

FINDING AID FOR THE CARL HUSS PAPERS, 1957-1999 (#2015-0010)

Contact Information

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Descriptive Summary

Repository (049): University Archives

Collection # (099): 2015-0010

Title (245): Carl Huss Papers

Creator (100/110): Carl Huss

Inclusive Dates: 1957-1999

Bulk Dates: 1966-1982

Extent (300): 15 linear feet (26 boxes)

Language (546): English

Administrative Information

Restrictions on Access (506): None

Restrictions on Use (540): None

Acquisition Information (541): Materials donated by Herb Kavanaugh in 2004 and Greg Linebaugh on December 22, 2009

Processed by (583): Erin Henry

Preferred Citation (524): Carl Huss Papers (#2015-0010), University of Houston-Clear Lake Archives.

Biographical/Historical Note (545)

Carl R. Huss joined the Mission Analysis Branch of the Langley Memorial Aeronautical Laboratory at NACA in 1959. His work involved trajectory analysis for the launch, orbit, and re-entry of the Mercury capsule, taking into account the evolving mission rules and constraints. This Section developed nominal and contingency trajectories and numerous abort conditions for different missions and determined the logic and equations for the computers.

As lead engineers for the Mercury Atlas orbital flights, Huss worked closely with John Mayer, Clay Hicks, Charlie Allen, Ted Skopinski, and John Maynard on the preliminary definition of the

mission planning process. Having specialized in planning the de-orbit maneuver, he became the first Retrofire Officer (RETRO) in the Mercury Control Center.

Later Huss moved with the Mission Analysis Branch to Houston and continued supporting the flights out of Cape Mercury Control Center. A mild heart attack shortly after Project Mercury was concluded with the MA-9 flight in May 1963 prompted Huss to move into management of the newly named Mission Analysis and Planning Division. In 1967 he became the Assistant Chief for Mission Design, a position that he held through the duration of the distinguished career. He received the NASA Outstanding Leadership Medal in 1981.

-Excerpt from The Birth of NASA: The Work of the Space Task Group, America's First True Space Pioneers by Dutch von Ehrenfried

Scope and Content (520)

The collection contains 26 boxes of materials pertaining to the work of Carl R. Huss from the period of 1957 - 1999. It consists of two donations, a collection of his papers brought over from Lone Star Flight Museum in 2004 and one donated directly to UHCL Archives in 2009. The collection includes newspaper articles, journal articles, photographs, memoranda, technical reports, and other materials.

Arrangement

Folders are arranged chronologically within 27 series, including but not limited to Gemini, Apollo, Viking, Mariner, Shuttle (Space Transportation System), and Skylab programs, and General Mission Planning, Federation Aéronautique Internationale, American Institute of Aeronautics, and Confederate Air Force.

Index Terms (6xx):

Personal Names

Huss, Carl R.

Corporate Names

United States. National Aeronautics and Space Administration

United States. National Advisory Committee for Aeronautics

Rockwell International

Confederate Air Force

Federation Aéronautique Internationale

American Institute of Aeronautics and Astronautics

Subjects

Project Apollo (U.S.)

Computer software—Development

Aviation

Places

Clear Lake (Tex.)

Hampton (Va.)

Document Types

Newspapers

Journals

Photographs

Memoranda

Technical reports

Items Separated

Items with an asterisk (*) in Box 26 have been moved to flat file and cross-listed on the Consolidated Posters Inventory.

Related Material (544)

Richard Boudreau Apollo Mission Techniques Documents, 1966-1967 (#2015-0009)

Gloria Wells Papers, 1961-2008 (#2016-0010)

Roger E. Bilstein Papers, 1950-2007 (#2008-0002)

John M. Eggleston Papers, 1946-1987 (#2010-0007)

Inventory

<u>Box</u>	<u>Folder</u>	<u>Title</u>	<u>Date</u>
		Series I: General Correspondence	
1	1	Correspondence between Carl Huss & Carl Hirsch regarding review of Hirsch's book	1967
	2	Correspondence between Carl Huss & Carrie Karegeannes regarding comments on NASA article	1983
		Series II: Gemini Program	
	3	Memoranda & Accompanying Documents	1970-1974
	4	MSC Internal Note No. 65-FM-?: A Decay Safe Mission Plan for the First Manned Gemini Flight (GT-3) (copy, incomplete title page)	Jan 13, 1965
	5	MSC Internal Note No. 65-FM-?: A Proposed Mission Plan for...the Fourth Gemini Flight (GT-?) (copy, incomplete title page)	Jan 5, 1965
	6	MSC Internal Note No.?: A Proposed Mission Plan for...(GT-3) Utilizing a Retrograde... (copy, incomplete title page)	Feb 9, 1965
	7	MSC Internal Note No. 65-FM-70: Preflight Rendezvous Exercise Mission Plan for the Second Manned Gemini Flight (GT-4)	May 27, 1965
	8	MSC Internal Note No. 65-FM-139: "Project Gemini Orbital Parameter Plots For Use in Mission Planning" by Charles E. Allday	Oct 15, 1965
	9	Partial radio interview of Carl R. Huss at New York radio station concerning Gemini 9	Undated
		Series III: Apollo Program	
	10-14	Memoranda & Accompanying Documents	1964-1967
2	1	Memoranda & Accompanying Documents	1967-1968
	2-6	Memoranda & Accompanying Documents	1968-1969
3	1-3	Memoranda & Accompanying Documents	1969
	4-5	Memoranda & Accompanying Documents	1970-81
	6	Catalog of Memoranda & Documents, Apollo	1966-1968
	7	Lists of Memoranda & Internal Notes, Apollo Mission F	1968-1969
	8	Catalog of Memoranda & Documents, Apollo	1971-1973
4	1-2	Mission Planning - AS-200 Series (2 folders)	1964-1966
	3	Mission Planning - Apollo Rendezvous	Undated
	4	Mission Objectives - Apollo 10-17	Undated
	5	NASA Project Apollo Working Paper No. 1005: "Preliminary Survey of Retrograde Velocities for Insertion into Low Lunar Altitude Orbits"	Dec 5, 1960
	6	NASA General Working Paper No. 10,020: "Directory of Station Locations for Use in Gemini and Apollo Planning Studies"	Feb 14, 1964
	7	MSC Internal Note No. 64-OM-2: Project Apollo Second-Variational Calculus of Variations Method	Mar 5, 1964

8	NASA General Working Paper No. 10,020A: "Directory of Station Locations for Use in Gemini and Apollo Planning Studies"	Feb 25, 1965
9	"Effort Expended on Apollo Mission AS-502" by Richard D. Nelson	1965-1968
10	MSC Internal Note No. 65-FM-169: "AS-201 Spacecraft Alternate Mission and Abort Trajectory"	Jan 17, 1966
11	MSC Internal Note No. 66-FM-28: "Entry Corridor Definition and SM/RCS Deorbit Requirements for Apollo Block I Earth Orbit Missions"	Mar 10, 1966
12	MSC Internal Note No. 66-FM-32: "Project Apollo- Estimation of Deorbit Parameters for Out-of-Plane Maneuvers and Bank-Angle Modulation"	Mar 23, 1966
13	MSC Internal Note No. 66-FM-57: "Apollo Spacecraft Parametric Deorbit Data for Near-Earth Orbits"	Jun 10, 1966
14	AS-504 Altitude Charts	July 10, 1968
15	TRW Working Paper: "Apollo Entry Corridor for Near- Earth Orbital Missions" by R.L. Morris	Apr 26, 1967
16	MSC Internal Note No. 68-FM-189: Translunar LM DPS for Advanced Lunar Missions by Gus R. Babb, Jr.	Aug 1, 1968
5	1 MSC Internal Note No. 68-FM-222: Preliminary Contingency Procedures for the Translunar Coast	Sept 11, 1968
	2 Apollo 8 Commentary	Dec 21, 1968
	3 MSC Internal Note No. 69-FM-162: Project Apollo Operational Abort Plan for Apollo 11 (Mission G)	Jun 13, 1969
	4 MSC Internal Note 01524: Apollo Mission Techniques Mission H-2 and Subsequent Contingency Procedures – Techniques Description, Final Issue	Feb 2, 1970
	5 NASA Technical Memorandum TM X-58040: Apollo Lunar Descent and Ascent Trajectories	Mar 1970
	6 MSc Internal Note No. 70-FM-76: Abort Planning for Apollo Missions	Apr 15, 1970
	7 MSC-01266 Revision I: "Apollo Program (Phase I Lunar Exploration) – Mission Definitions"	Aug 15, 1970
	8 NASA SP-287: "What Apollo a Success?"	1971
	9 JSC Internal Note No. 73-FM-82: "Chronological Summary of the Apollo Abort Working Group Activities"	May 17, 1973
	10 JSC Internal Note No. 73-FM-140: "Activities of the Apollo Flight Limits Subpanel"	Sept 28, 1973
	11 NASA TN D-7822: "Apollo Experience Report – The Role of Flight Mission Rules in Mission Preparation and Conduct" by Larry W. Keyser	Nov 1974
	12 NASA TN D-7920: "Apollo Experience Report – Spacecraft Relative Motion and Recontact Analysis" by Robert E. McAdams, et al.	Apr 1975
	13 "Spirit of Apollo: A Collection of Reflective Interviews", AIAA Houston Section	Jul 1989
	14 EP-66: "Apollo 8: Man Around the Moon"	Undated
	15 "Apollo Mission Planning" by C.C. Kraft, J.P. Mayer, C.R. Huss, & R.P. Parten	Undated
	16 Apollo 11 Staff Lists	Undated
	17 Apollo Mission Patch Images	Undated

6	1	Series IV: Mercury Atlas Memoranda & Accompanying Documents	1962
	2	Series V: Viking Program Memoranda & Accompanying Documents	1970
	3	Series VI: Mariner 9 Program Memoranda & Accompanying Documents	1973
7	4	Series VII: Shuttle Program (Space Transportation System) Memoranda & Accompanying Documents	1965-1968
	5	Memoranda & Accompanying Documents	1969-1970
	6-8	Memoranda & Accompanying Documents	1971
	9	Memoranda & Accompanying Documents	1972
	1-2	Memoranda & Accompanying Documents	1973
8	3	Memoranda & Accompanying Documents	1974
	4-5	Memoranda & Accompanying Documents	1977-1981
	6	Memoranda & Accompanying Documents	1983-1984
	1	Memoranda & Accompanying Documents	1984-1985
	2	Memoranda & Accompanying Documents	1989-1990
	3	Abort Region Determinator Module Feasibility Report, Mission Planning Analysis Division	Jan 1976
	4	Baseline Off Abort Plan	Oct 1977
	5	Memoranda & Accompanying Documents concerning Baseline Off Abort Plan	1977-1981
	6	MSC Internal Note No. 69-FM-226: Mission capabilities of MSC Shuttle	Aug 19, 1969
	7-8	STS Mission Planning Descriptions	1970-1982
9	9	MSC Internal Note No. 71-FM-82: Typical Shuttle Mission Profiles and Attitude Time Lines Volume IV- Four Shuttle Mission Profiles	Mar 1, 1971
	10	MSC Internal Note No. 72-FM-121: Shuttle Suborbital Vertical Flight Test-Applicability to Incremental Testing	Apr 28, 1972
	1	MSC Internal Note No. 72- FM-153: Candidate Orbital Mission for First Manned Vertical Flight Test of the Space Shuttle	Jun 20, 1972
	2	JSC Internal Notes No. 73-FM-173: Analysis of shuttle Payload Direct Injection with Suborbital Tank Staging for Due East Missions by John T. McNeely	Dec 18, 1973
	3	"Space Shuttle" (Booklet)	Feb 1975
	4	STS Flight Assignment Baseline	Feb 1, 1982
	5	Press kit for STS-1, STS-2, & STS-3	Mar 29, 1982
	6	STS-7 Information Packet, Rockwell International	1983
	7	Events Timeline Charts, STS-11 through STS-50	1984-1990
	8	"Early Shuttle Failure Launch Area Hazard" by R.L. Anderson & R.M. Blackstock	Nov 1984
	9	Report to the President by the Presidential Commission on the Space Shuttle Challenger Accident	Jun 1986-Jun 1987
	10	Space Shuttle Columbia Photos	Dec 8, 1999
11	Informational leaflets, "Space Shuttle" and "STS-4"	Nd	
12	JSC Internal Note No. 75-FM-79: Effects of L/D Variations on Orbiter Entry Performance	Dec 8, 1975	

	13	JSC Internal Note No. 76-FM-49: Orbital Flight Test Abort Region Determinator, Level B Formulation	Sept 23, 1976
	14	JSC Internal Note No. 76-FM-88: Orbital Flight Test Abort Region Determinator, Level C Formulation	Oct 4, 1976
	15	JSC Internal Note No. 76-FM-50, Rev 1: Mission Control Center Level B Requirements for Orbital Flight Test Missions – Abort Maneuver Evaluator and Contingency Maneuver Generator	Nov 24, 1976
	16	JSC Internal Note No. 76-FM-118: Delta Abort Region Determinator Level C Formulation Requirements	Dec 13, 1976
10	1	“First Shuttle Orbiter Free Flight Test” Press Kit	Aug 3, 1977
	2	“STS-1: First Space Shuttle Mission” Press Kit	Apr 1981
	3	“STS-2: Second Space Shuttle Mission” Press Kit	Sept 1981
	4	“STS-4: Fourth Space Shuttle Mission” Press Kit	Jun 1982
	5	STS-5 Press Information	October 1982
	6	STS-7 Operational Flight Profile – Profile Summary, Cycle 2	Feb 1983
	7	STS-13 Conceptual Flight Profile	Mar 1983
	8	STS-7 Press Information	Jun 1983
	9	STS-20 Conceptual Flight Profile – Profile Summary	Dec 1983
	10	Flight 41-D Operational Flight Profile – Profile Summary, Cycle 1A	Mar 1984
	11	STS-26 Challenger logo & launch manifest	1985
		Series VIII: Skylab Program	
	12	Catalog of technical notes, internal notes, and memoranda	1965-1973
	13	Skylab News Reference	Mar 1973
	14	Skylab Events, Second Manned Mission	Jul 1973
	15	Key Space Station Engineering Studies, Chronological Listing	Feb 5, 1986
		Series IX: General Mission Planning	
11	16	Memoranda & Accompanying Documents	1963-1969
	1	Memoranda & Accompanying Documents	1971-1984
	2	Memorandum: Presentation on “The Effect of Constraints on Lunar Mission Launch Windows”	Jul 18, 1967
	3	Memorandum: Solar Rotation	Mar 2, 1973
	4	NACA Research Memorandum RM L5I05: Effect of Formation on Load Factors Obtained on F2H Airplanes by Carl R. Huss & Harold Hamer	Dec 7, 1951
	5	NACA Research Memorandum RM L53D22: Preliminary Results from a Limited Investigation of the Use of Controls During Service Operational Training with Fighter Airplanes by Carl R. Huss, et. al.	Jun 16, 1953
	6	NACA Research Memorandum RM L54E18: Comparison of Normal Load Factors Experienced with Jet fighter Airplanes During Combat Operations with those of Flight Tests Conducted by the NACA During Operational Training by HA Hamer, CR Huss, and JP Mayer	Jul 7, 1954
	7	NACA Research Memorandum RM L54L16: Study of Some Effects of Structural Flexibility on the Longitudinal Motions and Loads as Obtained from	May 20, 1955

		Flight Measurements of a Swept-Wing Bomber by James J. Donegan and Carl R. Huss	
	8	NACA Technical Note 3897: Time Response to a Unit Impulse and its Application to Lightly Damped Linear Systems by James J. Donegan and Carl R. Huss	Dec 1956
	9	NACA Technical Note 3598: Method and Tables for Determining the Time response to a Unit Impulse from Frequency-Response Data and for Determining the Fourier Transform of a Function of Time by Carl R. Huss and James J. Donegan	Jan 1956
	10	NACA Technical Note 4073: Tables for the Numerical Determination of the Fourier-Transform of a Function of Time and the Inverse Fourier-Transform of a Function Frequency, with Some Applications to Operational Calculus Methods by Carl R. Huss & James J. Donegan	Oct 1957
	11	NACA Report 1324: Comparison of Several Methods for Obtaining the Time Response of Linear Systems to Either a Unit Impulse or Arbitrary Input From Frequency – Response Data by James J. Donegan and Carl R. Huss (2 copies)	1957
	12	NACA Technical Note 4250: Effect of the Proximity of the Wing First-Bending Frequency and the Short-Period Frequency on the Airplane Dynamic-response Factor by Carl R. Huss & James J. Donegan	Jun 1958
	13	NASA Technical Report R-122: Parameter Studies of Conditions for Lunar Missions Including Various Trajectory Considerations (plus advance copy)	1961
	14	Articles on Orbit & Trajectory	1961-1962
	15	NASA Technical Note D-1262: Statistical Study of Effects of Insertion Errors on Ascent Trajectories for Lunar Missions	May 1962
	16	NASA General Working Paper no. 10,005: Parametric Study of the Separation Distance and Velocity Between a Spacecraft and an Ejected Object	Mar 5, 1963
	17	NASA General Working Paper No. 10,009: A Compilation of Various Circular and Elliptical Orbits	Aug 16, 1963
12	1	NASA General Working Paper No. 10,019: A Rapid Geological Technique for Obtaining Radar Data Time History for Close Earth Orbits	Nov 25, 1963
	2	MSC Internal Note NO. 64-OM-10: Change in Velocity Magnitude and Direction Due to Applying an Incremental Velocity Instantaneously at Any Angle	Jun 10, 1964
	3	MSC Internal Note No. 65-FM-33: "Graphical Determination of Some Orbital Parameters, Part I: Orbits About the Earth" by Charles. E Allday	Mar 30, 1965
	4	MSC Internal Note No. 65-FM-45: "General Parametric Reentry Study for Near Earth Orbits"	April 29, 1965
	5	MSC Internal Note No. 65-FM-39: "Graphical Determination of Some Orbital Parameters, Part II: Orbits About the Earth (Apogees up to 40,000 n. mi.)" by Charles. E Allday	Sept 16, 1965
	6	NASA Technical Note D-3069: Separation Trajectory Characteristics Resulting From Separating Two Vehicles in Near-Earth Orbits (plus review copy)	Dec 1965

	7	MSC Internal Note No. 66-FM-4: "Graphical Determination of Some Orbital Parameters, Part III: 4 Orbits About the Earth (Apogees up to 400,000 n. mi.)" by Charles. E Allday	Jan 21, 1966
	8	MSC Internal Note No. 66-FM-5: "Graphical Determination of Some Orbital Parameters, Part IV: Orbits About the Earth (Apocynthion Altitudes Up To 1100 n. mi.)" by Charles. E Allday	Jan 24, 1966
	9	MSC Internal Note No. 66-FM-16: "Graphical Determination of Some Orbital Parameters, Part V: Orbits About the Earth (Apocynthion Altitudes Up To 35000 n. mi.)" by Charles. E Allday	Mar 2, 1966
	10	MSC Internal Note No. 66-FM-47: "General Parametric Reentry Study for Circular Earth Orbits Up To 20000 n. mi." by William R. Pruett	May 20, 1966
	11	MSC Internal Note No. 66-FM-79: "A Parametric Study of Central Angle of Travel and Time for Reentry from Near-Earth Orbits" by William R. Pruett	Aug 12, 1966
	12	MSC Internal Note No. 67-FM-15: "General Parametric Reentry Study For Several Synchronous Earth Orbits" by William R. Pruett	Feb 3, 1967
	13	TRW Working Paper 3423.5-80: "Half Lift Entry Range, a Tool for Preliminary Touchdown Target Positioning" by CD Calvin	Mar 23, 1967
13	1	MSC Internal Note No. 67-FM-35: "Parametric reentry Study of Elliptic Earth Orbits with Apogees Up To 10000 n. mi."	Apr 6, 1967
	2	MSC Internal Note No. 67-FM-43: Trajectory Data for High Speed Reentries	Apr 14, 1967
	3	MSC Internal Note No. 67-FM-92: Orbital Elements Following Premature translunar Injection Shutdowns	Jul 3, 1967
	4	MSC Internal Note No. 67-ET-16: Percentage of Time in Sunlight for Spacecraft in Circular Orbits	Sept 8, 1967
	5	MSC Internal Note No. 67-FM-177: Service Module Entry Characteristics	Nov 22, 1967
	6	NASA SP-8015: Guidance and Navigation for Entry Vehicles	Nov 1968
	7	MSC Internal Note No. 69-FM-294: basic Characteristics of Parking Orbits about Mars for Use in Preliminary Mission Planning	Nov 28, 1969
	8	VMMPs (Vehicle Management and Mission Planning Systems) Chronology	1969-1974
	9	Launch Vehicle Estimating Factors	Jan 1970
	10	MSC Internal Note No. 70-FM-61: Parametric Trajectory Analysis of the 1986 Mars Conjunction Class Mission Using Two- and Three-Impulse Trans-Mars Trajectories	Apr 7, 1970
	11	NASA SP-3053: Relative Geometries of the Earth, Sun, and Mars from the Year 1973 to the Year 2000	1970
	12	TRW Mission Trajectory Program Note	Mar 10, 1971
	13	MSC Internal Note No. 71-FM-119: Determination of Earth Orbit Inclination and Period for Special Types of Repeating Orbits	Apr 21, 1971
	14	National Science Foundation Grant PRA-76-18441: Final Report on Technical Information Flows and Innovation Processes	Oct 1978

	15	Basic Orbital Mechanics Workbook	Oct 1, 1985
	16	Reporter's Space Flight Notepad	Apr 1985
14	1	Payload Launch Schedules/Flight Assignments	1984-1990
	2	Facts & Figures	Aug 1988
	3	Program Schedules	1988-1990
	4	Secondary Payload Flight Projection	Feb 1989
	5	Aerospace Executive Directory	Jun 1989
	6	Aerospace Division Note AND 96-1: 1995 Space Launch Activities	Jan 1996
	7	Airspeed and Altitude Charts	Undated
	8	Differentiation, Integration, & Curve Fitting Formulas	Undated
		Series X: Federation Aeronautique Internationale	
	9	Memorandum & Accompanying Documents	1971-1982
	10	Records file for Valentina Tereshkova	Jun 1963
	11	Sporting Code, Section 8 – Astronautics: Regulations Applying to Spacecraft and Aerospacecraft, Classes P & K	1979
	12	United States Submittal for Register if Most Significant Achievement by Unmanned Spacecraft	Jul 15, 1982
	13	Request for Approval of Non-Program Foreign Travel, Carl R. Huss	1982
	14	Award Nominations, Carl R. Huss, National Aeronautic Association	1982
	15	Meetings	1982-1983
	16	Request for Registration of First Priority Achievements for United States Unmanned Space Flight by S.A. Sjöberg and C.R. Huss	Undated
15	1	Status of Federation Aeronautique Internationale Mission record Activities, STS-1 through STS-5	Undated
	2	Dossier for Homologation of World Records for Aerospacecraft, STS-1 through STS-5	1981-1982
	3	Dossier for Homologation of World Records for Aerospacecraft, STS-6 through STS-9	1983
		Series XI: American Institute of Aeronautics	
	4	AIAA Paper No. 66-904: Flight Operations Planning and Preparation for Manned Orbital Missions by JH Boynton and CC Kraft, Jr.	1966
	5	AIAA Paper No. 67-822: Mission Design for Flight Safety by CR Huss, CR Hicks, and CC Allen	1967
	6	AIAA Paper No. 67-839: Historical Perspectives on Apollo by Eugene M. Emme	Oct 23-27, 1967
	7	AIAA Brochures	1981-1992
	8	AIAA Houston Bylaws	Jan 11, 1985
	9	AIAA Membership Forms	Mar 2, 1990
	10	AIAA Career Enhancement Committee	1990
	11	16 th Annual Technical Symposium "Challenges of the 90's" held at University of Houston-Clear Lake	1991-1992
		Series XII: Computer Information	
16	12-13	Memoranda & Accompanying Documents	1969-1974
	1-2	Memoranda & Accompanying Documents	1975-1981
	3	NASA-S-66-6847: Software Considerations	Jun 1966
	4	Johnson Space Center Human Rights Seminar	1973

	5	Project Categories Presentation (primarily categories 3&4)	FY1973- FY1976
	6	Data Systems & Analysis Division Staffing Information	1974-1978
	7	Institutional Data Systems Division Long Range Planning Outline	May 10, 1974
	8	Institutional Data Systems Division Functional Review	May 1974
	9	Discussion Topics for IDSD Briefing – On the Job Satisfaction Questionnaire	Jul 9, 1974
	10	Data Systems Development Branch Project List	FY1974- FY1976
	11	Contract No. NAS 9-15700: Institutional Computers Systems Engineering, Development, and Production Operations	Jul 1978
	12	Contract No. NAS 9-15700: Work Management Plan for Data Systems Analysis Directorate Computer Sciences Corporation	May 1979
	13	NASA Internal Note 78-FD-008: Award Fee Evaluation Plan and Process for Contract NAS 9-15700, Computer Sciences Corporation	Sept 1979
	14	NASA Internal Note 80-FD-010: Yearly Institutional Data Systems Division Management and Reporting Activities	Sept 1980
17	1	Institutional Data System Central Computing Planning & Reporting Activities (update)	Sept 16 1980
	2-3	Institutional Data System Central Computing Facility Procedures Manual (2 folders)	May 1981
	4	Software Compatibility with Lunar Mission Objectives	Undated
	5	NASA's Impact on Computer Development by James E. Tomayko	Undated
	6	IDSD Cartoon	Undated
		Series XIII: Standards & Constants	
	7	Conversion Factors: Factors for Converting Miscellaneous Units to Units of the International Systems of Units of 1960, Edition 1963 prepared by E.A. Mechtly	Sept 28, 1963
	8	MSC Internal Note 64-OM-06: Projects Gemini & Apollo: Standard Constants & Parameters	Apr 6, 1964
	9	All-Purpose Space Rule	Feb 17, 1967
	10	NASA SP-7012: the International system of Units, Physical Constants, and Conversion Factors, Revised by E.A. Mechtly	1969
	11	JSC Internal Note 77-FM-45: Manpower and Computer Utilization	Sept 1977
		Series XIV: Confederate Air Force	
	12	Organizational Timeline	1957-1972
	13	Brochures	c. 1970s
	14	Awards	1980-1982
	15	Confederate Air Force Ghost Squadron Silver Jubilee News Issue	Oct 1982
	16	Correspondence	1982-1989
	17	Images	Undated
	18	Logos	Undated

		Series XV: Flight Safety	
18	1	MSC Internal Note No. 65-FM-8: Graphical Method for Estimating Earth Surface Lighting Conditions for Any Given Time	Jan 29, 1965
	2	MSC Internal Note No. 67-FM-175: Mission Design for Flight Safety by CR Huss, CR Hicks, and CC Allen (plus presentation)	Nov 17, 1967
		Series XVI: Aviation Catalogs	
	3	1983-1990	
	4	1991-1993	
		Series XVII: Periodicals	
	5	<i>Aerospace and Engineering Magazine</i>	1959-1962
	6	<i>Aviation Week and Space Technology</i>	1959-1962
	7	<i>Space News Roundup</i>	Dec 13, 1961
	8	"Why Should Man Go To The Moon?" <i>Time Magazine</i>	Feb 10, 1967
	9	"Engineering Your Writing and Writing Your Engineering" by Arthur E. Judd, <i>Engineering Opportunities</i>	Mar 1968
	10	<i>Journal of Spacecraft and Rockets</i> , vol. 5, no. 6	Jun 1968
	11	"Carbon Dioxide Control for Manned Spacecraft" by Rex B. Martin, reprint from <i>Aerospace Medicine</i> , vol. 39, no. 9	Sept 1968
	12	"Carbon Dioxide Control for Manned Spacecraft" by Rex B. Martin (manuscript with edits)	Undated
	13	Articles from <i>The Slide Rule Magazine</i>	Jul 1970
	14	"Guest Editorial: To Survive, New Wisdom" by Glenn T. Seaborg, <i>Astronautics & Aeronautics</i>	Oct 1970
	15	<i>Harvard Business Review</i>	1971-1972
19	1	<i>The Bell System Technical Journal</i> , vol. 51, no. 5	1972
	2	"From Steeples to Stamps: Personnel Profiles", <i>The Langley Researchers</i>	Jun 16, 1978
	3	"NASA Activities" newsletters	1979-1989
	4	Obituary for James Donegan (personal letter included)	Feb 4, 1980
	5	"Norwegian World War II Seaplane Restored", <i>News of Norway</i>	Dec 5, 1980
	6	"Development Status of a Preprototype Water Electrolysis Subsystem" <i>The American Society of Mechanical Engineers</i>	1981
	7	"NASA's Budget History" and "Scorecard: Major Milestones in NASA's 25-Year History" (publication unknown)	Oct 1983
	8	"Space Shuttle Entry Guidance Performance results" by JC Harpold and DE Gavert, <i>Journal of Guidance, Control, & Dynamics</i> , vol. 6, no. 6	1983
	9	Crew Manifests, <i>Space News Roundup</i>	1984-1991
	10	"The Shuttle: Triumph or Turkey?" by Alex Roland, <i>Discover Magazine</i>	Nov 1985
	11	"A Texan and His Toys" by George Macias (newspaper article)	Nov 1986
	12	<i>Rockwell News</i> , vol. 15, no. 20	Oct 28, 1987
	13	<i>Machine Design Magazine</i>	Nov 22, 1990

		Series XVIII: Career Information	
	14	Management Articles, memos, info	1959-1988
	15	Resume & Job Info/memos	1959-1994
	16	A Study of Innovation and Organizational Information Flows in Three Research and Development Organizations” by Bob Keller and Dutch Holland	undated
	17	Work Planning & Progress Review Guide	May 1977
	18	User’s Guide to the NASA Performance Appraisal Systems for Non-Supervisory Employees	1981-1982
	19	F-15 Multi-Stage Improvement Booklet	1986
	20	Johnson Space Center Strategic Game Plan	Oct 1987
	21	“RX for Success: Developing the Technical Manager and Professional”	1988
	22	American Association of Engineering Societies survey of salaries of engineers	Feb 1989
	23	Setting Career Goals by Carl R. Huss	Undated
	24	Financial Planning for Retirement by Carl. R. Huss	Undated
	25	Management Style Diagnosis Test	Undated
	26	Mission Analysis Branch Organizational Chart	Undated
	27	Job Cartoons	Undated
		Series XIX: NASA Facts	
20	1	NASA Historical Data Book	1958-1968
	2	NASA Fact Sheets	1972-1984
	3	“NASA Information Summaries Astronaut Fact Book”	Aug 1, 1993
		Series XX: Historical Publications	
	4	“The Six Orbits of Sigma 7: Walter M. Schirra’s Space Flight”	Oct 3,1 1962
	5	The Central Aero Club: Union of Soviet Socialist Republics	1962
	6	NASA Technical Translation TT F-16252: “In Outer Space” by I.G. Borisenko	May 1975
	7	“Voyager Encounter’s Jupiter”	Jul 1979
	8	NASA Advisory Council Study of the Mission of NASA	Oct 12, 1983
	9	JSC Technical Library User’s Guide	Feb 1986
	10	Who’s Who in Russian Aerospace Activities: A Reference List	Dec 1993
	11	“The History of the Society’s NC25673 DC-3 Aircraft”, Continental Airlines Historical Society	Undated
	12	“The Lyndon B. Johnson Space Center: Gateway to the Next Frontier”	Undated
	13	“The Solar Power Satellite Concept”	Undated
		Series XXI: NASA 20 th Anniversary Publications	
	14	“The First Lunar Landing As Told by the Astronauts, 20 th Anniversary”	Undated
	15	“Flight Operations Reunion for the 20 th Anniversary of the First Lunar Landing: ‘Tough and Competent’”	1969-1989
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	6	NASA Career Performance Record	Undated
		NASA Posters*	Undated
		Sky and lunar maps*	1957-nd
		Universal color maps*	1958-1959
		Mission charts*	1973-1988
		ASTP Map-Moscow Mission Control (photocopy w/ signatures)*	Jul 15-24, 1975