

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Henry Warren "Hank" Hartsfield, Jr.

ORAL HISTORY: 12 June 2001
15 June 2001

EDUCATIONAL BACKGROUND:

B.S. in Physics, Auburn University, Auburn, AL, 1954
Graduate Work, Duke University, Durham, NC
Graduate Work, Air Force Institute of Technology, Wright-Patterson AFB, Dayton, OH
M.S. in Engineering Science, University of Tennessee Space Institute, Knoxville, TN, 1971

PRE-NASA EXPERIENCE:

United States Air Force (1955-1977)

- Fighter Pilot, 53rd Tactical Fighter Squadron, Bitburg, Germany
- Attended, USAF Aerospace Research Pilot School, Edwards Air Force Base, Edwards, CA (Dates Unknown)
- Instructor, USAF Aerospace Research Pilot School, Edwards Air Force Base, Edwards, CA (Date Unknown-1966)
- Aerospace Research Pilot, Manned Orbiting Laboratory (MOL), Vandenberg Air Force Base, CA (1966-1969)
- Detailed to NASA (1969-1977)
- Retired as Colonel (1977)

NASA EXPERIENCE:

NASA Manned Spacecraft Center/ Johnson Space Center, Houston, TX (1969-Date Unknown)

- Astronaut (1969-1989)
- Deputy Chief, Astronaut Office (1986-1987)
- Deputy Director, Flight Crew Operations Directorate (1987-1989)

NASA Headquarters, Washington D.C. (1989)

- Director, Space Flight/Space Station Integration Office, Office of Space Flight (1989)

NASA Marshall Space Flight Center, Huntsville, AL (1990)

- Deputy Manager, Operations, Space Station Projects Office (1990)

NASA Johnson Space Center, Houston, TX (1991-Date Unknown)

- Manager, Man-Tended Capability Phase, Space Station Freedom Program and Operations (1991-1993)
- Manager, International Space Station Independent Assessment, International Space Station Alpha Program (1993-1996)
- Director, HEDS (Human Exploration and Development of Space) Independent Assurance (1996-late 1990s)

POST-NASA EXPERIENCE:

Raytheon Company, Houston, TX (Date Unknown-Present)

- Vice-President, Aerospace Engineering Services (late 1990s-Present)

MISSIONS:

STS-4 (*Columbia*)

- Crew: Commander Thomas K. "Ken" Mattingly, Pilot Henry W. "Hank" Hartsfield
- Launched: 27 June 1982 at 11:00:00 A.M. EDT from Cape Canaveral, FL
- Duration: 7 days, 1 hour, 9 minutes, 40 seconds
- Landed: 4 July 1982 9:09:31 A.M. PDT at Edwards AFB, CA
- Mission Highlights: Final Space Transportation System research and development flight. The first shuttle landing on a concrete runway. Achieved all mission objectives.

STS 41-D (*Discovery*)

- Crew: Commander Henry W. "Hank" Hartsfield, Pilot Michael L. Coats, Mission Specialist 1 Judith A. Resnick, Mission Specialist 2 Steven A. Hawley, Mission Specialist 3 Richard M. Mullane, Payload Specialist 1 Charles D. Walker
- Launched: 30 August 1984 at 8:41:50 A.M. EDT from Cape Canaveral, FL
- Duration: 6 days, 0 hour, 56 minutes, 4 seconds
- Landed: 5 September 1984 at 8:37:54 A.M. PDT at Edwards AFB, CA
- Mission Highlights: Maiden flight of orbiter *Discovery*. Deployed three satellites: Satellite Business System-D (SBS-D), SYNCOM IV-2 (LEASAT2), and TELSTAR. Activate OAST-1 experiment. Other payload experiments included: Continuous Flow Electrophoresis System (CFES) III; Radiation Monitoring Equipment (RME); Shuttle Student Involvement Program (SSIP); IMAX Camera; Air Force Experiment; and Cloud Logic to Optimize Use of Defense Systems (CLOUDS).

STS 61-A (*Challenger*)

- Crew: Commander Henry W. "Hank" Hartsfield, Pilot Steven R. Nagel, Mission Specialist 1 James F. Buchli, Mission Specialist 2 Guion S. Bluford, Jr., Mission Specialist 3 Bonnie J. Dunbar, Payload Specialist 1 Reinhard Furrer, Payload Specialist 2 Ernst Messerschmid, Payload Specialist 3 Wubbo J. Ockels (ESA-European Space Agency)
- Launched: 30 October 1985 at 12:00:00 P.M. EST from Cape Canaveral, FL
- Duration: 7 days, 0 hour, 44 minutes, 51 seconds
- Landed: 6 November 1985 at 9:44:51 A.M. PST at Edwards AFB, CA
- Mission Highlights: Carried German Spacelab (D-1) mission consisting of 75 experiments. Deploy Global Low Orbiting Message Relay (GLOMR).

PROFESSIONAL & HONORARY SOCIETIES:

- Member, National Postal Museum Council of Philatelists
- Member, Delta Chi Fraternity
- Member, Auburn University College of Sciences and Mathematics Advisory Council

AWARDS & CITATIONS:

- Air Force Meritorious Service Medal
- General Thomas D. White Space Trophy, 1973
- Distinguished Civilian Service Award (DoD), 1982
- NASA Space Flight Medal, STS-4, 1982
- NASA Distinguished Service Medal, 1982
- Inducted, Alabama Aviation Hall of Fame, 1983
- NASA Space Flight Medal, 41-D, 1984
- NASA Space Flight Medal, 61-A, 1985
- Honorary Doctor of Science Degree, Auburn University, 1986
- NASA Distinguished Service Medal, 1988
- NASA Exceptional Service Medal, 1988
- Presidential Rank of Meritorious Executive in the Senior Executive Service, 1996

SELECT PUBLICATIONS:

Hartsfield, Henry W., Jr. "Space shuttle orbital flight testing." Society of Experimental Test Pilots, Technical Review. Vol. 14 no. 2 (1979): 11-20.

Hartsfield, Henry W., Jr., M. L. Coats, S. A. Hawley, R. M. Mullane, and J. A. Resnik. "Luncheon Talk - Tuesday, September 25, 1984." In White-collar productivity and quality issues: Proceedings of the Symposium on Productivity and Quality: Strategies for Improving Operations in Government and Industry, Washington DC, September 25-26, 1984. (New York, New York: AIAA, 1985): 17.

Mattingly, T. K., and Henry W. Hartsfield, Jr. "Space Shuttle progress report." In 1982 Report to Aerospace Profession: Proceedings of the Twenty-Sixth Symposium, Beverly Hills, California, September 22-25, 1982. (Lancaster, California: Society of Experimental Test Pilots, 1982): 267-285.

REFERENCES:

Aaron Cohen, Director of Johnson Space Center, "Key Personnel Assignments Memo," 1 May 1987, Institutional Series Chronological Files (Box 87-69), History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

"About Raytheon," Raytheon Company Homepage, Online, <http://www.raytheon.com/about/index.htm/> (Copyright 2001, Raytheon Company; 5 January 2001 – Accessed).

"Advisory Boards of the National Postal Museum," Smithsonian Institution Homepage, Online, <http://www.si.edu/postal/generalinfo/boards.html/> (Copyright 1995-2001, Smithsonian Institution; 3 November 2000 – Accessed).

"Advisory Council Membership," Auburn University Homepage, Online, http://ftp.duc.auburn.edu/academic/science_math/alumni/membership.htm/ (Copyright 2001, Auburn University; 5 January 2001 – Accessed).

Kay Grinter, ed., "Astronaut Bio: Henry W. Hartsfield, Jr.," NASA Johnson Space Center Homepage, Online, <http://www.jsc.nasa.gov/Bios/htmlbios/hartsfield-hw.html/> (3 November 2000 – Last Updated; 3 November 2000 – Accessed).

"Brandenstein is new Chief Astronaut," Space News Roundup (NASA Johnson Space Center), 8 May 1987, 1.

"Delta Chi Fraternity - Facts," Delta Chi International Fraternity Homepage, Online, <http://www.deltachi.com/facts/> (Copyright 2000, Delta Chi Fraternity; Accessed – 3 November 2000).

"Diaz named to Science post; Hartsfield heads Space Flight/Space Station Integration Office." Space News Roundup (NASA Johnson Space Center), 9 June 1989, 1, 4.

"Enterprise Project Adopted by Raytheon Unit to Track Development of Space Station Simulators," eLabor.com Homepage, Online, http://www.elabor.com/news/releases/nws_06_16_00.htm/ (Copyright 2000, eLabor.com, Inc.; 3 November 2000 – Accessed).

George W. S. Abbey, Director of Flight Crew Operations, "Key Personnel Assignment - H. Hartsfield Memo," 29 August 1986, Institutional Series Chronological Files (Box 86-137), History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

Jim Dumoulin, ed., "STS-4," Kennedy Space Center History Homepage, Online, <http://www.ksc.nasa.gov/shuttle/missions/sts-4/mission-sts-4.html> (31 August 2000 – Last Updated; 3 November – Accessed).

Mark Wade, ed., "Hartsfield," Encyclopedia Astronautica Homepage, Online, <http://www.friends-partners.org/~mwade/astros/harfield.htm/> (13 September 2000 – Last Updated; 21 September 2000 – Accessed).

NASA Headquarters Telephone Directories (September 1989, July 1994, Fall 1995, Spring 1996, Summer 1996), History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

NASA Johnson Space Center Telephone Directories (August 1983, June 1987, September 1988, January 1989), History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

Flint Wild, ed., "Spacelink - 89-06-09," NASA Spacelink Homepage, Online, <http://spacelink.msfc.nasa.gov/NASA.News.Releases/89-06.News.Releases/89-06-09/> (3 April 2000 – Last Updated; 3 November 2000 – Accessed).