y1-810100-80: Wind Tunnel and Test Apparatus, Wright Brothers, Replicas [Photos]

Y1-810140-01: Wind Tunnels, Aberdeen Proving Ground [Documents]

Y1-810140-80: Wind Tunnels, Aberdeen Proving Ground [Photos]

Y1-810150-01: Wind Tunnels, Ames Research Center (ARC) [Documents]

Y1-810150-80: Wind Tunnels, Ames Research Center (ARC) [Photos]

Y1-810150-90: Wind Tunnels, Ames Research Center (ARC) [Transparencies]

Y1-810200-01: Wind Tunnels, Arnold Engineering Development Center (AEDC) [Documents]

Y1-810200-02: Wind Tunnels, Arnold Engineering Development Center (AEDC) [Documents]

Y1-810200-80: Wind Tunnels, Arnold Engineering Development Center (AEDC) [Photos]

Y1-810275-01: Wind Tunnels, Australia [Documents]

Y1-810280-01: Wind Tunnels, Avco [Documents]

Y1-810350-01: Wind Tunnels, Boeing [Documents]

Y1-810350-80: Wind Tunnels, Boeing [Photos]

Y1-810375-80: Wind Tunnels, Bureau of Standards [Photos]

Y1-810400-01: Wind Tunnels, California Institute of Technology (Caltech)
[Documents]

Y1-810400-80: Wind Tunnels, California Institute of Technology (Caltech) [Photos]

Y1-810415-01: Wind Tunnels, Chance-Vought [Documents]

Y1-810415-80: Wind Tunnels, Chance-Vought [Photos]

Y1-810420-01: Wind Tunnels, China [Documents]

Y1-810422-01: Wind Tunnels, Comet Model Airplane & Supply [Documents]

Y1-810423-01: Wind Tunnels, Cornell [Documents]

Y1-810423-80: Wind Tunnels, Cornell [Photos]

Y1-810425-80: Wind Tunnels, Curtiss-Wright [Photos]

Y1-810450-01: Wind Tunnels, Douglas [Documents]

Y1-810450-80: Wind Tunnels, Douglas [Photos]

Y1-810500-01: Wind Tunnels, Europe [Documents]

Y1-810500-02: Wind Tunnels, Europe [Documents]

Y1-810505-01: Wind Tunnels, Edwards Air Force Base [Documents]

Y1-810525-80: Wind Tunnels, Fairchild [Photos]

Y1-810550-80: Wind Tunnels, General Dynamics [Photos]

Y1-810555-01: Wind Tunnels, General Electric [Documents]

Y1-810555-80: Wind Tunnels, General Electric [Photos]

Y1-810562-80: Wind Tunnels, Germany [Photos]

Y1-810575-01: Wind Tunnels, Goodyear [Documents]

Y1-810575-80: Wind Tunnels, Goodyear [Photos]

Y1-810600-80: Wind Tunnels, Grumman [Photos]

Y1-810650-01: Wind Tunnels, Italy [Documents]

Y1-810750-01: Wind Tunnels, John H. Glenn Research Center / NACA Altitude Wind Tunnel (Aircraft Engine Research Laboratory, Flight Propulsion Research Laboratory, Lewis Flight Propulsion Laboratory, NASA Lewis Research Center) [Documents]

Y1-810750-02: Wind Tunnels, John H. Glenn Research Center / NACA Altitude Wind Tunnel (Aircraft Engine Research Laboratory, Flight Propulsion Research Laboratory, Lewis Flight Propulsion Laboratory, NASA Lewis Research Center) [Documents]

Y1-810750-80: Wind Tunnels, John H. Glenn Research Center / NACA Altitude Wind Tunnel (Aircraft Engine Research Laboratory, Flight Propulsion Research Laboratory, Lewis Flight Propulsion Laboratory, NASA Lewis Research Center) [Photos]

Y1-810750-81: Wind Tunnels, John H. Glenn Research Center / NACA Altitude Wind Tunnel (Aircraft Engine Research Laboratory, Flight Propulsion Research Laboratory, Lewis Flight Propulsion Laboratory, NASA Lewis Research Center) [Photos]

Y1-820000-01: Wind Tunnels, Langley Research Center (LaRC), General [Documents]

Y1-820000-02: Wind Tunnels, Langley Research Center (LaRC), General [Documents]

Y1-820000-80: Wind Tunnels, Langley Research Center (LaRC), General [Photos]

Y1-820050-01: Wind Tunnels, Langley Research Center (LaRC), Atmospheric Range [Documents]

Y1-820050-80: Wind Tunnels, Langley Research Center (LaRC), Atmospheric Range [Photos]

Y1-820100-80: Wind Tunnels, Langley Research Center (LaRC), 2 Foot Hypersonic [Photos]

Y1-820200-80: Wind Tunnels, Langley Research Center (LaRC), 4 by 4 Foot Supersonic Pressure [Photos]

Y1-820300-01: Wind Tunnels, Langley Research Center (LaRC), 7 by 10 Foot Tunnels [Documents]

Y1-820300-80: Wind Tunnels, Langley Research Center (LaRC), 7 by 10 Foot Tunnels [Photos]

Y1-820400-80: Wind Tunnels, Langley Research Center (LaRC), 8 Foot High Speed Tunnel [Photos]

Y1-820500-80: Wind Tunnels, Langley Research Center (LaRC), 11 Inch Hypersonic [Photos]

Y1-820600-80: Wind Tunnels, Langley Research Center (LaRC), 12 Foot Low Speed [Photos]

Y1-820700-80: Wind Tunnels, Langley Research Center (LaRC), 16 Foot High Speed (HST) [Photos]

Y1-820800-80: Wind Tunnels, Langley Research Center (LaRC), 19 Foot Pressure [Photos]

Y1-820900-80: Wind Tunnels, Langley Research Center (LaRC), 20 Inch Hypersonic [Photos]

Y1-820925-80: Wind Tunnels, Langley Research Center (LaRC), 24 Inch Hypersonic [Photos]

Y1-821000-80: Wind Tunnels, Langley Research Center (LaRC), 26 Inch Transonic Blowdown [Photos]

Y1-821100-01: Wind Tunnels, Langley Research Center (LaRC), Free Flight Tunnels [Documents]

Y1-821100-80: Wind Tunnels, Langley Research Center (LaRC), Free Flight Tunnels [Photos]

Y1-821200-80: Wind Tunnels, Langley Research Center (LaRC), Full Scale Tunnel (FST) [Photos]

Y1-821300-80: Wind Tunnels, Langley Research Center (LaRC), Number 1 Atmospheric Wind Tunnel (AWT) [Photos]

Y1-821350-01: Wind Tunnels, Langley Research Center (LaRC), Number 2 Variable Density Tunnel (VDT) [Documents]

Y1-821350-80: Wind Tunnels, Langley Research Center (LaRC), Number 2 Variable Density Tunnel (VDT) [Photos]

Y1-821400-80: Wind Tunnels, Langley Research Center (LaRC), Number 3 Propeller Research Tunnel (PRT) [Photos]

Y1-821500-80: Wind Tunnels, Langley Research Center (LaRC), Unitary Plan Supersonic Tunnel [Photos]

Y1-821600-01: Wind Tunnels, Langley Research Center (LaRC), Vertical and Spin Tunnels [Documents]

Y1-821600-80: Wind Tunnels, Langley Research Center (LaRC), Vertical and Spin Tunnels [Photos]

Y1-821625-01: Wind Tunnels, Lockheed [Documents]

Y1-821625-80: Wind Tunnels, Lockheed [Photos]

Y1-821650-01: Wind Tunnels, Massachusetts Institute of Technology (MIT) [Documents]

Y1-821650-80: Wind Tunnels, Massachusetts Institute of Technology (MIT) [Photos]

Y1-821665-80: Wind Tunnels, McDonnell [Photos]

Y1-821675-80: Wind Tunnels, National Academy of Sciences [Photos]

Y1-821680-01: Wind Tunnels, National Advisory Committee for Aeronautics (NACA), General [Documents]

Y1-821680-80: Wind Tunnels, National Advisory Committee for Aeronautics (NACA), General [Photos]

Y1-821690-80: Wind Tunnels, Naval Ordnance Laboratory (NOL) [Photos]

Y1-821695-80: Wind Tunnels, New York University [Photos]

Y1-821700-01: Wind Tunnels, North American [Documents]

Y1-821700-80: Wind Tunnels, North American [Photos]

Y1-821725-01: Wind Tunnels, Northrop [Documents]

Y1-821725-80: Wind Tunnels, Northrop [Photos]

Y1-821730-01: Wind Tunnels, Princeton University [Documents]

Y1-821750-80: Wind Tunnels, Republic [Photos]

Y1-821775-80: Wind Tunnels, Royal Aircraft Establishment [Photos]

Y1-821800-01: Wind Tunnels, Southern California Cooperative [Documents]

Y1-821800-02: Wind Tunnels, Southern California Cooperative [Documents]

Y1-821800-80: Wind Tunnels, Southern California Cooperative [Photos]

Y1-821817-01: Wind Tunnels, Stanford University [Documents]

Y1-821825-80: Wind Tunnels, Texas A&M University [Photos]

Y1-821850-01: Wind Tunnels, United Aircraft [Documents]

Y1-821850-80: Wind Tunnels, United Aircraft [Photos]

Y1-821875-01: Wind Tunnels, United Kingdom [Documents]

Y1-821900-01: Wind Tunnels, University of Maryland Glenn L. Martin [Documents]

Y1-821900-80: Wind Tunnels, University of Maryland Glenn L. Martin [Photos]

Y1-821910-80: Wind Tunnels, University of Minnesota [Photos]

Y1-821925-01: Wind Tunnels, University of Southern California [Documents]

Y1-821950-80: Wind Tunnels, University of Washington [Photos]

Y1-821975-01: Wind Tunnels, Westinghouse [Documents]

Y1-822000-01: Wind Tunnels, Wright Field [Documents]

Y1-810500-80: Wind Tunnels, Europe [Photos]

Y1-822000-80: Wind Tunnels, Wright Field [Photos]

Windshield

Y1-880000-01: Windshield [Documents]

Y1-880000-80: Windshield [Photos]

Wings

Y1-900000-01: Wings, General [Documents]

Y1-900000-02: Wings, General [Documents]

Y1-900000-03: Wings, General [Documents]

Y1-900000-04: Wings, General [Documents]

Y1-900000-05: Wings, General [Documents]

Y1-900000-80: Wings, General [Photos]

Y1-901000-01: Wings, Ailerons and Flaps [Documents]

Y1-901000-80: Wings, Ailerons and Flaps [Photos]

Y1-909000-01: Wings, Winglets [Documents]

Y1-909000-80: Wings, Winglets [Photos]

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Series Y2: Miscellaneous, Navigation

Navigation, Cartography

Y2-185000-01: Navigation, Cartography [Documents]

Navigation, General

Y2-000100-01: Navigation, General [Documents]

Y2-000100-02: Navigation, General [Documents]

Y2-000100-80: Navigation, General [Photos]

Y2-100000-01: Navigation, Weather [Documents]

Y2-100000-80: Navigation, Weather [Photos]

Navigation, History

Y2-200000-01: History, General [Documents]

Navigation, Methods

Y2-301000-00: General (Practical) [Documents]

Y2-301100-NF: General (Practical), Pre-1914 **[**No File**]**

Y2-3011947-01: General (Practical), 1946-1960, Soviet Union [Documents]

Y2-301914-01: General (Practical), 1914-1918 [Documents]

Y2-301918-01: General (Practical), 1918-1939 [Documents]

Y2-301918-02: General (Practical), 1918-1939 [Documents]

Y2-301940-01: General (Practical), 1940-1945 [Documents]

Y2-301940-02: General (Practical), 1940-1945 [Documents]

Y2-301946-01: General (Practical), 1946-1960 [Documents]

Y2-301946-02: General (Practical), 1946-1960 [Documents]

Y2-301946-03: General (Practical), 1946-1960 [Documents]

Y2-301960-01: General (Practical), 1960-2000 [Documents]

Y2-302001-NF: General (Practical), 2001-present [**No File**]

Y2-305000-01: Area Navigation (RNAV) [Documents]

Y2-306000-01: Air Marking [Documents]

Y2-308000-01: Blind Flight [Documents]

Y2-308000-02: Blind Flight [Documents]

Y2-308000-03: Blind Flight [Documents]

Y2-312000-01: Celestial Navigation [Documents]

Y2-316000-01: Dead Reckoning [Documents]

Y2-316000-02: Dead Reckoning [Documents]

Y2-316000-80: Dead Reckoning [Photos]

Y2-324000-00: Fog Flight (See: Blind Flight) [Cross-reference]

Y2-336000-00: Instrument Flight (See: Blind Flight) [Cross-reference]

Y2-364000-01: Pressure Navigation [Documents]

Y2-369000-01: Radar Navigation [Documents]

Y2-369000-02: Radar Navigation [Documents]

Y2-370000-01: Radio Navigation [Documents]

Y2-370000-02: Radio Navigation [Documents]

Y2-370000-03: Radio Navigation [Documents]

Y2-374000-01: Space Navigation, General [Documents]

Y2-374000-02: Space Navigation, General [Documents]

Y2-374000-03: Space Navigation, General [Documents]

Y2-374000-04: Space Navigation, General [Documents]

Y2-374000-05: Space Navigation, General [Documents]

Y2-374100-01: Space Navigation, Earth to Moon [Documents]

Y2-374200-01: Space Navigation, Interplanetary and Interstellar [Documents]

Y2-374500-01: Space Navigation, Reports [Documents]

Y2-374500-02: Space Navigation, Reports [Documents]

Y2-380500-01: Tables [Documents]

Y2-380500-02: Tables [Documents]

Navigation, Methods of Landing (Landing Systems)

Y2-400000-01: Landing Systems, General [Documents]

Y2-400000-80: Landing Systems, General [Photos]

Y2-404100-01: Air Track Radio Safe Landing System [Documents]

Y2-404100-80: Air Track Radio Safe Landing System [Photos]

Y2-404200-01: All-Weather Landing System (AWLS) [Documents]

Y2-404300-01: Autoland (UK) [Documents]

Y2-404400-01: Automated Pilot Advisory System [Documents]

Y2-404500-01: Automatic Landing Systems, General [Documents]

Y2-404500-80: Automatic Landing Systems, General [Photos]

Notes: As of 1/14/2005, folder contains one photograph relating to Microwave Landing System (MLS).

Y2-404500-81: Automatic Landing Systems, General [Photos]

Y2-404510-01: Automatic Landing System, AN/GSN-5A [Documents]

Y2-404520-01: Automatic Landing System (ALS), Bell Aircraft [Documents]

Y2-404550-01: Automatic Landing System, FAA Category II Certification [Documents]

Y2-404580-01: Automatic Landing System, United Air Lines [Documents]

Y2-404600-80: Automatic Landing System, US Army Air Corps (1937) [Photos]

Y2-408000-01: Blind Approach Landing Systems, 1930s [Documents]

Y2-408000-02: Blind Approach Landing Systems, 1930s [Documents]

Y2-408010-01: Blind Approach Landing Systems, 1940s [Documents]

Y2-424000-00: FLARESCAN See: All-Weather Landing System (AWLS) [Cross-reference]

Y2-428000-01: Ground Controlled Approach (GCA) [Documents]

Y2-428000-80: Ground Controlled Approach (GCA) [Photos]

Y2-436000-01: Instrument Landing Systems (ILS), General [Documents]

Y2-436000-80: Instrument Landing Systems (ILS), General [Photos]

Y2-437000-01: Integrated Landing System [Documents]

Y2-448000-01: Lorenz System [Documents]

Y2-448000-02: Lorenz System [Documents]

Y2-452000-01: Microvision [Documents]

Y2-452500-00: Microwave Landing System (MLS) See: Automatic Landing Systems, General [Cross-reference]

Y2-474000-01: Simplified Aircraft Instrument Landing System (SAILS) [Documents]

Y2-484000-01: US Navy Automatic Carrier Landing System (ACLS) [Documents]

Y2-488000-01: Visual Light Landing Systems [Documents]

Y2-488000-80: Visual Light Landing Systems [Photos]

Navigation, Navigation Systems

Y2-500000-01: General [Documents]

Y2-504210-01: Aircraft Direction Finding, Radio (Cathode Ray Tube) [Documents]

Y2-504250-01: Aircraft Direction Finding, Microwave [Documents]

Y2-516100-01: Decca [Documents]

Y2-516100-80: Decca [Photos]

Y2-536010-80: IBM "Glass Globe" Display [Photos]

Y2-536100-01: Inertial Guidance Systems [Documents]

Y2-536100-02: Inertial Guidance Systems [Documents]

Y2-536100-03: Inertial Guidance Systems [Documents]

Y2-536100-04: Inertial Guidance Systems [Documents]

Y2-536100-05: Inertial Guidance Systems [Documents]

Y2-536100-06: Inertial Guidance Systems [Documents]

Y2-536150-01: Inertial Guidance Systems, Autonetics [Documents]

Y2-536400-01: Inertial Navigation System (INS), General [Documents]

Y2-536420-NF: Inertial Navigation System (INS), Conventional [**No File**]

Y2-536480-NF: Inertial Navigation System (INS), Strapdown [**No File**]

Y2-536700-NF: Integrated Navigation System [**No File**]

Y2-548100-01: LANAC (Hazeltine) [Documents]

Y2-548500-01: Long-Range Navigation (LORAN, LORAN-C) [Documents]

Y2-556100-01: NAVAR (Navaglobe, Navascope) [Documents]

Y2-556100-80: NAVAR (Navaglobe, Navascope) [Photos]

Y2-556500-NF: Non-Directional Beacon (NDB) [**No File**]

Y2-560500-NF: OMEGA [**No File**]

Y2-560510-00: Omni-Bearing Distance Navigation See: VOR [Cross-reference]

Y2-560520-01: Omnidirectional Radio Range [Documents]

Y2-570600-NF: Ring-Laser Gyro (RLG) [**No File**]

Y2-572000-01: Short-Range Navigation (SHORAN) [Documents]

Y2-572000-02: Short-Range Navigation (SHORAN) [Documents]

Y2-572000-03: Short-Range Navigation (SHORAN) [Documents]

Y2-574000-01: Space-Based Navigation Systems, General [Documents]

Y2-574200-01: Space-Based Navigation Systems, GPS (Global Positioning System) [Documents]

Y2-580040-01: TACAN (Tactical Omni-Bearing Distance System) [Documents]

Y2-580040-02: TACAN (Tactical Omni-Bearing Distance System) [Documents]

Y2-580070-80: TARAN (Hughes) [Photos]

Y2-580120-01: TCAS and TCAS II (Traffic Alert and Collision Avoidance System) [Documents]

Y2-580120-02: TCAS and TCAS II (Traffic Alert and Collision Avoidance System) [Documents]

Y2-580200-01: Teleran (Television/Radar) [Documents]

Y2-585000-01: UNS-1 Flight Management System (FMS) [Documents]

Y2-588600-01: VOR (VHF Omnidirectional Range System) [Documents]

Y2-588600-80: VOR (VHF Omnidirectional Range System) [Photos]

Y2-588610-01: VOR/DME (VHF Omnidirectional Range System / Distance Measuring Equipment) [Documents]

Y2-588610-80: VOR/DME (VHF Omnidirectional Range System / Distance Measuring Equipment) [Photos]

Y2-588620-01: VORTAC (TACAN co-located with VOR) [Documents]

Y2-592500-01: Weems [Documents]

Y2-592500-02: Weems [Documents]

Y2-592500-03: Weems [Documents]

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Series Y3: Miscellaneous, Operations

Aerial Refueling

Y3-100000-00: Aerial Refueling [Bibliographies]

Y3-100000-01: Aerial Refueling [Documents]

Y3-100000-02: Aerial Refueling [Documents]

Y3-100000-03: Aerial Refueling [Documents]

Y3-100000-80: Aerial Refueling [Photos]

Y3-100000-85: Aerial Refueling [Negatives]

Y3-100000-90: Aerial Refueling [Transparencies]

Reclamation and Salvage

Y3-700000-01: Reclamation and Salvage [Documents]

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Series Y4: Miscellaneous, Photography

Applications

Y4-200100-01: Applications, General [Documents]

Y4-200200-01: Applications, Agriculture [Documents]

Y4-200400-01: Applications, Geology [Documents]

Y4-200500-01: Applications, Military [Documents]

Y4-200500-02: Applications, Military [Documents]

Y4-200500-03: Applications, Military [Documents]

Y4-200500-04: Applications, Military [Documents]

Y4-200500-80: Applications, Military [Photos]

Y4-200500-85: Applications, Military [Negatives]

Y4-200600-01: Applications, Photogrammetry [Documents]

Y4-200600-02: Applications, Photogrammetry [Documents]

Y4-200600-03: Applications, Photogrammetry [Documents]

Corporations

Y4-500100-01: Corporations, General [Documents]

Y4-500180-01: Corporations, Abrams Aerial Survey [Documents]

Y4-500185-01: Corporations, Aero Scenic Airviews [Documents]

Y4-500190-01: Corporations, Aerograph Company of America [Documents]

Y4-500200-01: Corporations, Aeroplane Photo Supply [Documents]

Y4-500220-01: Corporations, L'Aerotopographie [Documents]

Y4-500230-01: Corporations, Aiglou Aerial Photos [Documents]

Y4-500270-01: Corporations, Bausch & Lomb [Documents]

Y4-500285-01: Corporations, CAI [Documents]

Y4-500300-01: Corporations, Edgar Tobin Aerial Surveys [Documents]

Y4-500320-01: Corporations, Fairchild [Documents]

Y4-500330-01: Corporations, Gallus-Ferber [Documents]

Y4-500340-01: Corporations, Graflex [Documents]

Y4-500400-01: Corporations, Hasselblad [Documents]

Y4-500425-01: Corporations, Itek [Documents]

Y4-500450-01: Corporations, Kodak [Documents]

Y4-500500-01: Corporations, Litton [Documents]

Y4-500500-80: Corporations, Litton [Photos]

Y4-500900-01: Corporations, Wild [Documents]

Y4-500950-01: Corporations, Williamson [Documents]

Y4-500975-01: Corporations, Zeiss [Documents]

Equipment

Y4-400100-01: Equipment, General [Documents]

Y4-400100-02: Equipment, General [Documents]

Y4-400100-80: Equipment, General [Photos]

Y4-400200-01: Equipment, Cameras, General [Documents]

Y4-400200-80: Equipment, Cameras, General [Photos]

Y4-400205-01: Equipment, Cameras, Military [Documents]

Y4-400205-02: Equipment, Cameras, Military [Documents]

Y4-400205-80: Equipment, Cameras, Military [Photos]

Y4-400205-85: Equipment, Cameras, Military [Negatives]

Y4-400210-01: Equipment, Cameras, Space [Documents]

Y4-400210-80: Equipment, Cameras, Space [Photos]

Y4-400220-01: Equipment, Cameras, Type K-27 [Documents]

Y4-400290-01: Equipment, Camera Helmets [Documents]

Y4-400300-01: Equipment, Camera Mounts [Documents]

Y4-400350-01: Equipment, Enlargers [Documents]

Y4-400375-01: Equipment, Film [Documents]

Y4-400450-01: Equipment, Lenses [Documents]

Y4-400500-NF: Equipment, Types, Fairchild K-17 **[**No File**]**

History

Y4-000100-01: History, General [Documents]

Y4-000100-02: History, General [Documents]

Y4-100200-01: History, Pre-1900 [Documents]

Y4-100300-01: History, 1900-1999 [Documents]

Methods and Techniques

Y4-300100-01: Methods and Techniques, General [Documents]

Y4-300100-02: Methods and Techniques, General [Documents]

Y4-300200-01: Methods and Techniques, Balloons [Documents]

Y4-300250-01: Methods and Techniques, Gun and Bomb Cameras [Documents]

Y4-300250-02: Methods and Techniques, Gun and Bomb Cameras [Documents]

Y4-300250-80: Methods and Techniques, Gun and Bomb Cameras [Photos]

Y4-300300-01: Methods and Techniques, Interpretation [Documents]

Y4-300300-02: Methods and Techniques, Interpretation [Documents]

Y4-300300-03: Methods and Techniques, Interpretation [Documents]

Y4-300300-80: Methods and Techniques, Interpretation [Photos]

Y4-300400-01: Methods and Techniques, Kites [Documents]

Y4-300600-01: Methods and Techniques, Pigeons [Documents]

Y4-300600-80: Methods and Techniques, Pigeons [Photos]

Y4-300700-01: Methods and Techniques, Processing [Documents]

Y4-300725-01: Methods and Techniques, Rockets [Documents]

Y4-300750-01: Methods and Techniques, Spark Photography and Schlieren
Photography [Documents]

Y4-300750-80: Methods and Techniques, Spark Photography and Schlieren
Photography [Photos]

Y4-300800-01: Methods and Techniques, Training [Documents]

Photographers

Y4-600100-01: Photographers, General [Documents]

Y4-600100-80: Photographers, General [Photos]

Y4-600100-85: Photographers, General [Negatives]

Y4-600500-80: Hoit, Richard B. [Photos]

Types of Images

Y4-700100-NF: Types of Images, General [**No File**]

Y4-700200-01: Types of Images, Aerial Photography [Documents]

Y4-700200-02: Types of Images, Aerial Photography [Documents]

Y4-700200-03: Types of Images, Aerial Photography [Documents]

Y4-700200-04: Types of Images, Aerial Photography [Documents]

Y4-700200-80: Types of Images, Aerial Photography [Photos]

Y4-700200-85: Types of Images, Aerial Photography [Negatives]

Y4-700200-O2: Types of Images, Aerial Photography [Oversize]

Notes: Photocopy of the plot of a reconnaissance mission, consists of very poor photocopy of a map showing 39 rectangles over a large land area, presumably showing the location of the reconnaissance photography coverage. The map is labeled on the lower right corner: "4th Corps Obs. Group, Photo Section No. 4, 8th Sq., Reconnaissance of 25-918, Photo Nos. B1063-B1102."

Y4-700200-OS: Types of Images, Aerial Photography [Oversize]

Notes: 10.5 x 11 inch black, white and blue, spiral bound book on precision photography called, "The Aerial Precision Camera: Made to Meet the Exacting Requirements of Precision Photography" The book, produced by Mark Hurd Air Mapping Corp, features historical and how-to information on the Mark Hurd Aerial Precision Camera. Book cover is yellowed overall and is greatly damaged along the edges.

Y4-700700-01: Types of Images, Space Photography [Documents]

Y4-700700-02: Types of Images, Space Photography [Documents]

Y4-700700-03: Types of Images, Space Photography [Documents]

Y4-700700-04: Types of Images, Space Photography [Documents]

Y4-700700-80: Types of Images, Space Photography [Photos]

Y4-700800-01: Types of Images, Earth from Space [Documents]

Y4-700800-02: Types of Images, Earth from Space [Documents]

Y4-700800-03: Types of Images, Earth from Space [Documents]

Y4-700800-80: Types of Images, Earth from Space [Photos]

Y4-700800-81: Types of Images, Earth from Space [Photos]

Y4-700800-OS: Types of Images, Earth from Space [Oversize]

Notes: 15.75 x 19.75 inch color photograph, aerial view of downtown Washington D.C. including the National Mall, Capital, White House, and Pentagon. Image taken by IKONOS satellite, produced by the US Naval Space Command, 29 August 2000.

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