

Design and Fabrication Services Records - DFS

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National Center for Atmospheric Research (NCAR) Archives

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Summary Information

Repository:	National Center for Atmospheric Research (NCAR) Archives
Title:	Design and Fabrication Services Records
ID:	- DFS
Date [inclusive]:	1957-2003
Date [bulk]:	bulk
Physical Description:	3 Linear Feet
Language of the Material:	English

Preferred Citation

[Item cited], [Title of collection], [Folder title], Archives, National Center for Atmospheric Research.

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Biographical / Historical

The Design and Fabrication Services (DFS) is a division of NCAR's Earth Observing Laboratory (EOL). Through working closely with scientists and engineers, DFS both designs and creates innovative engineering solutions for the atmospheric research community.

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Scope and Contents

The Design and Fabrication Services Records consists of historical UCAR institutional policy and procedure manuals, a wide range of engineering, drafting, and equipment user manuals, advisory panel meeting materials, memoranda, and engineering drawings from the 1990s.

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Arrangement

Arrangement is by material type. Folders are arranged alphabetically within each series. This collection is housed in three record cartons, with the exception of oversized items which are housed in a separate location. This collection is arranged into the following six series: I. Advisory Panels and Reviews II. Engineering Drawings III. Manuals IV. Miscellaneous V. Planning VI. Policies and Procedures

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Administrative Information

Publication Statement

National Center for Atmospheric Research (NCAR) Archives

Conditions Governing Access

The collection must be viewed in the Archives during normal business hours.

Conditions Governing Use

Not all of the material in the collection is in the public domain. Researchers are responsible for addressing copyright issues.

Custodial History

This collection was donated by Karl Schwenz, DFS Machine Shop Supervisor in 2014. Most of the content donated belonged to DFS Manager, H. Paul Johnson.

Processing Information

The collection was processed in April 2015. Materials were removed from three-ring binders and rehoused in acid free folders. Metal fasteners were removed from folded oversize documents and were flattened. Plastic comb binding and plastic covers were removed from handbooks. Original order of materials were kept. Records containing budget information were discarded. Publications available in the NCAR Library were removed from the collection.

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Controlled Access Headings

- Engineering -- Handbooks, manuals, etc.
- Engineering drawings

Collection Inventory

Advisory Panels and Reviews, (bulk)

Date [bulk]: bulk

Box 1

Material for ATD SPEC Review Panel Part I (1 of 2), 1989

Date [inclusive]: 1989

Material for ATD SPEC Review Panel Part I (2 of 2), 1989

Date [inclusive]: 1989

Material for ATD SPEC Review Panel Parts II and III (1 of 2),
1989

Date [inclusive]: 1989

Material for ATD SPEC Review Panel Parts II and III (2 of 2),
1989

Date [inclusive]: 1989

NSF Observing Facilities Advisory Panel (2 of 2), 1994

Date [inclusive]: 1994

NSF Observing Facilities Advisory Panel (1 of 2), 1994

Date [inclusive]: 1994

NSF Observing Facilities Advisory Panel Meeting (1 of 2), 1995

Date [inclusive]: 1995

NSF Observing Facilities Advisory Panel Meeting (2 of 2), 1995

Date [inclusive]: 1995

NSF Observing Facilities Advisory Panel Meeting Supplemental
Materials, 1995

Date [inclusive]: 1995

NSF Observing Facilities Advisory Panel Meeting (1 of 2),
1996-04

Date [inclusive]: 1996-04

NSF Observing Facilities Advisory Panel Meeting (2 of 2),
1996-04

Date [inclusive]: 1996-04

NSF Observing Facilities Advisory Panel Meeting (1 of 2),
1996-10

Date [inclusive]: 1996-10

NSF Observing Facilities Advisory Panel Meeting (2 of 2),
1996-10

Date [inclusive]: 1996-10

SPEC Memos, 1989

Date [inclusive]: 1989

Vaisala - NCAR Meeting, 2001

Date [inclusive]: 2001

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Engineering Drawings

Oversize, 1991-1997

Date [inclusive]: 1991-1997

Title/Description	Instances
C-Band Radar - Project 885, 1991-06 <u>Date [inclusive]:</u> 1991-06 <u>Physical Description:</u> 2 Items 2 Drawings	
TDLAS - Project 903, 1993-06 <u>Date [inclusive]:</u> 1993-06 <u>Physical Description:</u> 19 Items 19 Drawings	
HelioStat - Project 926, 1994-08 <u>Date [inclusive]:</u> 1994-08 <u>Physical Description:</u> 38 Items 38 Drawings	
Radiometer Platform - Project 821, 1991-03 <u>Date [inclusive]:</u> 1991-03 <u>Physical Description:</u> 11 Items 11 Drawings	
Shrouded Inlet - Project 927, 1995-07	

Date [inclusive]: 1995-07

Physical Description: 1 Items 1 Drawing

High Res. Spectrometer - Project 889, 1994-06

Date [inclusive]: 1994-06

Physical Description: 4 Items 4 Drawings

Syringe Sampler - Project 910, 1993-09

Date [inclusive]: 1993-09

Physical Description: 39 Items 39 Drawings

ER-2/WB57 Cannister Rack - Project 936, 1995-11

Date [inclusive]: 1995-11

Physical Description: 1 Items 1 Drawing

WB-57 TDLAS - Project 938, 1996-05

Date [inclusive]: 1996-05

Physical Description: 89 Items 89 Drawings

Pointer Stand and Base - Job 338

Physical Description: 3 Items 3 Drawings

DC-8 Installation - Project 932, 1995-05

Date [inclusive]: 1995-05

Physical Description: 30 Items 30 Drawings

NOy Inlet - Project 942, 1996-03

Date [inclusive]: 1996-03

Physical Description: 2 Items 2 Drawings

WB-57 Mass Spec - Project 946, 1996-04-1997-01

Date [inclusive]: 1996-04-1997-01

Physical Description: 18 Items 18 Drawings

Aluminum Shadowband - Job 262

Physical Description: 2 Items 2 Drawings

Sunshade - Project 952, 1996-08

Date [inclusive]: 1996-08

Physical Description: 1 Items 1 Drawing

Bi-Net II Antenna - Project 952, 1996-08

Date [inclusive]: 1996-08

Physical Description: 22 Items 22 Drawings

C-130 Installation - Project 931, 1995-10

Date [inclusive]: 1995-10

Physical Description: 1 Items 1 Drawing

Bruker FTIR Alignment Tool - Project 957, 1996-09

Date [inclusive]: 1996-09

Physical Description: 8 Items 8 Drawings

4-Channel Ozone Analyzer - Project 930, 1995-03

Date [inclusive]: 1995-03

Physical Description: 3 Items 3 Drawings

Sabl Modifications - Project 939, 1996-02

Date [inclusive]: 1996-02

Physical Description: 35 Items 35 Drawings

Woods Rocket Pumpout - Project 961, 1996-11

Date [inclusive]: 1996-11

Physical Description: 2 Items 2 Drawings

External Filter Sampler II - Project 963, 1997-05

Date [inclusive]: 1997-05

Physical Description: 28 Items 28 Drawings

Astraia Drive Shaft, 1991-05-1992-01

Date [inclusive]: 1991-05-1992-01

Physical Description: 1 Items 1 Drawing

Astraia Radar Base, 1991-05-1992-01

Date [inclusive]: 1991-05-1992-01

Physical Description: 1 Items 1 Drawing

Box 3

Microfilm

Title/Description

Instances

Eng. Drawings Roll 1

Physical Description: 1 Items 244 Mount Assembly thru 284
Radar Azimuth Revolver Microfilm

Eng. Drawings Roll 2

Physical Description: 1 Items 285 Helical Scan Radar thru
342 Flore Gun Release Microfilm

Eng. Drawings Roll 3

Physical Description: 1 Items 343 Counting Sensor Mast.
thru Proj. 175-00-200 (C Size) 163-175 Microfilm

Eng. Drawings Roll 4

Physical Description: 1 Items No. 1,000 D Size (163-175)
thru 243 Radar Scope Camera Microfilm

Eng. Drawings Roll 5

Physical Description: 1 Items Project 301 - Photometer thru
Project 143 00-001 Microfilm

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Manuals

Box 2

American Drafting Standards Manual, 1957

Date [inclusive]: 1957

The AutoCAD Drafting Package User Reference, 1986

Date [inclusive]: 1986

Cognition Advantage CAD/CAM - AX 4000 Version 3.1 User
Manual (1 of 3), 1985-1990

Date [inclusive]: 1985-1990

General

Folder contains four 3 1/2 inch floppy disks for version
3.2a revisions

Cognition Advantage CAD/CAM - AX 4000 Version 3.1 User
Manual (2 of 3), 1985-1990

Date [inclusive]: 1985-1990

Cognition Advantage CAD/CAM - AX 4000 Version 3.1 User
Manual (3 of 3), 1985-1990

Date [inclusive]: 1985-1990

CP-4 Radar Antenna Control System, 1976

Date [inclusive]: 1976

CP-4 Radar Antenna, Pedestal, and Trailer, 1976

Date [inclusive]: 1976

CP-4 Radar Drawing Package , 1976

Date [inclusive]: 1976

Cryogenic Materials Data Handbook Volume I (1 of 3), 1970

Date [inclusive]: 1970

Cryogenic Materials Data Handbook Volume I (2 of 3), 1970

Date [inclusive]: 1970

Cryogenic Materials Data Handbook Volume I (3 of 3), 1970

Date [inclusive]: 1970

Cryogenic Materials Data Handbook Volume II (1 of 2), 1970

Date [inclusive]: 1970

Cryogenic Materials Data Handbook Volume II (2 of 2) , 1970

Date [inclusive]: 1970

Dimensioning and Tolerancing for Engineering Drawings, 1966

Date [inclusive]: 1966

Electrical and Electronic Diagrams, 1966

Date [inclusive]: 1966

Fluid Power Diagrams, 1966

Date [inclusive]: 1966

General Electric Fluid Flow Data Book, 1980

Date [inclusive]: 1980

General Electric Heat Transfer Data Book (1 of 2), 1980

Date [inclusive]: 1980

General Electric Heat Transfer Data Book (2 of 2) , 1980

Date [inclusive]: 1980

H. Paul Johnson Notes for CP5 Radar, 1989-1991

Date [inclusive]: 1989-1991

Military Specification Drawings, Engineering, and Associated
Lists , 1961-1983

Date [inclusive]: 1961-1983

Box 3

Modern Drafting Practices and Standards Manual (1 of 2), 1978

Date [inclusive]: 1978

Modern Drafting Practices and Standards Manual (2 of 2), 1978

Date [inclusive]: 1978

NCAR Accounting Manual, 1988

Date [inclusive]: 1988

Part Three Pedestal MP-61-(*)

Space Materials Handbook - Third Edition, 1968

Date [inclusive]: 1968

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Miscellaneous

Box 3

Flight Summary Report for Flight T-121, 2002

Date [inclusive]: 2002

Small Ballooning Workshop, 2003

Date [inclusive]: 2003

User Questionnaires Sent to RAF Users, July 1988, 1988-1989

Date [inclusive]: 1988-1989

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Planning

Box 3

ATD Planning Retreat, 1994

Date [inclusive]: 1994

H. Paul Johnson ATD Mini-Retreat, 1993

Date [inclusive]: 1993

Program Plan FY 1988 - 1992, 1987

Date [inclusive]: 1987

Program Plan FY 1990 - 1994, 1989

Date [inclusive]: 1989

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Policies and Procedures

Box 3

UCAR Manual (1 of 2), 1979

Date [inclusive]: 1979

UCAR Manual (2 of 2), 1979

Date [inclusive]: 1979

UCAR Policies and Procedures Manual, 1992

Date [inclusive]: 1992

UCAR Policy Manual, 1982

Date [inclusive]: 1982

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