

FINDING AID FOR THE JOHN M. TREBES PAPERS, 1962-1992 (#2013-0001)

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 # 2013-0001

Title John M. Trebes Papers

Creator John M. Trebes

Co-Creator Alyce E. Dillinger

Inclusive Dates: 1962-1992

Bulk Dates: 1965-1985

Extent (300): 5 linear ft (8 boxes)

Language (546): English

Administrative Information

Restrictions on Access (546) None

Restrictions on Use (540) None

Acquisition Information (541) Acquired from Rebecca Wright, JSC History Office, January 2013

Processed by (583) UHCL Archives Staff

Preferred Citation (524) John M. Trebes Papers (#2013-0001), UHCL Archives, University of Houston-Clear Lake.

Biographical/Historical Note (545)

John M. Trebes was born on July 1, 1932, in New London, Connecticut. He worked as an aerospace engineer at NASA for 30 years. He was Space Station mockup manager for the Man-Systems Division at NASA Johnson Space Center in Houston, Texas, around 1986. He also served as the preflight adaptation trainer (PAT) at Johnson Space Center. Trebes was chairman of the American Institute of Aeronautics and Astronautics from 1990 to 1991. John Trebes died on July 25, 2002.

John Trebes married Alyce E. Dillinger, who worked for Lockheed Electronics Company during the Apollo Program. In 1962, she worked for NASA's Preflight Operations Division at the Manned Spacecraft Center

in Houston. In 1963, she worked for the organization's Flight Operations Division. Dillinger was born on September 25, 1930. Alyce Dillinger Trebes died on October 30, 2012.

Scope and Content (520)

The collection contains materials spanning across the NASA careers of husband and wife John Trebes' and Alyce Dillinger Trebes. It includes information on the Preflight Adaptation Trainer (PAT), Apollo Earth Landing System, Apollo Program training, Space Shuttle program, Life Sciences Directorate, and NASA-related photographs.

Index Terms (6xx):

Personal Names: Trebes, John M.

Corporate Names National Aeronautics and Space Administration, Johnson Space Center, Northrup Ventura, Space and Life Sciences Directorate, Lockheed Electronics Company, Space Ventures, Inc., Northridge Enterprises, Canadian Space Agency, Kansas Cosmosphere and Space Center, National Space Development Agency of Japan, Clear Lake Council of Technical Societies, American Institute of Aeronautics and Astronautics, North American Aviation

Subjects: Preflight Adaptation Trainer (PAT), Earth Landing Systems, Apollo, Space Shuttle

Places: Houston, Texas

Document Types: Activity reports, minutes, articles, photographs, negatives, correspondence, letters, notes, field manuals, debriefings, development reviews, design features, brochures

Functions

Arrangement (351): Chronological

Inventory

| <u>Box</u> | <u>Folder</u> | <u>Title</u> | <u>Dates</u> |
|------------|---------------|--|---------------|
| 1 | 1 | Preflight Adaptation Trainer (PAT) Documentation, Folder 1/2 | 1984-89 |
| 1 | 2 | Preflight Adaptation Trainer (PAT) Documentation, Folder 2/2 | 1984-89 |
| 1 | 3 | Preflight Adaptation Trainer (PAT) Administrative/Correspondence | 1989-90 |
| 1 | 4 | Preflight Adaptation Trainer (PAT) Activity Reports | 1989-90 |
| 1 | 5 | Preflight Adaptation Trainer (PAT) Meeting Minutes | April 1990 |
| 1 | 6 | Preflight Adaptation Trainer (PAT) Articles | 1988 |
| 1 | 7 | Preflight Adaptation Trainer (PAT) Photographs and Negatives | 1989 |
| 1 | 8 | North American Aviation Interoffice Letters Earth Landing Systems | 1962-1965 |
| 1 | 9 | Apollo Earth Landing System Boilerplate 12 (BP 12) Revised Northrup Ventura | 1964 |
| 1 | 10 | Earth Landing System (BP 12) | Undated |
| 1 | 11 | Apollo Earth Landing System Boilerplate 22 (BP 22) Revised Northrup Ventura | 1964 |
| 1 | 12 | Earth Landing Subsystem (BP 22) T. McPherson 1 st Draft | May 28, 1965 |
| 1 | 13 | Apollo Earth Landing System Boilerplate 23 (BP 23) Revision B Northrup Ventura | 1964 |
| 1 | 14 | Earth Landing Subsystem (BP 23) | Undated |
| 1 | 15 | Memo: BP 23 Earth Landing Subsystem Flight Readiness (with revisions) | Undated |
| 1 | 16 | Earth Landing Subsystem (BP 23-A) | Undated |
| 1 | 17 | WSMR Apollo Flight Program Mission A-003 Summary | Undated |
| 1 | 18 | Doppler Effect-Trebes's Notes | Jan. 20, 1967 |
| 1 | 19 | Radiation-Trebes's Notes | 1990: Undated |

| | | | |
|---|----|---|------------------|
| 1 | 20 | Static Tension Factor vs. Incline Angle Graph and Notes-Trebes | Undated |
| 1 | 21 | Wing Sketch and Note-David L. Jones to Trebes | Jan. 16, 1970 |
| 1 | 22 | Selected Parachute Diagrams, Figures, and Articles | 1964, Undated |
| 1 | 23 | Winzen International Balloon Booklet | Undated |
| 1 | 24 | Simulator Sickness Field Manual Mod 3-Naval Training Systems Center-Orlando, Florida | Aug. 1988 |
| 2 | 1 | Memorandum: MA-7 Communications-Text with Time Correlations | May 31, 1962 |
| 2 | 2 | MA-8/16 MCC Countdown Final Draft | Sept. 4, 1962 |
| 2 | 3 | Memorandum MA-6 Pilot's Debriefing | Undated |
| 2 | 4 | Report on the Results of the MA-6 Flight in the Field of Space Science—John O'Keefe | Undated |
| 2 | 5 | Lesson Plans-Apollo Systems-Flight Control Division Qualification Program | May 21, 1965 |
| 2 | 6 | Apollo Training: Apollo Spacecraft & Systems Familiarization | Apr. 1, 1966 |
| 2 | 7 | Apollo Training: Structures and Mechanical Subsystems | Apr. 1, 1966 |
| 2 | 8 | Gemini Summary Conference Program | Feb. 1967 |
| 2 | 9 | High-Altitude Particle Physics Experiment-Descent System Flight Test Program Plan | Oct. 14, 1968 |
| 2 | 10 | A Biomedical Program for Extended Space Missions | May 1969 |
| 2 | 11 | Aerospace Physiological Training Outline | Sept. 1969 |
| 3 | 1 | Views from the Spacecraft During the Flight of Apollo 15, Launched July 26, 1971 | May 17, 1971 |
| 3 | 2 | Space Shuttle-Service to Mankind-Earth Resources Development Review | Nov. 1972 |
| 3 | 3 | Skylab Presentation Reference | May 1973 |
| 3 | 4 | Space Shuttle Main Engine-Design Features (BC 74-81) | Jul. 1974 |
| 3 | 5 | Space Shuttle Main Engine-Design Features | Mar. 1975 |
| 3 | 6 | Apollo Program Summary Report | Apr. 1975 |
| 3 | 7 | Space Shuttle System Summary (SS v. 76-32) | Jul. 1976 |
| 3 | 8 | Space Environment Workshops for Life Scientists, Anaheim, CA | Apr./May 1980 |
| 3 | 9 | EVA PLAC Contingency Tools Description Document-Orbital Flight Test | Jan. 1981 |
| 4 | 1 | Functions and Facilities—Space and Life Sciences Directorate | Jan. 1983 |
| 4 | 2 | Life Sciences Project Division—JSC | Oct. 28, 1986 |
| 4 | 3 | EVA Space Construction: Experience and Fundamental Issues (Trebes Notes on Back) | Nov. 2-5, 1987 |
| 4 | 4 | Medical Considerations for Sixteen-Day Missions | Feb. 4, 1988 |
| 4 | 5 | Human Research Policy and Procedures for Space Flight Investigations | Mar. 1988 |
| 4 | 6 | Science and Applications on the Space Station | Mar. 1988 |
| 4 | 7 | Space Station Science and Applications Utilization Plan for U.S. Users | Aug. 1988 |
| 4 | 8 | Earth Resources Technology Satellite—Reference Manual, General Electric | Undated |
| 4 | 9 | Checkout Criteria and Requirements for Manned Spacecraft—Lanzkron and Fischer, AIAA/AFLC/ASD Support for Manned Flight Conference, Dayton, Ohio | Apr. 21-23, 1965 |
| 4 | 10 | A Collection of Papers on Spacesuits and Human Performance Space Division—Chrysler Corporation | Aug. 16, 1965 |
| 4 | 11 | The Crystal Field Theory by T.A. Barnes, Ph.D, and R.M. Hedges, Ph.D, Lockheed Electronics Company | Nov. 1966 |

| | | | |
|---|----|--|-----------------|
| 4 | 12 | Interplanetary Navigation—Mickelwait, Tompkins, and Park | Undated |
| 4 | 13 | Range of Motion—Neck and Shoulder Exercises | Undated |
| 4 | 14 | Dillinger—Commentator Point Assignment for Spacecraft 16 (MA-8)—Revision A | Apr. 20, 1962 |
| 4 | 15 | Dillinger IRIG Standard Format “C” Drawn By Alyce E. Dillinger | Aug. 29, 1962 |
| 4 | 16 | Dillinger Time and Calibration Notes | Undated |
| 4 | 17 | Dillinger MA-8 Range Calibration Reruns | Undated |
| 4 | 18 | F.B. Harrison—Reprint of “Liquid Scintillation Counting” with Note | 1958 |
| 4 | 19 | Dillinger—NASA Group Achievement Award to the Preflight Operations Division (Two Copies) | Oct. 25, 1962 |
| 4 | 20 | Dillinger—Letter from Christopher Kraft (Chief, Flight Operations Division) Regarding Project Mercury and the Flight Operations Division | Apr. 23, 1963 |
| 4 | 21 | Dillinger—Ballistic/Space Tenth Data Anniversary | May 6, 1967 |
| 4 | 22 | Dillinger—NASA Apollo Achievement Award to A.E. Dillinger | Jul. 20, 1969 |
| 4 | 23 | Dillinger—NASA-MSC Certificate of Appreciation to Lockheed Electronics Company for Outstanding Contributions to the Apollo Program | Jul. 1969 |
| 4 | 24 | Dillinger—Cards and Notes | Undated |
| 5 | 1 | Life Sciences Booklets and Brochures | Undated |
| 5 | 2 | Lunar Flight Plan Brochure | 1967 |
| 5 | 3 | Lunar Science and the Moon Samples Brochure | May 1976 |
| 5 | 4 | Landsat Brochure | 1976 |
| 5 | 5 | Spacelab and Space Program Spinoffs Information Summaries | 1986/1987 |
| 5 | 6 | Spacehab | 1986, 1988 |
| 5 | 7 | Missile/Rocket Advertisements—Artist R.C. Swanson | 1959-1960 |
| 5 | 8 | Hexagonal Prism Concept—Space Ventures, Inc. | Jul. 21, 1986 |
| 5 | 9 | Northridge Enterprises Flier—“An Original ‘Piece of the Moon’ Design” | Undated |
| 5 | 10 | Canadian Space Agency Information | 1986, Undated |
| 5 | 11 | Kansas Cosmosphere and Space Center | 1987-1991 |
| 5 | 12 | National Space Development Agency of Japan (NASDA) | 1992, Undated |
| 5 | 13 | Clear Lake Council of Technical Societies | c. 1990 |
| 5 | 14 | NASA Sustained Superior Performance Award | Jul. 22, 1985 |
| 5 | 15 | American Institute of Aeronautics and Astronautics—Houston Section, 12 th Annual Technical Symposium—Best Presentation, Session 4: Ground Test and Simulation | Jun. 4, 1987 |
| 5 | 16 | National Geographic—“First Photographs of Planets and Moon With 200-Inch Telescope” | Jan. 1953 |
| 5 | 17 | National Geographic—“Exploring Tomorrow with the Space Agency “ | Jul. 1960 |
| 5 | 18 | National Geographic—“How We Plan to Put Men on the Moon” | Mar. 1964 |
| 5 | 19 | National Geographic—First Explorers on the Moon (Full Issue) | Dec. 1969 |
| 5 | 20 | National Geographic—“Apollo 14: The Climb Up Cone Crater” | Jul. 1971 |
| 6 | 1 | National Geographic—“When the Space Shuttle Finally Flies” (Full Issue) | Mar. 1981 |
| 6 | 2 | National Geographic—“Columbia Closes A Circle” (Full Issue) | Oct. 1981 |
| 6 | 3 | Time—“To The Moon” Special Supplement | Jul. 18, 1969 |
| 6 | 4 | Time—“Man on the Moon” | Jul. 25, 1969 |
| 6 | 5 | Photographs—Trebes and Unidentified, 0734-65-41162, 0734-65-41165 | Undated, 1965 |
| 6 | 6 | Photographs—BP-22 Flite Packs | 1965, Undated |
| 6 | 7 | Photographs—50-13 Droque Pack | Undated |
| 6 | 8 | Photographs—B-52 Kirtland ELC | Jun. 1967 |
| 6 | 9 | Photographs—H1-Glide Canopies | c. 1967 |
| 6 | 10 | Photographs—U.S. Navy-Parachutes | 1952-1954, 1965 |
| 6 | 11 | Photographs—Parachute Related | 1963, 1974 |

| | | | |
|---|----|---|---------------|
| 6 | 12 | Photographs—NASA-Parachutes-BP-23 | 1964 |
| 6 | 13 | Photographs—NASA Parachutes | 1966-1970 |
| 6 | 14 | Photographs—NASA—PADE Project | Nov. 21, 1969 |
| 6 | 15 | Photographs—Alan Shepard Mission-Related (On Paper) | Undated |
| 6 | 16 | Photographs—NASA, general—1962, 1965, 1972, 1974, undated | |
| 6 | 17 | Photographs—"10 Seconds Over Patrick," Courtesy of Maj. G.J. Vanek | Undated |
| 7 | 1 | Souvenir, gift, or piece of equipment autographed and decorated with American flag | Undated |
| 8 | 1 | Newspaper articles about the first moon landing, schematic drawings and blueprints, Apollo parachute program photos, NASA lapel pin, records pertaining to Skylab and space Shuttle, promotional document for the space station, JSC photo through on excellence (this oversized box is located on a top shelf in the vault, separate from the rest of the collection) | Undated |