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Adelbert (Del) O. Tischler Collection

Record Group: RG 8 Propulsion Files
Series Title: Adelbert (Del) O. Tischler Collection

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Box Count: 28 boxes

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Location: 30/4/5 – 31/1/2; 3/1/2

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Series Description

This series consists of files of the National Aeronautics and Space Administration (NASA) official Adelbert (Del) Tischler. Records contain materials collected by Tischler primarily during his tenure in the 1960s as Director of (Rocket) Propulsion Developments in NASA's Office of

Manned Space Flight and in the Office of Advanced Research and Technology as Director of Shuttle Technologies, and as head of the Low Cost Systems Office 1972-1974.

Other materials collected regard his retirement from NASA and his consultancy with the European Space Agency (ESA) to help develop Spacelab and his reports as a contractor for United Aircraft and Pratt & Whitney in the late 1970s and early 1980s. The collection also includes correspondence on personal matters, post-retirement projects, between NASA officials, private sources, and other U.S. Government agencies, awards received and official trips. Specifically, this series contains correspondence files; reports; meeting files; speeches; congressional briefings and budget files; chemical propulsion studies; Space Shuttle program development; Space Shuttle design; Space Shuttle testing programs, including chemical propulsion studies; program management; Space Shuttle costs; Space Shuttle Solid Rocket Motor (SRM); and Single Stage To Orbit (SSTO). Also includes National Advisory Committee for Aeronautics (NACA) and NASA contractor reports and studies. Oral histories, photographs, slides, and electronic media are also included. The electronic files includes Jpeg photos of rocket engines, Tischler at conferences, awards, retirement, NACA baseball team, and Apollo and Mercury launches. The PDFs includes awards, articles, speeches, and his autobiography.

General Notes

The electronic files donated by the Tischler family are arranged chronologically then alphabetically, and all JP2 photos are available in Jpeg.

Keywords:

Chemical Propulsion; Saturn Launch Vehicles; Aerospace Industry; Program Management; Space Shuttle Program; US Air Force (USAF); Liquid Propulsion; Solid Rocket Propulsion; Advanced Research And Technology, Office Of (OART); Manned Space Flight, Office Of (OMSF); F-1 Rocket Engine; H-1 Engine; J-2 Engine; RL-10 Engines; M-1 Engine; Defense, Department Of (DOD); Solid Rocket Motors; Spacecraft Propulsion; Apollo Spacecraft; Launch Vehicle Programs, Office Of (OLVP); NASA Exceptional Service Medal; Lifting Bodies; Space Shuttle Design; Rocket Propulsion; House Subcommittee On Advanced Research And Technology; Space Flight Development, Office Of (OSFD); Rocketdyne Division; Western Operations Office (WOO); Apollo 1 [204] Fire; Interagency Cooperation; Advanced Research Projects Agency (ARPA); Us Army Ballistic Missile Agency (ABMA); Military Space Program; Pratt Whitney Aircraft (PWA) Division; Industry Affairs And Technology Utilization, Office Of (OIATU); Environmental Impact Statements; NASA Airborne Research Program; Personnel Management; Interagency Chemical Rocket Propulsion Group; Expendable Launch Vehicles (ELV); Recoverable Launch Vehicles (RLV); Space Shuttle Orbital Maneuvering System (OMS); Wright Air Development Command (WADC); Mercury Project; Manned Space Flight; House Subcommittee On Aeronautics And Space Technology; Space Shuttle Program; Program Management; Space Shuttle Heat Tiles; Lewis Research Center (LERC); National Advisory Committee For Aeronautics (NACA); Patents; Space Tugs; Fuel Cells; Spacelab; Planetary

Exploration; Interplanetary Exploration; Single Stage to Orbit Vehicles; Space Shuttle Costs; Low Cost Systems Office (LCSO); Space Shuttle Advanced Solid Rocket Motor (ASRM); European Space Agency (ESA); United Aircraft Corporation; Cryogenics; and Hunter, Maxwell W. II

Box and folder list

Series 1 – Tischler Family Donation Textual Files

Box 1

Tischler – Personal – Photos, memberships, personal reflections
Personal – correspondence & articles
TWA Flight 800
NACA
Retirement 1974
Patents

Box 2

Oral Histories #1
Oral Histories #2
1 organizer of index cards
1 organizer of business cards

Box 3

Milan 1963
Wyld Award July 1967
Awards and Commendations
XVth International Aeronautical Congress 1964
Space Transportation Systems – European Space Conference 1970

Box 4

Speeches, presentations, articles 1960-1965
Speeches, presentations, articles 1966-1984

Box 5

Speeches, presentations, articles 1986-1996

Box 6

Corr. Files 1962-1997
Reading Files 1968
Letters to George Low on Solid Tug

Box 7

Fuel Cells 1974
Energy – Hydrogen Economy Briefing Charts
Fuel Cell Correspondence 1973-1978

Box 8

Tischler –Spacelab Reports for Consultancy & Corr. Part 1
Tischler –Spacelab Reports for Consultancy & Corr. Part 2
ESC Folder

Box 9

Propulsion and Manned Mission Reports 1965-1967
Planetary Coordination Steering Group 1966
Planetary – Interplanetary Coordination Working Group 1966-1968

Box 10

AIAA Assessment of Innovative Technologies for SEI

Box 11

Max Hunter SSTO papers 1966-1990
SSTO Correspondence and presentations
[Handwritten notebook on thrust augmentation for SSTO 1990]

Box 12

Comsat Cost Approach
Where/What Costs
Procurement
Oct 17, 1972 OMB Presentation
Overhead
Organization
Standard Subsystems Organization
G&C Report
Cost/Performance Panel (Carley)
LCSO Schedule Chart
Cost Evaluation Team Members
Power Panel Report
Reduction of Shuttle Payload Cost (Memo by Greco, 10/12/72)
Long Life Spacecraft Implementation TOPS Project Purpose – JPL
Program Cost Format
Std. Initiator
Spec 10 (8) & 10 (9) Recorders Memo of Understanding

Box 13

EOS TIROS NIMBUS
Cost Symposium GSFC
Software-Intermetrics

Tape Recorder
Tape Recorder
EOS – GSFC Sept 22, 1972
MSFC Input Sortie Cuts CEP
IR&D
Total Problem Paper
Memo – A Study of Commonality
Significant Memos, Papers
Tischler Reading File – Costs
ASEB
Problems
Questions
Misc. Statements
Cost Reports/Statements

Box 14

Space Plan Presentation to Dr. Fletcher and Dr. Low December 6, 1971
Low Cost Program Office
Low Cost Effective Systems (Tischler)
Van Vleck Memo on Cost Motivation - Intro
Congressional Presentation – Original Submission for FY 74

Box 15

DA Trip Reports Original Paper
Cost Presentations and Meeting Reports
Cost Studies RCA/Ratel/Clements

Box 16

Working Panels – Cost Improvement
Space Cost Evaluation – Activities Reports – Questionnaire
Cost Reduction Studies correspondence 1972-1973

Box 17

Purcell's Charts – Modularization – Observatory Series
Memo to Centers – Project Justification
Tischler's Memo 1969 New Cost Systems
Cost Evaluation Chron Files 1972
S & C Report
Low Cost 1973-1976 Trips, Pioneer, reports

Box 18

Propulsion Review - MSFC/Research & Advisory Comm. Mtg. on Space Veh. 10/28/68
Propulsion Review – ACRE Meeting April 16-17, 1969 part 1
Propulsion Review – ACRE Meeting April 16-17, 1969 part 2

Box 19

Propulsion Review – MSFC Semi-annual Review OART Propulsion Technology Dec. 3-4, 1968

Propulsion Review – JPL Semi-annual Review Nov. 21-22, 1968

Box 20

FY65-66 Chemical Propulsion Office Budget and Programs

Chemical Propulsion Office Presentations 1981

Chemical Propulsion Budget Projections 1966

Advance Cryogenic Rocket Engines 1966

Chemical Propulsion Briefings, Conferences 1965-1980

Box 21

Chemical Propulsion Division 1962-1974 Space Shuttle Technology Office

United Aircraft Consultancy 1974-1976

Pratt and Whitney consultancy 1975-1982

Pratt and Whitney consultancy 1982-1988

Box 22

Aerodynamics Technology of Reusable Launch Vehicles – Draft February 25, 1966

NASA Space Shuttle Technology Conference July 15-17, 1970

Space Shuttle Studies 1965-1970

Box 23

Solid Rocket Motor 1965-1966

Advanced Solid Rocket Motor

Space Shuttle Operational Management Assessment Team – Propulsion Systems Sub-Group 1974-1975

Box 24

Space Shuttle Operational Management Assessment Team – Propulsion Systems Sub-Group Final Report 1975

Space Shuttle Operational Management Assessment Team – Propulsion Systems Sub-Group Review Notes 1975

Series 2 – Tischler Family Donation Audio-Visual**Box 1**

72 glass slides for a 1968 Space Transportation System Technology Program presentation

1 reel safety film

50 lantern slides marked “Apollo Mission – Most Current”

1 dictaphone tape dated 5/25/65

1 5” reel-to-reel tape “Made by Dr. Oslon Dec.11, 1968”

1 7” reel-to-reel tape “Edward Teller – Universe & Relativity” “Berlitz German Lesson”

1 7” reel-to-reel tape “Shuttle Payloads in the 80s 4/17/74”

1 film tin of diagrams

Box 2

1 box of slides for a propulsion presentation

1 box of lantern slides for "Program Review & Congressional Statement 71" negatives for "ESC Presentation Feb 16, 71"

Series 3 – Tischler NASA Historical Reference Collection Biography Series Files**Box 1**

#2328 - AOT'S Reading File (Jan-Dec '69)

#2329 - 1962 A. O. Tischler

#2330 - Tischler, A. O. (NASA Biog.)

#2331 - Tischler, A. O. (Speeches)

#2332 - A. O. Tischler (1962 Chron File - Aug-Dec)

Box 2

#2333 - 1963 Chron File (Mr. Tischler)

#2334 - Tischler (Reading File - Aug-Dec 1970)

#2335 - Tischler (Space Shuttle Propulsion)

Series 4 – Tischler Electronic Files Family Donation (Starts on next page)

Adelbert (Del) O. Tischler Electronic Files

Name	Size
1918-2017 Autobiography-A.O.Tischler-consolidated.pdf	5.2 MB
1918-2017 Autobiography, A Space Story written by A.O.Tischler (part 1).pdf	2.6 MB
1918-2017 Autobiography, A Space Story written by A.O.Tischler (part 2).pdf	4.6 MB
1918-2017 Autobiography, A Space Story written by A.O.Tischler (part 3).pdf	387 kB
1918-2017 Autobiography, A Space Story written by A.O.Tischler (part 4).pdf	1.6 MB
1918-2017 Autobiography, A Space Story written by A.O.Tischler (part 5).pdf	6.7 MB
1943-1957 NACA Baseball.pdf	1.3 MB
1943-1989 Tischler articles .pdf	6.5 MB
1945 National Advisory Committe for Aeronautics, Aircraft Engine Research Lab, Cleveland.jp2	1.6 MB
1945 National Advisory Committe for Aeronautics, Aircraft Engine Research Lab, Cleveland.jpj	466 kB
1945 National Advisory Committe for Aeronautics, Aircraft Engine Research Lab, Cleveland.pdf	406 kB
1945 War Training Program Certificates.pdf	101 kB
1949-1950 NACA Baseball Champs Jacket .jpg	1.7 MB
1949-1950 NACA Baseball Champs Jacket emblem.jpg	2.6 MB
1955 Belgium Collogium for Advisory Group for Aero Research and Dev- .jpg	963 kB
1955 Gas Dymanics Symposium C.jpg	1.1 MB
1955 Gas Dynamics Symposium.jpg	2.0 MB
1955 Gas Synamics Symposium B.jpg	946 kB
1956 Proceedings of the Gas Dynamics Symposium on Aerothermochemistry, NW University, Evanston, intro, 1956.pdf.pdf	559 kB
1956 Oscillatory Combustion in Rocket Propulsion Engines by Tischler and Male, Proc of the Gas Dynamics Symposium on Aerothermochemistry, NW University, Evanston, 1956.pdf	2.4 MB
1957 15 Year Award Letter.pdf	205 kB
1957 with engines.jpg	1.1 MB
1958 Letter to go to Washington on temporary duty.pdf	113 kB

Name	Size
1960 Rocketdyne engine.jp2	6.4 MB
1960 Rocketdyne engine.jpg	2.7 MB
1960 Rocketdyne engine.pdf	1.2 MB
1961 American Rocket Society Senior Membership certificate.jp2	1.6 MB
1961 American Rocket Society Senior Membership certificate.pdf	245 kB
1962 AIAA Fellow Award.jpg	1.3 MB
1962 America Rocket Society.jpg	1.2 MB
1962 Award, Fellow of the American Rocket Society copy.pdf	434 kB
1962 Direct Ascent vs Lunar Orbit Rendezvous 1.pdf	410 kB
1962 draft resignation.pdf	745 kB
1962 ML Crew 1.jp2	2.8 MB
1962 ML Crew 1.pdf	575 kB
1962 Resignation #2.pdf	137 kB
1962 Resignation.pdf	324 kB
1963 Liquid and Solid Propellants .pdf	4.3 MB
1964 Poland (continued) XV Inter Astronautical Congress, Propulsion for Lunar Descent and Ascent by Tischler and Flanagan.pdf	10.6 MB
1964 Poland XV Inter.pdf	6.6 MB
1965 AIAA Article, A New Leaf for Space Propulsion.pdf	1.1 MB
1965 Article on Tischler.pdf	492 kB
1965 letter of thanks from Raymond Bisplinghoff.pdf	174 kB
1965 portrait used in AIAA.jp2	425 kB
1965 portrait used in AIAA.pdf	101 kB
1966 AIAA Article, Applying.pdf	1.5 MB
1966 Article - Tischler's Topic, Chemical Propulsion.pdf	91.3 kB
1966 Letter on Article in Astronautics and Aeronautics Magazine.pdf	141 kB
1966 Lewis Research 25 Anniversary.jpg	1.5 MB
1967 AIAA Joint Specialists (Propulsion) Conference panel , _Propulsion for Manned Mars Missions_.pdf	975 kB
1967 Memo Nuclear vs Chemical Propulsion.pdf	423 kB
1967 Org Chart from Aerospace Technologies magazine.pdf	323 kB
1967 Sciences Techniques Article (in french), Space rockets with liquid propellants.pdf	3.6 MB
1967 Telecon with Harold Hornby.pdf	500 kB
1967 Wyld Award.jpg	1.2 MB
1967 Wyld Propulsion Award announcements, various.pdf	825 kB

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1967 Wyld Propulsion Award congratulations letters in date order.pdf	834 kB
1967 Wyld Propulsion Award speech.pdf	2.4 MB
1968 Apollo 8 signed by Frank Borman A.jp2	6.4 MB
1968 Apollo 8 signed by Frank Borman A.pdf	2.1 MB
1968 Apollo 8 signed by Frank Borman B.jp2	6.4 MB
1968 Apollo 8 signed by Frank Borman B.pdf	1.1 MB
1969 AIAA Article, A Commentary on Low-Cost Space Transportation.pdf	3.5 MB
1969 Apollo 11 congratuations.jp2	25.5 MB
1969 Apollo 11 congratuations.pdf	5.8 MB
1969 Apollo 11.Saturn V .jp2	6.4 MB
1969 Apollo 11.Saturn V .pdf	1.2 MB
1969 Articles.pdf	2.3 MB
1969 Commenerative coin, man on moon.jpg	2.1 MB
1969 Letter from Low on moon landing.jp2	2.8 MB
1969 Letter from Low on moon landing.pdf	392 kB
1969 Letter from Mueller on Landing Man on Moon.pdf	178 kB
1970 Aerospace Management, NASA's Major Challenges for the Seventies, article Developing the Technological Base for the Space Shuttle by AOTischler.pdf	1.1 MB
1970 newspaper article on Tischler speech.April 17.	
1970 Collegiate, Marshall University Student Newspaper.pdf	209 kB
1970 Space Programs and How They Benefit the Man on the Street by A.O. Tischler.pdf	4.9 MB
1971 AIAA Article, Definiing a Giant Step in Space Technology.pdf	921 kB
1971 Astronautics & Aeronautics, Space Shuttle with references to Tischler.pdf	905 kB
1971 Statement of AOTischler NASA before Committee on Science & Astronautics, House of Represenatives February 1971.pdf	8.6 MB
1971 Tischler keynote speaker, Huntsville, AL.jpg	2.0 MB
1972 AIAA Fellow.jp2	726 kB
1972 AIAA Fellow.pdf	108 kB
1972 Award for NASA Exceptional Service.pdf	197 kB
1972 exception service metal 1.jpg	1.6 MB
1972 exceptional service award.jpg	1.2 MB
1972 exceptional service metal 2.jpg	2.0 MB
1972 exceptional service metal.jpg	1.6 MB
1972 Flag that went to the Moon.jpg	1.8 MB
1972 letter written in 1981 about flag that went to the moon in 1972.jpg	1.4 MB

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1972 NASA Annual Honor Awards Ceremony, Shuttle Tech Team, Group Achievement.jpeg	87.1 kB
1972 NASA Annual Honor Awards Ceremony, Shuttle Tech Team, Group Achievement.pdf	285 kB
1972 NASA Space Shuttle Technology Team Group Achievement Award.jp2	1.3 MB
1972 NASA Space Shuttle Technology Team Group Achievement Award.pdf	200 kB
1972 Space Shuttle Technology Group Achievement Award.jp2	2.8 MB
1972 Space Shuttle Technology Group Achievement Award.pdf	760 kB
1973 15th Anniversary of NASA .jp2	2.8 MB
1973 15th Anniversary of NASA .pdf	1.5 MB
1973 AIAA Article, An Industry Challenge -- Low-Cost Space.pdf	624 kB
1973 Apollo 11 Nighttime Launch A.jp2	6.4 MB
1973 Apollo 11 Nighttime Launch A.pdf	4.8 MB
1973 Apollo 11 Nighttime Launch B.jp2	6.4 MB
1973 Apollo 11 Nighttime Launch B.pdf	957 kB
1973 Skylab Prime Crews (cont).jp2	2.8 MB
1973 Skylab Prime Crews (cont).pdf	668 kB
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1974 (continued) Fuel Cells in the National Power Generation Scene by Tischler .pdf	4.0 MB
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1974 Mercury by Mariner A.jp2	6.4 MB
1974 Mercury by Mariner A.pdf	1.1 MB
1974 Mercury by Mariner A2.jp2	357 kB
1974 Mercury by Mariner A2.pdf	90.9 kB
1974 Mercury by Mariner B.jp2	2.8 MB
1974 Mercury by Mariner B.pdf	550 kB
1974 Mercury by Mariner B2.jp2	2.0 MB
1974 Mercury by Mariner B2.pdf	779 kB
1974 Mercury by Mariner C.jp2	2.8 MB
1974 Mercury by Mariner C.pdf	632 kB

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1974 Mercury by Mariner C2.jp2	742 kB
1974 Mercury by Mariner C2.pdf	195 kB
1974 On Expanding the Space Program 6.19.74.pdf	332 kB
1974 Retirement 1.jp2	1.6 MB
1974 Retirement 1.pdf	509 kB
1974 Retirement 10.jp2	1.6 MB
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1974 Retirement 9.pdf	271 kB
1974 Retirement card plus 3 additional signature pages.pdf	504 kB
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1974 Tischler interview by Sloop .pdf	15.1 MB
1975 AIAA Article, Which Way to Shuttle Upper Stages.pdf	3.1 MB
1975 Astronautics & Aeronautics, July, Aug 1975, Which Way to Shuttle Upper Stages.pdf	2.8 MB
1975 Space Propulsion-Liquid Chemical Rockets (draft) dated 2.18.1975 by AOTischler.pdf	1.6 MB
1976 Tischler 30 year service award.jpg	1.6 MB
1978 AIAA Annual Meeting 0.pdf	59.9 kB
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1978 AIAA Annual Meeting 1.pdf	342 kB
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1978 AIAA Annual Meeting 6.pdf	360 kB
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1978 AIAA Annual Meeting 7.pdf	272 kB
1979 10th anniversary of moon landing.jpg	1.3 MB
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1979 Tenth Anniversary of moon landing.jpg	2.2 MB
1981 Flag flown aboard Space Shuttle Columbia.jpg	1.8 MB
1981 International Astronautical Federation (IAF) '81 held in Rome September 1981, Preprint, Cost Reduction Potential in Space Program Management by A.O.Tischler.pdf	2.5 MB
1981 International Astronautical Federation (IAF) '81 Rome, paper presented and published, Cost Redcution Potential in Space Program Management.pdf	1011 kB
1981 letter about Flag flown aboard Columbia.jpg	1.6 MB
1981 NASA Tischerl Certificate of Appreciation.jpg	1.3 MB
1982 Report on Spice, FSLP dated 3.26.1982 by A.O. Tischler.pdf	2.2 MB
1982 Report on Spice, FSLP dated 3.26.1982 by A.O.Tischler (continued).pdf	3.4 MB
1983 Conference in Orlando, Florida.jp2	176 kB
1983 Conference in Orlando, Florida.pdf	79.2 kB
1983 Dual Fluid Cycle, Test Results of a Steam Injected Gas Turbine by AOTischler and RLMesslerlie dated August 1983.pdf	3.1 MB
1984 ACTA Astronautica, Journal of International Academy of Astronautics, May 30, 1984.pdf	1.1 MB
1984 Cost Reduction Potential in Space Managment by Tischler .pdf	971 kB
1985 International Astronautical Federation (IAF) 1985 Stockholm brochure.pdf	167 kB
1986 Shuttle Disaster dated March 11, 1986.pdf	2.2 MB
1988 Correspondence to Frank McAbee on P&W Problems with SSME and Beyond.pdf	1.7 MB
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1989 Article - Apollo 11, 20th anniversary review.pdf	447 kB
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Apollo Manned Mission Emblems.jp2	6.4 MB
Apollo Manned Mission Emblems.pdf	2.9 MB
Article clip, Low Cost Evaluation meeting.jp2	2.8 MB
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Article, Economy Jet Planned by NASA, Rotary Told.pdf	182 kB
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dad.bio.pdf	491 kB
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TWA Flight 800 and Swissair Flight 111 by A.O.Tischler.pdf	699 kB
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1955 Belgium Collogium for Advisory Group for Aero Research and Dev- .jpg	963 kB
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1960 Rocketdyne engine.pdf	1.2 MB
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1961 American Rocket Society Senior Membership certificate.pdf	245 kB
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1962 ML Crew 1.jp2	2.8 MB
1962 ML Crew 1.pdf	575 kB
1962 Resignation #2.pdf	137 kB

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1963 Liquid and Solid Propellants .pdf	4.3 MB
1964 Poland (continued) XV Inter Astronautical Congress, Propulsion for Lunar Descent and Ascent by Tischler and Flanagan.pdf	10.6 MB
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1965 AIAA Article, A New Leaf for Space Propulsion.pdf	1.1 MB
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