

Guide to the Ernst Stuhlinger Recognition Collection

**Compiled by: Anne Coleman, Archivist
& David Hanning, Elec. Eng., Ret.**



**M. Louis Salmon Library
University of Alabama in Huntsville
Huntsville, AL 35899
Year 2010**

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Ernst Stuhlinger Recognition
Collection*

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M. Louis Salmon Library,
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2010



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Descriptive Summary

Title: Guide to the Ernst Stuhlinger Recognition Collection

Collection number: Special Collections Ernst Stuhlinger

Creator: Archives Staff

Extent: 3 Linear Feet

Repository: University of Alabama in Huntsville. M. Louis Salmon Library. Dept of Archives/Special Collections.

Administrative Information

Access Restrictions: None

Publication Rights: Property rights reside with the repository.

Provenance: Dr Charles A. Lundquist, David Christensen and others.

Preferred Citation: [Identification of item] Ernst Stuhlinger Recognition Collection. Dept. of Archives/Special Collections, M. Louis Salmon Library, University of Alabama in Huntsville, Huntsville, AL.

Scope and Content

The Collection (3 linear ft.) Includes a total of 4 Archival Boxes containing 80 subject folders, and 32 DVD's The Ernst Stuhlinger Recognition Collection is primarily focused on his extensive wide range of contributions to the field of science. He was a multifaceted scholar of far-ranging interest who also demonstrated a keen appreciation of history and its preservation.

Biographical Note

Stuhlinger was born in Niederrimbach, Germany, near Wurzburg in Bavaria on Dec. 1913. Dr. Ernst Stuhlinger received his Doctorate in Physics with a thesis entitled Ionization Rate of Cosmic Rays at the University of Tuebingen in 1936. He was appointed Assistant Professor of the Physics Department of the Berlin Institute of Technology and was a member of the faculty there from 1936 to 1941. He worked closely with Dr. Hans Geiger, developer of the Geiger counter, for seven years.

From 1939 to 1941, he was a member of a special research group conducting studies in nuclear energy. In the Spring of 1943, he joined the Rocket Development Center at Peenemunde which was under the technical supervision of Dr. Wernher von Braun, who became the first Director of George C. Marshall Space Flight Center in Huntsville, Alabama. At Peenemunde, Dr. Stuhlinger carried on research in connection with the development of guidance and control systems for the V-2 guided missile.

Dr. Stuhlinger, who became an American citizen on April 14, 1955, came to the United States in 1946 under the auspices of the Ordnance Corps, U. S. Army. He conducted research and development work in connection with guided missiles at Ft. Bliss, Texas, and assisted in high altitude research firings of captured V-2's at White Sands Proving Ground, New Mexico.

From 1956 until July 1, 1960, Dr. Stuhlinger was Director of the Research Projects laboratory, Army Ballistic Missile Agency, U. S. Army Ordnance Missile Command at Redstone Arsenal, Alabama. He became the Director of the Research Projects Laboratory of the George C. Marshall Space Flight Center from 1960 to 1968 and became the associate director for science from 1968 to 1975, when he retired and became an adjunct professor and senior research scientist at the University of Alabama in Huntsville. Among his many other works at Marshall, he directed early planning for lunar exploration about the Sun, led planning for the three High Energy Astronomical Observatories, and worked on the initial phases of what would become the Hubble Space Telescope.

After retiring, Stuhlinger and historian Frederick Ordway collaborated on the biography *Wernher von Braun: Crusader for Space*. In it, Stuhlinger downplayed claims that von Braun had mistreated prisoners working on the V-2 program during the war. Author Michael Neufeld has called these claims highly dubious in his book, *Von Braun: Dreamer of Space, Engineer of War*, stating that Stuhlinger was not personally involved in these areas and would have no first-hand information. Stuhlinger reiterated the point that their aim was ultimately peaceful; in an Associated Press article, he wrote: "Yes, we did work on improved guidance systems, but in late 1944 we were convinced that the war would soon be over before new systems could be used on military rockets. However, we were convinced that somehow our work would find application in the future rockets that would not aim at London, but at the moon."

Stuhlinger died in Huntsville at age 94 on May 25, 2008.

Note to Researcher

The *Guide to the Ernst Stuhlinger Recognition* Collection is organized into 6 major subjects or series. Details on documents contained within each of the major subjects can be found by accessing the on line data base <http://lib.uah.edu>, or manually from the University of Alabama in Huntsville, M. Louis Salmon Library. Dept of Archives/Special Collections, located in the lower level of the library.

All materials of this collection---books, documents, artifacts, photographs, drawings, film or film clips etc.---may not circulate outside of the library.

Table of Contents

Guide to the Ernst Stuhlinger Recognition Collection

Stuhlinger Recognition Collection Series

Series 1 General Subjects

- 1.1 Stuhlinger Biography
- 1.2 Stuhlinger Bibliography
- 1.3 Recognition Symposium Materials
- 1.4 Obituary Clippings

Series 2 Books by Ernst Stuhlinger

(Copy entries from catalog)

Series 3 Documents of Ernst Stuhlinger

- 3.1 Electric Propulsion
- 3.2 Electric Automobiles
- 3.3 Space Science
- 3.4 Space Operations
- 3.5 von Braun Research Hall
- 3.6 Historical Subjects

Series 4 Ernst Stuhlinger interviews and presentations

- 4.1 Audio interview by Ernst Stuhlinger
- 4.2 Video interview by Ernst Stuhlinger
- 4.3 Presentations about Ernst Stuhlinger

Series 5 Documents about Ernst Stuhlinger

- 5.1 General Documents
- 5.2 Newspaper clippings

Series 6 Photographs and Art Work

Stuhlinger Recognition Collection

Series 1 General Subjects

Series 1.1 Stuhlinger Biography

Series 1.1

Title Stuhlinger Biography

Location Box 1

Author MSFC Public
Affairs Office

Source Marshall Space Flight Center

Date 9/1/1963

Abstract This is a vita press release of the career of Dr. Stuhlinger through 1963.

Series 1.2 Stuhlinger Bibliography

Series 1.2

Title Stuhlinger Bibliography

Location Box 1

Author Stuhlinger,
Irmgard (Mrs. Ernst)

Source Private communication

Date 10/30/2008

Abstract This is a bibliography of the publications of Dr. Ernst Stuhlinger transmitted to UAHuntsville by Mrs. Irmgard Stuhlinger.

Series 1.3 Recognition Symposium Materials

Series 1.301

Title Memorandum to Dean Wilson Luquire

Location Box 1

Author Christensen,
David and Lundquist, Charles
Date 6/17/2008

Source University of Alabama Huntsville

Abstract We wish to organize multifaceted activities to recognize the late Ernst Stuhlinger. A date in late 2008 is targeted. The document has an ink notation "OK W Luquire, 6/17/08".

Series 1.302

Title e-mail to UAH President David Williams

Location Box 1

Source University of Alabama Huntsville

Author Luquire, Wilson
Date 6/17/2008

Abstract Attached is a letter from Dr. Lundquist and D. Christensen re: events memorializing Dr. Ernst Stuhlinger that the UAHuntsville Library and University would sponsor. The reply from President Williams is "Wilson - this is great - thank you, dave".

Series 1.303

Title e-mail to C. Lundquist and D. Christensen

Location Box 1

Source OrdMars@aol.com

Author Ordway, Fred
Date 7/4/2008

Abstract Believe it or not, I was thinking along the same lines as you both. -- Mid November may be a bit soon. -- Let's talk on the phone. Later Fred sent his regrets that he could not attend the Symposium due to a prior commitment.

Series 1.304

Location Box 1

Title Announcement - Recognition of Dr. Ernst Stuhlinger Author Christensen, David and Lundquist, Charles

Source University of Alabama Huntsville

Date 9/4/2008

Abstract This is a one-page document sent to interested parties telling that UAH is planning multifaceted activities to recognize the late Ernst Stuhlinger.

Series 1.305

Location Box 1

Title Stuhlinger Recognition, email for MSFC retirees

Author Lundquist, Charles A.

Source University of Alabama Huntsville

Date 10/15/2008

Abstract This is a message to the MSFC retirees informing them of the Dr. Ernst Stuhlinger Recognition Symposium.

Series 1.306

Location Box 1

Title Stuhlinger Recognition Symposium Announcement Author UAHuntsville,

Division of Continuing Education

Source Division of Continuing Education online announcement Date 10/17/2008

Abstract The UAH Division of Continuing Education handled the registration details for the Symposium. This is a copy of their online announcement providing information for attendee registration.

Series 1.307

Location Box 1

Title Dr. Ernst Stuhlinger Recognition Symposium, Program Author UAHuntsville, University Advancement staff

Source University of Alabama Huntsville, 8"X11" folded program Date 11/18/2008

Abstract The front of the program for the Symposium has a reduced copy of the poster prepared to announce the Symposium. The first inside page has a brief biography of Dr. Stuhlinger. The second inside (facing) page has the presentation titles, chairpersons and speakers. The four sessions addressed four key technological areas in which Dr. Stuhlinger was involved: Space Science, Electric Vehicles, Electrical Propulsion and Advanced Space Transportation.

Series 1.308

Location Box 1

Title Dr. Ernst Stuhlinger Recognition Symposium, Leaflet Author UAHuntsville, Salmon Library staff

Source UAHuntsville, Souvenir Leaflet in a plastic binder Date 11/18/2008

Abstract The Souvenir Leaflet was distributed to all Symposium attendees. The cover is a copy of the poster prepared for the Symposium. Inside the cover page is the agenda for the Symposium. Pages 1-4 have a reproduction of the May 6, 1970 reply by Dr. Stuhlinger to a letter from Sister Mary Jucunda of Zambia. The last page of the leaflet is an exposition of the organization of the Recognition Symposium.

Series 1.309

Title Pre-symposium poster

Source University of Alabama Huntsville

Abstract Poster, 8.5x11 inch advertising Dr. Ernst Stuhlinger Symposium

Location Box 1

Author UAH Symposium staff

Date 11/18/2008

Series 1.310

Title DVD Stuhlinger Interview Clips

Source University of Alabama Huntsville

Abstract This DVD contains video clips from an oral history interview with Dr. Stuhlinger that were shown at his Recognition Symposium.

Location Box 1

Author Stuhlinger, Ernst

Date 11/18/2008

Series 1.311

Title Stuhlinger Recognition 'Posters'

Source various organizations

Abstract This is a list of the organizations and contacts that prepared and exhibited 'posters' about Dr. Stuhlinger at the Recognition Symposium.

Location Box 1

Author various contacts listed on the document

Date 11/18/2008

Series 1.312

Title DVDs of Stuhlinger Recognition Symposium

Source Salmon Library, UAH

Abstract These eleven DVDs record the proceedings of the Ernst Stuhlinger Recognition Symposium.

Location Box 1

Author Symposium speakers

Date 11/18/2008

Series 1.313

Title Thank you note

Source 3106 Rowe Drive, SE, Huntsville, AL 35801

Abstract I received four sets of DVD's of the Ernst Stuhlinger Recognition Symposium for me and my children. I have such good memories of this day, and now having it on DVD's is a real treasure.

Location Box 1

Author Stuhlinger, Irmgard (Mrs. Ernst)

Date 5/11/2009

Series 1.314

Title Letter of appreciation

Source 3106 Rowe Drive, SE, Huntsville, AL 35801

Abstract I want to express my heartfelt thanks and appreciation to you and the University of Alabama in Huntsville for all your hard work in planning and conducting the wonderful Ernst Stuhlinger Recognition Symposium for my late husband.

Location Box 1

Author Stuhlinger, Irmgard (Mrs. Ernst)

Date 11/20/2008

Series 1.315

Location Box 1

Title e-mail post symposium thanks to chairs and speakers Author Lundquist, Charles A.
Source University of Alabama Huntsville Date 11/26/2008
Abstract Thank you for your dedicated performance at the Dr. Ernst Stuhlinger
Recognition Symposium.

Series 1.316

Location Box 1

Title CD-Rs with pictures from the Stuhlinger Recognition Symposium Author
Symposium staff
Source Salmon Library, UAH Date 11/18/2008
Abstract These CDs have photographs used and taken during the Ernst Stuhlinger
Recognition Symposium.

Series 1.4 Obituary Clippings

Series 1.41

Location Box 1

Title Service of Thanksgiving for the life of Dr. Ernst Stuhlinger Author Service
Program
Source St. Mark's Lutheran Church Date 5/31/2008
Abstract This is the program for the Service of Thanksgiving for the life of Dr. Ernst
Stuhlinger. The front cover of the program has a picture of the Matterhorn Mountain
with the Moon in the sky behind the mountain. Ernst was proud to have climbed this
mountain and to have helped put men on the Moon. Tributes were given by Konrad
Dannenberg, Frederick I. Ordway IV and Ralph Petroff.

Series 1.42

Location Box 1

Title Space program pioneer Ernst Stuhlinger dies. Author Wright, Mike
Source Marshall Star Date 5/29/2008
Abstract This is the article in the Marshall Star by Mike Wright, the Marshall historian,
telling of the death of Dr. Stuhlinger. Wright quotes Stuhlinger: "To keep our own planet
in a livable state, it will be very important to do space research and to develop a space
program further and further."

Series 1.43

Location Box 1

Title Clipping; Dr. Ernst Stuhlinger obituary Author Laughlin Funeral
Home
Source The Huntsville Times Date 5/27/2008
Abstract Dr. Ernst Stuhlinger died Sunday, May 25, 2008 in Huntsville at age 94. He
was born December 19, 1913 in Niederrimbach in southern Germany.

Series 1.44

Location Box 1

Title Clipping; Dr. Ernst Stuhlinger dies, was space age 'giant' Author Doyle, Steve
and McLaughlin, Budd; Times staff writers

Source The Huntsville Times

Date 5/26/2008

Abstract Remembered as a "visionary" and "truly humble" man, former rocket scientist Dr. Ernst Stuhlinger died Sunday. Stuhlinger was the No. 3 man on Dr. Wernher von Braun's famed rocket team said Ed Buckbee, a former director of the U.S. Space and Rocket Center.

Series 1.45

Location Box 1

Title Clipping; Ernst Stuhlinger's legacy

Author Reisz, Al, president of
Reisz Engineers

Source The Huntsville Times

Date 6/1/2008

Abstract Stuhlinger is considered by many as the father of electric propulsion. In 1947 Wernher von Braun told Stuhlinger that Professor Oberth may have been right "I wouldn't be surprised if we flew to Mars electrically".

Series 1.46

Location Box 1

Title Clipping; Ernst Stuhlinger 'brilliant scientist, devoted to family' Author

Betowt, Yvonne. Times staff writer

Source The Huntsville Times

Date 6/1/2008

Abstract The space pioneer's memorial service was held Saturday (May 30) at St. Mark's Lutheran Church. "If Wernher von Braun was the 20th century Columbus, then surely Ernst Stuhlinger was his navigator and confidante" said Ralph Petroff, a Monte Sano neighbor.

Series 1.47

Location Box 1

Title Nachrufe, Ernst Stuhlinger

Author Freiherr zu Putlitz,
Gisbert

Source Jahrbuch der Heidelberger Akademie der Wissenschaften, p 156-7

Date 12/31/2008

Abstract A death notice and brief biography of Dr. Stuhlinger (in German)

Series 2 Books by Ernst Stuhlinger

Series 2.1

Location Box 2

Title Books by Ernst Stuhlinger held by UAHuntsville

Author Stuhlinger, Ernst

Source Library Catalog

Date various

Abstract Books authored by Ernst Stuhlinger that can be found in the M. Louis Salmon Library.

Series 3 Documents of Ernst Stuhlinger

Series 3.1 Electric Propulsion

Series 3.11

Title Progress in Electric Propulsion Systems

Location Box 2

Author Stuhlinger,
Ernst

Source XI International Astronautical Congress, Stockholm, p651-670

Date 1960

Abstract We will divide this review into two parts: at first, we will consider the transportation capabilities of electric propulsion systems, and then we will discuss the present development status of the different kinds of electric propulsion engines.

Series 3.12

Title Electric Propulsion: A New Technology

Location Box 2

Author Stuhlinger,
Ernst; Seitz, Robert N.; Bucher, George C.; Heller, Gerhard B.

Source Astronautical Engineering and Science; Eds Stuhlinger, Ordway, McCall and Bucher

Date 1/1/1963

Abstract This is a chapter in the book honoring the fiftieth birthday of Wernher von Braun. Within the past few years, electric thrust devices have passed from exploratory feasibility experiments to the well-engineered flight mode phase.

Series 3.14

Title President John F. Kennedy visit to MSFC

Location Box 2

Author MSFC Public
Affairs Office

Source Marshall Space Flight Center

Date 5/18/1963

Abstract President John F. Kennedy visited the Marshall Space Flight Center on May 18, 1963. This folder has three 8x10 photographs. One shows the seated dignitaries for the President's remarks. Dr. Stuhlinger is on the front row near the right side of the photograph.

Series 3.15

Title Dr. Christian Bernard visit to MSFC

Location Box 2

Author MSFC Public
Affairs Office

Source Marshall Space Flight Center

Date 2/20/1970

Abstract Dr. Christian Bernard, the pioneer heart surgeon, visited the MSFC on February 20, 1970. These are three 8x10 photographs of Dr. Bernard with MSFC officials, including Dr. Stuhlinger.

Series 3.16

Title Electric Car Photographs

Location Box 2

Author UAH
photographers

Source UAH Johnson Environmental and Energy Center

Date 1977-1981

Abstract These are various photographs taken during the UAH research on electric cars directed by Dr. Stuhlinger

Series 3.17

Title Dr. Stuhlinger and UAH President Padulo

Location Box 2

Author UAH
photographer

Source University of Alabama in Huntsville

Date unknown

Abstract This 5x7 photograph shows UAH President Padulo and Dr. Ernst Stuhlinger outside on the UAH campus.

Series 3.2 Electric Automobiles

Series 3.21

Title Electric Commuter Car (COMCAR) Interim Report

Location Box 2

Author Stuhlinger,
Ernst

Source UAH Johnson Environmental and Energy Center

Date 8/15/1977

Abstract The Johnson Environmental and Energy Center is presently engaged in a user test and demonstration project with an electric automobile suited for an urban commuter car (COMCAR). The UAH is undertaking Project COMCAR with the intent of making a substantial contribution to the national efforts of (a) saving oil and (b) reducing air pollution.

Series 3.22

Title Letter to Honorable Sidney R. Yates, US House of Representatives

Location Box 2

Author
Stuhlinger, Ernst

Source UAH Johnson Environmental and Energy Center

Date 11/7/1980

Abstract The House Interior Appropriations Subcommittee has recommended deleting funds for additional demonstration vehicles in 1981. I would like to describe the present situation and to request that funds for this very urgent program not be cut.

Series 3.23

Title Ford Fairmont EVA Vehicle Evaluation Project

Location Box 2

Author Stuhlinger,
Ernst and Nowak, Dieter

Source UAH Johnson Environmental and Energy Center

Date 12/31/1980

Abstract Work on this project began on August 20, 1980 with the preparation of diagnostic instrumentation. The Ford Fairmont-EVA ("Current Fare") arrived on September 19. Project work ended on November 19. This report gives a summary of performance data.

Series 3.24

Title Electric Vehicles for Private Use-A Proposal for Action

Location Box 2

Author Stuhlinger,
Ernst

Source Electric Vehicle Council Symposium VI, Baltimore, MD

Date 10/21-23/1981

Abstract Electric vehicles have reached a state of technical development which makes them acceptable and satisfactory as intra-city transportation means for commercial and private users. A program of user projects is proposed which would create public awareness of EV's.

Series 3.25

Title Folder of Electric Car Documents

Location Box 2

Author Schroer,
Bernard

Source UAH Johnson Environmental and Energy Center

Date 1977-1981

Abstract This folder contains a collection of many documents and correspondence concerning the UAH electric car research from the office of Dr. Bernard Schroer. Dr. Stuhlinger was the electric car project leader.

Series 3.26

Title Electric Automobiles - Ready for the Market

Location Box 2

Author Stuhlinger,
Ernst

Source University of Alabama Huntsville

Date 1983

Abstract Although electric automobiles have been under development and testing for a considerable time, they are not yet ready for the market. Batteries, chargers, and controllers should be subjected to a rigorous program of quality assurance. Marketability will probably be reached within a few years.

Series 3.3 Space Science

Series 3.31

Title Meteoroid Measurements with Project Pegasus

Location Box 2

Author Stuhlinger,
Ernst

Source NASA MSFC Director Research Projects Laboratory

Date 11/4/1965

Abstract Presentation at the Northeast Electronics Research and Engineering Meeting, Boston MA. The prime objective of Project Pegasus is to measure, in the vicinity of the earth, the meteoroid penetration frequency in aluminum sheets of thickness which approach those of space capsule walls. Knowledge of the abundance of penetrating meteoroids in the near-earth space is an indispensable requirement for the designer of spacecraft.

Series 3.4 Space Operations

Series 3.41

Title Outlook to Space Travel

Location Box 2

Author Stuhlinger,
Ernst

Source ABMA Director Research Projects Office, Space Journal Vol 1 No 1 p 17-27

Date summer 1957

Abstract Although we do not have a space ship yet, we have a fairly clear idea of how an interplanetary vehicle would work and how it must be built.

Series 3.42

Title Apex Determination in Missile #29

Location Box 2

Author Stuhlinger, Ernst

Source ORDAB-DV, Director Research Projects Office, Disposition Form

Date 2/24/1958

Abstract A preliminary comparison is presented of the apex time computed during firing with the apex time presently available from post-firing trajectory evaluation. The apex was computed after burnout of Stage I on the basis of four different and independent measurements: a. Doppler measurements, b. S-Band radar, c. C-Band radar, and d. Acceleration with missile-borne accelerometer. The determined ignition signal time was 403.5 sec and the ignition time confirmed from telemetry was 403.7 sec. Currently available post-flight evaluations of the data for Missile 29 indicate a correct ignition time of 411.7 sec.

Series 3.43

Title Army Participation in the National Satellites and Space Projects

Location Box 2

Author Stuhlinger, Ernst

Source ABMA Director Research Projects Laboratory

Date 6/9/1959

Abstract Presentation at the Semi-Annual American Rocket Society Meeting. The evolution of space activities in the USA which followed the Sputnik launching is probably without a similar precedent in history. What is the role of the United States Army in this impressive array of national space activities?

Series 3.44

Title First Steps into Space, 1946 – 1976

Location Box 2

Source Talk to AIAA, Huntsville, AL

Author Stuhlinger, Ernst

Date 1/16/1978

Abstract Dr. Stuhlinger was asked to describe, in the short space of thirty minutes, how man took his first groping steps into space during the past thirty years.

Series 3.45

Title Strategy for a Manned Mission to Mars

Location Box 2

Source Study supported in part by General Dynamics Space Systems Corp

Author Stuhlinger, Ernst

Date 5/26/1990

Abstract A manned mission to Mars is not merely an extension of previous manned space missions, it needs quantum jumps with respect to velocity increments, payload, distance to be traveled, length of mission time, complexity, and demands regarding safety of the astronauts.

Series 3.46

Title A Manned Mission to Mars

Location Box 2

Source The Space Summit, sponsored by UAH and National Space Club

Author Stuhlinger, Ernst

Date 6/3-6/1990

Abstract This is a set of illustrations for a talk, "Manned Mars Mission" with the primary objectives: Safe return of the astronauts, high yield for science, and first steps of a continuous program to explore Mars by man.

Series 3.47

Location Box 2

Title If Thomas Jefferson could talk to us today

Author Stuhlinger, Ernst

Source Stuhlinger, Ernst

Date 1/1/1992

Abstract Talk by Dr. Stuhlinger speaking as if he were Thomas Jefferson reviewing the status of the United States in 1992.

Series 3.48

Location Box 2

Title International Space Camp Presentation

Author Stuhlinger, Ernst

Source Space Camp, Space and Rocket Center

Date 8/1/1999

Abstract I always feel at home among teachers, so it is a particular pleasure for me to talk to you about some of the events that have led to the Saturn-Apollo flights, and to the International Space Station.

Series 3.49

Location Box 2

Title Wernher von Braun, the Rocket Team and US Space Exploration 1945-1977

Author Panel: Christensen, David; Stuhlinger, Ernst; Dannenberg, Konrad; Dahm, Werner

Source

Date 10/23/2003

Abstract The Huntsville-Madison County Library sponsored a series of discussions 'A Century of Flight, the Rocket City Connection'. This series included several panel discussions, of which this is one. It was introduced by Bob Ward, former editor of the Huntsville Times, who offered a diverse presentation on the importance of von Braun's rocket team to America's space program and national defense.

Series 3.5 Von Braun Research Hall

Series 3.51

Location Box 2

Title Memorandum to von Braun Hall Committee Members

Author Morgan, Derald

Source UAH Office of University Advancement

Date 5/16/2000

Abstract A committee was formed to plan events for the dedication of von Braun Research Hall at UAH. This memo lists the committee members and acknowledges the successful dedication of the Hall. Ernst Stuhlinger was a key member of the committee.

Series 3.52

Location Box 2

Title Working paper

Author Stuhlinger, Ernst

Source Suggested changes for the von Braun Research Hall Timelines

Date 3/20/2000

Abstract In this working paper to the von Braun Hall planning committee, Dr. Stuhlinger suggests a number of changes to the draft timeline for the displays being prepared for the dedication of von Braun Hall.

Series 3.53

Location Box 2

Title Remembering Sputnik

Author Stuhlinger, Ernst

Source IEEE Spectrum, Stuhlinger interview by Kieron Murphy Date 1/1/2007

Abstract Kieron Murphy of IEEE magazine Spectrum interviewed Dr. Stuhlinger on the fiftieth anniversary of the launch of Sputnik 1.

Series 3.54

Location Box 2

Title Letter to Mrs. Christel McCanless

Author Stuhlinger, Ernst

Source Stuhlinger home address; 3106 Rowe Drive, Huntsville, Al 35801 Date 8/8/1999

Abstract In this letter, early in the planning for von Braun Research Hall, Dr. Stuhlinger relates his thoughts on this topic.

Series 3.6 Historical Subjects

Series 3.61

Location Box 2

Title Russia - Winter, 1942 – 1943

Author Stuhlinger, Ernst;

translated from German by Max Nein

Source Private account by the author

Date 1942-3

Abstract This is an account by Ernst Stuhlinger of his experience in the German Army on the Russian front during the winter of 1942 - 1943. Upon his return to Germany from the Russian front, he found an order to report immediately to Peenemunde to work on a high priority technical war project.

Series 3.62

Location Box 2

Title Why Space? Because [Reprint of letter to Sister Mary]

Author Stuhlinger, Ernst

Source National Space Club, Huntsville Committee

Date 5/6/1970

Abstract In 1970, Dr. Stuhlinger, then associate director for science at MSFC, received a letter from Sister Mary Jucunda in Zambia asking how he can suggest the expenditure of billions of dollars for a voyage to Mars at a time when many children on this Earth are starving to death. This is his answer, reproduced for distribution by the National Space Club.

Series 3.63

Location Box 2

Title Space Flight Projects - Today and Tomorrow

Author Stuhlinger, Ernst

Source NASA MSFC

Date 5/2/1963

Abstract NASA Symposium on Scientific and Technical Information, Atlanta, GA. The major development project at the MSFC in Huntsville is the Saturn Project. It consists presently of three family members: The Saturn I, The Saturn IB and the Saturn V.

Series 3.64**Location Box 2**

Title Rocket and Space Work in Huntsville during the 1950's

Author Stuhlinger,
Ernst

Source Fireside Chat at the University of Alabama Huntsville

Date 3/16/2000

Abstract When the 400 rocket people from Texas moved to Huntsville in the summer of 1950, it was more than a geographical change. Dr. Stuhlinger reviews the activities of this group during their first decade in Huntsville.

Series 3.65**Location Box 2**

Title Clipping; Stuhlinger envisioned Mars path

Author Cumbow,
Victoria and McLaughlin, Budd; Times staff writers

Source The Huntsville Times

Date 5/27/2008

Abstract The late rocket scientist, who was Wernher von Braun's science advisor, had conceived an ion propulsion-based spacecraft for a mission to Mars.

Series 3.66**Location Box 2**

Title Clipping, von Braun no hero, but was rocket genius

Author Stuhlinger, Ernst

Source The Huntsville Times

Date 6/26/2008

Abstract This article was written by Ernst Stuhlinger for "Community Focus" in the Oct. 14, 1995 edition of the Times. Stuhlinger, an original member of the Dr. Wernher von Braun rocket team, died Sunday after a long illness.

Series 3.67**Location Box 2**

Title Introduction Chapter

Author Stuhlinger, Ernst

Source Space Science and Engineering, Eds Stuhlinger and Mesner

Date 1/1/1965

Abstract This is the introduction chapter of a book based on the two-semester course on space technology taught at Washington University in St Louis during 1960-61. The list of accomplishments in space was still modest at that time, but it was obvious that the space age was here to stay.

Series 3.68**Location Box 2**

Title Clipping, Rocket team's critics misrepresent the facts

Author Stuhlinger,
Ernst

Source The Huntsville Times

Date 7/26/1999

Abstract Beginning in the 1980's, essays, books, letters to editors and other literary products appeared whose authors try to vilify men and women who had accomplished great things in the past. Those who chose Wernher von Braun and Peenemuende as their target give free rein to their fantasy, ignoring or denying well-established historical facts and pointing instead to unreliable and questionable "documents" or documents which they thoroughly misinterpret or misunderstand. --- Wernher von Braun went to jail rather than to submit to the wishes of the SS.--von Braun is fully acquitted.

Series 4 Ernst Stuhlinger Interviews and presentations

Series 4.1 Audio Interview for the *Stages to Saturn* book by Roger Bilstein

Series 4.2 Video Interview for Donald Tarter and APT

Series 5 Documents about Ernst Stuhlinger

Series 5.1 General Documents

Series 5.11

Location Box 3

Title A Critical History of Electric Propulsion:(1906-1956) Author Choueiri, E. Y.

Source Journal of Propulsion and Power, Vol 20, No. 2 Date 3/4/2004

Abstract This historical paper discusses the role of Ernst Stuhlinger in the development of electric propulsion.

Series 5.12

Location Box 3

Title A Global Imperitive: We Must Go!

Author Som, Sanjoy

Source IAC-08-B3.1.10

Date Oct-08

Abstract Sanjoy Som presented this paper at the 2008 International Astronautical Congress. He cited substantially the 1970 Stuhlinger letter to Mary Jucunda, a nun from Zambia. In it, he answered the question "Why is so much money spent on space exploration when there are so many problems right here on Earth?". Som states that to his knowledge, Ernst's response is the most through and complete answer to this question.

Series 5.2 Newspaper Clippings

Series 5.21

Location Box 3

Title Comet Described by Dr. Ernst Stuhlinger

Author Stuhlinger, Ernst

Source Explorer, Alabama Section, AIAA, Vol 11, No 1 Date 10/31/1973

Abstract At the AIAA Alabama Section meeting on November 14, 1973 at the Redstone Officer's Open Mess Dr.Stuhlinger will give a one-hour presentation on comets with emphasis on the newly discovered Comet Kohoutek.

Series 5.22

Location Box 3

Title Von Braun Astronomical Society, communications

Author Christensen, David
and Norman, Richard

Source Von Braun Astronomical Society

Date 6/18/-7/4 /2008

Abstract Dr. Stuhlinger was a founding member of the Rocket City Astronomical Society, later the Von Braun Astronomical Society. These are emails between David Christensen and members of the VBAS concerning Dr. Stuhlinger's participation in establishing the Society and its observatory.

Series 5.23

Location Box 3

Title Clipping; Von Braun rocket team member wins award

Author Staff
Reporters

Source The Huntsville Times

Date n/n/2002

Abstract Dr. Ernst Stuhlinger of Huntsville, an original member of von Braun's rocket team has received the first annual Alabama-Germany Partnership Rainer Baur Award.

Series 5.24

Location Box 3

Title New Beginning Set in German Space Work

Author Austin, Bill; Times
staff writer

Source The Huntsville Times, p 1-2

Date 4/25/1962

Abstract Professor Siegfried Balke, minister for Atomic Energy of the Federal Republic of Germany and since the first of the year responsible for space research, is in Huntsville for a visit to the Marshall Space Flight Center. The article has a photograph of Professor Balke and Dr. Ernst Stuhlinger.

Series 5.25

Location Box 3

Title Huntsville and the Space Program; The Beginning through 1960

Author

Wright, Mike

Source Alabama Heritage, p 32-46

Date spring/1998

Abstract This article in the magazine Alabama Heritage, has a photograph on pages 40-41 showing Dr. Martin Schilling, Dr. Ernst Stuhlinger and Dr. Wernher von Braun when they signed certificates of United States citizenship on April 14, 1955.

Series 6 Photographs

Series 6.11

Location Box 4

Title Col. Paul, Charles A. Lundquist and Ernst Stuhlinger

Author ABMA
photographer

Source Army Ballistic Missile Agency

Date 10/21/1958

Abstract This 8x10 photograph shows Col. Paul presenting an award to Dr. Charles Lundquist while Dr. Stuhlinger watches.

Series 6.12

Location Box 4

Title Maj. Gen Medaris and ABMA directors

Author ABMA photographer

Source Army Ballistic Missile Agency

Date 1/u/1960

Abstract This 8x10 photograph shows Major General John Bruce Medaris and the directors of ABMA organizations in January 1960. Dr. Stuhlinger is on the far left of the photograph.

Series 6.13

Location Box 4

Title Maj. Gen. Charles W. Eifler transfer from Redstone Arsenal

Author MSFC Public
Affairs Office

Source Marshall Space Flight Center

Date 9/18/1969

Abstract Dr. Wernher von Braun presenting a humorous certificate to General Charles W. Eifler upon his reassignment from Huntsville to Europe. Dr. Stuhlinger is watching the ceremony.

Series 6.14

Title ABMA Directors with Explorer I model

Source Army Ballistic Missile Agency

Abstract This 8x10 photograph shows Major General John Bruce Medaris, Dr. Wernher von Braun, Eberhard Rees, [seated] Willi A. Mrazek, Dr. Walter Haeussermann and Dr. Stuhlinger [standing] with a model of the Explorer I satellite. These individuals at ABMA were primarily responsible for the launch of Explorer I, the first US satellite.

Location Box 4

Author ABMA photographer

Date 2/un/1958

Series 6.15

Title 1950-1970 Space Chronology

Source Von Braun Research Hall

Abstract Set of copies of the posters displayed in Von Braun Research Hall for the dedication of the renaming of Von Braun Research Hall.

Location Box 4

Author UAHuntsville

Date 1995

Series 6.16

Title Oberth, von Braun, Toftoy, Wiesmann, Stuhlinger

Source Ursula Vann gift

Abstract This photograph shows General Toftoy, Dr. Wernher von Braun, Walter Wiesmann and Dr. Stuhlinger with rocket models.

Location Box 4

Author ABMA photographer

Date

Series 6.17

Title Students and first issue of Space

Source Army Ballistic Missile Agency

Abstract Copy of a photograph showing students with the first issue of Space. Dr. Oberth, Dr. von Braun, Dr. Stuhlinger are among those photographed, along with student Dave Christensen.

Location Box 4

Author

Date

Series 6.18

Title Stuhlinger with his electric car

Source

Abstract Photograph shows Dr. Stuhlinger with the electric car.

Location Box 4

Author

Date

Series 6.19

Title Electric car

Source

Abstract Photograph of electric car.

Location Box 4

Author

Date

Series 6.20

Title Stuhlinger Recognition Symposium Poster

Source

Abstract Stuhlinger Recognition Symposium Poster for the occasion of the Symposium held on Nov. 18, 2008.

Location Box 4

Author UAHuntsville

Date Nov. 18, 2008