

**FINDING AID FOR THE
ROGER E. BILSTEIN *STAGES TO SATURN* AUTHOR RESOURCE FILES,
1947-1982 (#2002-0003)**

Contact Information:

University of Houston-Clear Lake Archives
Neumann Library
2700 Bay Area Blvd.
Houston TX 77058
Phone: 281-283-3936
Email: archives@uhcl.edu
URL: www.uhcl.edu/library

Descriptive Summary

Repository (049): University Archives

Collection #: 1990-0003

Title: Roger E. Bilstein *Stages to Saturn* Author Resource Files

Creator: Roger Bilstein

Inclusive Dates: 1947-1982

Bulk Dates: 1965-1977

Extent (300): Four .5" Hollinger boxes (2 linear feet)

Language (546): English

Administrative Information

Restrictions on Access (546): None

Restrictions on Use (540): None

Acquisition Information (541): Unknown

Processed by (583): UHCL Archives staff

Preferred Citation (524) Roger E. Bilstein *Stages to Saturn* Author Resource Files (#2002-0003), University of Houston-Clear Lake Archives.

Biographical/Historical Note (545)

Roger Bilstein was born in Hyannis, Nebraska to Richard and Opal (Gubser) Bilstein and attended Doane College, a small liberal arts school in the eastern part of the state. He participated in American University's Washington Semester Program, specializing in political science and foreign policy, and received the B.A. in European history from Doane in 1959. At the Ohio State University, he took an M.A. in United States History in 1960, and completed his Ph.D. in 1965, specializing in Twentieth Century

American History and International Relations. As a graduate student, he was named as Mershon Fellow in National Security Policy Studies. His doctoral dissertation, on the evolution and impact of American aviation technology during the 1920s, established a theme of future writing and research. In 1964, he married Linda Zufall; their family includes two children and one grandchild.

Dr. Bilstein taught at the University of Wisconsin -Whitewater (1965-1972) and became a co-founder of the American Studies Program there. On leave during 1970-72, he served as Principal Investigator for the NASA Saturn Launch Vehicle History Project at the Marshall Space Flight Center. From 1972-74, he held a joint appointment with the Institute of Aviation and the Department of History at the University of Illinois-Urbana. In 1974, the University of Houston organized the Clear Lake complex as a suburban, upper-division campus that enrolled only juniors, seniors, and graduate students at the M.A. level; Dr. Bilstein joined UH-Clear Lake as a member of the Charter Faculty in the summer of 1974. He taught undergraduate courses on American history since 1919, history of technology, warfare and international relations, and aerospace history. Graduate seminars focused on sequential decades of American history from the 1920s to the present, as well as seminars on World War II, aerospace technology and culture, the modern west, and other subjects. He retired from Clear Lake in 2000 as Professor of History, Emeritus, and continues to research and write at his home in the Hill Country west of Austin, Texas. He also lectures on aviation history and serves as a consultant for museums and historical exhibits.

Professional activities have included dozens of conference papers in the U.S. and in Europe, including the former Soviet Union, the Deutsches Museum, the Swiss Transport Museum, the Rolls-Royce Trust, and others; numerous papers and book chapters in both American and foreign publications; and numerous entries in encyclopedias and reference works like Encarta / Microsoft and the Encyclopedia Britannica. Other activities include work as a museum consultant as well as memberships on editorial advisory boards such as the Smithsonian's Air and Space Magazine, service on the USAF Museum advisory board, and similar roles. Dr. Bilstein has been the recipient of various grants and awards, including regional awards from the Aviation and Space Writers Association, and national recognition for historical research from groups such as the National Space Club, the American Institute of Aeronautics and Astronautics, the American Historical Association, and the Rotary National Stellar Awards Committee. He was appointed as the Charles Lindbergh Professor of Aerospace History at the National Air Space Museum, Smithsonian (1992-93), and was visiting Professor of History of History at the Air War College, U.S. Air Force (1995-96).

Dr. Bilstein is the author *Stages to Saturn*, the official NASA history of the lunar launch vehicles (AIAA manuscript award, 1979; re-printed 1996); *Flight in America: from the Wrights to the Astronauts* (now in its 3rd edition, 2001); *The Enterprise of Flight: The American Aviation and Aerospace Industry* (cited by the American Library Association as an "outstanding academic book" in its 1996 edition; re-published in 2001); author or co-author of five additional books and monographs. His most recent book is titled, *Testing Aircraft, Exploring Space: An Illustrated History of NACA and NASA* (2003).

Scope and Contents (520)

This collection contains records collected by Roger Bilstein pertaining to the Saturn rocket program.

Index Terms (6xx)

Personal Names: Bilstein, Roger E.; Wright, Monte D.; Sharpe, Mitchell R.; Brooks, Overton; Collins,

Michael; Dannenberg, Konrad; Godfrey, Roy; Mueller, George E.; Rudolph, Arthur; Sneed, Bill; Urlaub, Matthew W.; James, Lee B.; McCulloch; Mrazek, William; Rosen, Milton W.; Sloop, John L.; Coffman; Fontaine, Attinello; Davenport; Bostwick, Leonard; Burns, Mike; Collins, Michael; Paul; von Braun, Wernher; James, Lee B.; McCulloch;

Corporate Names: National Aeronautics and Space Administration (NASA), Pall Corporation, GE/Bell Committee

Subjects: University of Houston at Clear Lake City, Saturn, National Aeronautics and Space Administration

Places: Houston, Texas

Document Types: Clippings, correspondence, writings, research notes, and other documents relating to the Saturn launch vehicle.

Inventory

<u>Box</u>	<u>Folder</u>	<u>Title</u>	<u>Dates</u>
1	1	Historical Features	undated
	2	Progress Reports	1974-1976
	3	Working Outline	1975
	4	Correspondence	
		Comments on Manuscript	1976
	5	Distribution of Comment Manuscript	1976
	6	Thanks and Congratulations	1981
	7	Writings	
		Original Preface, Acknowledgement, and Bibliography	undated
	8-9	"From the SSWM to the SSWB"	1977
	10	Writings (of others)	
		Von Braun, Werner	1970, 1974
	11-12	Research Notes	undated, 1976
	13	After Comments on Manuscript	1976
	14	Costs and Hardware Charts for Appendix; Misc.	1967-1975
	15	H-1 Engine Turbine Blades and Contractor Liability	1967
	16	NASM Seminar	1978
	17-18	Notebook	1971
	19	Pall Corporation (re: rigimesh, porous metal)	1961-67, 1977
	20	Saturn I and IB	1962-1975
	21	Saturn IV / IVB	1960-61, 1977
	22	Saturn IV / IVB Quality Assurance and Component Testing	undated
	23	Saturn Funding and Costs	1970, 1975
24	Saturn History Chapter 1 (re: correspondence with Mitchell Sharpe; German scientists post-World War II)	1970-1973	
25	Saturn History Chapter 2 (re: Klein, Julius; rocket models in 1949; Starer, Robert; von Braun, Wernher)	1969-1971	
2	1	Saturn History Chapter 3	1970-1971
	2	Tables and Flight Summaries	1968-1973
	3	Von Braun Daily Journal	ND
	4-5	Illustrations	1962-1971
	6	Charts (Copies and Photographs)	undated
	7	Illustrations to Re-Draw	undated
	8	List	undated
	9	Sketches of Launch Vehicles (re: excerpts from design notebook kept by William M. Taub - launch vehicles)	undated
	10	Reports	
		Technical Data on the Development of the A-4 (V-2)	1965
	11	Transcripts	

		Bostwick, Leonard and Mike Burns	undated
	12	Collins, Michael	undated
	13	Donnenberg, Konrad	undated
	14	Godfrey, Roy	undated
	15	Mueller, George E.	1967
	16	"Paul"	undated
	17	Rudolph, Arthur	1968
	18	Sneed, Bill	1973
	19	Urlaub, Matthew W.	undated
	20-22	Von Braun, Wernher	1970, 1971
3	1	Transcripts (MSFC)	
		James, Lee B.	1971
	2	McCulloch	undated
	3	Mrazek, William	undated
	4	Rosen, Milton W.	1969, 1971
	5	Sloop, John L.	1971
	6	Transcripts (Rocketdyne)	
		Coffman	undated
	7	Fontaine, Attinello, and Davenport	undated
	8	Subject Series	
		Bibliographies	undated
	9-13	Engines	1947-59, 1960-67, 1974
	14	F-1 and J-2 Rocket Engine	1971
	15	Fuels	1976
	16	GE/BellComm	1963, 1966
	17	Management	1962-1972
4	1	NAR Organization, S-II Stage, Folder #1	1965
	2	NAR Organization, S-II Stage, Folder #2	1967
	3	NAR Organization, S-II Stage, Folder #3	1966
	4	NAR Organization, S-II Stage, Folder #4	1964
	5	NAR Organization, S-II Stage, Folder #5	1966
	6	NAR Organization, S-II Stage, Folder #7 (note: no folder 6)	1966
	7	NAR Organization, S-II Stage, Folder #8	1965
	8	PM-DIR Record Files	1964-1967
	9-10	Research Material (re: Saturn Orientation Conference, Saturn IVB Summary Chronology)	1960
	11-14	Rocketry	1934-1962
	15	S-IC Stage Weekly Status Report	1967-68, 1971
	16	Saturn Development Plan (Silverstein)	1959
	17	Saturn Flight Testing	1968, 1974, 1964
	18	Saturn Impact	1970
5	1-8	Saturn Program Historical Information File	1973
	9	Saturn Systems Management	1960-62
	10	Von Braun Daily Journal Box 1	1958-1961
	11	Von Braun Daily Journal Box 2	1962-1964
	12	Von Braun Daily Journal Box 3	1966
	13	Von Braun Daily Journal Box 4	1967-1970
	14	Von Braun Memo	1965
	15	Von Braun Personality	1968
	16	Von Braun Reading Files	1963-1968
	17	Von Braun Weekly Notes Box 1	1961-1963
	18	Von Braun Weekly Notes Box 2	1964-1965
	19	Von Braun Weekly Notes Box 3	1966-1967
	20	Von Braun Weekly Notes Box 4	1968

	21	Von Braun Weekly Notes Box 5 Staff and Board Meetings	1960-1963
	22	Von Braun Weekly Notes Box 6	1964-1966
6	1	Printed Matter	
		Apollo/Saturn V Launch Mission Rules, Apollo 4	1967
	2	Apollo-Soyuz Test Project Press Kit	1975
	3	Apollo Vehicle Propulsion Systems	1965
	4	Centaur Program	1961
	5	Cleaning Requirements of MSFC Space Program	1963
	6	Description and Status of Saturn 1B	1965
	7	Development of High-Thrust Engines for Launch Vehicles	1960
	8	Development of LOX (Hydrogen and RP-1) Engines for Saturn/Apollo Launch Vehicles	1968
	9	Development Trends of Liquid Propellant Engines	1962
	10	Dr. Von Braun's All-Purpose Space Machine	1967
	11	Earth Satellites, A First Look by the US Navy in the 1940s	1970
	12	Engineering Materials for Space Use	1964
	13	Evolution of MSFC Program Management Organization	1973
	14	F-1 Engine Project Development Plan	1963
	15	Historical Perspectives on Apollo	1968
	16	Implications of Saturn V Systems	1970
	17	Launch Vehicle Engines Project Development Plan	1965
	18	LR 115 Oxygen-Hydrogen Engine	1961
	19	Marshall Space Flight Center (MSFC) Telephone Directory	1971
7	1	MSFC Historical Origins	1960
	2	MSFC History Vol. 1	July-Dec 1960
	3	MSFC History Vol. 2 Supporting Documents	July-Dec 1960
	4	MSFC History Vol. 1	Jan-Jun 1961
	5	MSFC History Vol. 2 Supporting Documents	Jan-Jun 1961
	6	MSFC History Vol. 1	July-Dec 1961
	7	MSFC History Vol. 2 Supporting Documents	July-Dec 1961
	8	MSFC History Vol. 1	Jan-Jun 1962
	9	MSFC History Vol. 2 Supporting Documents	Jan-Jun 1962
	10	MSFC History Vol. 1	July-Dec 1962
	11	MSFC History Vol. 2 Supporting Documents	July-Dec 1962
	12	MSFC History Vol. 1	Jan-Jun 1963
8	1	MSFC History Vol. 2 Supporting Documents	Jan-Jun 1963
	2	MSFC History Vol. 1	July-Dec 1963
	3	MSFC History Vol. 2 Supporting Documents	July-Dec 1963
	4	MSFC History Vol. 1	Jan-Jun 1964
	5	MSFC History Vol. 2 Supporting Documents	Jan-Jun 1964
	6	MSFC History Vol. 1	July-Dec 1964
	7	MSFC History Vol. 2 Supporting Documents	July-Dec 1964
9	1	MSFC History Vol. 1	Jan-Dec 1965
	2	MSFC History Vol. 2 Supporting Documents	Jan-Dec 1965
	3	MSFC Chronology	Jan-Dec 1966
	4	MSFC Chronology	Jan-Dec 1967
	5	MSFC Chronology	Jan-Dec 1968
	6	MSFC Chronology (draft)	Jan-Dec 1969
10	1	Materials Engineering for Large Launch Vehicles	1965
	2	Metal Alloys in Launch and Space Vehicle	1963
	3	Milestones in Cryogenic Liquid Propellant Rocket Engines	1967
	4	NACA High Energy Rocket Propellant Research in the 50s	1971
	5	Past Present and Future of Metals for Liquid Rockets	1966
	6	Program Review Apollo	1964
	7	Propulsion Development Problems Associated with Large	1963

			Liquid Rockets	
	8	Research in NASA History; A Guide		1976
	9	Rocket Engine Selection Criteria		1967
	10	Rocket Engines in the 1950s		1971
	11	Rocketry in the 50s		1972
	12	Saturn Illustrated Chronology		1971
	13	Saturn I Flight Test Evaluation		1964
	14	Saturn S-IVB Program, vol. 11		1968
	15	Saturn V		1971
	16	Saturn V / Apollo Vehicle Pogo Stability Problems		1970
	17	Saturn V Flight Manual SA 509		1969
11	1	Saturn V Flight Manual SA 510		1969
	2	Saturn V Launch Vehicle Flight Evaluation Report-AS-501 Apollo 4 Mission		1968
	3	Saturn V Launch Vehicle Flight Evaluation Report-AS-509 Apollo 14 Mission		1971
	4	Saturn V Project Development Plan		1967
	5	Saturn Program		1962
	6	Skylab Saturn IB Flight Manual		1972
12	1	Space and the Historian		1973
	2	Survey of Propulsion Problems as Related to Space Vehicle Design		1963
	3	Technical Information Summary - Apollo 8 (AS-503)		1968
	4	Technological Innovations from Saturn		undated
	5	Unexpected Payoff of Project Apollo		1969
	6	Work Measurements in Aerospace		undated
	7	Clippings		1974-1976
	8	Reviews		1981-1982
	9-12	Notecards		undated
13	1-6	Notecards		undated
14	1-7	Notecards		undated