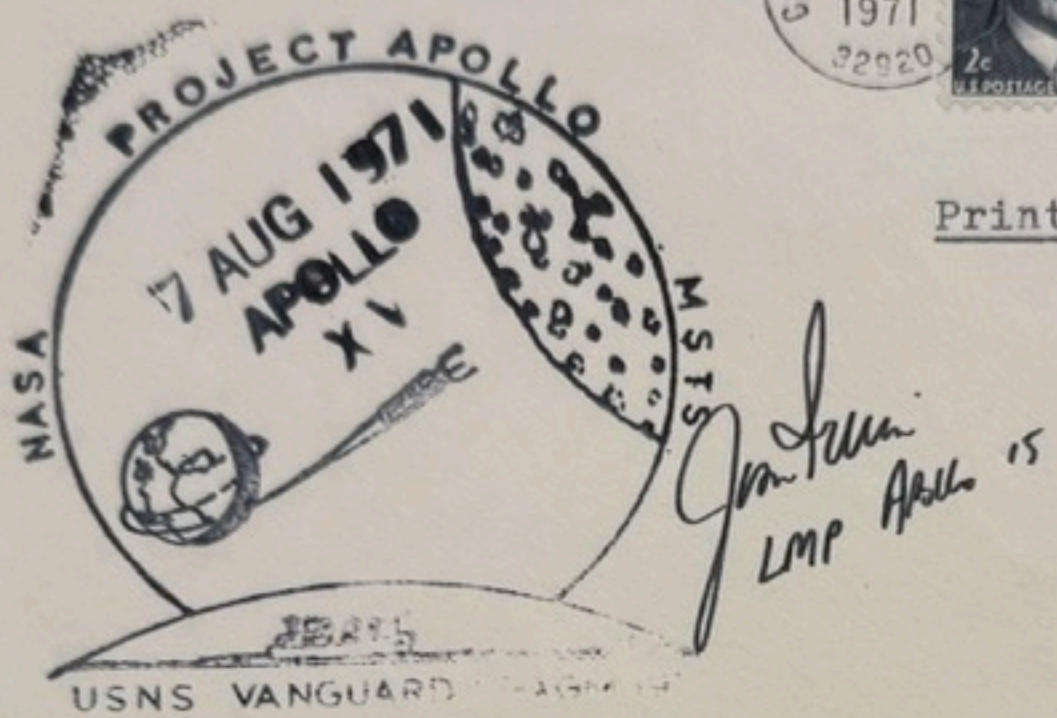
NASA Beobachtungs-Schiff mit MSFN-Station "USNS Vanguard"+Apollo-Cachet
+ Unterschrift vom LM-Pilot James B.Irwin.



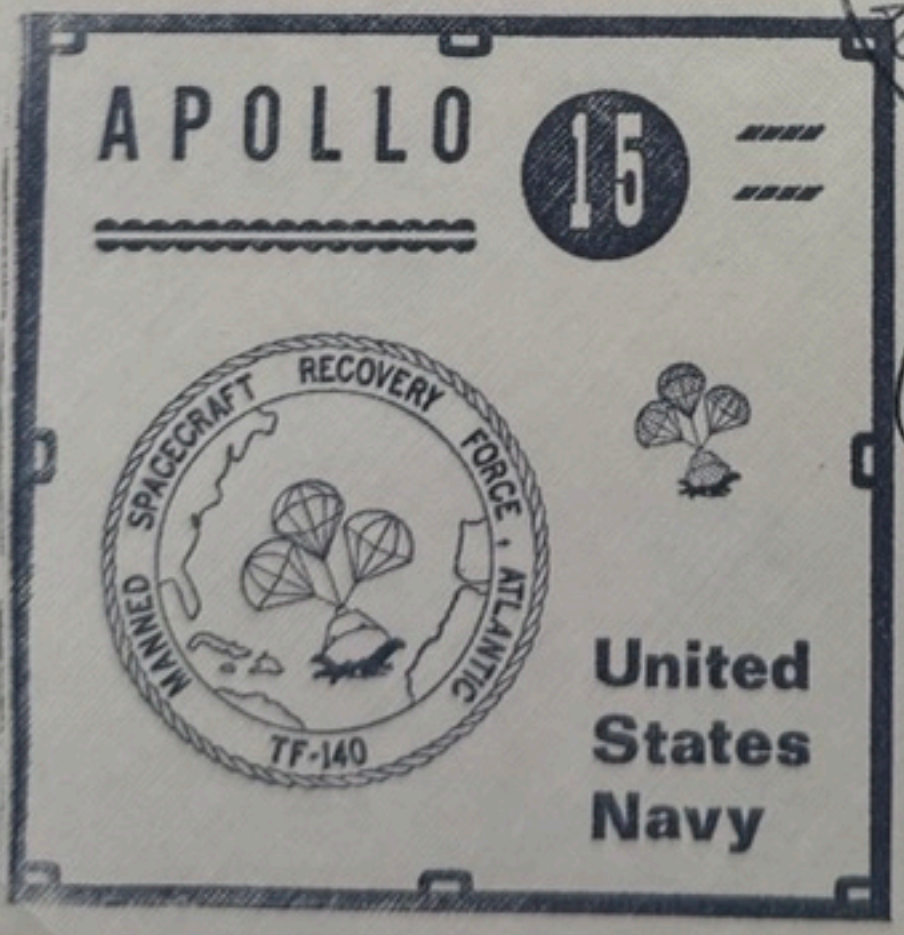




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Jim Irwin
LMP Apollo 15

Ch. Sydow
1 Berlin 10
Mindener Str. 26
Germany




Jim Irwin
Apollo 15

Printed matter

Mr.Tesch Leopold jun.
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Bergungs-Schiff der MSRF-TF-140 Atlantik " USS Austin (LPD -4)+NASA
Cachet+Unterschrift vom LM-Pilot James B.Irwin.










Printed matter

Ms. Maria Hejl
Leebgasse 100/5/1/4
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Nebenbergungs-Schiff"USS Kawishiwi OA-146"+Handschiffstempel+NASA-
"Apollo 15"Missions-Cachet II Pazifik+ OU.v.Kommdt.David R. Scott.

"Apol
gener
gange

Launch-day.MSFN-Tracking-Station Goldstone Barstow California USA.
with signature CSM-pilot Alfred Worden+Station Dir.George Jariss.




Astronauten-Spaziergang auf dem Mond + die Erde vom Mond gesehen.
Gedenkblock + Unterschrift Dick Gordon.

Astronauten-Spaziergang auf dem Mond + die Erde vom Mond gesehen.
Gedenkblock + Unterschrift Dick Gordon.

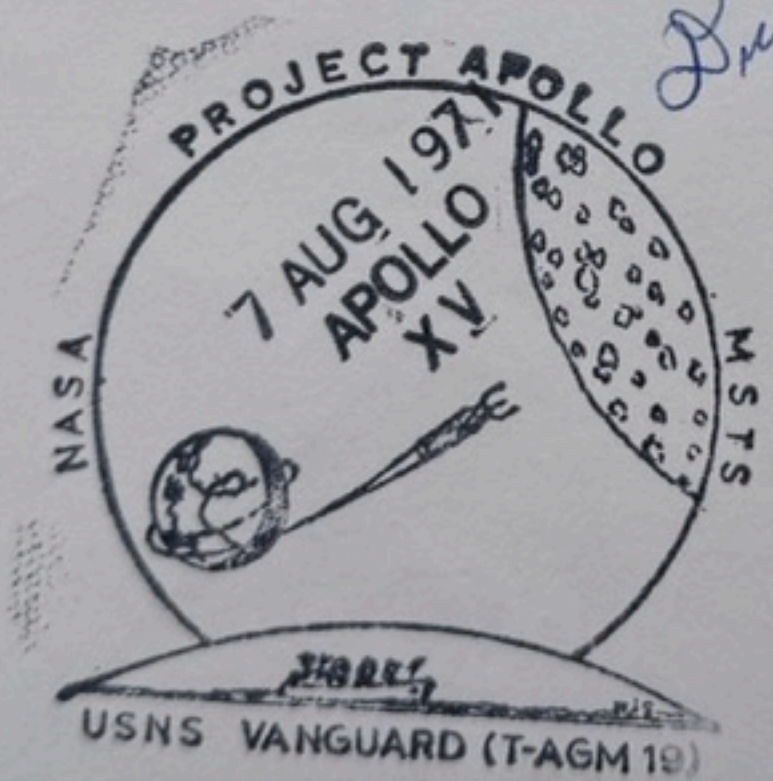



Reentry and splashdown"Apollo 15",+masch.cancel IIIb,Kennedy Space Center with sign. CSM-pilot Alfred M. Worden

"Apollo 15"Landungstag.Beobachtungs-Schiff"USNS Vanguard(T-AGM 19) mit einer MSFN-Station+Sonderstempel(CC)2.Jahrestag des ersten Mond-Spaziergang es,+Unterschrift von CSM-Pilot Richard F.Gordon,der als Ersatz-Astronaut für"Apollo 15" vorgesehen war.

Astronauten-Spaziergang auf dem Mond + die Erde vom Mond gesehen.
Gedenkblock + Unterschrift Dick Gordon.

"Apollo 15"




Dick Gordon







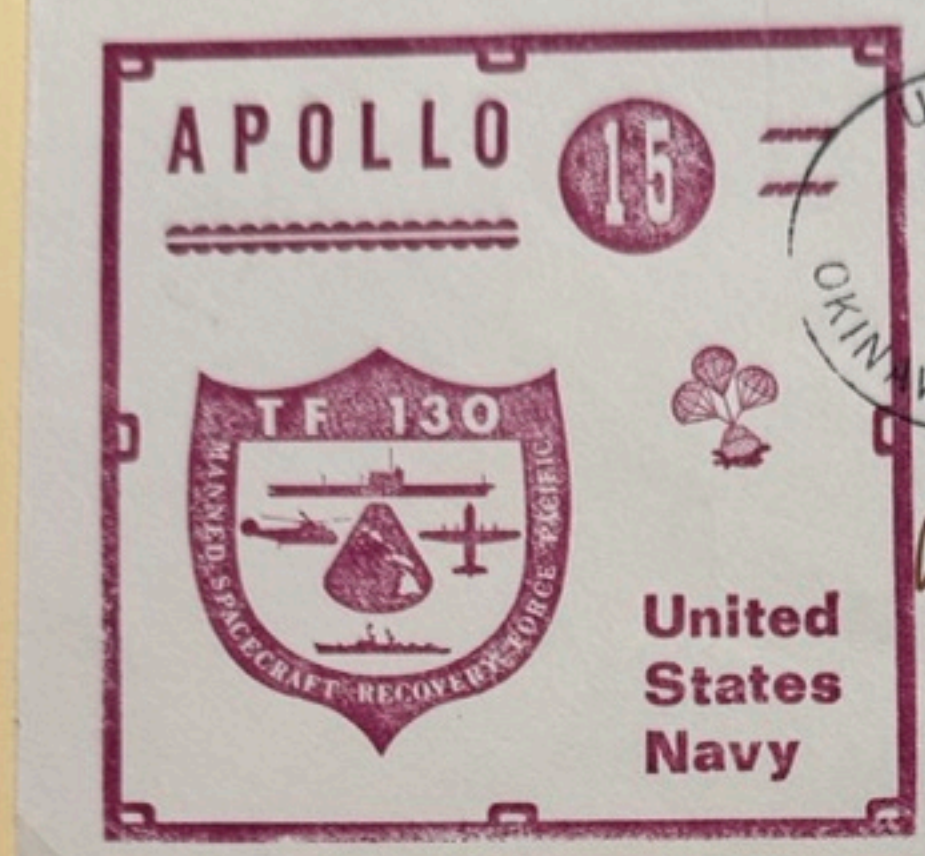
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Laxenburgerstr.54-56/2/11
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"Apollo 15"Landungstag.Beobachtungs-Schiff"USNS Vanguard(T-AGM 19) mit eigener MSFN-Station+Sonderstempel(CC)2.Jahrestag des ersten Mond-Spazierganges,+Unterschrift von CSM-Pilot Richard F.Gordon,der als Ersatz-Astronaut für"Apollo 15" vorgesehen war.

Hauptbergungs-Flugzeugträger" USS Okinawa (LPH-3) + NASA Schiff-Cachet
+ Unterschrift vom CSM-Pilot Alfred M. Worden.

"Apollo 15 "




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Ms.Franziska Tesch
Leebgasse 100/5/1/4
A-1100 Wien/Austria







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NASA Tracking-Station Honeysuckle Creek Canberra Australien+Klebe-Cachet
+ Unterschrift vom CSM-Pilot Alfred M.Worden.

Bergungs Kontr.Zenter Ramstein BRD.+NASA Cachet+U. Ken Mattingly.




"Apollo 16"Recovery Controll-
Center Ramstein West-Germany
Launch-day.

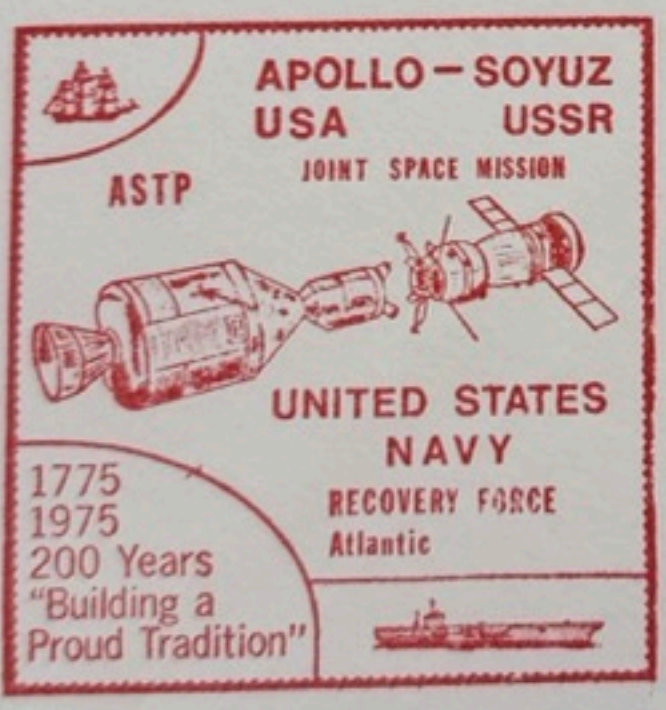






Herrn
Wilfried Koch
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Postfach 209

"ASTP 1975"







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Ms. Elisabeth Engelmann
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Reserve Bergungszentrale "Atlantik"Norfolk Va.+ASTP-Cachet II(rot),
+ Spez.Stempel II + Unterschrift DM.-Pilot Donald Slayton.

missions-flight:Apollo-Soyuz test project"ASTP-Apollo AS-210+Soyuz 19".
US.-astronaut: Brigadier General Thomas Patton Stafford Commander .
Vance Devoe Brand command-module-pilot.
Donald K. Slayton docking-module-pilot.
UdSSR.-kosmonaut:Colonel Alexei A.Leonov Commander .
Board-ing.Dr.Valeri N. Kubasov pilot.
Both cosmonauts special honors:"Hero of the Soviet- Union".
launch-Apollo:15.7.1975(20h50m.MEZ).launch-Soyuz:15.7.75(13h20min.MEZ).
flight-duration-Apollo:217 h 28 min.flight-duration-Soyuz:142 h 31 min.
earth-orbits-Apollo: 137 earth-orbits-Soyuz: ca. 90
1.docking"Apollo with Soyuz":17.7.1975(17h12min MEZ)bes.north-atlantic.
2.docking"Soyuz with Apollo":19.7.1975(13h40min MEZ).
crew-transfer 1:17.7.1975(20h19mMEZ)crew transfer 2:18.7.75(10h56m.MEZ)
crew-transfer 3:18.7.1975(11h10mMEZ)crew transfer 4:18.7.75(21h45m MEZ)
splashdown"Apollo":24.7.1975(22h18min MEZ)550 km west Honolulu-Hawaii .
recovery-Apollo":24.7.1975 the astronauts step from the recovery-heli-
copter"NAVY 730"to the flight deck of the US.-aircraft-carrier" U.S.S.-
New Orleans",in the pacific-ocean.
earth-landing"Soyuz 19":21.7.1975(11h51min MEZ)in the Kazagh SSR,54 km
near Arkalyk. 1. docking-joint-flight (NASA):44 h 15 min.
2.docking-joint-flight(UdSSR):30 earth-orbits á 1 h 28 min 40 sec.

First American-Soviet-spaceflight. Launch of"Soyuz 19" on 15.7.1975,and launch of"Apollo" on the same day 7.5 hours later. First docking over the north-atlantic on the 17.7.1975 at 12h12min EDT,later crew transfers and joint experiments.Final undocking on 19.7.1975"Soyuz 19" landed on 21.7.1975 near Arkalyk. "Apollo AS-210" splashed in the Pacific-ocean in near Honolulu,Hawaii USA.

C. A. MATTHES, DIRECTOR
NASA STDN STATION
DANDAN, GUAM 96916

Vance Brand










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Mr.Tesch Leopold
Leebgasse 100/5/1/4
A-1100 Wien/Austria

NASA STDN-Tracking Station Dandan Guam,+ 2 cachet,+sign.Vance Brand.

NASA-Apollo Tracking Station Madrid Spanien, +U.CSM.-Pilot R.Evans.




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Ron Evans

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Mr. Leopold Tesch jun.
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A-1100 Wien / Austria







Ron Evans
APOLLO 17

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Ms. Edith H e s
Fünkhgasse 22/3/4/13

A-1140 Wien/Austria

VIA AIR MAIL

Hauptbergungs-Schiff "USS Ticoderonga" + U.CSM.-Pilot Ron Evans.

Astronaut: Eugene A. Cernan — Raumschiff-Kommandant (CSM + LM).
Ronald e. Evans — CSM.-Pilot "America".
Dr.Harrison H."Jack"Schmitt — LM.-Spez.Geologe-Pilot"Challenger".
Missions-Flug: "Apollo 17 (AS-512). Flugzeit: 301 h 51 min 59 sec.
Start: Am 7.12.1972 vom Kennedy Raumfahrt-Zenter,Startrampe 39 a.
Einschuß zum Mond: 7.12.1972 Mondumlauf erreicht: 10.12.1972.
Mondlandung: 11.12.1972(im Taurus-Littrow-Gebiet). Mondumläufe: 75
Ausstieg(EVA)1: 11.12.1972(7 h 12 min). Ausstieg(EVA)2: 12.12.1972(7h37min).
Ausstieg(EVA)3: 13.12.1972(7 h 15 min). Mondproben: ca.121 kg.
Ausstieg(EVA)4: während des Rückfluges,von Pilot Evans: 17.12.1972(1h06min).
LM"Challenger"mit den Piloten Cernan und Dr.Schmitt auf dem Mond:(75h00m).
Rückstart vom Mond: 14.12.1972. Einschuß zur Erde: 16.12.1972.
Wasserung: 19.12.1972 im Pazifik. Bergung: 19.12.1972"USS Ticonderoga".

Dr.Schmitt(Geologe)als 1.Wissenschaftler auf dem Mond.Landung der Mond - fähre mit den Piloten Cernan u.Dr.Schmitt,im Taurus-Littrow-Gebiet,auf d. Mond.EVA1:Montage von"ALSEP 5",Entladung des Mondauto"LRV 3",Ausflug mit geologischen Messungen.EVA2:Ausflug(ca.19 km)mit dem Mondauto"LRV 3". EVA3:zweiter längerer Ausflug mit dem"LRV 3".LM"Challenger"Rückstart zur Mondumlaufbahn,Koppelung mit CSM"America"und später Rückflug zur Erde. Bei dem Rückflug zur Erde noch"EVA 4" von Pilot Evans,der die Spezialfilme vom SIM-SM-Kameras barg.




NASA Com.Network Switching Center Honolulu,Hawaii,+U.Comdr.E.Cernan,
+ U.vom Stationsdirektor J.McDowell.




ASTRONAUT THOMAS P. STAFFORD




ASTRONAUT JAMES A. McDIVITT


UNITED
STATES
John Glenn
Friendship 7
SPACE
20.8.1982
WIEN
21.8.
REPUBLIK ÖSTERREICH
NASA


2. UNO-WELTRAUMKONFERENZ IN WIEN - 1982
S 4
REPUBLIK ÖSTERREICH
20.8.1982
UNISPACE 1982
1150 WIEN · 9.8.-21.8.
2
G. COOPER
UNITED
STATES

Astronaut: James A. McDivitt — Raumschiff-Kommandant
crew-pilot: Edward H. White II — missions-flight: " Gemini 4 ".
launch-day: 3. 6. 1965 — mission-duration: 97h 56 min 12 sec.
earth-orbits: 62 — space walk (Eva): 3.6.1965/ 20 min.

Astronaut-pilot White was the first American to leave the spacecraft in free space environment.The first long-time-flight from"Gemini" program.Atlantic recovery by "USS Wasp".

The second US.manned spaceflight program was announced under the name "Mercury Mark II" on 07.Dec.1961-since 03 Jan.1962 it is named"Gemini". Aim of the program with two-man-spacecrafts was to get experience for the "Apollo"-program.Unmanned test to verify the structural integrity of the launch vehicle and spacecraft"Gemini 1(8.4.64),"Gemini 2(19.1.65) Gemini launch vehicle forerunners"Titan 2 N-11 -33.(19.12.62-23.3. 1964)




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Gemini GT 4
J.A.Mc Divitt
E.H.White

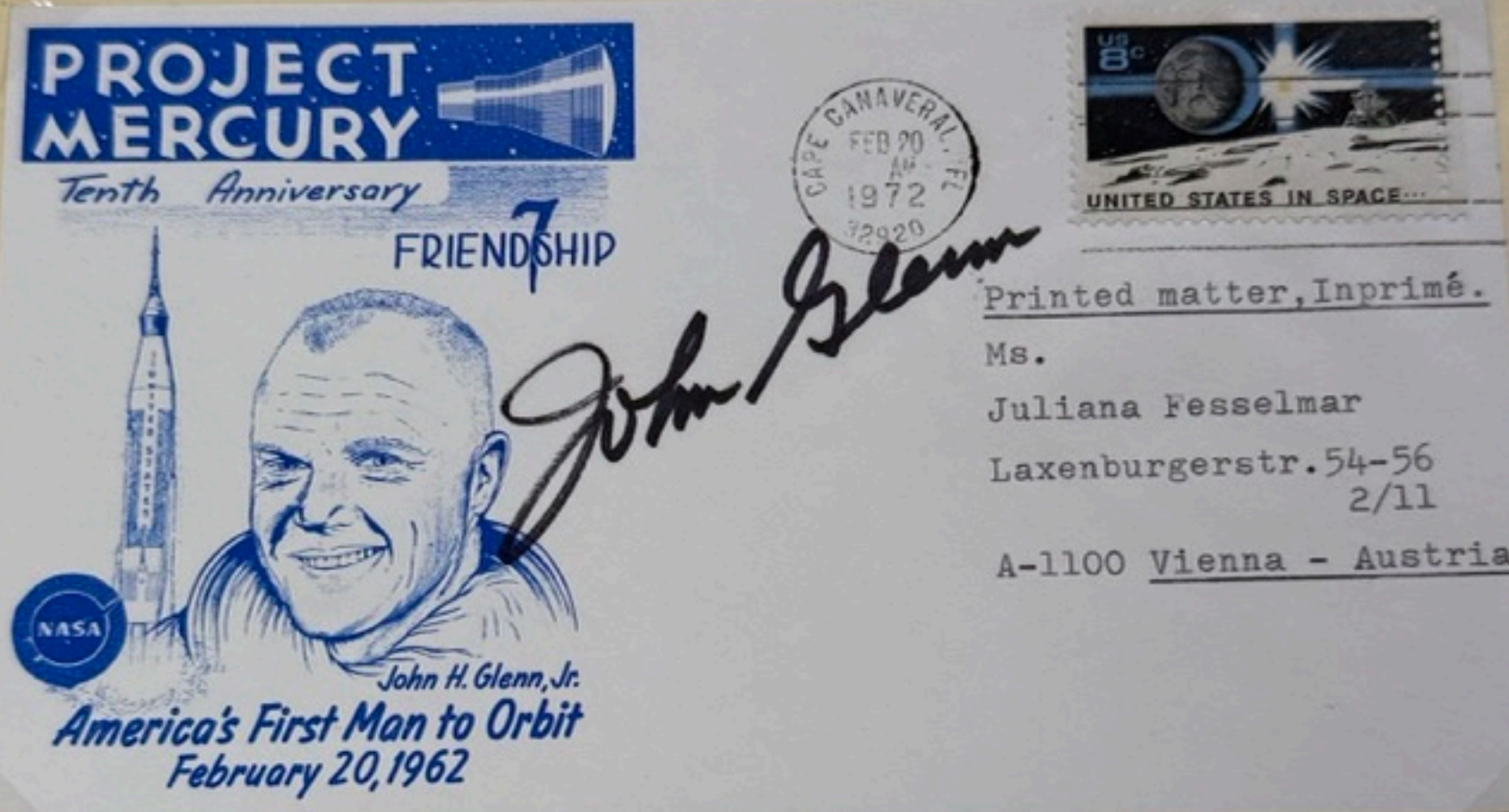
Abs.:von Wien. ./.
DR. F. ZIMMERMAN
VIENNA 1, NAGLERGASSE 6
AUSTRIA

Mr.
Hans Heimlich junior
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DSN.-Station Pasadena USA (Zentr.Weltraum Sendernetz mit 60 m Großantennen).

Deep space network DSN station Pasadena USA ( 60 m high aerial circuits).

Astronaut: Major John H.Glenn junior  Missionsflug: Mercury-Atlas 6.
Name d.Raumkapsel: Friendship 7  Start-Tag: 20.2.1962.
Flugzeit: 4 h 55 min 23 sec.  Wasserung: 20.2.1962.
Erd-Umläufe: 3
Erster bemannter Raumflug der USA.Glatter Ablauf der Mission(nur ein Meldegerät war verstellt).Nach der Wasserung im Atlantik wurde die Raumkapsel vom Nebenbergungs-Schiff"USS Noa"geborgen.Einige Stunden später wurde Major Glenn mit einem Hubschrauber auf das Hauptbergungs-schiff"USS Randolph"gebracht.
Spezielles: Major Glenn flog am 31.Juli 1957 einen Flug-Rekord von Los Angeles Ca.nach New York City(726.48 Meilen in der Stunde)
Gesamtstrecke: 2.460 Meilen in 3 h 23 min 8 sec,mit einer "Crusader-Jet FSU-1P".




10.Jahrestag des 1.Weltraumfluges"Friendship 7",1962-1972,m.Maschinstempel v.Cape Canaveral+O.Unterschrift v.Senator John H.Glenn jun.

US.-astronaut: Major John H.Glenn jr.  missions-flight: Mercury-Atlas 6.
space capsule: Friendship 7  launch-day: 20.2.1962 .
flight-duration: 4 h 55 min 23 sec.  splashdown-recovery: 20.2.1962 .
First manned spaceflight by the United States.Apart from a malfunctioning instrument,the flight was without difficulties.After splashdown in the Atlantic the recovery was made by the secondary recovery -ship "USS Noa".Some hours later Major Glenn was flown to the prime recovery-ship"USS Randolph"by a heliocopter.
special notice: A new coast-to-coast speed record approaching the velocity of sound and the earth's rotation was net recently when Major John H.Glenn(36-year-old)of the US.- Marine Corps flew,to 31 july 1957,his"FSU-1P Crusader jet from Los Angeles Ca,to New York City at an average and speed of 726.48 miles per hour.He covered the 2,460mile course in 3 hrs 23 minutes 8 seconds,cutting almost 24 minutes from the previous record,set by US.-Air Force in 1955.

Astronaut L.Gordon Cooper junior Flug: Mercury-Atlas 9 Faith 7
Start: 15.5.1963 Flugzeit: 34h 19min 49sec. ErdumlÄufe: 22
Der längste und letzte Mercury-Flug.Cooper fotografierte die Erde und ein erfolgloser Versuch,einen farbigen Ballon freizulassen.Ein kleiner Satellit wurde ausgestoßen(Vorversuch für"Gemini"),der 2 Blinklichter hatte.Dann der Versuch von Cooper,diesen Ballon noch in großer Entfernung zu erkennen(ein optischer Versuch für spätere Rendezvous-Lichter).Nach Versagen der automatischen Steuerung übernahm Cooper beim 19.Umlauf die Handsteuerung.Die Wasserung(16.5.63) im Pazifik und die Bergung durch das Hauptbergungschiff"USS Kearsarge"erfolgte genau nach Zeitplan.




Titl.
Karl Patzak
Wallischgasse 12
W i e n III., Oesterreich
- - - - - - - - - - - - - - - -
First-day cover"Mercury-Atlas 9"
L.Gordon Cooper/spec.stamp sereie.

Astronaut: L.Gordon Cooper junior Flight: Mercury-Atlas 9 Faith 7
Launch: 15.5.1963 Trajectory: 34h 19min 49sec. Orbits : 22
Longest and last Mercury mission.Cooper photographed the earth and tried to release a coloured balloon from the spacecraft.He also made an optical experiment for Gemini.A small satellite with 2 flash lights was ejected from the"Mercury-Atlas 9" and observed long distance.The automatical attitude control failed during the 19th orbit, Cooper had to control the flight by hand.Splashdown and recovery in Pacific(16.5.1963) by "USS Kearsarge".

Astronaut: Eugene A. Cernan
Ron
Dr.
missions-fligh
launch-day: 7.
translunar inj
lunar-landing:
lunar orbits:
EVA 2:
trans-earth EVA
LM.-Challenger"
lunar lift-off:
splashdown: 19.

Dr.Schmitt was
lenger" Comdr.C
rus Littrow").EV
excursion.EVA 2:
Lunar lift-off e
insertion.Transe
the"SIM+SM" came

Bergungs-Zentrale NASA/Atlantik Nor
+ Maschin-Stempel I

DEC 7 1972

GODDA

apollo

VAN

"USNS Vanguar
space flight







Printed matter.

Ms. Hanner
Dept.
Laxenburgerstr.
A-1100 Wien/Austria

Astronaut: Eugene A. Cernan Commander-pilot (CSM+LM).
Ronald E. "Ron" Evans CSM.-pilot "America".
Dr.Harrison H."Jack" Schmitt. LM-geologist-pilot"Challenger".
missions-flight: "Apollo 17 (AS-512). flight-duration:301h51min59sec.
launch-day: 7.12.1972 Kennedy space center Florida,complex 39 a.
translunar injection: 7.12.1972. lunar orbit injection: 10.12.1972.
lunar-landing:11.12.1972 (Taurus-Littrow-terrain). samples: 243 pounds.
lunar orbits: 75 EVA 1: 11.12.1972(7h12min).
EVA 2: 12.12.1972 (7h37min). EVA 3: 13.12.1972(7h15min).
trans-earth EVA 4,by pilot Evans:17.12.1972(1 h 06 min).
LM.-Challenger"with Comdr.Cernan and Dr.Schmitt on the moon: 75 h 00 min.
lunar lift-off: 14.12.1972. trans-earth insertion: 16.12.1972.
splashdown: 19.12.1972 (Pacific) recovery: 19.12.1972"USS Ticonderoga"

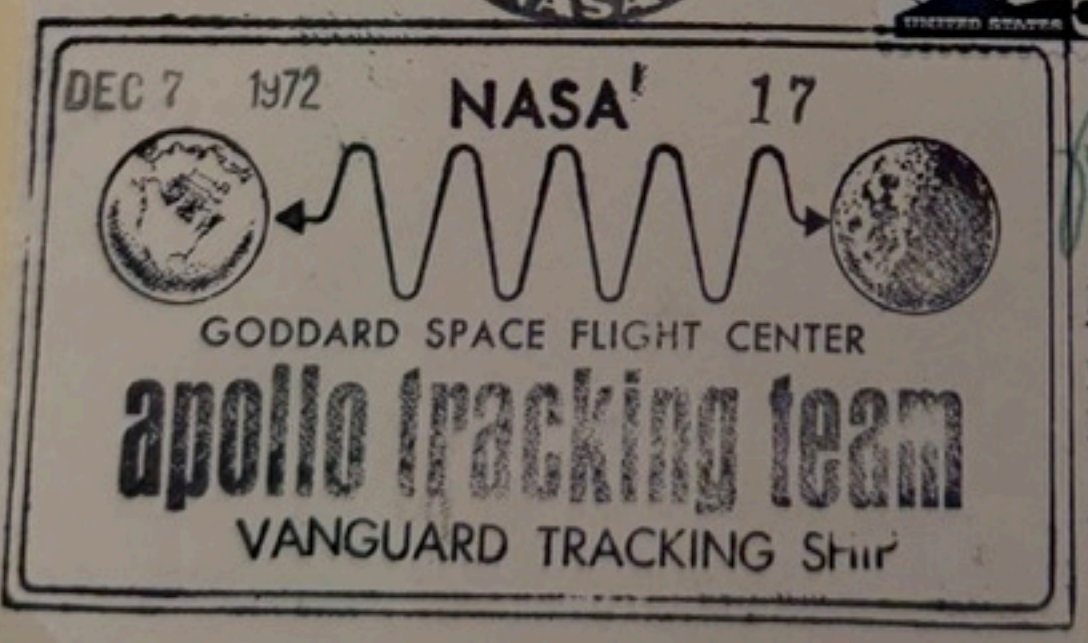
Dr.Schmitt was the first scientist(geologist) on the moon.With the"LM-Challenger" Comdr.Cernan and Dr.Schmitt landed on the moon,(landing site "Taurus Littrow").EVA 1:erecting of "ALSEP 5",unloading of"LRV 3",later short excursion.EVA 2: 1.moon rover excursion.EVA 3:2.excursion with the"LRV 3". Lunar lift-off and docking(LM-"Challenger"+CSM-"America")later transearth insertion.Transearth"EVA" by pilot Evans,to retriews the spec.films from the"SIM+SM" cameras.










Ron Evans
A-17 CMP

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Mr. Leopold Tesch
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"USNS Vanguard"Tracking-chip with Apollo tracking-team,Goddard space flight center NASA+sign.CSM.-pilot Ron Evans.

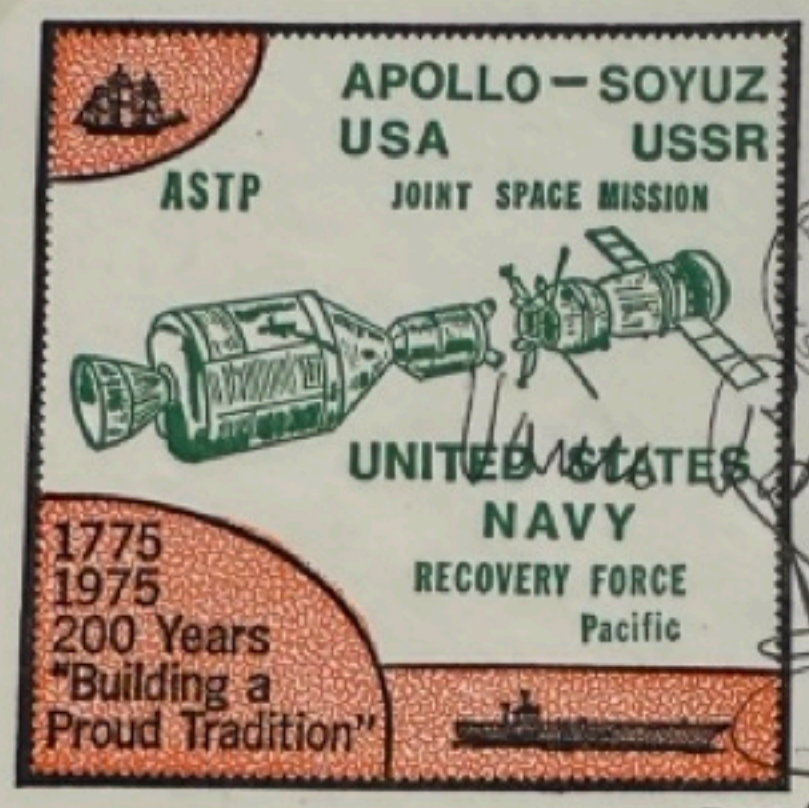


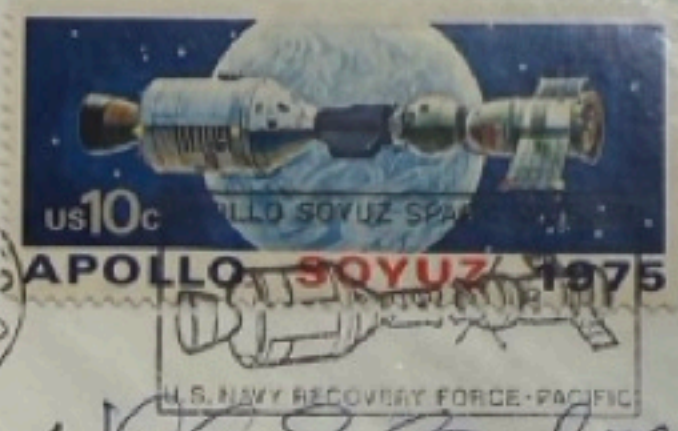

ASTRONAUT DONALD K. SLAYTON

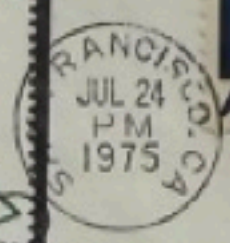
JSCL-118

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Recovery-day.San Francisco Ca,pacific-ocean +spec.cachet(Beck) +slogan cancel with sign. a)prim-crew:CM-pilot Vance Brand and DM-pilot D.Slayton. b)Back-up crew:Commander Alan Bean and back-up pilot(DM)Lieutnant Colonel Jack Robert Lousma.




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Leebgasse 100/5/Tür 4.
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Austria













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A-1100 Wien / AUSTRIA

Start-Tag.KSC Florida+Cachet ASTP 75/II + Missions-Stempel + U. CM-Pilot V.Brand+ DM-Pilot D.Slayton+Ersatz DM-Pilot J. Lousma.




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Mr. Tesch Leopold
Leebgasse 100/5/1/4

A-1100 Wien/Austria

Landing-day. Missions-spaceflight-centrale Houston Texas USA.
+ cachet + with sign. DM-pilot D. Slayton.

HOMETOWN OF
LT. COL. JACK R. LOUSMA







Vance Brand
Jack Lousma
Back-up pilot

ROBERT BOUDWIN
1119 HARKER AVE.
WOODBURY, N. J. 08096 U.S.A.

Geburts-Stadt "Grand Rapids"Mi. von Lieutnant Colonel Jack R. Lousma, Back-up-Astronaut für "ASTP 75" vorgesehen, +Cachet, +Unterschriften v. L. Bean, Vance Brand, Don Slayton und Jack R. Lousma, + USPO-Stempel.

England Antony GT. 15.5. 1942




ASTRONAUT ANTHONY W. ENGLAND

Franziska
Tesch
asse 100/5/1 Etage Ap 4A
) Vienna

Tony England

SOLID ROCKET BOOSTER (SRB) NOSE CAP

SPACE SHUTTLE



CAPE CANAVERAL MAR 24 '78 PM 1978 32920

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Mr.Alexander T e s c h junior
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A-1100 Vienna
A u s t r i a
E u r o p a

**MARCH** 24, ***1978***

## First Space Shuttle Hardware Delivered to KSC

*(Cape Canaveral)*

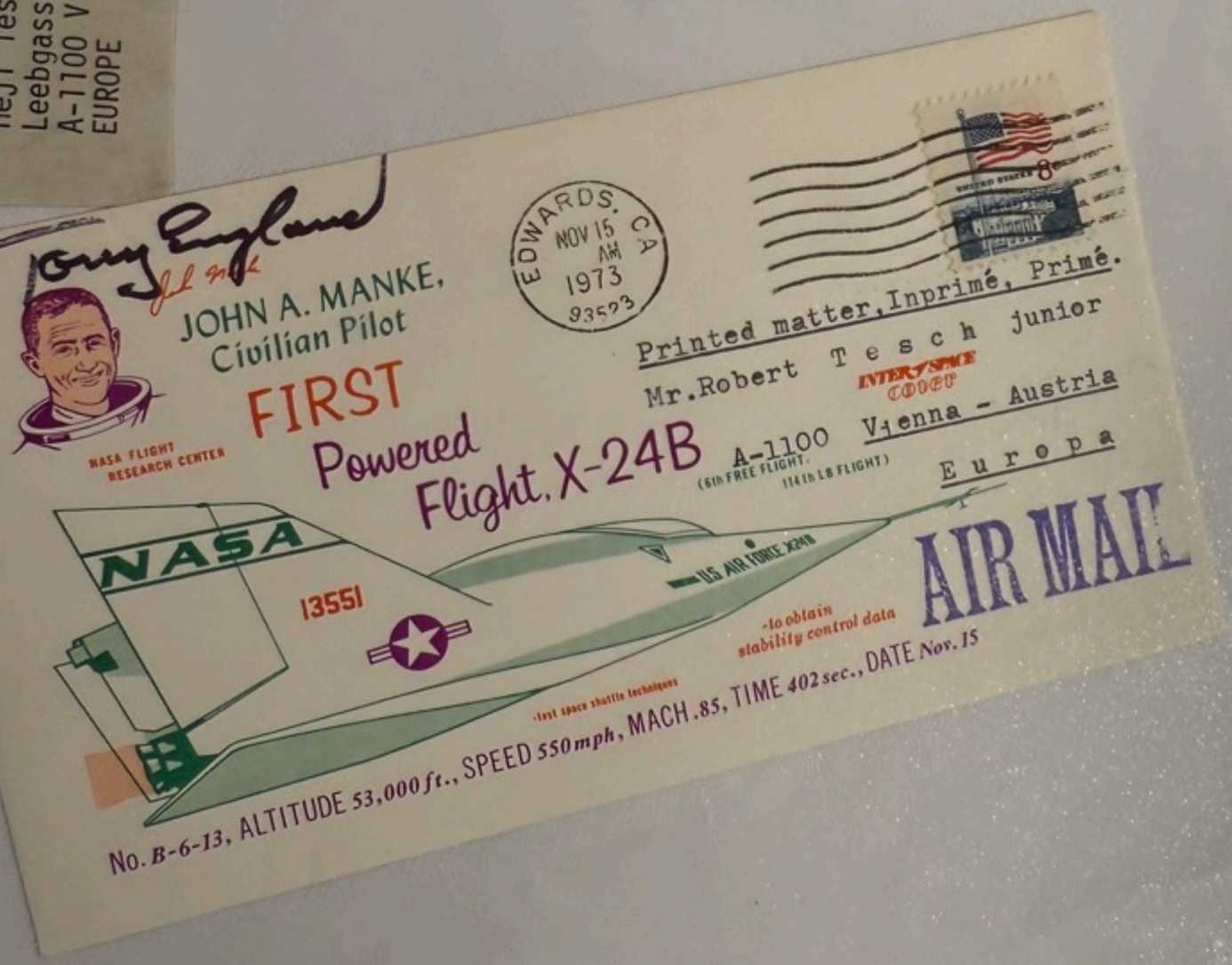
***-Pictured Are Vincent Caruso of Marshall & Jim Smith of KSC***

AIR MAIL

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Hejl Tesch
Leebgasse 100/5/1 Etage Ap 4A
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EUROPE




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1973
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Mr. Robert Tesch junior

INTERSPACE CORP

A-1100 Vienna - Austria

Europa

AIR MAIL

Engle Joe G.T. 26. 8. 1932 5 45




ASTRONAUT ANTHONY W. ENGLAND

Engle Joe G.T. 26. 8. 1932 5 45




ASTRONAUT JOE HENRY ENGLE

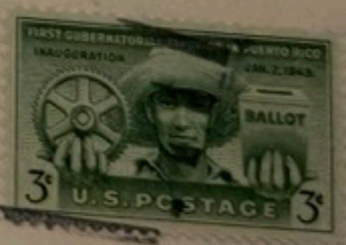
Evans Ronald G.T. 10.11.1935 5




Joe Henry Engle

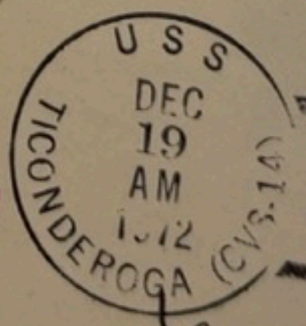
Evans Ronald G.T. 10.11.1935 5

"Apol
Recov
















Ron Evans

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Ms. Anni Hejl
Leebgasse 100/5/1/4
a-1100 Wien/Austria

Fabian John G.T. 28.1.1939 8




John M. Fabian

Mrs. Fisher Anna GT. 24. 8. 1949 8 48



FISHER

Mr.Dr.(MD) Anna L. Fisher 24.8.1949
NASA Astronaut seit Januar 1978
Missions-Spezialist

Weltraumflüge:

---

Tag/Briefe/Aerogramme/von Eingang

CT 8.11.1948 8

Fullerton Charles G.T. 11.10.1936 7 50




ASTRONAUT CHARLES G. FULLERTON

Gardner Dale GT. 8.11.1948 8 51




Dale A. Gardner

ASTRONAUT GUY S. GARDNER

Gardner Guy G.T. 6.1. 1948 9 5D




ASTRONAUT GUY S. GARDNER

Glenn John GT. 18.7.1921

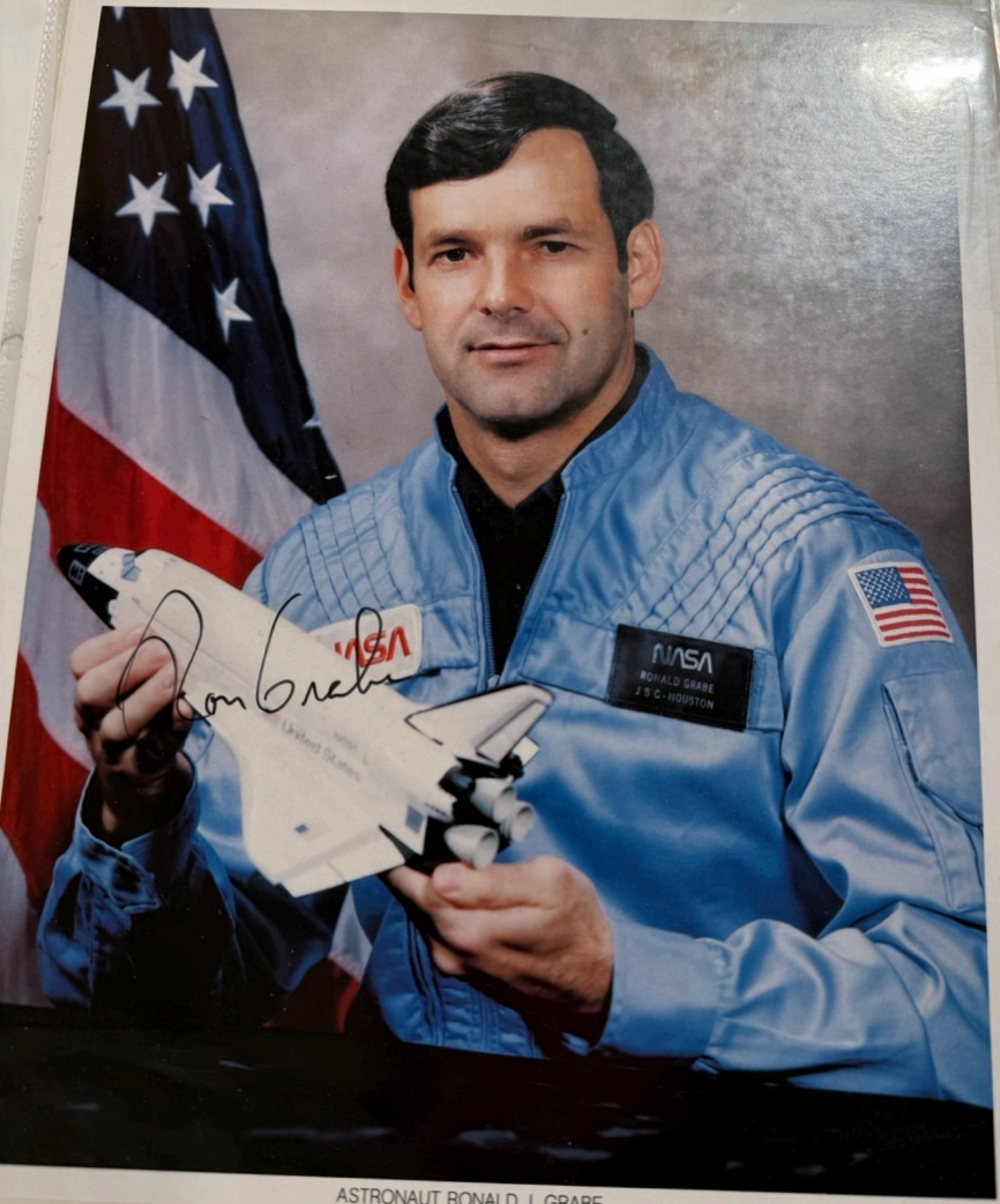



Ms. Julia
Laxenburge
A-1100 Wie

Ms. Juliana Fesselmar
Laxenburgerstrasse 54-56/2/Tür 11
A-1100 Wien 10.. / Austria

Frederick D. Gregory

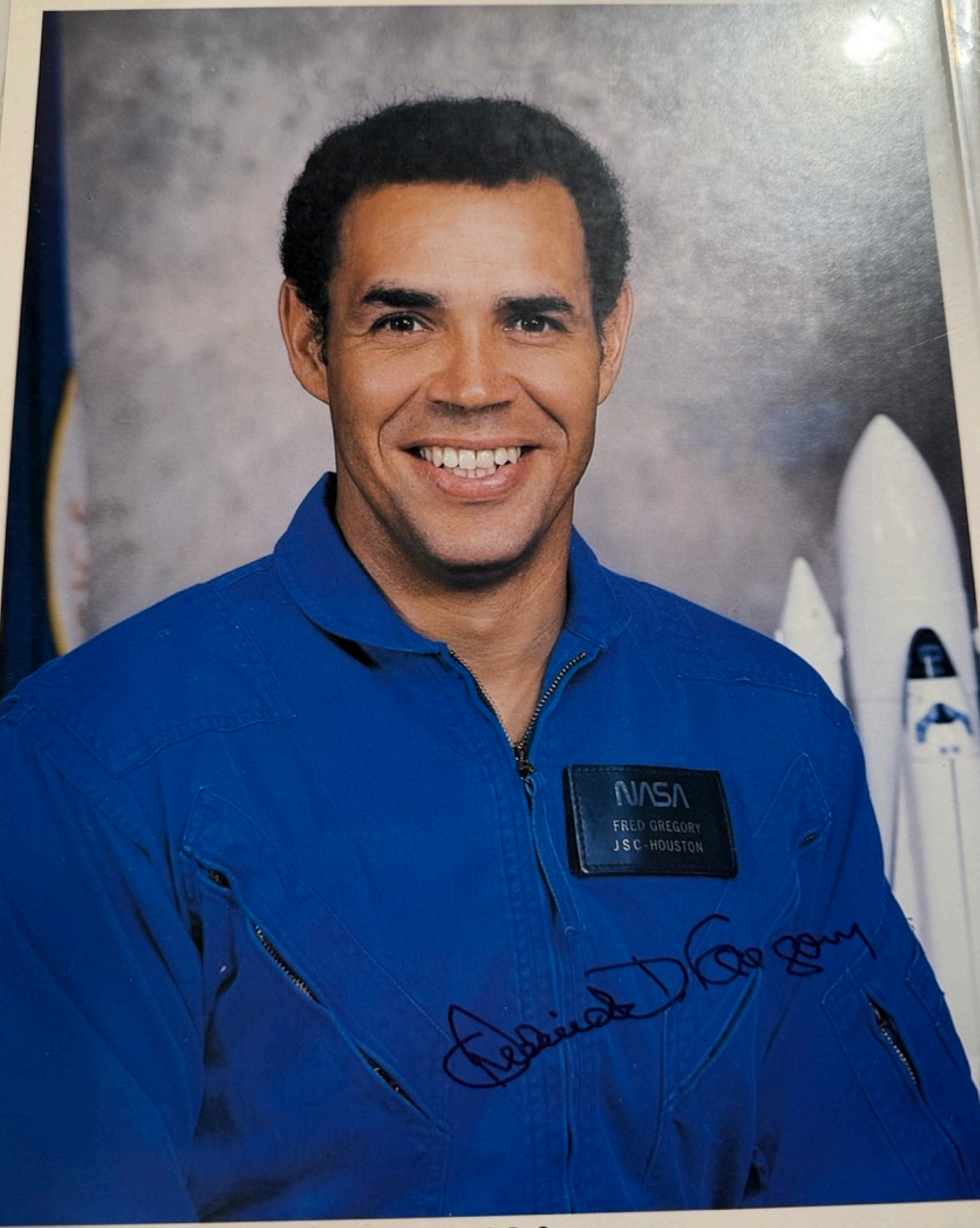
Grabe Ronald GT. 13.6.1945 9 60




ASTRONAUT RONALD J. GRABE

Griggs David GT. 7. 9. 1939

Biographical Data NASA




Frederick D. Gregory

Griggs David GT. 7. 9. 1939 8




S. David Griggs

Gutierrez Sidney GT. 27.6 1951 40 Fl

NASA National Aeronautics and Space Administration

S84 40240

Lyndon B. Johnson Space Center
Houston, Texas 77058



Haise Fred GT. 14. 11. 1933 5




FRED W. HAISE, JR.

FRED W. HAISE, JR.

Haise Fred GT. 14. 11. 1933 5




FRED W. HAISE, JR.

L. Blaine Hammond

Hammond Blaine G.T. 16.1. 1952 10




L. Blaine Hammond

Hamilton Steven GT. 12.12.1951

Hartsfield Henry GT. 21.11.1933 7




ASTRONAUT HENRY W. HARTSFIELD

Henry W. Hartsfield

Hartsfield Henry GT. 21.11.1933 7 6

To KARL
With Best Wishes
Hank Hartsfield

Henry W. Hartsfield

Hawley Steven GT. 12.12 1951

CURRENT ASSIGNMENT: Dr. Hawley was selected as an astronaut candidate in




Steven A. Hawley

Hawley Steven GT. 12.12 1951 8




Steven A. Hawley

Hoffman Jeffrey G.T. 2.11.1944 8 75




Jeffrey A. Hoffman

ASTP 1975 Back-up crew: 1) Captain Alan L.Bean Commander-pilot.
2) Captain Ronald E.Evans CM-pilot.
3) Lieutnant Colonel Jack R.Lousma DM- " .

U.S.A.:

UdSSR.: 1)Colonel Anatoli V.Filiptschenko Commander-pilot.
special honors: Hero of the Soviet Union.
2)Dr.Ing.Nikolai N.Rukavishnikov pilot.
special honors: Hero of the soviet Union.

ASTP 1975-experiments: (o.m.e).

1)Geodynamics (MA-128): This experiment is complementary to the Dr. Christian Doppler(austrian physical-scientist)experiment. Principal Investigator:Dr.F.O.Vonbun(vienna-austrian-mathematician). Goddard Space Flight Center Greenbelt MD.USA.
2)Dr.Christian Doppler(austrian physical scientist)-Tracking (MA-089).This experiment will make use of the existing"Apollo VHF"-ranging system and recorder with a modification to make the ranging system partially phase coherent.
Principal Investigator:Dr.G.C.Weiffenbach and M.D.Grossi from Smithsonian Astrophysical Observatory USA.
3)Electrophoresis German (MA-014).On concept-experiment in zero-"g".Principal Investigator:Prof.Kurt Hannig Max Blanck Institute Western-Germany.










Printed matter,Inprimé,Primé.

Mr. Ernst Stoklasa
Leebgasse 100/5/Pat/3
A-1100 Wien / AUSTRIA.

COMSAT-ETAM Station Rowlesburg West Virginia,+cachet,+sign.Vance Brand.

NASA STDN-

Th.Stafford.




Tom Stafford




Printed matter, Inprimé, Primé.

Ms. Hanl
Laxenbu
A-1100

TAIPEI EARTH STATION
YANMING-SHAN, TAIPEI
R.O.C

ASTP
Apollo-Sojuz 1975

Tom Stafford













Printed matter, Inprimé, Primé.

Ms. Juliane Fesslmar
Laxenburgerstr.54-56/2/11

A-1100 Wien / AUSTRIA

STDN-Tracking-Erdstation Yanmming-Shan, Taipei Taiwan China+U.Th.Stafford.

Missions-Flug: Apollo Sojus Test Projekt "ASTP-Apollo AS-210+Sojus 19".
US.-Astronaut: Brigadier General Thomas Patton Stafford R.S.Kommandant.
Vance Devoe Brand CM - Pilot.
Donald K. Slayton DM - Pilot.
UdSSR.-Kosmonaut: Oberst Alexei Arkhipovich Leonow R.S.Kommandant.
Bord-Ing.Dr.Valeri Nikolayevich Kubassow Pilot.
Beide UdSSR-Kosmonauten erhielten 2-mal d.Auszeichnung: Held d. UdSSR.
Start-Apollo: 15.7.1975(20h50minMEZ). Start-Sojus: 15.7.75(13h20min MEZ).
Flugzeit-Apollo: 217 h 28 min. Flugzeit-Sojus: 142 h 31 min.
Erdumläufe-Apollo: 137 Erdumläufe-Sojus: ca. 90.
1.Koppelung"Apollo mit Sojus 19": 17.7.1975(17h12minMEZ)ü.d.N-Atlantik.
2.Koppelung"Sojus 19 mit Apollo": 19.7.1975(13h40minMEZ).
Umstieg 1: 17.7.1975(20h19min MEZ). Umstieg 2: 18.7.1975 (10h56min MEZ).
Umstieg 3: 18.7.1975(11h10min MEZ). Umstieg 4: 18.7.1975 (21h45min MEZ).
Wasserung-Apollo: 24.7.1975(22h18min MEZ)550 km westl.Honolulu,Pazifik.
Bergg.-Apollo: 24.7.1975 vom Bg.Heliokopter 730 wurden die Astronauten zum Deck des Flugzeugträgers"USS New Orleans" geflogen .
1.Gemeinschafts-Flug lt.NASA: 44 h.
2.Gemeinschafts-Flug lt.UdSSR: 30 Erdumkreisungen á 1 h 28 min 40 sec.

Start von"Apollo"(KSC.Fl.)7.5 Stunden nach"Sojus 19"-Start. Umstieg 1: Stafford+Slayton in"Sojus 19". Umstieg 2: Brand in"Sojus 19". Umstieg 3: Leonow in"Apollo". Umstieg 4: Stafford in"Sojus 19" u.Kubassow in"Apollo"u.zurück.Gemeinsame Experimente.Nach letzter Abkoppelung spätere Landung v."Sojus 19"(21.7.1975)."Apollo"Alleinflug und Landung im Pazifik(24.7.1975).."Sojus 19"-Landung(11h51minMEZ) 54 km von Arkalyk.

Tom Stafford















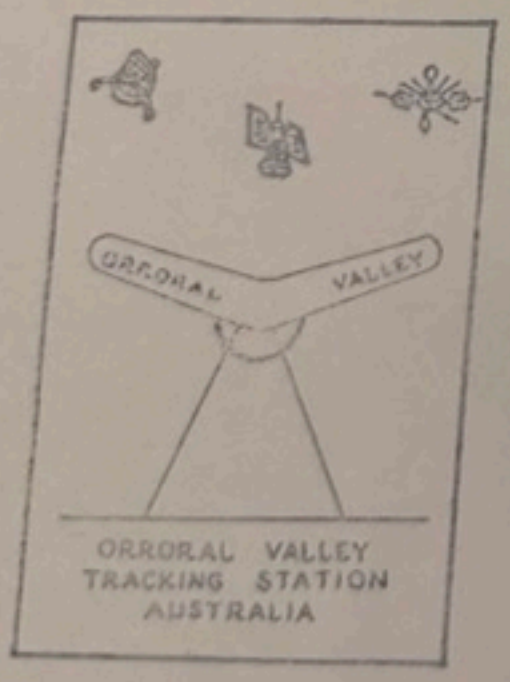

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Mr.Tesch Leopold junior
Leebgasse 100/5/1/4
A-1100 Wien / Austria

Start-Tag.KSC Florida+Missions-Stempel+Cachet+U.Th.P.Stafford.

NASA"Grand Turk" Tracking Station Türkei + U.Brig.Gen.Th.Stafford.










NASA Orroral Valley Tracking Station Australien + U.Th.P.Stafford.

Briefmarken Ausstellung "Weraba Zürich" Schweiz+Cachet+U.Th.Stafford.










NASA STDN-Station Quito Ecuador,+Cachet + U.Th.Stafford.


COOK ISLANDS
COOK ISLANDS
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COOK ISLANDS
COOK ISLANDS
COOK ISLANDS
COOK ISLANDS
COOK ISLANDS
COOK ISLANDS
50¢
30¢
25¢
50¢
30¢
25¢
U.S.A. U.S.S.R. SPACE CO-OPERATION 1975

"ASTP 75" Gedenkblock Cook Inseln Missionsflug,+ U. Vance Brand.




NASA JPL-Tracking Station Goldstone,Barstow,+Cachet,+U.Vance Brand.

Launch-day.KSC Florida+slogan cancel+ spec.cover Houston
+ with sign. DM-pilot Donald Slayton.







"NASA-INTA"-tracking station DSS-61 Robledo,Madrid,Spain + spec.
stations-cachet with sign. DM-pilot Donald Slayton.

"ASTP 1975"-Gedenkblock Ungarn+Ersttag-Stempel+ U. Vance Brand.




APOLLO- SOYUZ

BOOK-POST

AIR-MAIL

Vance Brand




Apollo-Soyuz
ASTP 75

Launch-day

*Uttar Pradesh State Observatory*
*Naini Tal.*
*INDIA*

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Ms. Hanny D e p i l
Laxenburgerstr.31/1/10
A-1100 Wien / AUSTRIA

"Uttar Pradesh state" Observatorium NAINI-TAL Indien,+U. V.Brand.




Richard O. Covey




Sonny Carter




ASTRONAUT ALFRED M. WORDEN




James D. Van Hoften

David M. Walker




David M. Walker




Donald E. Williams




ASTRONAUT PAUL J. WEITZ

Norman E. Thagard




Norman E. Thagard




Charles L. Veach

NASA National Aeronautics and Space Administration

S84 40238

Lyndon B. Johnson
Houston, Texas

Poldi & Alexander
Best wishes.
See you in space
sometime
Jim
Wetherbee

NASA

JIM WETHERBEE
JSC-HOUSTON

NASA

SPACE SHUTTLE

USA




ASTRONAUT GUY S. GARDNER

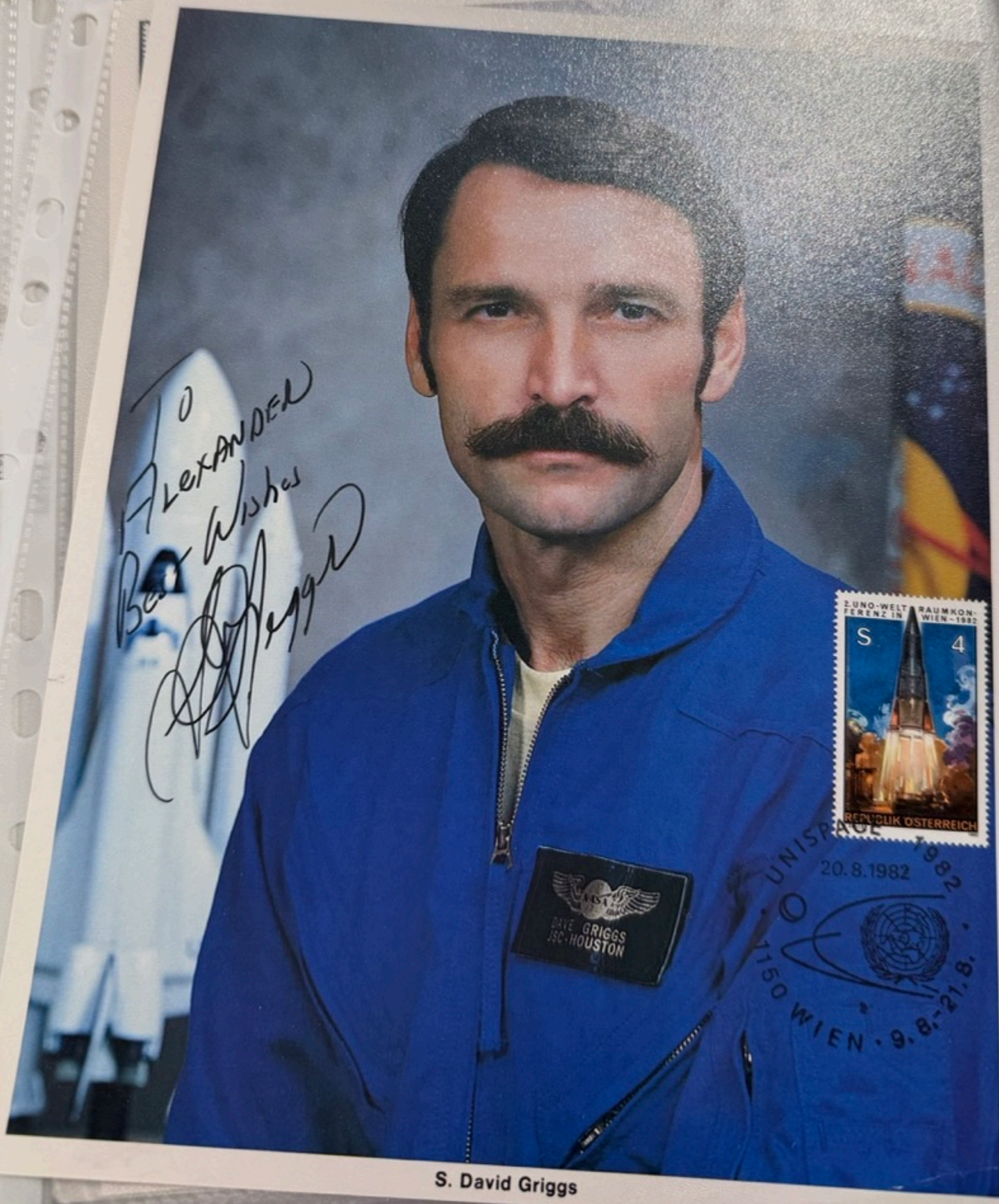

S
4
REPUBLIK ÖSTERREICH
1982
To Leopold
With Best Wishes
Robert L Stevenson
10/20/80
NASA




ASTRONAUT OWEN K. GARRIOTT




ASTRONAUT EDWARD G. GIBSON




S. David Griggs




Frederick D. Gregory




ASTRONAUT RONALD J. GRABE




Dale A. Gardner




ASTRONAUT ROBERT F. OVERMYER

ASTRONAUT WILLIAM R. POGUE

ASTRONAUT DONALD H. PETERSON ☆ U.S. GOVERNMENT PRINTING OFFICE: 1974 671-182/2

JSCL 51

Steven R. Nagel

ASTRONAUT BAND




George D. Nelson

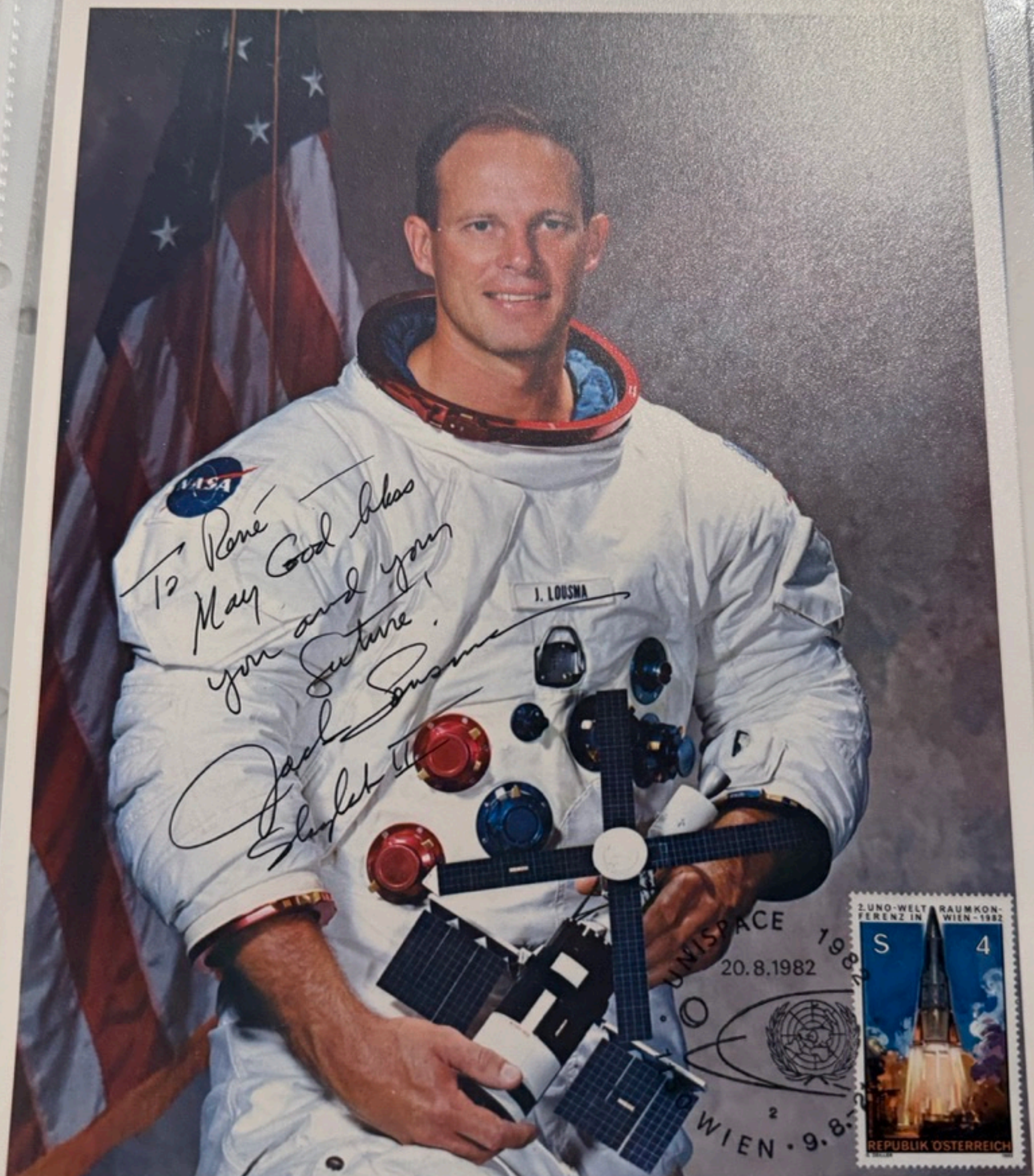
Steven R. Nagel


S 4
REPUBLIK ÖSTERREICH
20.8.1982
WIEN · 9.8.-21.8.
NASA
NASA
Robert,
Best wishes for
A successful future
Steve Nagel
Steven R. Nagel




ASTRONAUT DAVID C. LEESTMA


Best Wishes
Mike Lounge
UNISPACE 1982
20.8.1982
1160 WIEN
21.8.
NASA
MIKE
JSC
NASA
United States
REPUBLIK OSTERREICH




ASTRONAUT JACK R. LOUSMA




ASTRONAUT JOE H. ENGLE

Terry J. Hart




ASTRONAUT ANTHONY W. ENGLAND

Terry J. Hart




ASTRONAUT GERALD P. CARR


UNISPACE 1982
20.8.1982
WIEN · 9.8.-21.8.
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4
REPUBLIK ÖSTERREICH
NASA
NASA
DAVID HILMERS
J S C · HOUSTON
ASTRONAUT DAVID C. HILMERS
Terry J. Hart




ASTRONAUT KARL G. HENIZE




Steven A. Hawley


To Leopold
best wishes!
Terry J. Hart
NASA
NASA
SPACE SHUTTLE
UNISPACE 1982
20.8.1982
EXPO '82 KNOXVILLE USA
S
4
REPUBLIK ÖSTERREICH

Terry J. Hart




Walter M. Schirra, Jr.

Brewster H. Shaw

ASTRONAUT RICHARD N. RICHARDS

Loren J. Shriver




**Brewster H. Shaw**

ASTRONAUT RICHARD N. RICHARDS

**Loren J. Shriver**




ASTRONAUT RICHARD N. RICHARDS

**Loren J. Shriver**




ASTRONAUT JERRY L. ROSS

**Loren J. Shriver**




Loren J. Shriver




Kathryn D. Sullivan




Margaret R. Seddon




ASTRONAUT RUSSELL L. SCHWEICKART




ASTRONAUT JACK R. LOUSMA




ASTRONAUT RICHARD H. TRULY

ASTRONAUT JOE HENRY ENGLE

NASA National Aeronautics and Space Administration




ASTRONAUT JOE HENRY ENGLE

NASA National Aeronautics and Space Administration




ASTRONAUT SHERWOOD C. SPRING




John M. Fabian

NASA National Aeronautics and Space Administration

384 40241

Poldi

Blaine Hammond

NASA

NASA

BLAINE HAMMOND
JSC - HOUSTON

NASA

United States

USA




Frederick H. Hauck

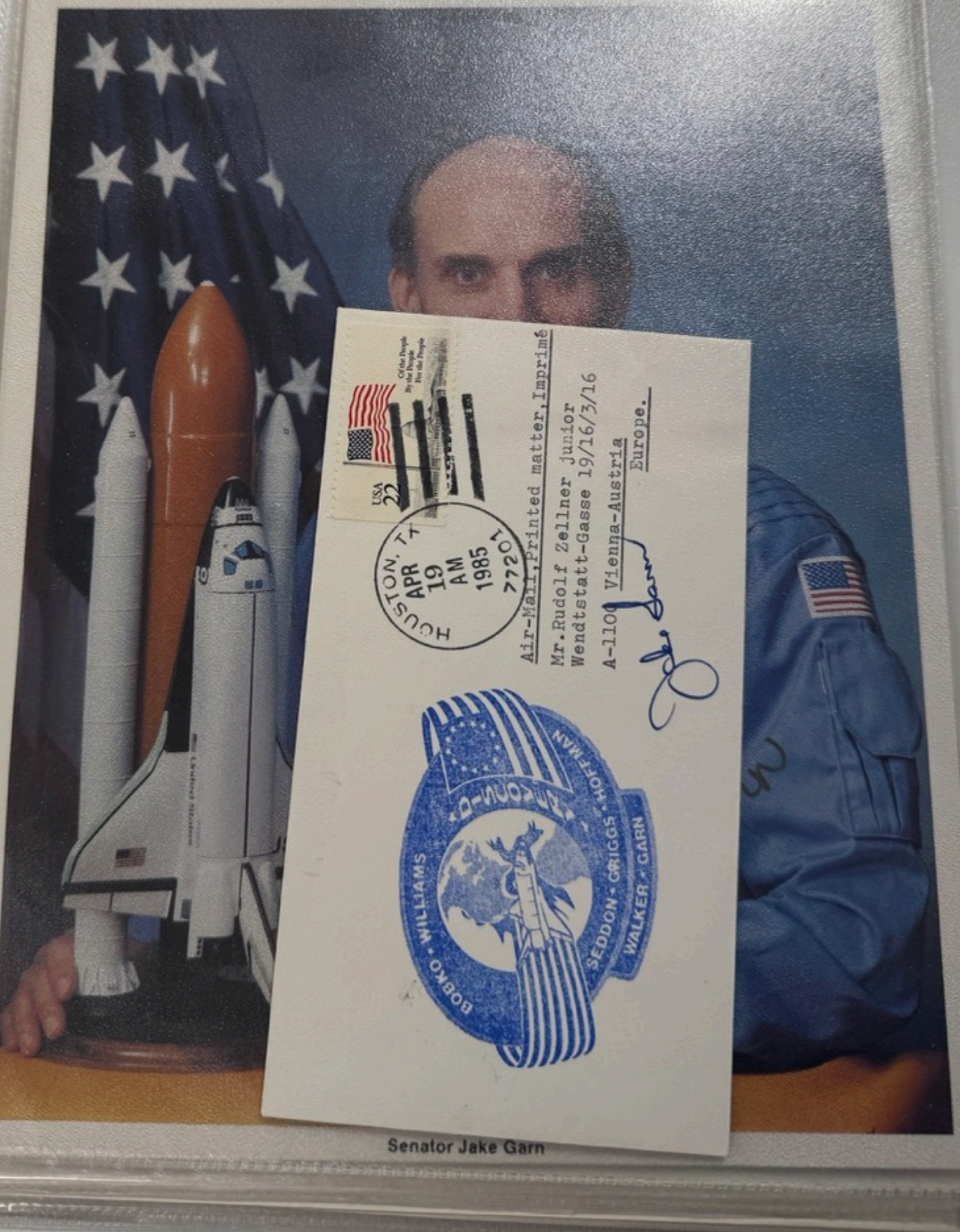



ASTRONAUT ROBERT C. SPRINGER




John O. Creighton

Garn (Senator)




Senator Jake Garn

Papier-Ludwig 06441-23042

Garn (Senator)




Senator Jake Garn

Lampton

114 P S

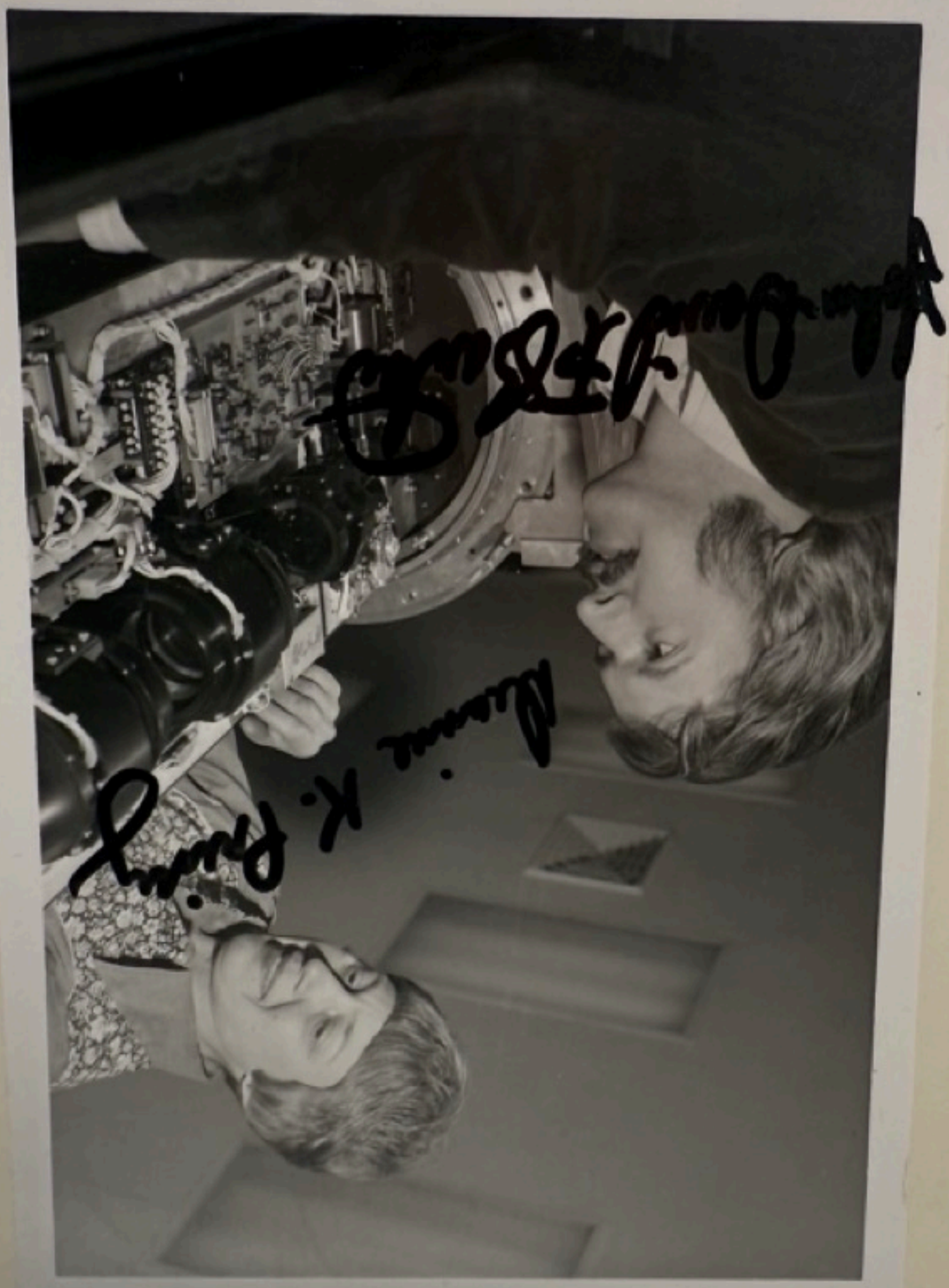
Best Wishes FRANZ!

Mike Lampton
Speaker One

Lichtenberg

15 PS





W. Simon

2


DR. GEORGE W. SIMON
NASA PAYLOAD SPECIALIST ASTRONAUT
SPACELAB 2 & SUNLAB MISSIONS
AIR FORCE GEOPHYSICS LAB
SUNSPOT, NEW MEXICO
DR. GEORGE W. SIMON
PAYLOAD SPECIALIST ASTRONAUT
NASA SPACELAB 2 MISSION
AIR FORCE GEOPHYSICS LAB
SUNSPOT, NEW MEXICO

Sultan bin Salman bin Abdul Aziz Al Saud

Mrs. Beate Hejl-Millowitsch
c/o Tesch
Leebgasse 100/5/1, Krags/ Ap. 4

SIGMA PVC PP Dokumentenecht

17th of September, 1986

Dear Mrs. Hejl-Millowitsch,

GULFSTREAM II
SHUTTLE TRAINING AIRCRAFT (STA)



EDWARDS, CA
SEP 16
AM
1977
93523

United States 13c

NASA FLIGHT RESEARCH CENTER
EDWARDS A.F.B., CALIFORNIA

TAIL NO - 947

CREW- ASTRONAUT F. HAISE
TED MENDENHALL

PRACTICE SHUTTLE APPROACHES

Printed matter, Imprimé.

Mr. Robert Tesch junior
Leebgasse 100/5/1/Ap. 4
A-1100 Vienna-
Austria

AIR MAIL

...FITS ... and
...ARTH
...our
...ssue
...r
...s,

Sultan bin Salman bin Abdul Aziz Al Saud

Mrs. Beate Hejl-Millowitsch
c/o Tesch
Leebgasse 100/5/1. Etage/ Ap. 4D
A1100 Vienna
Austria

17th of September, 1986

Dear Mrs. Hejl-Millowitsch,

Thank you for your letter of July 29, 1986 and the interest you express in it.

Enclosed please find the photographs you requested for Manfred, Ferdinand, Ernst, and your good self. I am also enclosing a copy of the issue of ARAMCO magazine which deals with the Space Shuttle flight. I hope that is satisfactory for your needs.

With my best wishes,

VANDERBILT UNIVERSITY
NASHVILLE, TENNESSEE 37235
TELEPHONE (615) 322-7311

*Center for Microgravity Research and Applications • Box 6079, Station B • Direct phone 343-6963*

Mrs. Margarete Hejl-Millowitsch
Leebgasse 100/5/1. Etage, Ap. 4 D
A-1100 Vienna
Austria





VIA AIR MAIL

Mrs. Margarete Hejl-Millowitsch
Leebgasse 100/5/1. Etage, Ap. 4D
A-1100 Vienna
Austria

*Dear Mrs. Hejl-Millowitsch:*

*Thank you very much for your re*
*mutual friends of the Space Program, e*
*takes a keen interest in her grandchildr*

*First of all, I have autographed*
*Mission covers which you sent with you*

*Secondly, I have autographed th*
*each, respectively, to Leopold, Gerhard,*

*Last, but not least, I am enclo*
*contains more than my biographi*
*astronauts aboard the Spacelab*
*do not have; I hope you will a*

*Wishing you and*

A Sci

by Taylor Wang

*TWG:jpm*
*enclosures:* *four covers*
*three potrait p*
*one article*
*one group photo*
*one take-off photo*



Goddard Space Center, Handstempel, Cachet und Original Unterschrift von US.-Präsident Ronald Reagan.

2. Space-Shuttle-Flight STS-2
Landing- day









„MIT APOLLO ZUM MOND"



PROJEKT APOLLO 13 - „DONAU" BSV WERBESCHAU WIEN - 16. 4. 70

1150 WIEN

Herrn/Frau Johanna DEPIL

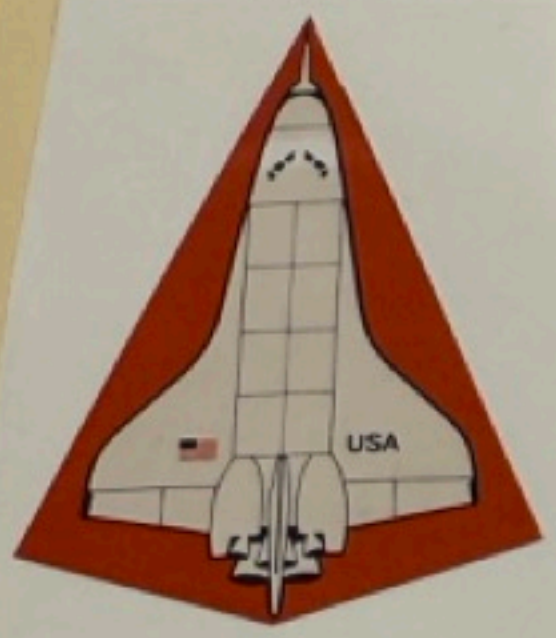
Laxenburger-Strasse 31+1+1o

A - 1100 WIEN



Goddard Space Center,Handstempel,Cachet und Original Unterschrift von US.-Präsident Ronald Reagan.

2. Space-Shuttle-Flight STS-2
Landing- day

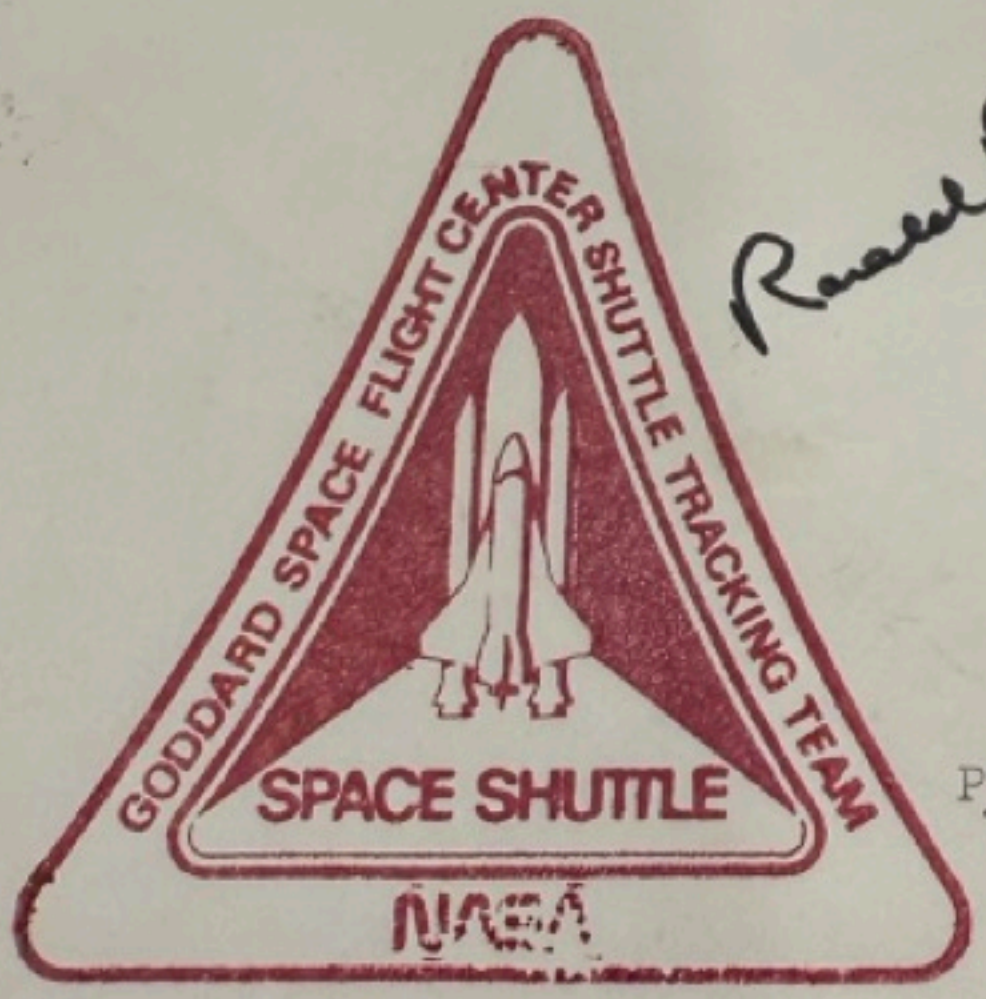



PHILATELIC SERVICE PROVIDED BY
JOHNSON SPACE CENTER STAMP CLUB




Ronald Reagan

AIR-MAIL-Printed matter,Inprimé.
Mr. Alexander T e s c h junior
Leebgasse 100/5/1/4
A-1100 Vienna - Austria




STS-2/OSTA-1

Ronald Reagan




Printed matter, Inprimé, AIR-MAIL.
Mr.Leopold T e s c h junior
Leebgasse 100/5/1/4
A-1100 Vienna - A u s t r i a

NASA Manned Spacecraft Center Houston Texas,Maschin-Missionstempel+Cachet
US.-Präsident Ronald Reagan telefonierte über Houston,mit den Astronauten im Weltall(Original-Unterschrift.).



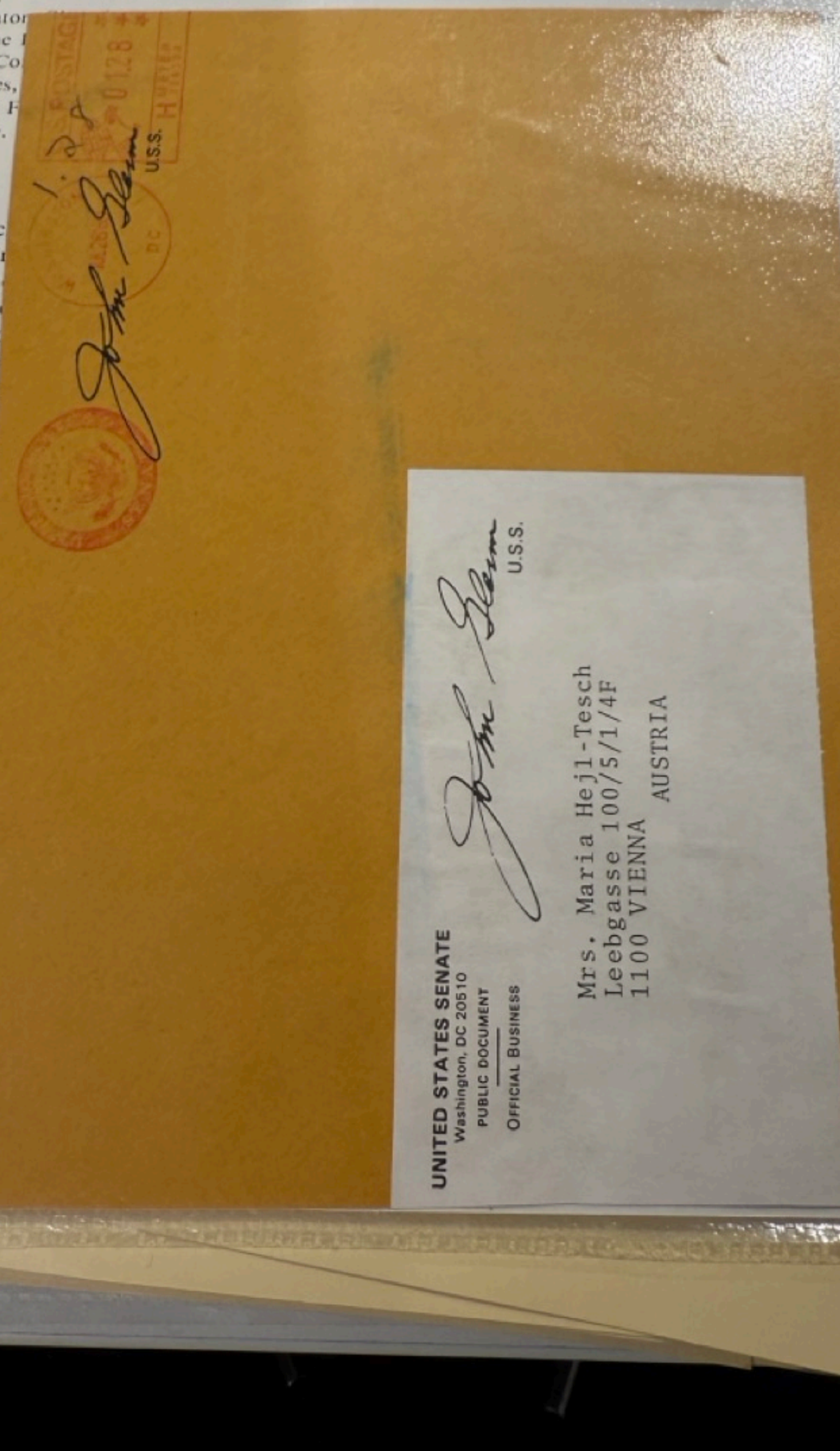
# JOHN GLENN
# U.S. SENATOR

*For John Glenn, the opportunity to represent Ohioans in the U.S. Senate is the most recent honor in a distinguished career that has included military service, astronautics, private business, civic activities and politics.*

*As Senator*
*nation. In the*
*the Special Co*
*subcommittees,*
*Conventional F*
*Subcommittee.*

*John Hers*
*public schools i*
*While a stu*
*the Naval Aviati*
*in the Marine Co*
*flew reconnaissa*
*duty in the Korea*
*decorations, incl*
*In the late 19*
*record from Los*
*John Glenn*
*20, 1962, he becar*
*After 23 year*
*to civilian life, he*
*also played an ac*
*Task Force on E*
*Glenn entere*
*of Ohio. He was*
*the Senate by 63*

*John Glenn*
*in 1945 and Lyn,*
*Ohio.*

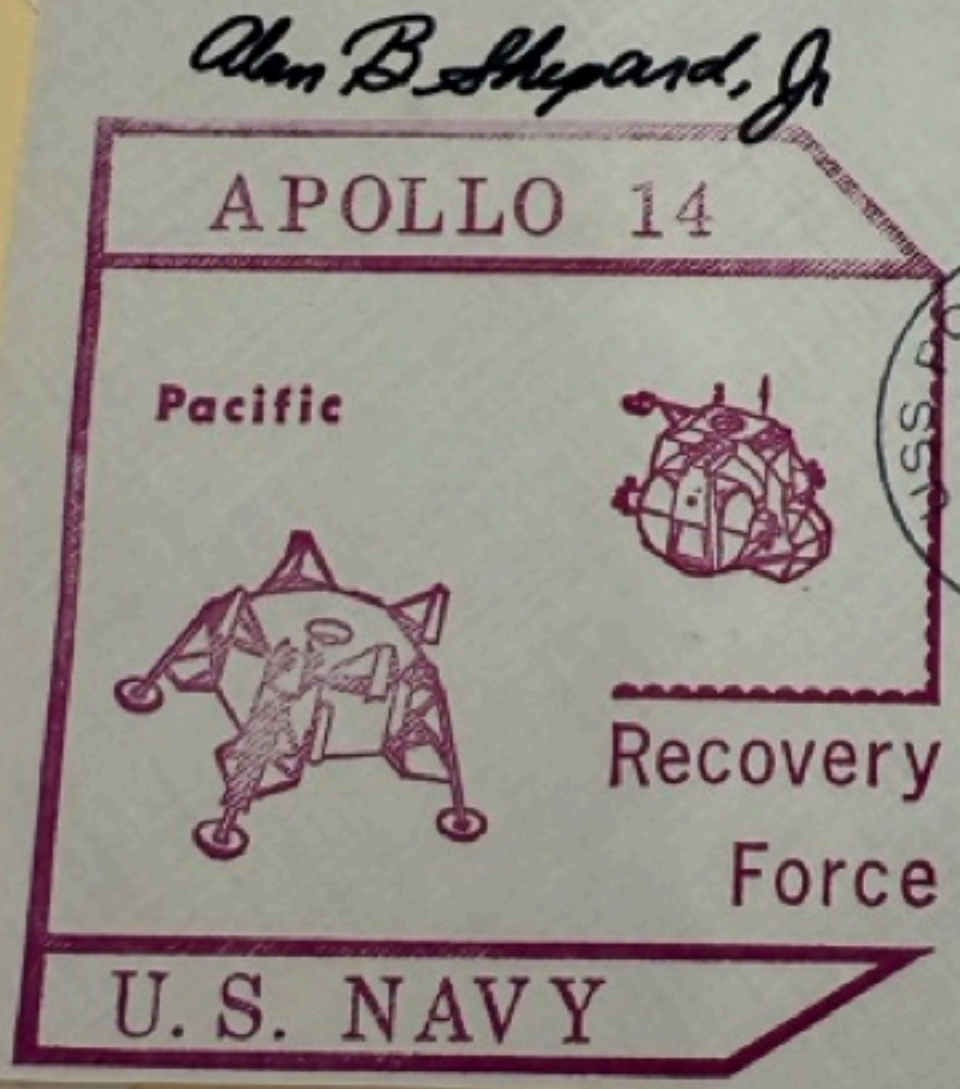


Astronaut: Alan B. Shepard junior — Raumschiff-Kommandant.
Stuart A. Roosa — CSM-Pilot"Kitty Hawk".
Edgar D. Mitchell — LM-Pilot"Antares".

Missions-Flug:"Apollo 14 (AS-509) — Flugzeit: 216 h 1 min 57 sec.
Start-Tag: 31.1.1971. — Einschuß zum Mond: 31.1.1971.
Mond-Umlauf erreicht: 4.2.1971. — Mond-Umläufe: 34
Mondlandung: 5.2.1971 (3h18min AM.CST.) im "Fra Mauro- Hochland."
Ausstieg(EVA)1:5.2.1971 (4 h 48 min.) — Ausstieg(EVA)2:6.2.1971(4h35min).
Rückstart vom Mond:6.2.1971. — Mondgesteins-Proben: ca. 48 kg.
Mondfähre"Antares"mit Shepard und Mitchell auf dem Mond: 33 h 31 min.
Einschuß zur Erde: 7.2.1971.
Wasserung u.Bergung:9.2.1971 4 Meilen entfernt vom Bergungs-Schiff Flugzeugträger"USS New Orleans"Bergung im Pazifik.

Wegen eines Gewitters wurde der Start um 30 min verschoben.Shepard und Mitchell landeten mit dem"LM" im"Fra Mauro Hochland".Kurz nach der Landung"EVA 1";benützt wurde ein Karren(2 Räder)und die automatische Station "ALSEP 2"wurde aufgestellt.Am nächsten Tag"EVA 2";selenologische Expedition zu den Kratern"Cone" und"Rim",die sie aber nicht ganz erreichten . Einige Stunden später Rückstart der Mondfähre(LM)vom Mond zur Ankoppelung mit "Apollo 14 CSM Kitty Hawk".Nach Umstieg der Astronauten und Abkoppelung der Mondfähre in Richtung Mond,Rückflug zur Erde.

1.Other recovery ship"Apollo 14"
recovery fleet Pazific







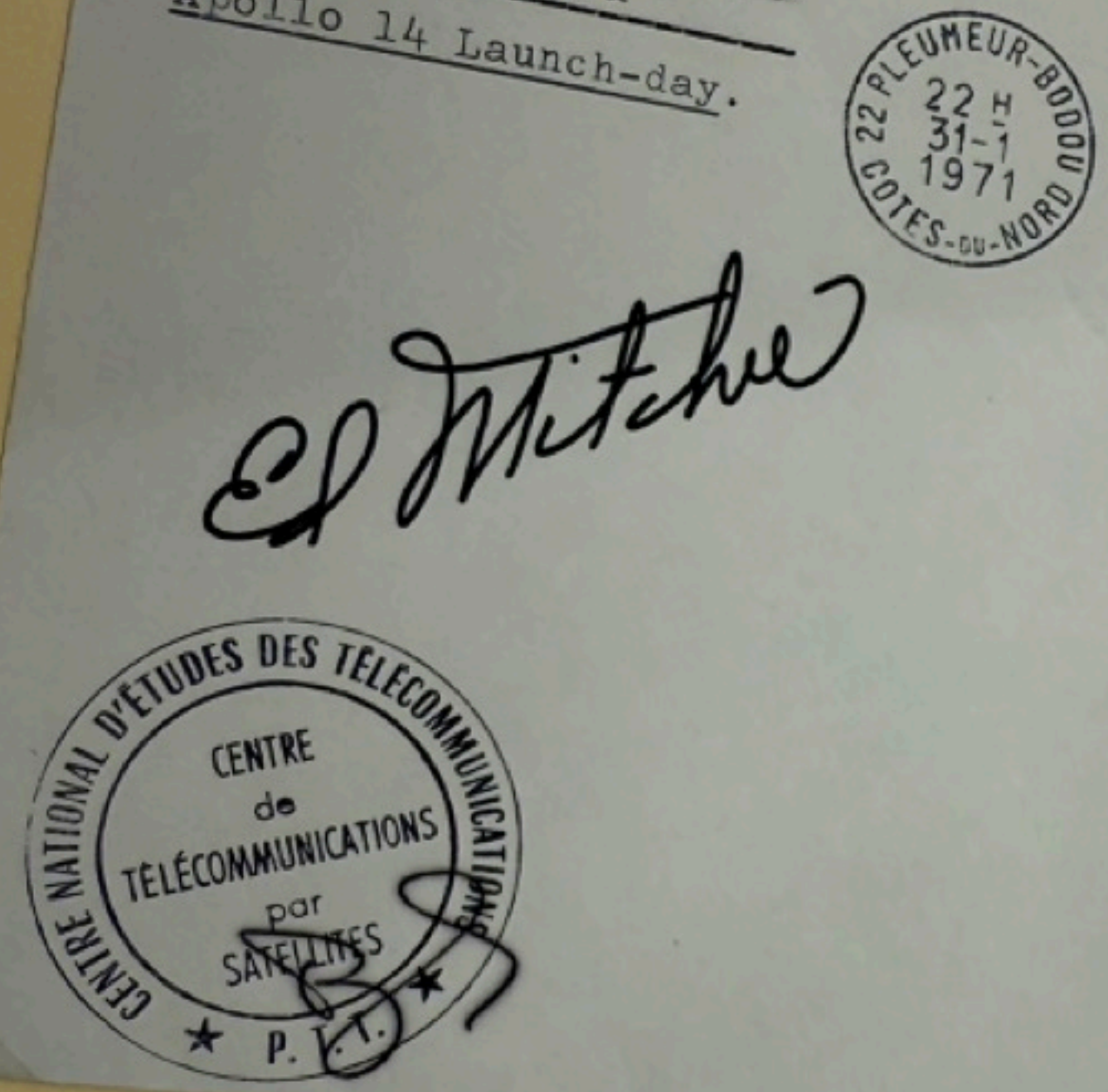
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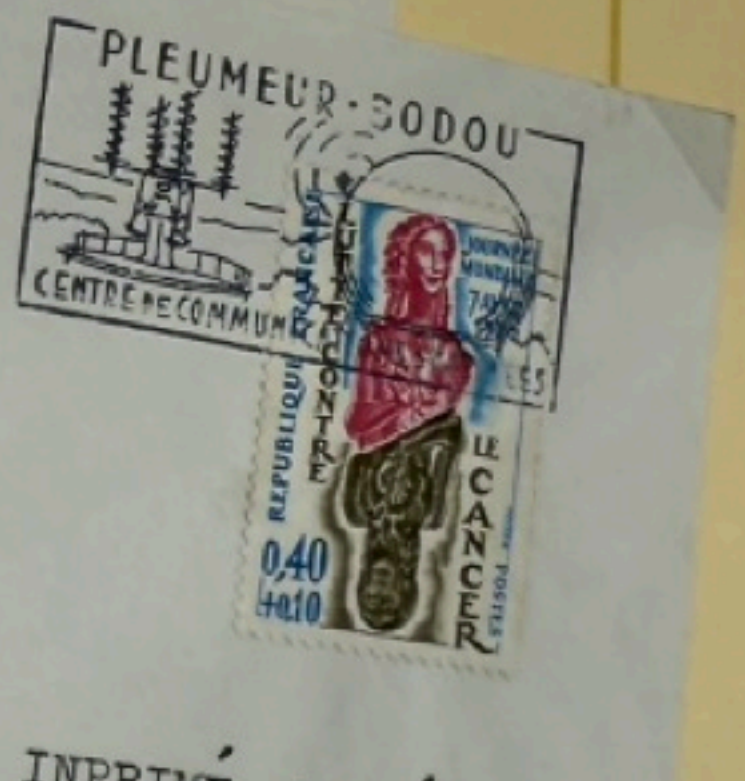
Ms.Hannerl Depil
Laxenburgerstr. 31/1/10
A-1100 Wien/Austria/Europa

Nebenbergungs-Schiff "USS Ponchatoula" im Atlantik+Missions-Cachet
+ Unterschrift vom Kommandant Alan B.Shepard.

Spezial-Relais-Station
Pleumeur-Bodou

Apollo 14 Launch-day.







INPRIMÉ, PRIMÉ
PRINTED MATTER

Tesch Leopold
Leebgasse 100/5/1/4
A-1100 Wien/Austria

Starttag. Satelliten-Relais-Zentrale (Télécom. par satellites) Pleumeur-Bodou Frankreich mit Unterschrift vom LM-Pilot Edgar Mitchell.

Commander.pilot(CSM+LM).

Astronaut: Alan B. Shepard junior

Landetag.Atlantik Bergungs-Schiff der US.-Navy "USS Hawkins (DD 878)
mit Unterschrift vom LM-Pilot Edgar Mitchell.

Atlantic Recovery Force
U.S.Navy
" Apollo 14 "

USS HAWKINS
FEB
9
PM
1971
(DD 87?)







Ed Mitchell

PRINTED MATTER.

Mr. Johann Fesslmar
Laxenburgerstr. 54-56/2/11
A-1100 W i e n / Austria
(3. Other recovery ship)

Commander.pilot(CSM+LM).

Start "Apollo 14" vom Kennedy Raumfahrt Zentrum Florida+Maschinstempel III c,+Missions-Cachet,+Unterschrift vom Astronaut Stuart A.Roosa.

Launching date"Apollo 14"







Stuart Roosa




PRINTED MATTER.
Mr. Tesch Leopold jun.
Leebgasse 100/5/1/4
A-1100 Wien/Austria

MSFN-Station Madrid.

RCELONA VIA VALENCIA

NASA-INTA (MSFN)
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APOLLO 14

USA.-Space.Flight
"Apollo 14
Launch-day

El Mitchell

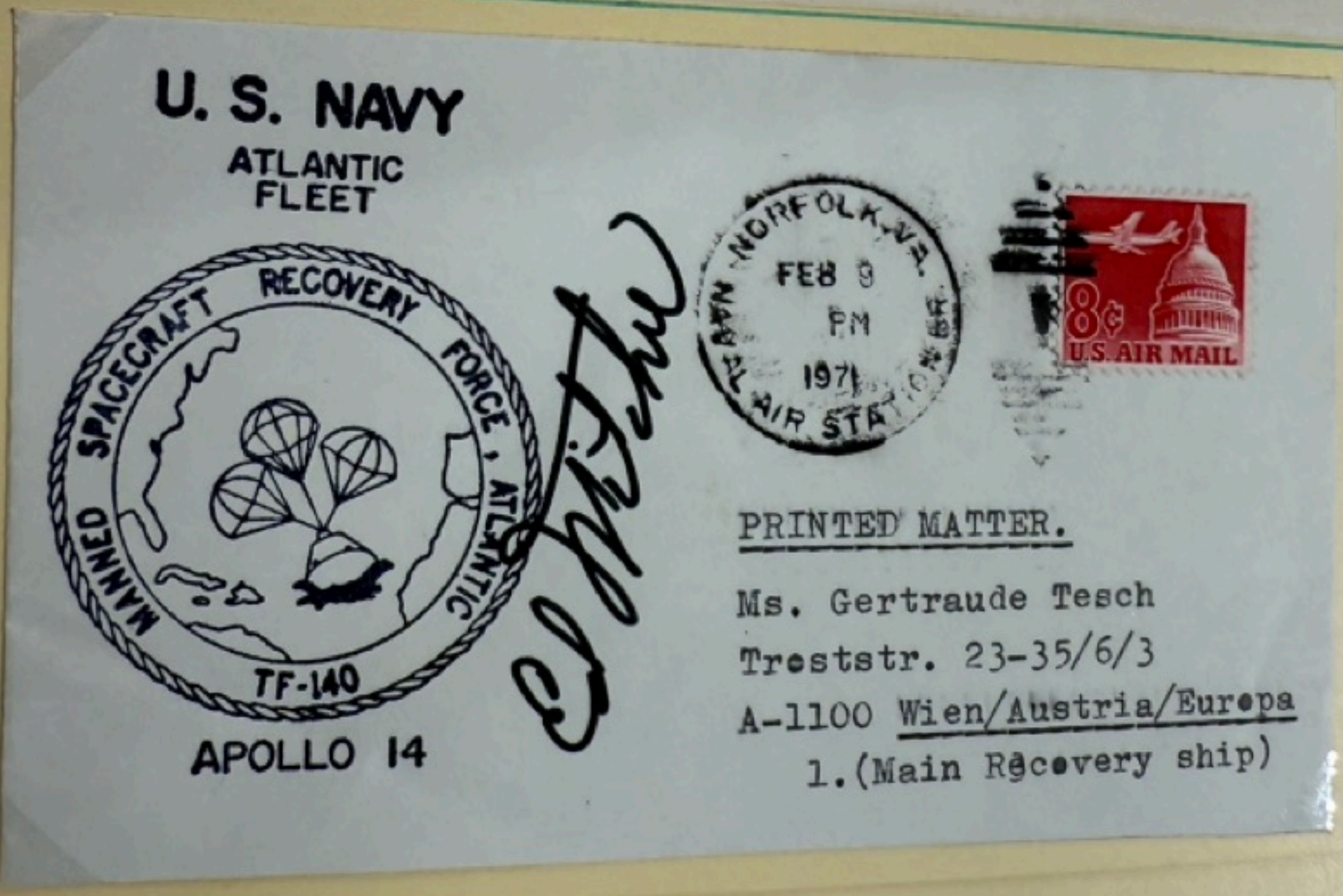
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PRINTED MATTER

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Leebgasse 100/5/1/4
A-1100 Wien/Austria

NASA"INTA-MSFN-Tracking Station Apartado, Madrid Spain(Espagna)splashdown with signature LM-pilot Edgar Mitchell.

Commander.pilot(CSM+LM).
Hawk".

Manned spacecraft recovery force TF-140 center Atlantic Norfolk Va.
with signatur from LM-pilot Edgar Mitchell.




PRINTED MATTER.

Ms. Gertraude Tesch
Treststr. 23-35/6/3
A-1100 Wien/Austria/Europa
1.(Main Recovery ship)

Commander.pilot(CSM+LM).
"Kitty Hawk".
"Antares".
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31.1.1971.
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NASA-MSFN-Tracking-Station Kanarische Inseln Spanien am Start-Tag
+Unterschrift v.Pilot St.Roosa+Stat.Direktor C.A.Rouiller junior.

MSFN-Station NASA
Grand Canary

C. A. ROUILLER, Jr.
NASA SITE DIRECTOR
CYI - GRAN CANARY

C. A. Rouiller







PRINTED MATTER, PRIMÉ, INPRIMÉ

Tesch Leopold
Leebgasse 100/5/1/4
A-1100 W i e n /Austria

" Apollo 14 "

Erste Funkverbindung mit"Apollo 14"(1.2.1971 07h 03min AM) der NASA-Tracking Station Dandan,Guam(Datumgrenze)+Unterschriften v.Kdr.Alan Shepard und von Stations-Direktor Charles Force.

NASA GUAM TRACKING STATION
DANDAN, GUAM 96910

CHARLES FORCE, DIRECTOR
GUAM TRACKING STATION

Alan B. Shepard, Jr




LAUNCH APOLLO XIV
1 FEB 1971 0703 am

PRINTED MATTER, INPRIMÉ

Mr. T e s c h Leopold
Leebgasse 100/5/1/4
A.1100 Wien/Austria/Europa

APOLLO
NASA

AIR MAIL
PAR AVION

Astronaut: Alan B. Shepard Junior

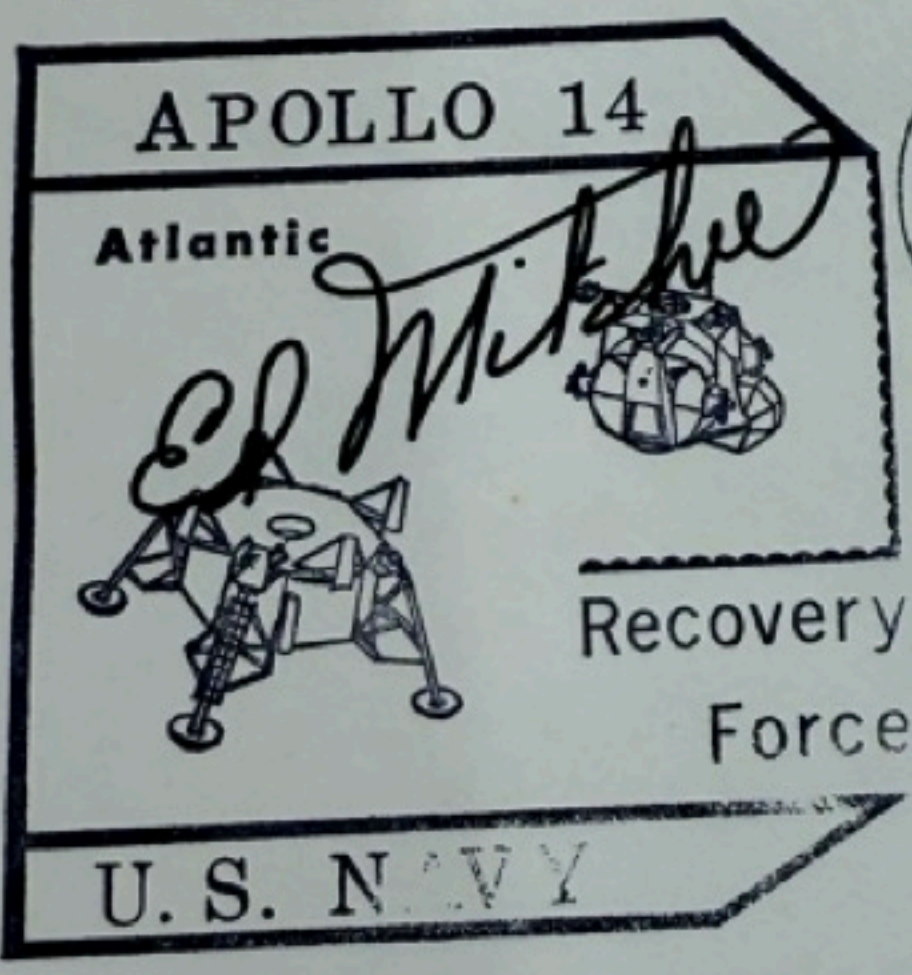
Commander.pilot(CSM+LM).
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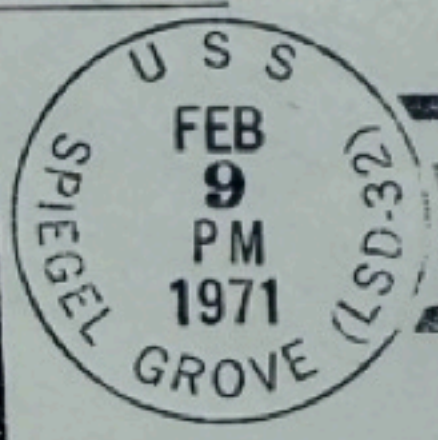
landed on the
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Astronaut: Alan B. Shepard junior — Commander.pilot(CSM+LM).
Stuart A. Roosa — CSM-pilot "Kitty Hawk".
Edgar D. Mitchell — LM-pilot "Antares".
missions-flight:"Apollo 14 (AS-509). flight-duration: 216 h 1 min 57 sec.
launch-day: 31.1.1971. translunar injection: 31.1.1971.
lunar orbit injection: 4.2.1971. lunar orbits: 34
lunar landing: 5.2.1971(3h18min.AM.CST).in the "Fra Mauro- highland".
EVA 1: 5.2.1971 (4 h 48 min). EVA 2:6.2.1971 ( 4 h 35 min).
lunar lift-off: 6.2.1971. lunar surface samples: 96 pounds.
"LM"Antares with Shepard and Mitchell on the lunar surface: 33 h 31 min .
trans earth insertion: 7.2.1971.
splashdown and recovery: 9.2.1971,near 4 miles from aircraft-carrier "USS.-
New Orleans" was the recovery-ship for the astronauts,in the Pacific ocean.

"Apollo 14" Atlanic/USS-Spiegel Grove"







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Ms. Maria Hejl
Leebgasse 100/5/1/4
A-1100 Wien/Austria

(Main Recovery ship)

Recovery Force

Recovery-ship "USS Spiegel Grove (LSD-32) Atlantic + NASA ship-cachet
+ sign. LM-pilot Edgar Mitchell.

The launch was delayed by a thunderstorm.Shepard and Mitchell landed on the
moon in the"Fra Mauro-highland".Only a few hours later the made thair first
"EVA"using the first"Modular Equipment"-transporter and erecting the "ALSE
2.On the next day during "EVA 2" they made a selenologic excursion to the
crater"Cone" and"Rim", which they could not reach.Some hours later the "LM
"Antares" liftied off from moon.

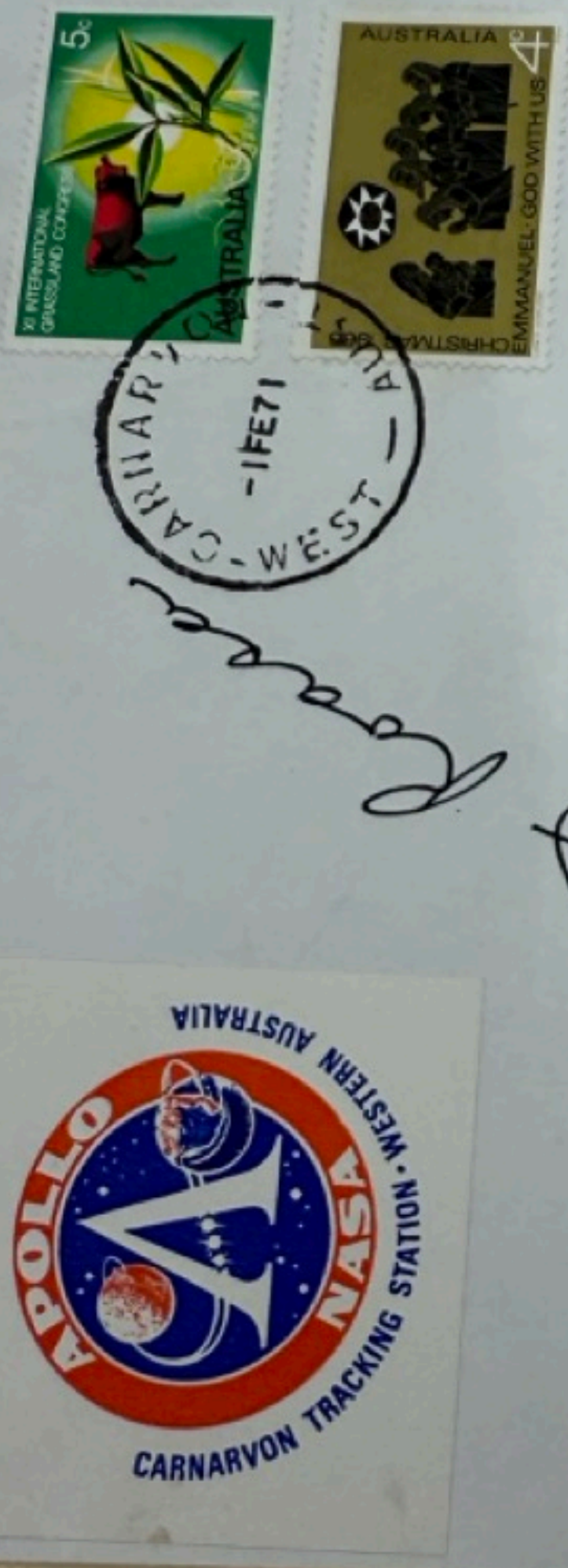
Astronaut: Alan L. Bean — Raumschiff-Kommandant.
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Pilot.
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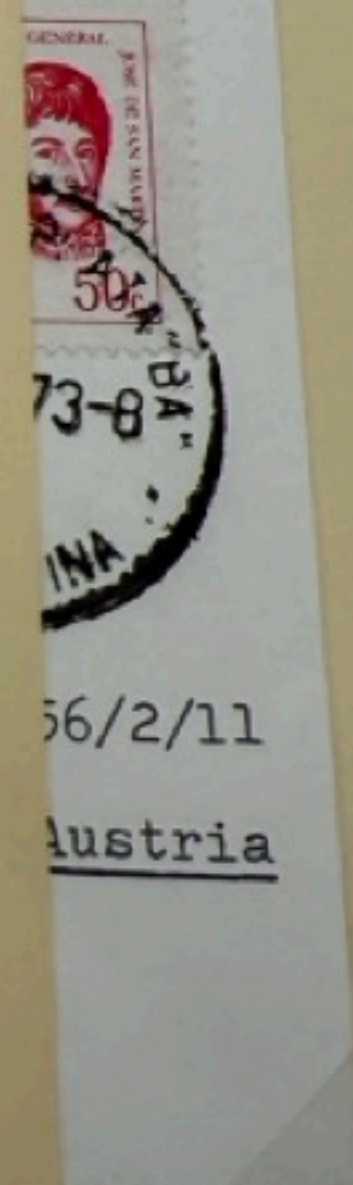

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Tesch Leopold
Leebgasse 100/5/1/4

A-1100 Wien/Austria

" Apollo 14 "

NASA-MSFN-Tracking Station Carnarvon West Australien+Klebe Cachet
+ Unterschrift vom CSM-Pilot Stuart A. Roosa.




56/2/11

Austria

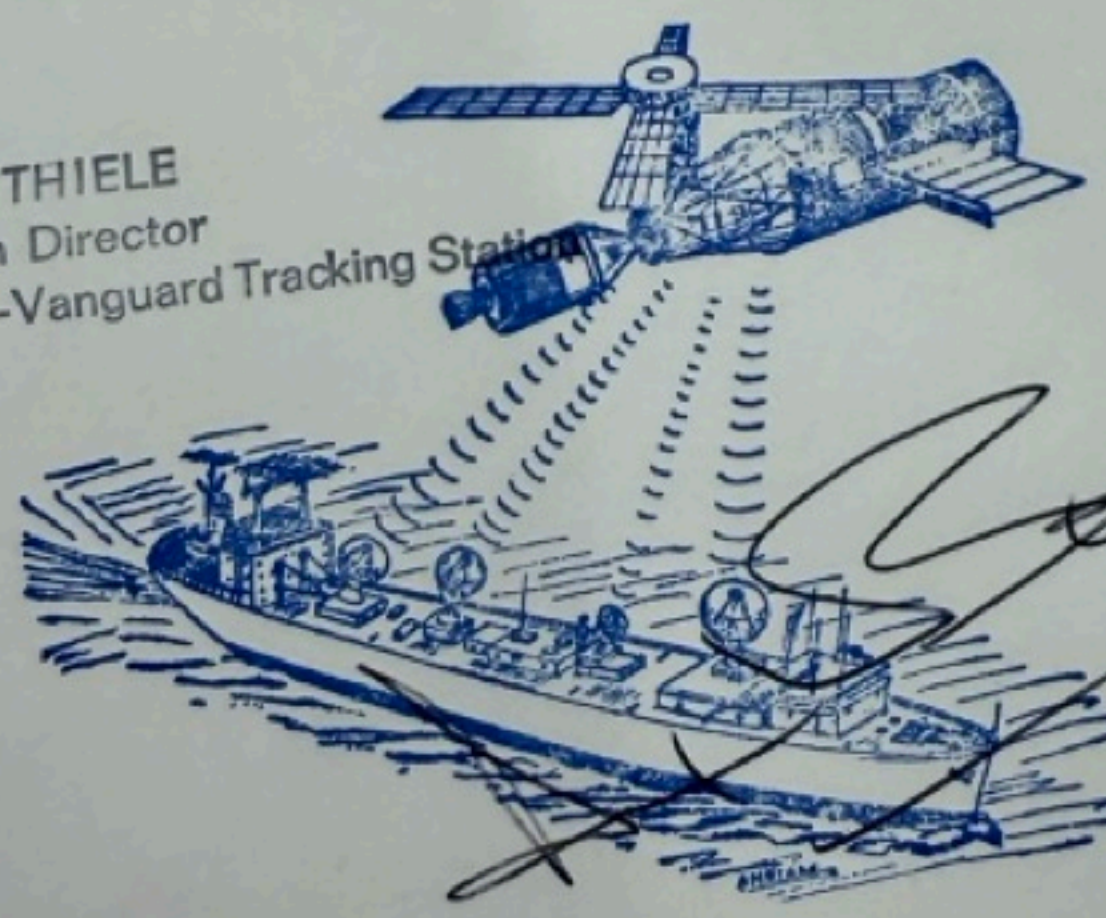
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Astronaut: Alan L. Bean — Raumschiff-Kommandant.
Dr. Owen K. Garriott — Wissenschaftler-Spezial-Pilot.
Jack R. Lousma — Pilot.
Missions-Flug:"Skylab 3 (AS-207)". Start-Tag:28.7.1973 6h11min a.m.CDT.
Rendezvous+Koppelung:28.7.1973 mit"SL-1". Flugrekord: 24.8.1973.
Flugzeit:1427h 9min (59 Tage 11h 9min). Erd-Umläufe: 858
Ausstieg(EVA)1: 6.8.1973(6h 31 min). Ausstieg(EVA)2:24.8.1973 (4h31min).
Ausstieg(EVA)3:22.9.1973(2h 45 min).
Schwierigkeiten während des Missions-Fluges:2 Steuerraketenbündel fielen aus(28.7.und 2.8.1973),die ganze Mission fast in Gefahr.
Spezial Experimente :
1) "SO52" Weißlicht Coronagraph.-Gerät.
2) "SO54" X-Ray spektrographisches Teleskop.
3) "SO55" UV-Scanning Polychromator Spektroheliometer.

Wasserung u.Bergung:25.9.1973 225 Meilen südwestlich von San Diego,in der Nähe vom Bergungs-Flugzeugträger"USS New Orleans",der auch die Bergung am gleichen Tag durchführte.

Kurz nach dem Start einige Schwierigkeiten.Die sofort anlaufenden Vorbereitungen zur Rückholung(mit"Skylab 4" als Rettungs-Mission) waren überflüssig.Bei den Ausstiegen(EVA 1-3)wurden u.a.ATM-Filme mehrmals ausgewechselt,ein zweites Sonnen-Schutzschild aufgespannt und eine neue Kreiselplattform montiert.Ohne weiteren Schwierigkeiten kehrte"Skylab 3" nach 2 Monaten Flugzeit,wieder zur Erde zurück.

Skylab III



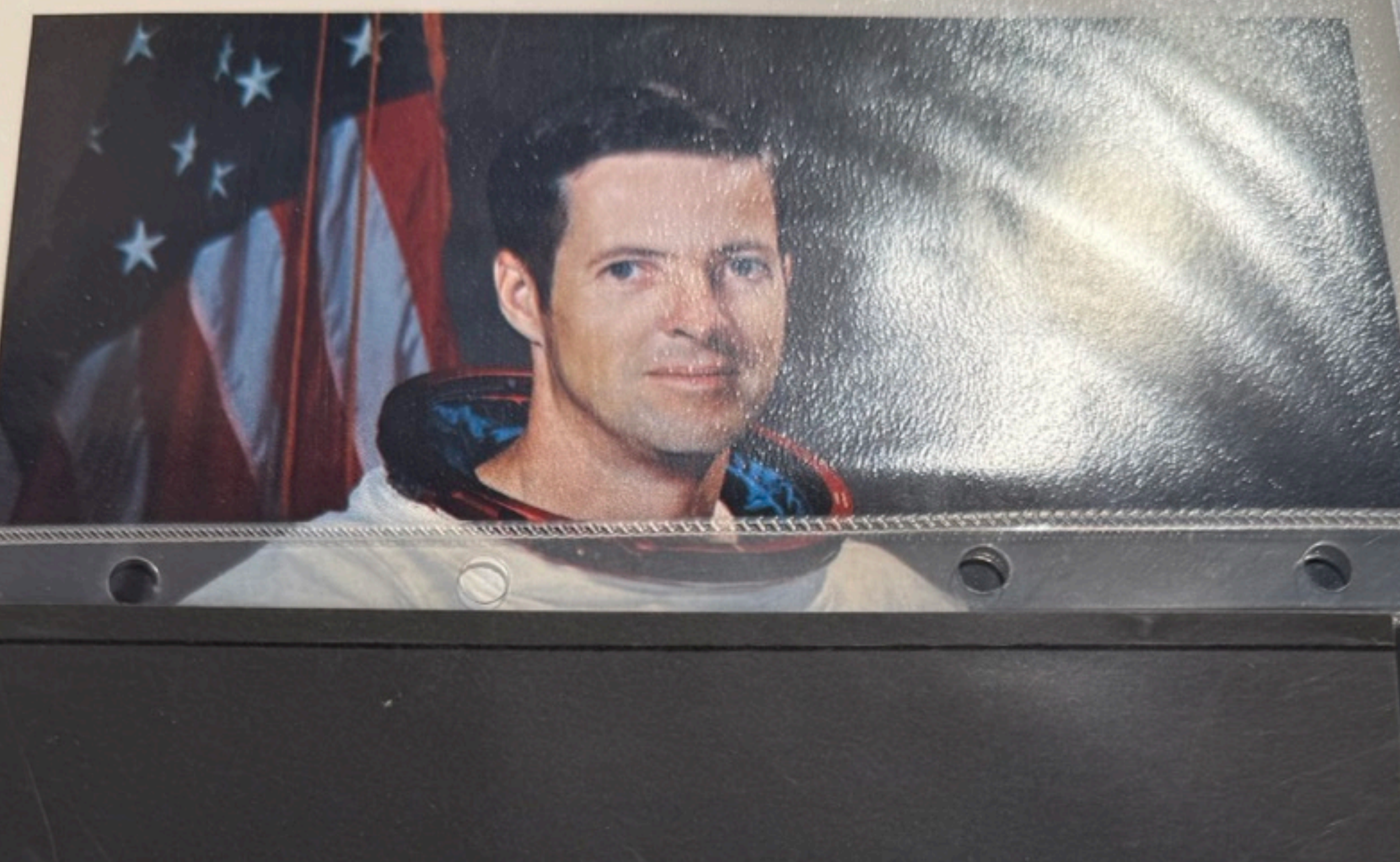
O. W. THIELE
Station Director
NASA-Vanguard Tracking Station




Ms.
Juliana Fesselmai
Laxenburgerstr.54-56/2/11
A-1100 Vienna-Austria

NASA-Vanguard Tracking Station

Start-Tag."UNSN Vanguard" mit NASA Schiffs-Tracking-Station, am Empfangs-Standort"Mar del Plata"Argentinien + Unterschrift vom Raumschiff-Kommandant Alan L. Bean.





HERE MEN FROM THE PLANET EARTH
FIRST SET FOOT UPON THE MOON
JULY 1969, A. D.
WE CAME IN PEACE FOR ALL MANKIND

NEIL A. ARMSTRONG
ASTRONAUT

MICHAEL COLLINS
ASTRONAUT

EDWIN E. ALDRIN, JR.
ASTRONAUT

RICHARD NIXON
PRESIDENT, UNITED STATES OF AMERICA

WASHINGTON, DC
SEP
9
1969

MOON LANDING
JUL
20
1969
USA




UNITED STATES

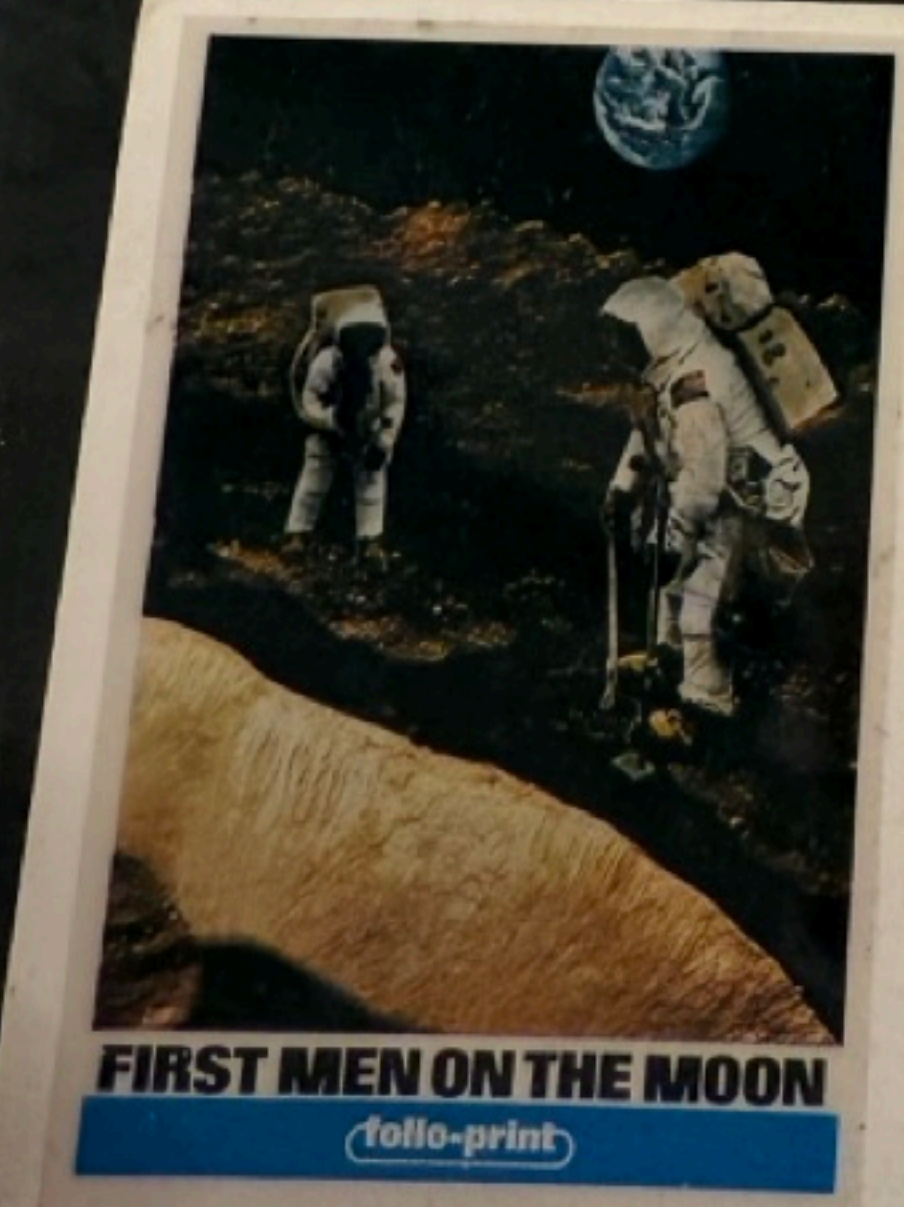
~~FIRST MAN ON THE MOON~~

FIRST DAY OF ISSUE

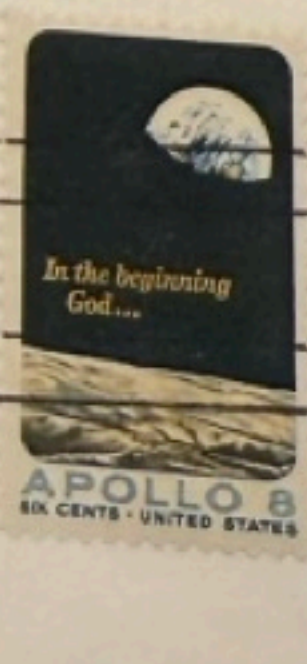
Neil Armstrong

Buzz Aldrin

GOODWILL AMBASSADOR, P.O. Box 26, FLUSHING, N. Y. 11358




CAPE CANAVERAL, FL
JUL 20
P M
1969
32920




Buzz Aldrin

THE EAGLE HAS LANDED

Today - Sunday, July 20th, 1969 at 4:17 PM - U.S. Astronauts Neil Armstrong and Edwin Aldrin,Jr. landed on the moon. Six hours later at 10:56 PM, Neil Armstrong became the first man to set foot on the lunar surface. Pausing briefly he spoke the first words on lunar soil: "That's one small step for man, and one giant step for mankind".

OU




ASTRONAUT JOSEPH P. KERWIN




WALTER CUNNINGHAM




**John H. Casper**

ASTRONAUT BRYAN D. O'CONNOR




ASTRONAUT BRYAN D. O'CONNOR


W.R. Lucas
Director
Marshall Space Flight
NASA



Charles F Hall
Pioneer Proj Venus

PIONEER VENUS
multiprobe




INMERSION DE LAS
4 SONDAS EN LA
DENSA ATMOSFERA
DEL PLANETA.

LAUNCH OF THE FOUR
PROBES INTO THE
VENUSIAN ATMOSPHERE

ESTACION ESPACIAL DE MADRID SPACE STATION

VALORES
-9 DIC 7
SUC. 35-MA

2 PTA
ESPAÑA
CORREOS

Printed matter, Inprimé.

Mr.

Tesch Leopold junior

Leebgasse 100/5/1/4

A-1100 Vienna - Austria

Laurence Colen
Pioneer Venus Project Scientist

Inhaltsverzeichnis und Leitfaden dieses Exponates:

"US.- Astronauten und ihre Weltraumflüge".

1) Die einzelnen Weltraum-Missionsflüge werden durch Missionsbelege(mit Unterschrift der Astronauten)belegt und der Flug-Ablauf in Kurzform angeführt.

2) Die einzelnen Flug-Phasen der"Apollo" Weltraumflüge werden mit Briefmarken u.Block,bei"Apollo 11" und bei dem"ASTP 75" Gemeinschaftsflug USA-UdSSR(Apollo Sojus Test Projekt) gezeigt.

3) Speziell für die heutige philatelistische Jugend,die zur Zeit der ersten Weltraumflüge noch nicht geboren war,werden die einzelnen US.-Astronauten ausnahmsweise mit Original-Farbfoto der"NASA"(mit Unterschrift u.Widmung)vorgestellt resp.dokumentiert.

4) Missionsbelege(mit Sonderstempeln,mit"NASA"-Missions-Cachet u. mit Unterschriften) werden gezeigt von:

a) Start: Cape Kennedy Space Center Fl.USA.
Cape Canaveral Florida USA.
b) Kontroll-Flugzentrum: Houston,Tx.USA.
c) Flug.Phasen: KSC.,CC.
d) Arbeiten,Experimente,Pannen,Ausstiege in´s Weltall,usw., während des Fluges: KSC.,Houston u.diverse Stationen.
e) Bodenstationen: STDN-,NASCOM.-,Wetterstationen(über die ganze Erdkugel verteilt.
f) Beobachtungs-Schiffe:mit Trackingstation(jeweiliger Standort.
g) Bergungs-Zentralen: Kunia,Norfolk.
h) Bergungs-Schiffe: im Pazifik u.Atlantik.
i) usw.

5) Missionsflug"Skylab IV":Astronauten-Spezial-Beobachtungsfotos vom"Komet Kohoutek".Kurzkommentar vom Entdecker des Kometen Missionsbeleg(mit Unterschrift)u.NASA-spezial-Flugphasenfotos (mit Unterschrift).

6) Dieses Ausstellungs-Exponat wurde in Deutsch und Englisch angefertigt.

7) Das Motivgebiet"Weltraumforschung" ist eines der schönsten u. interessantesten Sammelgebiete,denn es ist,bis in die ferne Zukunft,kein Ende zu sehen.
Aus eigener Erkenntnis,kann ich jedem Sammler dieses faszinierende,technisch einmalige,von den USA mit Milliarden Dollar finanzierte Forschungsgebiet,empfehlen resp.dieses Forschungsgebiet,mit Marken,Briefen u.Fotos(mit Unterschrift),zu sammeln.

Astronaut: Virgil I. Grissom — Raumschiff-Kommandant "Molly Brown".
John W. Young — Pilot.
Missions-Flug: "Gemini 3". — Flugzeit: 4 h 52 min 31 sec.
Start-Tag: 23.3.1965. — Erd-Umläufe: 3
Wasserung u.Bergung: 23.3.1965 50 Meilen vom Flugzeugträger "USS Intrepid" der auch die Bergung im Atlantik durchführte.

Erprobung des Raumschiffes. Erstmals änderte ein bemanntes Raumschiff seine Umlaufbahn über Texas, USA.

Astronaut: Virgil I. Grissom — Commander-pilot — "Molly Brown".
John W. Young — pilot.
missions-flight: "Gemini 3". — flight-duration: 4 h 52 min 31 sec.
launch-day: 23.3.1965 . — earth-orbits: 3
splashdown and recovery: 23.3.1965 "Molly Brown" landed 50 miles uprange from aircraft-carrier "USS Intrepid", was the recovery-ship in the Atlantic.

Three-orbit demonstration of the spacecraft; maneuver over Texas, USA, on the first pass changed orbital path of a manned spacecraft for first time.




First Day cover
"Gemini 3 Flight

John Young

Herrn
Karl P a t z e k
Wällischg. 12
W i e n III., Oesterreich

Ersttag-Kuvert v.17.4.1965 der CSSR + Unterschrift vom Pilot John Young.

Astronaut: Frank Borman — Raumschiff- Kommandant

Besatzung: James A. Lovell — Missions-Flug: "Gemini 7"
Start-Tag: 4.12. 1965. — Flugzeit: 330 h 35 min 1 sec.
Erd-Umläufe: 206 — Rendezvous: 15. 12. 1965.

Langzeit-Flug von 14 Tagen Dauer.Mehrere Experimente wurden durchgeführt,u.a.passives Rendezvous-Ziel für "Gemini 6A",Auswirkungen auf den Menschen bei langanhaltender Schwerlosigkeit,Formationsflug mit der zweiten Raketenstufe,verschiedene Test mit dem Raumschiff und weitere 20 Experimente.Bis auf zwei Test wurden alle Programm-Ziele erreicht.Ausserdem wurde eine Rendezvous-Beschreibung bei " Gemini 6A" durchgeführt.Wasserung von "Gemini 7" im Atlantik am 18.12.1965,die Bergung wurde vom HBS "USS Wasp" durchgeführt.

1.Jahrestag "Space-Rendezvous"
"Gemini 7 und Gemini 6a
15.12.1965












Frau Johanna
D e p i l
A-1100 Wien /Laxenburgerstr.31/1/10

Astronaut: Frank Borman — Commander-pilot

crew-pilot: James A.Lovell — missions-flight: " G e m i n i 7"
launch-day: 4. 12. 1965. — mission-duration: 330h 35min 1 sec.
earth-orbits: 206 — rendezvous passiv: 15. 12. 1965.

Long-duration mission of 14 days.Mission objectives of the test of physiological effects during the flight,rendezvous target for "Gemini 6A",stationkeeping with the secound stage,20 experiments, using leightweight pressure suits and evaluating the spacecraft - systems.More information about the rendezvous:see "Gemini 6A". "Gemini 7" splashed-down in the Atlanic(18.12. 1965),recovery by "USS Wasp".

Astronaut: Charles Conrad — Raumschiff-Kommandant (CSM + LM).
Richard F. Gordon — CSM-Pilot — "Yankee Clipper".
Alan L. Bean — LM -Pilot — "Intrepid".
Missions-Flug: "Apollo 12 (AS-507)". Flugzeit: 244 h 54 min 41 sec.
Start-Tag: 14.11.1969 (11 h 22 min AM) Einschuß zum Mond: 14.11.1969.
Mond-Umlauf erreicht:17.11.1969 (10h47min23sec.PM) Mond-Umläufe: 45
Mondlandung am: 19.11.1969 (01h54min35sec.PM) im: "Meer der Stürme"
Einschuß zur Erde:21.11.1969(03h49min16sec.PM) Mond-Gesteinsproben:37.5kg
Wasserung am: 24.11.1969 (03h58min24sec PM) im: Pazifik .
Bergung:24.11.1969 durch Hauptbergungs-Schiff Flugzeugträger"USS Hornet".

Der"Apollo 12"-Flug war die zweite Landung auf dem Mond.Beim Start wurde "Apollo 12"vom Blitz getroffen,was aber keine weiteren Folgen hatte.Bean und Conrad waren 31 h 31 min.auf der Mondoberfläche.Am 19.11.1969(EVA 1) wurde die wissenschaftliche automatische Station"ALSEP 1",aufgestellt. Am 20.11.1969(EVA 2")großer Rundgang,bis ca.1.7 km Entfernung,Besuch bei der US.-Sonde"Surveyor 3"(ca.2-1/2 Jahre auf dem Mond) und Rückstart vom Mond am gleichen Tag.




Start-Kennedy Weltraum Zenter,Florida.Mit KSC.-Cachet NC 32a,mit Maschinstempel IIIb + U.Charles Conrad.

Astronaut: Charles Conrad Commander-pilot (CSM-LM).
Richard F.Gordon Command module-pilot(CSM)"Yankee Clipper".
Alan L. Bean Lunar module-pilot(LM)"Intrepid" .
missions-flight:"Apollo 12(AS-507) launch-day:14.11.1969 (11 h 22 min AM).
flight-duration: 244 h 54 min 41 sec. lunar lift-off: 14.11.1969.
lunar-landing:19.11.1969 (01h54m1n35sec.PM) lunar orbits(revs): 45
lunar orbit injection:17.11.1969(10h47min23sec.PM).lunar samples:74.7 pds.
EVA 1:19.11.1969 (3 h 56 min). EVA 2: 20.11.1969.(3 h 49 min).
landing-phase: a) splashdown 24.11.1969(03h58min24sec.PM) Pacific .
b) recovery 24.11.1969 Main-recovery-ship "USS Hornet" .

The"Apollo 12-flight"was the secound lunar landing mission. During launch on"Apollo 12"was reached by a flash of lightning however was not damaged. Conrad and Bean,during their 31-1/2 hour stay on the lunar surface,conducted two periods of exploration and set up a more sophis-ticated scientific package(ALSEP 1)than had been deployed during the"Apollo 11"-mission. The lunar module touched down on the"Ocean of Storms" near the unmanned "USA.-Surveyor III"spacecraft,which had been on the moon ca.2-1/2 years.The crew returned several pieces of the "Surveyor III" spacecraft to earth.




Landing-day,recovery control center Norfolk Va.Atlantic + signature from LM-pilot Alan L.Bean+ secound crew pilot astronaut Jack Lousma.

Wasserung. US.-Marine Bergungs Zentrale Atlantik,Norfolk Va.+Cachet
+ Maschin- und Handstempel+U. Pilot Dr.Edward Gibson.

Ed Gibson
Skylab III

NORFOLK VA
AM
8 FEB
1974

10¢ ANDREW JACKSON
UNITED STATES

SKYLAB
THIRD FLIGHT ATLANTIC
NASA
U.S. NAVY
RECOVERY FORCE

NORFOLK
FEB
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AM
1974
VA

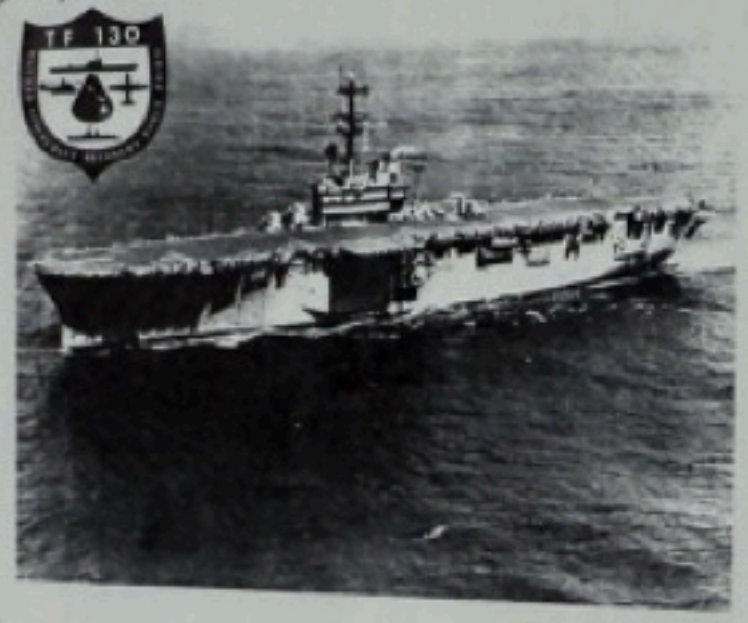
JOHN LAFAYETTE
127 S. 32ND ST
CAMDEN, N.J.
08105

Operation "Skylab"

I

PRIME PICK UP SHIP
LPH-11 NEW ORLEANS
S K Y L A B  1 V

Ed Gibson
Skylab III






HONOLULU, FEB 8, AM 1974 HAWAII

ROBERT BOUDWIN
1119 HARKER AVE.
WOODBURY, N. J. 08096 U.S.A.

Bergungs Zentrale Honolulu Hawaii + Maschin-Stempel+U.Dr.Ed.Gibson.

Operation " K o h o u t e k ".

Die "NASA" stellte 1973 ein Spezial-Programm,zur intensiven Unter - suchnung und Erforschung des "Kometen Kohoutek 1973 f",auf.Mit Spezial Kameras und mit dem"ATM" wurden von den Astronauten des"Skylab 4"-Missionsfluges in den Ausstiegen(EVA) 1-4,Kometen-Beobachtungen durchgeführt.Sogar die Flugbahn und der Start wurden auf diese Beobachtungen,abgestimmt.
An der Operation nahmen noch die Raumflug-Sonden"Marina 10","OAO-3", "OSO-7",sowie Starts von Raketen,Ballone,Flugzeuge mit Radar und m. Teleskopen an Bord,sowie zahlreiche Observatorien,teil.

1.Beobachtung+Fotos"SL-4":23.11.1973

Letzte Beobachtung+Fotos"Skylab 4" 3.2.1974.

Das "Skylab"-Programm wurde mit dem"Skylab-Missionsflug 4"abgeschlossen.

Printed Matter,Inprimé.



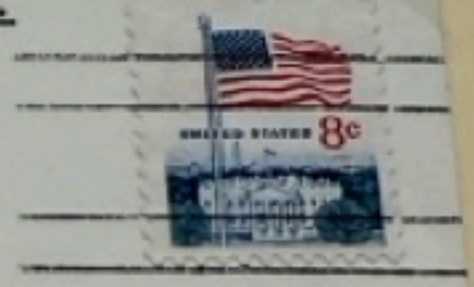
Gerald Carr



William Pogue

-final SKYLAB walk

CAPE CANAVERAL, FL FEB 3 A M 1974 32920




Jerry Carr
Lubos Kohoutek

INTERSPACE COVER









Edward Gibson

Ms.
Johanna Depil
A-1100 Vienna
Austria
Laxenburger-
Straße 31/1/10

Letzter Ausstieg(EVA) der Astronauten G.P.Carr u.Dr.Ed Gibson"Skylab 4" + Unterschriften vom Kmdt.Jerry Carr u.Dr.L.Kohoutek Astronom.

Astronaut: Frank B o r m a n Commander-pilot.
crew: CSM-pilot James A. Lovell and LM-pilot William A. Anders.
missions-flight: "Apollo 8 (AS-503)". launch-day: 21. 12. 1968.
mission-duration: 147 h 0 min 0 sec. earth-orbits: 1.6
lunar-orbits: 10 Lunar lift-off: 21.12.1968.
lunar orbit injection: 24. 12. 1968. transearth-coast: 25.12.68.
First manned moonflight. "Apollo 8" circeled the moon 10 times and transmitted TV pictures.The spacecraft splashed down in the Pacific (27.12.1968) and was recovered by "USS Yorktown ".




"Apollo 8".Firstday-cover with missions-stampblock+Firstday-post-mark+autograph from Commander-pilot Frank Borman.

ASTP 1975 UdSSR Gedenkblock +U.Vance Brand, † U. Donald Slayton.







Recovery force c
Don Slayton

ASTP 1975 UdSSR Gedenkblock +U.Vance Brand, † U. Donald Slayton.







Printed matter, Imprimé.

Mrs. Franziska T e s c h

Leebgasse 100/5/Tür 4

A-1100 V i e n n a

A u s t r i a

Recovery force center Norfolk Va + sign.Vance Brand,Alan Bean, Don Slayton and Jack Lousma, + Beck cachet.

**Astronaut**: Vance D. Brand — Raumschiff Kommandant(Reserve SL-4).
Dr.Don L. Lind — CSM-Pilot Scientist I (Reserve SL-4),
Dr.William E.Lenoir — Pilot Scientist II(Reserve SL-4).
"Skylab R"zusätzliches Rettungs-Raumschiff mit Trägerrakete.Nach den "Roll-out"wäre,durch eine Spezial-Vorbereitung,bei Bedarf ein Start innerhalb von 10 Tagen möglich gewesen.Am 3.12.1973 Beförderung zum Reserveplatz bei d.Startrampe"Pad 39b"(Roll-out)Kennedy Weltraum-Zenter,Florida.Da kein Rettungs-Einsatz notwendig,Rück-Beförderung und Demontage des Rettungs-Raumschiffes am 14.2.1974.Als Rettungs-Raum - schiff wurde AS-209 auch bei der ASTP-Mission in Betracht gezogen,jedoch nicht mehr montiert.




"Skylab" stamp-first day of issue,Cape Canaveral Florida USA.
+ sign.Comd.Bean(Skylab 3) +sign.Lieut.Col.Jack Lousma(Skylab 3).

**Astronaut**: Vance D. Brand — Commander-pilot (support crew SL-4).
Dr.Don L. Lind — CSM pilot scientist I (support crew SL-4).
Dr.William E.Lenoir — " " II (support crew SL-4).
roll-out to"Pad 39b"KSC.Fl.:3.12.1973. launch-day: : no launch.
roll-back to "VAB", KSC.Fl.:14.2.1974.
"Skylab R-(R-rescue)"(AS-209)would have been launched if"Skylab 4"had failed in the orbit(special-readiness to start a 10-days). "AS-209" rescue for the"ASTP 1975"-missions-flight even avialable.

" Apollo 13 (AS-508). A Successful Failure !

By a matchless display of tenacity,resourcefulness,ingenuity and courage,a determined body of men at Mission Control working in close coordination with a colly expert crew had averted catastrophe and brought the astronauts through a brush with death.

An hour and a half before re-entry,the lunar module"LM-Aquarius" "lifeboat" that had been thair salvation was discarded.The mission control radioed,"Farewell Aquarius and we thank you."Lovell´s benediction was:"She was a good ship".Clear of the "LM", in Swigert´s words,Odyssey"came on in"to the most accurate landing in the history of manned space flight.

As an aborted mission,"Apollo 13" must officially be classed as a failure,the first in 22 manned flights. But,in another sense,as a brillant demostration of the human capability under almost unbearable stress,it has to be the most successful failure in the annals of space flight.








Ms.
Juliana F e s s e l m a r
Laxenburgerstr.54-56/2/11
A-1100 Vienna - Austria

First day"Apollo 13" -missions-phasen(lunar orbit injection,splash-down)spec.cover "Hungaria",with signature from pilot Fred W.Haise.

Houston Texas USA,







Mr. Leopold
T e s c h
Leebg.100/5/1/4
A-1100 Vienna
A u s t r i a

Wasserung, Cape Canaveral Florida + U.Komdt.Jerry Carr.

Astronaut: Gerald P. Carr — Commander-pilot.
Dr.Edward (Ed) G. Gibson — spec.-science-pilot.
William (Bill) R. Pogue — pilot.
missions-flight:"Skylab 4"(AS-208). launch-day:16.11.1973(8h1m,am-CST)
flight-duration:2017h17min.(84days 1h17m). docking"Skylab 1"16.11.73.
crew enters to"Skylab 1":17.11.1973. earth-orbits: 1214
EVA 1: 22.11.1973 (6h 33min) EVA 2: 25.12.1973 (7h 01min).
EVA 3: 29.12.1973 (3h 28min) EVA 4: 3. 2.1974 (5h19 min).
Observation and documentation of the newly discovered comet"Kohoutek"
splashdown:8.2.1974(10h18min-CDT). flight-record: 14.1.1974.
recovery:8.2.1974 some 155 miles southwest of San Diego,Pacific,by the aircraft-carrier"USS New Orleans".

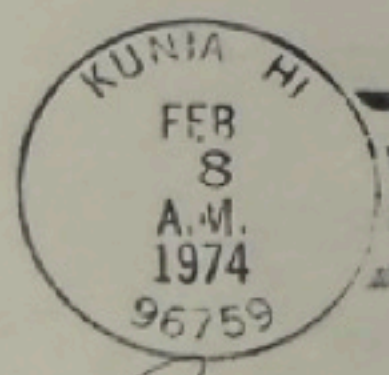
The launch was delayed by technical problems.EVA 1:Pogue and Dr.Gibson changed the films and made photos of the comet"Kohoutek".EVA 2: Carr and Pogue had to observe the comet"Kohoutek" and the changs films on Christmas.EVA 3:Carr and Dr.Gibson again photographed the comet"Ko - houtek".EVA 4:Made by Carr and Dr.Gibson,was to recover the last films of the"ATM" and to have last photos of the comet"Kohoutek"."Skylab 4" retourned later to earth.




Launch-day."USNS Range Sentinel(T-AGM 22) ETR-tracking-ship,Cape Canaveral Florida, + sign.pilot Dr.Edward Gibson.

Splashdown manned spacecraft recovery control force"Pacific TF-130"
Kunia Hawaii + sign. Cmd. Jerry Carr.







Jerry Carr

DON SCHULTZ
2521 N KIRKLAND CT
APPLETON, WI 54911





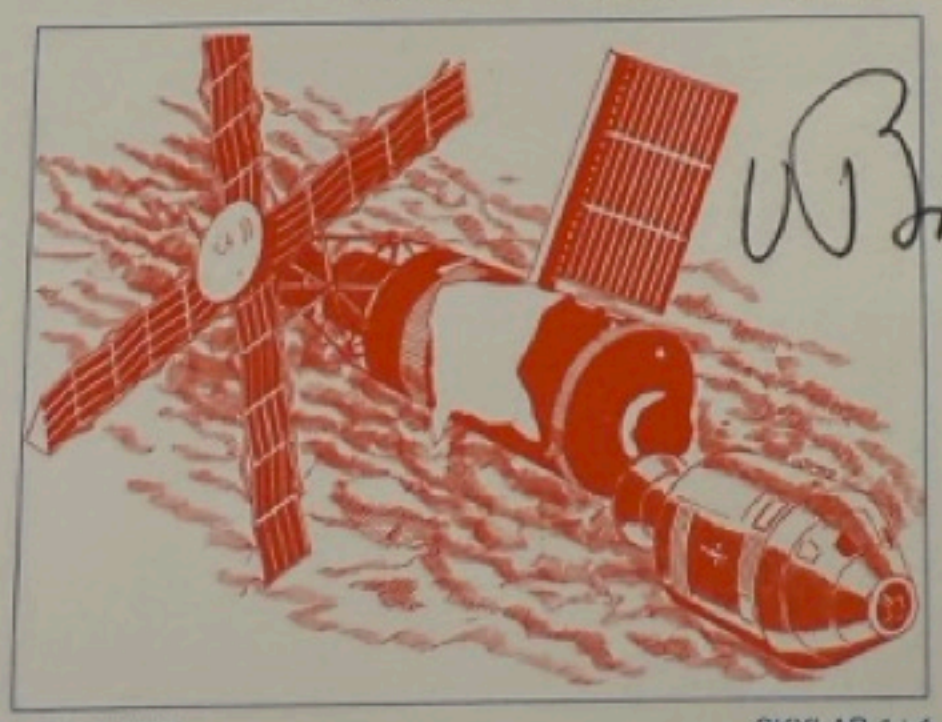












V Brand

UNDOCKING SKYLAB 1+4

H u b l Peter
Schnieglinger-Str,25
D-85-Nürnberg
Germany

AIR MAIL
PAR AVION

Undocking "Skylab 1 + 4",Cape Canaveral Florida USA.
+ sign.Back-up Cmdr.pilot Vance D. Brand.

Astronaut: Gerald P. Carr — Raumschiff-Kommandant.
Dr.Edward G. Gibson — Wissenschaftler-Spezial- Pilot.
William R. Pogue — Pilot.

Missions-Flug:"Skylab 4 (AS-208)" Start-Tag:16.11.1973(8h01m AM- CST).
Flugzeit:2017h17min(84 Tage 1h17min) Koppelung mit"Skylab 1": 16.11.1973.
Umstieg in"Skylab 1": 17.11.1973. Erdumläufe:1214.Flugrekord:14.1. 74.
Haupt-Thema v."Skylab 4":Beobachtung u.Fotos v.Komet"Kohoutek" (1973 f) .
Ausstieg(EVA)1:22.11.1973(6h 33min) Ausstieg(EVA)2:25.12.1973(7h 01min).
Ausstieg(EVA)3:29.12.1973(3h 28min) Ausstieg(EVA)4: 3. 2.1974(5h 19min).
Wasserung:am 8.2.1974 (10h 18 min AM-CDT)im Pazifik.
Bergung:8.2.1974 ca.155 Meilen südwestlich von San Diego,durch den Bergungs-Flugzeugträger"USS New Orleans".

Nach 2-maliger Verschiebung,Start im Kennedy Weltraum-Zenter,Florida.Bei Erreichen der Erdumlaufbahn Ausfall eines Lage-Regelungs-Gyroskops.EVA 1: Auswechslung der"ATM"-Filme,Antennen-Reparatur,und Fotos vom Komet"Kohoutek".(Pogue u.Dr.Gibson).EVA 2:Am Christtag wieder Filmwechsel,Reparaturen und Beobachtung von"Kohoutek"(Carr und Pogue).EVA 3:Flug-Phasen-foto vom Komet"Kohoutek"(Carr und Dr.Gibson).EVA 4: Einholen der letzten Filme und letzte Fotos vom Komet"Kohoutek"(Carr und Dr.Gibson).Danach Rückkehr der Astronauten,bei bester Gesundheit,zur Erde.





LAUNCH SKYLAB 4







Jerry Carr

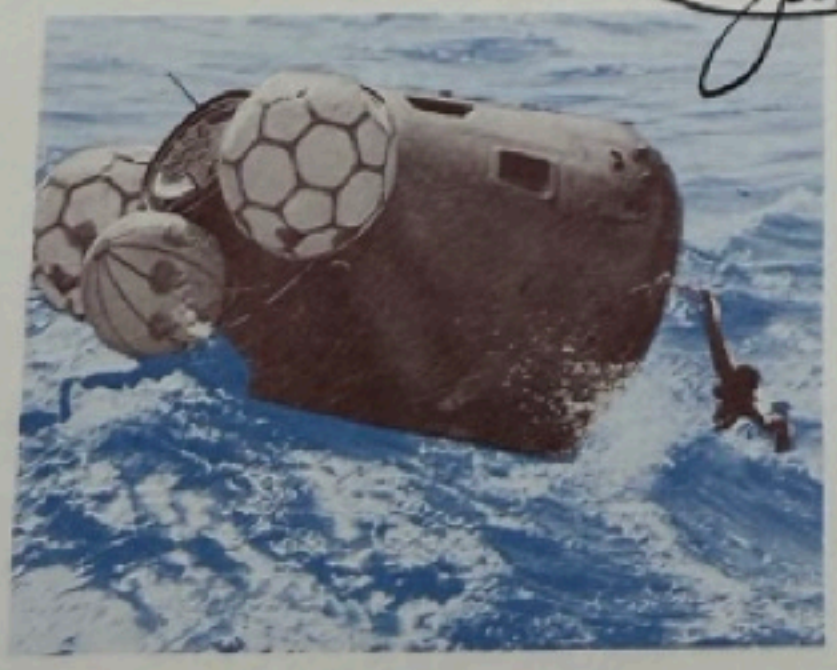
H u b l Peter
Schnieglinger-Str.25
D- 85- Nürnberg
Germany



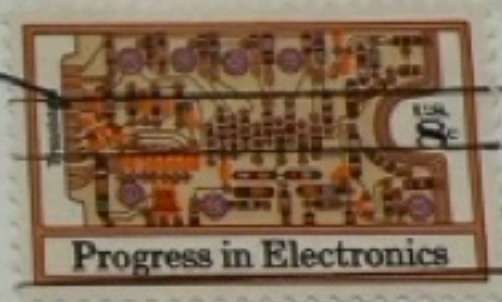

Start-Tag, Cape Canaveral Florida + U.Komdt. Jerry Carr.

Experiments-"Skylab 3".

1) EREP-"Earth Resources Experiments Package,16,000 photographs and 18 miles of magnetic tape documenting our Earth's resources.
2) S 020-X.-ray-UV solar photographic experiment,77,600 frames of film from 6 instruments recording the sun's activities.
3) S 509 experiment;demostrate man's maneuverability in zero gravity while abtraining data of the unit's flying qualities and piloting capabilities(ground-based analysis).
4) S 149 The Skylab particle collection,is mounted an the"RIM" of the "ATM".
5) 330 medical special experiments-programm.
6) Two animal-experiments,cross spider "Arabella and Anita".



CAPE CANAVERAL, FL SEP 25 PM 1973




SKYLAB ASTRONAUTS
SPACE VOYAGE RECORD

Astronauts Alan L. Bean Jack R. Lousma and Dr. Owen K. Garriott landed at 6:20 p.m. EDT in Pacific Ocean, 225 miles southwest of San Diego.

*Skylab SL-3 Flight: 59 Days, 859 Orbits, 24 Million Miles.*

The Apollo CM fell into heavy sea about 6 miles from recovery ship USS New Orleans. The Astronauts returning to Earth after spending almost two months in weightless in the Skylab Space Station.

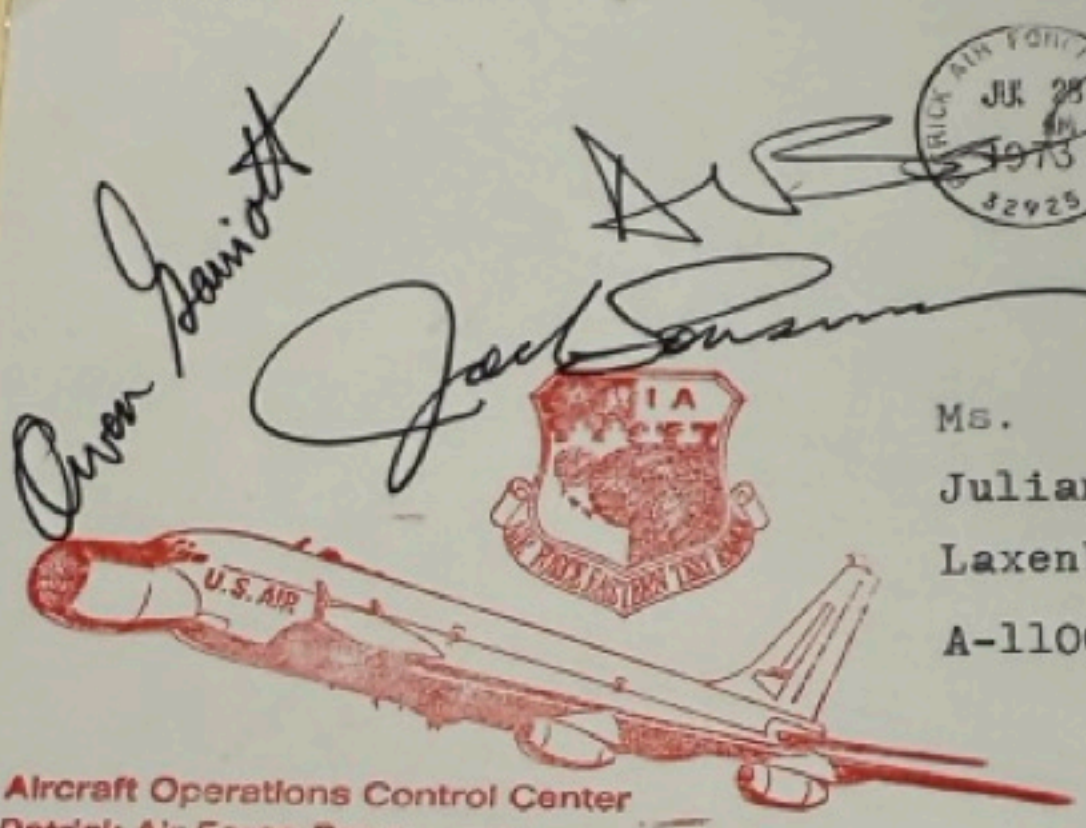
Ms.
Johanna Depil
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Austria

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Inprimé.

Recovery,Cape Canaveral Florida USA, + sign pilot Jack Lousma.

Aircraft operations control center"ARIA" Patrick AFB,Florida,
+sign.Cmdr.Al.Bean,+sign.Dr.Owen Garriott,+sign.Jack Lousma.

Skylab 3 (AS-207) ARIA

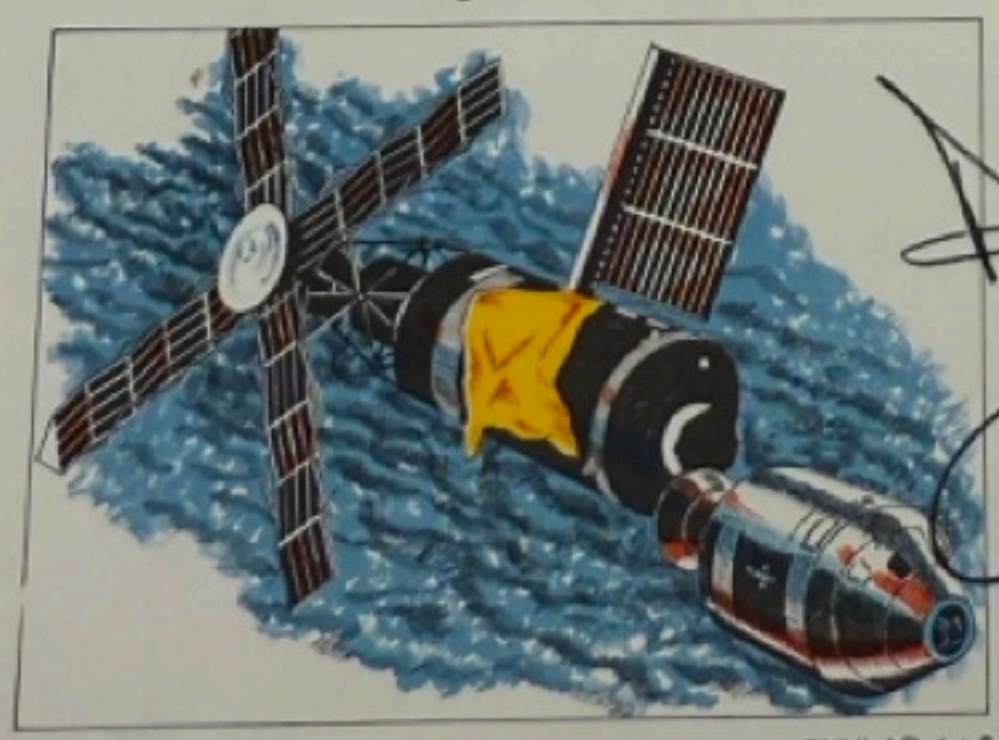



PATRICK AIR FORCE BASE, FLA.
JUL 28
1973
32925




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Printed matter



UNDOCKING

SKYLAB 1+3

KENNEDY SPACE CENTER, FLA.
SEP 25
PM
1973




H u b l Peter
Schnieglinger-Str.2
D-85-Nürnberg 25
Germany

VIA AIR MAIL

Undocking,Skylab 1+3 Kennedy space center Florida,+m.cancel IIIe,
+sign.Cmdr.Al.Bean, +sign.Dr.Owen Garriott, +sign. Jack Lousma.

Ausstieg (EVA) 2 + Flugrekord, Cape Canaveral Florida, USA,
+ Unterschrift v.Pilot Jack Lousma.



Printed matter Inprimé.

CAPE CANAVERAL, FLA. SEP 29 PM 1973 AM 320



SKYLAB SL-3

SECOND SPACE WALK

Astronauts Garriott and Lousma in space walk lasting 4½ hours today.

Astronaut Garriott worked outside the orbiting LAB from 12:24 to 4:55 p.m. EDT.; loaded film in Solar Telescope cameras and installed a new set of Gyroscopes to keep the 85 ton Space Station steady in control.

Ms.
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A-1100 Vienna
Austria
Laxenburger-
straße 31/1/10



SPLASHDOWN

SKYLAB 3

KENNEDY SPACE CENTER, FL SEP 25 PM 1973




AIR MAIL
PAR AVION

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Schnieglinger-Strasse 25
D- 85- Nürnberg
Germany

Wasserung, Kennedy Weltraum Zentrale Florida USA+U.Jack Lousma.

Ernster Raketen-Ausfall an Bord der Kommando Kapsel,+Maschin Stempel IIIe,
+ Unterschrift von Dr. Owen Garriott.

EMERGENCY ABOARD CM




Skylab III

KENNEDY SPACE CENTER, FLA.
AUG 2
PM
1973




Owen Garriott
SPT - Skylab II

Mr. Leopold T e s c h
junior
Leebgasse 100/5/1/4
A-1100 Vienna/Austria



KENNEDY SPACE FLIGHT CTR. NATIONAL
SEP25
AM
1973

35812




Owen Garriott

SKYLAB ASTROS SECOND MISSION
TWO MONTHS IN OUTER SPACE

The Astronauts returning to Earth after spending almost 60 days in orbit.

Immediately the Astros were upon the Carrier's deck, the Space Agency doctors began a medical examination of each. The first bulletin said none of the crew were motion sick and they were in excellent spirits.

Mr.Leopold
Tesch jr.
Leebg.100/5/1/4
Vienna/Austria

Skylab III / Splashdown -Pacific

Landungs-Tag. Marschall AFB. Alabama USA,+U.Dr Owen Garriott.

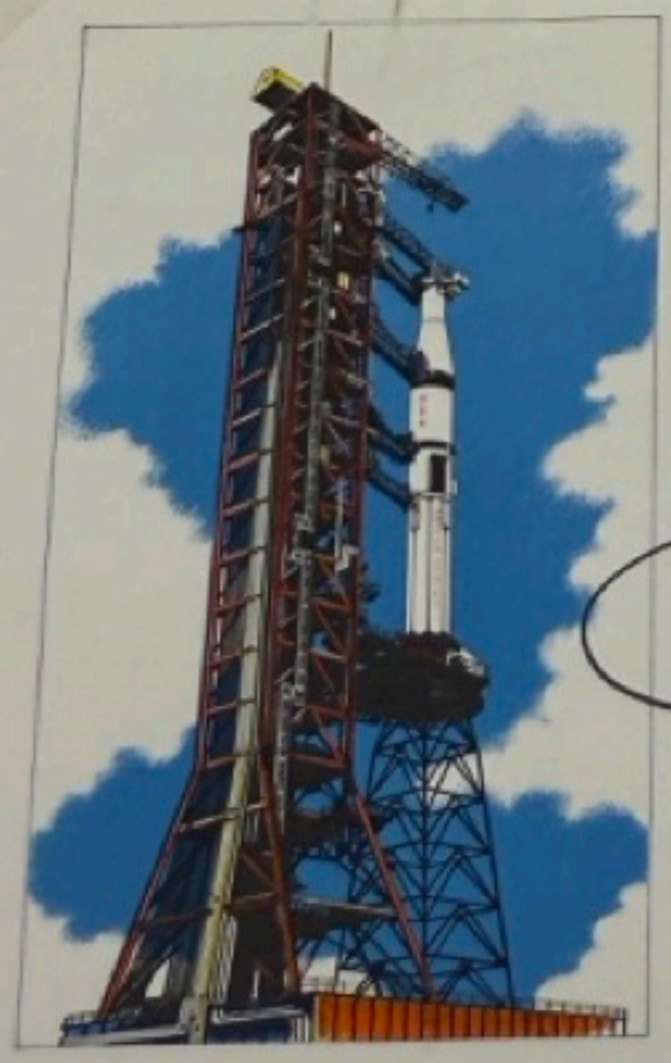
Astronaut: Alan L. Bean — Commander-pilot.
Dr. Owen K. Garriott — Science-special-pilot.
Jack R. Lousma — pilot.

missions-flight:"Skylab 3 (AS-207)". launch-day:28.7.1973 6h 11min am.CDT.
rendezvous+docking with"SL-1":28.7.1973. flight-record: 24.8.1973.
flight-duration:1427h11min.(59d11h9min). earth-orbits: 858
EVA 1: 6.8.1973 (6 h 31 min). EVA 2: 24.8.1973 (4 h 31 min).
EVA 3:22.9.1973 (2 h 45 min).
difficulty during by the missions-flight:defect by 2 control system rockets (28.7.and 2.8.1973)mission endangered.

special experiments :
1) "S052" White light coronagraph.
2) "S054" X-ray spectrographic telescope.
3) "S055" UV-scanning polychromator spectroheliometer.

splashdown and recovery:25.9.1973 225 miles southwest of San Diego,near the aircraft-carrier"USS New Orleans",was the recovery ship in the Pacific ocean

The problems began shortly after launch.Two of the remots control system rockets failed,a rescue mission with "Skylab 4 (SL-4 R) had to be prepared. Pilot Garriott and pilot Lousma arranged a second parasol over the first and changed the ATM-films. Without problems"Skylab 3 (SL-3)"returned to earth.



LAUNCH







H u b l Peter
Schnieglingerstr.25
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Germany




Launch-day."Skylab 3" Cape Canaveral Florida,+slogan cancel"Anniversary first walk on the moon" + sign.pilot Jack Lousma.

EVA 1: Sonnen-Schutzschild-Montage, KSC. Florida + Maschinen-Stempel IIIe, + U.v.Kdt. Al. Bean

SPACE REPAIR WALK










Michael Patton
1703 Lake Chas Dr N
St.Pete, Fla 33709













Ms.

Juliana Fesselmar

Lange Gasse 54/56/2/11

A-1100 Vienna - Austria

SPLASHDOWN

Wasserung im Pazifik-Ozean, KSC.-Florida + Maschin-Stempel III e, + Unterschrift v.Alan Bean.

Astronaut: Alan L. Bean — Raumschiff-Kommandant.
Dr. Owen K. Garriott — Wissenschaftler-Spezial-Pilot.
Jack R. Lousma — Pilot.
Missions-Flug: "Skylab 3 (AS-207)". Start-Tag: 28.7.1973 6h11min a.m. CDT.
Rendezvous+Koppelung mit "SL-1" am: 28.7.1973. Flugrekord: 24.8.1973.
Flugzeit: 1427h 9min (59 Tage 11h 9min). Erd-Umläufe: 858
Ausstieg (EVA) 1: 6.8.1973 (6h 31 min). Ausstieg (EVA) 2: 24.8.1973 (4h 31min).
Ausstieg (EVA) 3: 22.9.1973 (2h 45 min).
Schwierigkeiten während des Missions-Fluges: 2 Steuerraketenbündel fielen aus (28.7. und 2.8.1973), die ganze Mission fast in Gefahr.
Spezial Experimente: 1) "S052" Weißlicht Coronagraph.-Gerät.
2) "S054" X-Ray spektrographisches Teleskop.
3) "S055" UV-Scanning Polychromator Spektroheliometer.




Kennedy Weltraum Zentrale Florida, Start v. Rampe 39b, +Maschin Stempel IIIe, +U. Komdt. Al. Bean, +U. Dr. Owen Garriott, +U. Jack Lousma.

Wasserung u. Bergung: 25.9.1973 225 Meilen südwestlich von San Diego, in der Nähe vom Bergungs-Flugzeugträger "USS New Orleans", der auch die Bergung am gleichen Tag durchführte.

Kurz nach dem Start einige Schwierigkeiten. Die sofort anlaufenden Vorbereitungen zur Rückholung (mit "Skylab 4" als Rettungs-Mission) waren überflüssig. Bei den Ausstiegen (EVA 1-3) wurden u.a. ATM-Filme mehrmals ausgewechselt, ein zweites Sonnen-Schutzschild aufgespannt und eine neue Kreiselplattform montiert. Ohne weiteren Schwierigkeiten kehrte "Skylab 3" nach 2 Monaten Flugzeit, wieder zur Erde zurück.

NASA STDN -Station Quito Ecuador,mit Stations- u.Missions-Cachet,+ Unterschrift vom STS-2 Pilot R.Truly u.Stationsdirektor Berndt.

M. M. BERNDT
NASA - QUITO
APO MIAMI FLA
34039

QUITO – STDN
NASA
STATION DIRECTOR

SPACE SHUTTLE

Printed matter
Mr. Anna
Knöll
A-1100 Vienna

ADVANCED RANGE
USNS GEN. HOY
CAPT. R.
USNS VA
F.P.O.
MIAMI, F

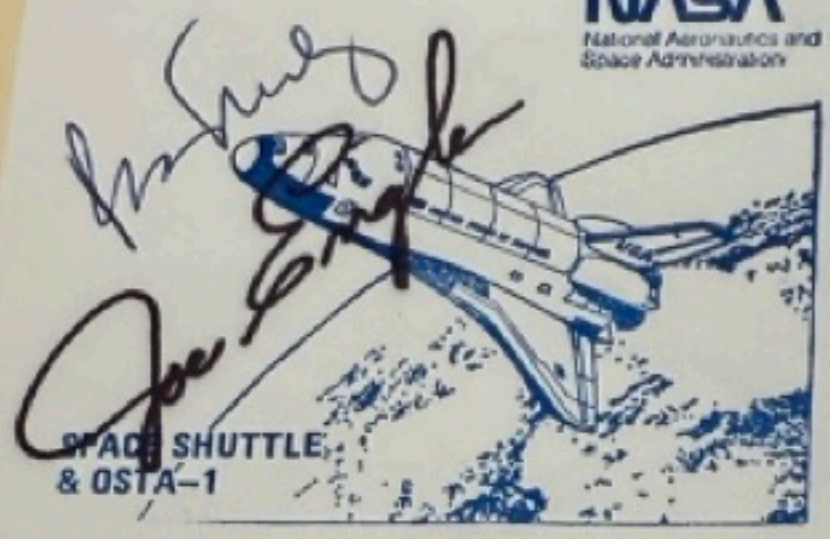
SEGUNDO
PRIMER TR

STDN-Station der Universität Santiago-Chile, General
und Unterschrift vom STS-2 Cmdr.J.Engle USA

STDN-Station der Universität Santiago-Chile, Cachet+ 1.Funkkontaktstempel und Unterschrift vom STS-2 Cmdr.J.Engle und Pilot Richard Truly.

NASA/STDN ESTACION SANTIAGO, CHILE
PROGRAMA ESPACIAL CONJUNTO
NASA Y UNIVERSIDAD DE CHILE

NASA
National Aeronautics and Space Administration




SEGUNDO VUELO ORBITAL DE PRUEBA
PRIMER TRANSPORTE DE INSTRUMENTOS CIENTIFICOS

«COLUMBIA» J. H. ENGLE / R. H. TRULY
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CENTRO ESPACIAL KENNEDY (ESC)
SANTIAGO PRIMER AOS/23:20:03 LT

SANTIAGO-1 RECEPCION 12NOV81 14 CORREOS-CHILE



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Mr. Peter Zellner junior,
Knöllgasse 74/4/37
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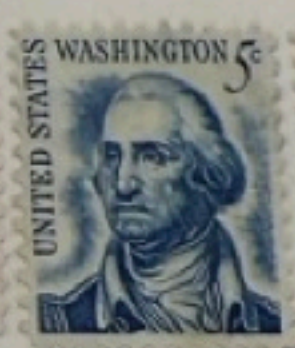
CAPT. R. W. BROOM
USNS VANDENBERG (T-AGM 10)
F.P.O.
MIAMI, FL 34093

CAPE CANAVERAL NOV 12 AM 1981













ADVANCED RANGE INSTRUMENTATION SHIP (ARIS)
USNS GEN. HOYT S. VANDENBERG
(T-AGM 10)

Vandenberg Posn.
For STS-2 Support
Lat. 29-21 N.
Long. 078-00 W.

Printed matter, Inprimé, Air-Mail.

Mrs. Elke Z e l l n e r
Knöllgasse 74/ 4/ 37
A-1100 Vienna - Austria

Funksuch-Schiff(ARIS)USNS"Vandenberg" mit Cachet, Standortstempel u.Unterschrift vom STS-2 Cmdr.J.Engle, Pilot R.Truly und Kapitän Broom.

Kennedy Weltraum Zenter Florida+NASA spez.Maschinstempel + U. Charles Duke.



APOLLO 16 LAUNCH

KENNEDY SPACE CENTER, FL APR 16 P M 1972




Printed matter, Inprimé

Mr.
Ernst Stoklasa junior
Leebgasse 100/5/Pat/3
A-1100 Vienna-Austria

"Apollo 16 launch"

Honeysuckle Creek Tracking Station
APOLLO 16
YOUNG • MATTINGLY • DUKE
Australian Capital Territory

DONALD GRAY
STATION DIRECTOR




Printed matter.

Mr. Tesch Leopold
Leebgasse 100/5/1/4
A-1100 Wien / Austria

NASA Tracking Station Honeysuckle Creek Australien+Cachet+U.Ch.Duke.

Ungarn Gedenkblock+Ersttagstempel+Unterschrift Ken Mattingly.




Mit „Apollo“ XVI.
zum Mond



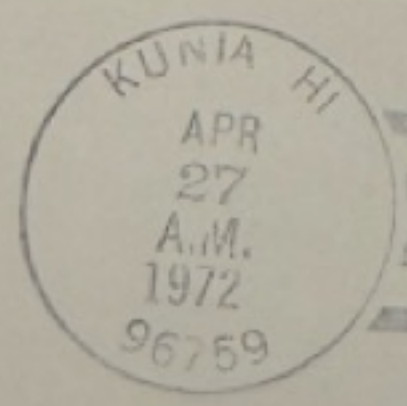

Kombi-Kuvert:Landungstag "USPO N.York"+BSV Donau-Werbeschau+23.Int.Astronautical Kongress Wien+U.Ken Mattingly.

"A p o l l o 16" moon-flight-problems.

The change in schedule was made in deference to a potentially faulty thrust vector control system on the service propulsion engine-the rocket needed for the trip back home.The spacecraft had undocked in lunar orbit,and Mattingly prepared for a maneuver that would raise the command-service module to a 70 -mile circular orbit.

Because he experienced oscillations in the engine as he checked it out,Mattingly called off the burn.While he worked alone in the command module "Casper",Young and Duke lent moral support in the separated lunar module"Orion".The "go" for landing came almost 6 hours late,but the touchdown on the dusty,block-strewn Descartes was perfect.

US.-Space-Flight
Apollo 16













Printed matter, Inprimée

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Postfach 81 0105
D-7000 Stuttgart 81
West Germany

Manned spacecraft recovery force center Pacific,Kunia Hawaii
+ Cachet+ U.sign.Charles Duke.

Bergungs-Kontr.Zenter Atlantik Norfolk Va.+NASA Cachet + U.Ken Mattingly.

NORFOLK VA PM 27 APR 1972







Printed matter.
Tesch Leopold
Leebg.100/5/1/4
A-1100 Wien/Austria

Ken Mattingly

MASTER
USNS REDSTONE (T-AGM 20)
c/o FLEET POST OFFICE
NEW YORK, N.Y. 09501

CAPE CANAVERAL, FL APR 18 AM 1972 32920







Ken Mattingly

Mr.

Tesch Leopold junior
Leebgasse 100/5/1/4

A-1100 Vienna/Austria

Beobachtungs-Schiff"USNS Redstone"C.C.Fl.+NASA-Cachet+U.Ken Mattingly.

NASA.-MSFN-Station Waimea Kauai,Hawaii+Cachet+U.Charles Duke jun.

NASA MSFN STATION
P. O. Box 538
Waimea, Kauai, Hawaii
96796

"Apollo 16 prim-contact."

Charlie Duke

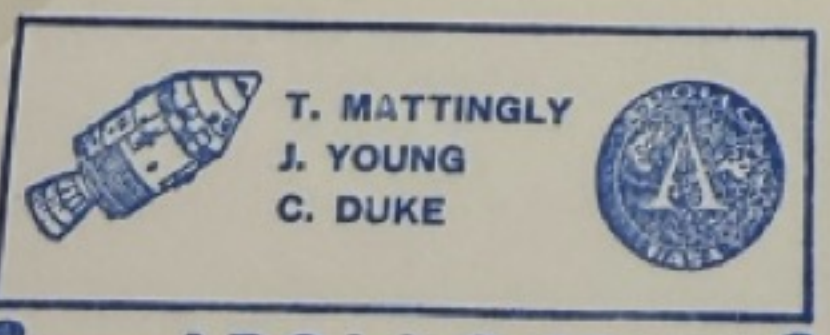
WAIMEA
APR 16 AM 1972
96796







Mr. Tesch Leopold
Leebgasse 100/5/1/4
A-1100 Wien / Austria




APOLLO 16

WILHELM - FOERSTER - STERNWARTE

TRACKING STATION BERLIN

"Apollo 16"

Wilhelm-Foerster-Sternwarte BERLIN



APOLLO 16 START / LAUNCH

Charlie Duke

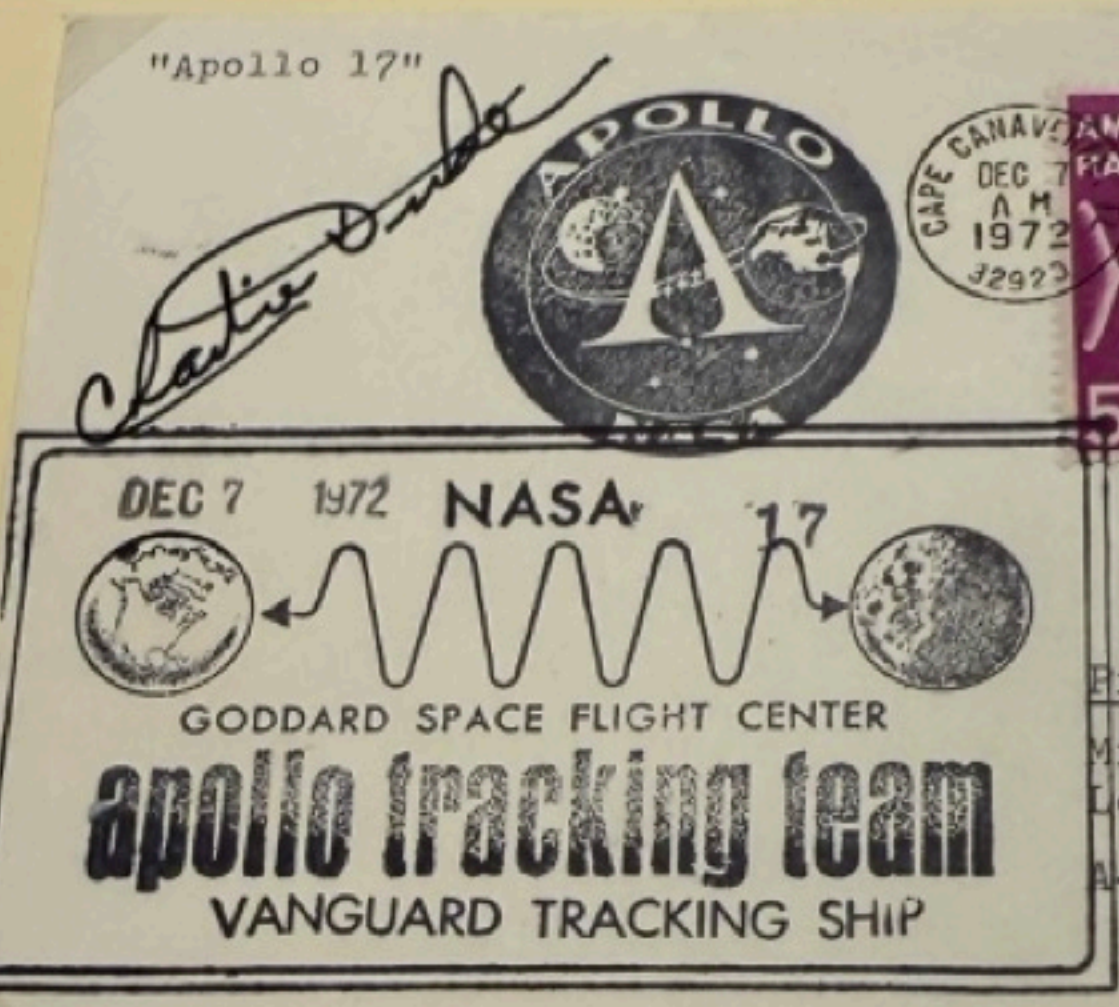



Herrn
Wilfried Koch
D-5123 MERKSTEIN 1
Postfach 209

Wilhelm Foerster Sternwarte Berlin BRD.(Start-Tag)+ U.Ch.Duke.

"Goddard Apollo tracking team"of the"UNSNS Vanguard trackg-chip"+ 2 cachets + with sign.Back-up-pilot Charles M.Duke ("Apollo 17").

"Apollo 17"









Printed matter.

Mr. Leopold Tesch
Leebgasse 100/5/1/4
A-1100 Wien/Austria










" Apollo 17"

Printed matter.

Ms.Hannerl Depil
Laxenburgerstr.31/1/10
A-1100 Wien/ Austria

"Apollo 17".US.-NAVY recovery force"Atlantic"Norfolk Va,+spec.cachet + with sign.Support crew commander Alan B. Shepard junior.

Missions-flug: "Skylab 1 ( AS-513) unbemannte Weltraum-Station.
Start-Tag: 14.5.1973 (12h30min PM-CDT). Flugzeit: 6 Jahre 27 Tage.
Flugbahn-Länge: ca. 1,42 Milliarden km Flughöhe: 434 km.
Erdumläufe: 34.981 Rücksturz z.Erde: 11.7.1979.

Eine 2-stufige"Saturn 5"-Trägerrakete brachte die 77 to schwere unbemannte Raumstation in die Erdumlaufbahn.Beschädigung des Weltraum-Labor und damit Start-Verschiebung von"Skylab 2".Nach Koppelung von"Skylab 2,3 u.4" wurde die Raumstation von den "SL-4"Astronauten abgeschaltet und flog"tot" um die Erde.Eintritt in die Erd-Athmosphere resp.verglüht und Absturz Richtung Erde am 11.7.1979 (ca.17.30 MEZ).Aufprall d. großen nichtverglühten Raumstations-Teile erfolgte in einem großen Gebiet Westaustralien(Ca. 500.000 $km^2$) in der Nähe der Stadt Kalgoorlie.




INTERSPACE
COVER

Printed matter, Inprimé

Ms.

Juliana Fesselmar

A-1100 Vienna

Austria

Laxenburgerstr.54/2/11

Erster Start von"Skylab" zur Weltraumstation,CC-Fl+U Ch.Conrad jun.

missions-flight: "Skylab 1" ( AS-513). unmanned Saturn " Workshop ".
launch-day: 14.5.1973 (12h30min pm CST) trajectory:1,42 milliards km.
flight-duration: 6 years 27 days flight-altidude: 434 km.
earth orbits: 34.981 relapse into earth:11.7.1979.

Launch of the unmanned "Workshop" by a "Saturn 5"-launch vehicle into earth orbit. During launch the station was damaged and the"Skylab 2 " launch had to postponed.The "Skylab 1-Workshop" was switched off by the "Skylab 4"-crew and circles now the earth in a not-opertional status."Skylab 1" reenter in the earth atmosphere(cease glowing,precipitation) 11.7.1979 the wreckage bounded in the great terrein western-Australia's(500.000 $km^2$)in the near by the town Kalgoorliy.

NASA-STDN STATION
P. O. Box 538
Waimea, Kauai, Hawaii
96796

Skylab II

Virgil True
VIRGIL TRUE
Station Director

Paul Weitz




Printed matter.

Mr. Leopold Tesch
Leebgasse 100/5/1/4

A-1100 Wien/Austria.

"The unmanned Saturn Workshop was launched at KSC.-Florida",NASA - STDN-Station Waimea,Hawaii,+sign.P.Weitz,+sign.st.dir.Virgil True.

Astronaut: Charles Conrad junior — Raumschiff-Kommandant.
Dr.Joseph P. Kerwin — Medizin-Experte-Pilot.
Paul J. Weitz — Pilot.
Missions-Flug: "Skylab 2 (AS-206)". Flugzeit:672h49min(28 Tage 49 min).
Start-Tag: 25.5.1973. Erdumläufe: 405
Rendezvous u.Koppelung:25.5.1973 mit d.Weltraum-Station"Skylab 1(AS-513)"
Ausstieg(EVA)1:25.5.1973 Weitz(1h15min).Ausstieg(EVA)2: 7.6.1973 Conrad
Ausstieg(EVA)3:19.6.1973 Conrad und Weitz(1h 36 min). und Dr.Kerwin.
Flug-Rekord von "Sojus 11"(UdSSR) gebrochen am:18.6.1973.
Wasserung:22.6.1973 ca.830 Meilen südwestlich v.San Diego(Ca)im Pazifik.
Bergung:22.6.1973 vom Bergungs-Schiff,Flugzeugträger"USS Ticonderoga" .

Die erste Besatzung der Raumstation"Skylab 1".In der Luke stehend (EVA 1) versuchte Weitz 15 min lang vergeblich,den verklemmten Sonnenzellenflügel-Teil von der Raumstation SL-1 zu lösen.Nach dem Ankoppn stiegen die Astronauten am nächsten Tag in die Raumstation und nahmen sie in Betrieb. Bei "EVA 2" wurde der eingeklemmte Sonnenzellenflügel-Teil gelöst und damit das weitere "Skylab-Programm" ermöglicht.Es wurden u.a.16 medizinische Experimente durchgeführt.Von Conrad und Weitz wurden bei"EVA 3"mehrere Reparaturen durchgeführt und die ATM-Filme ausgewechselt.




Start von der Startrampe 39b des Kennedy Weltraum-Raketen Zenter
+ Machin-Stempel IIIe,+ U.Dr.Joe Kerwin.


Skylab
MAGYAR POSTA
10 Ft
1973
CHARLES CONRAD · JOSEPH KERWIN · PAUL WEITZ
ALAN BEAN · OWEN GARRIOTT · JACK LOUSMA

"Skylab"Gedenkblock Hungaria,+U.Pilot Paul Weitz(Skylab 2").




Koppelung"Skylab 1 mit 2",Cape Canaveral Florida+U.Paul Weitz.

Astronaut: Charles Conrad junior — Raumschiff-Kommandant.
Dr. Joseph P. Kerwin — Medizin-Experte-Pilot.
Paul J. Weitz — Pilot.
Missions-Flug: "Skylab 2 (AS-206)". Flugzeit: 672h49min (28 Tage 49 min.).
Start-Tag: 25.5.1973. Erd-Umläufe: 405
Rendezvous u. Koppelung: 25.5.1973 mit d. Weltraum-Station "Skylab 1" (AS-513).
Ausstieg (EVA) 1: 25.5.1973 Weitz (1h15min). Ausstieg (EVA) 2: 7.6.1973 Conrad und Dr. Kerwin.
Ausstieg (EVA) 3: 19.6.1973 Conrad und Weitz (1h 36min).
Flug-Rekord von "Sojus 11" (UdSSR) gebrochen am: 18.6.1973.
Wasserung: 22.6.1973 ca. 830 Meilen südwestlich v. San Diego (Ca) im Pazifik.
Bergung: 22.6.1973 vom Bergungs-Schiff, Flugzeugträger "USS Ticonderoga".




Bergungs-Zentrale Atlantik Norfolk Vandenberg USA. + US Navy Recovery Force Cachet + U. Commander Charles Conrad.

Die erste Besatzung der Raumstation "Skylab 1". In der Luke stehend ( EVA 1) versuchte Weitz 15 min lang vergeblich, den verklemmten Sonnenzellenflügelteil von der Raumstation SL-1 zu lösen. Nach dem Ankoppeln stiegen d. Astronauten am nächsten Tag in die Raumstation und nahmen sie in Betrieb. Bei "EVA 2" wurde der eingeklemmte Sonnenzellenflügelteil gelöst und damit das weitere "Skylab-Programm" ermöglicht. Es wurden u.a. 16 medizinische Experimente durchgeführt. Von Conrad und Weitz wurden bei "EVA 3" mehrere Reparaturen durchgeführt und die ATM-Filme ausgewechselt.

Flugrekord von UdSSR"Sojuz 11"gebrochen,Cape Vanaveral Florida,
+ U.Dr.Joe Kerwin und U.Paul Weitz.







NASA Bergungs-Zentrale Atlantik Norfolk Va, +U.Dr.Joe Kerwin

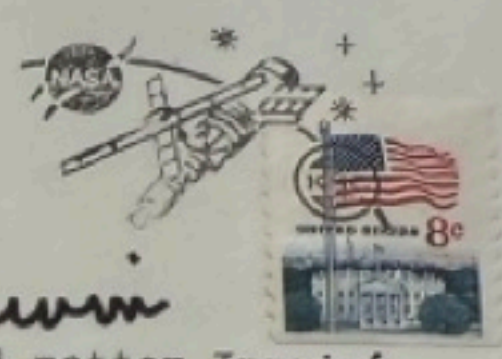
"ERTS"Sonnen-Spezial-Messungen,KSC.Florida +U.Dr.Joe Kerwin.

SOLAR ERTS EXPERIMENTS










Joe Kerwin

Printed matter,Inprimé.

Ms. Johanna D e p i l

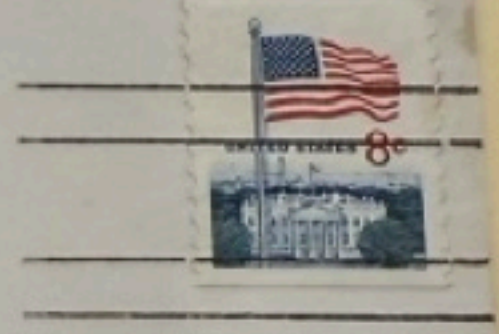
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Laxenburgerstr.31/1/10

SKYLAB SPACE WALK






Joe Kerwin

ASTRONAUTS KERWIN AND CONRAD LEAVE SPACESHIP TO TRY TO REPAIR STUCK SOLAR DEVICE.

Paul Weitz

C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050

EVA 2:Sonnenzellenflügel-Loslösung,Cape Canaveral Florida,
+ U.Dr.Joe Kerwin, + U.Paul Weitz.

Abkoppelung von"Skylab 2",Cape Canaveral Florida+U.Paul Weitz.







Wasserung im Pazifik-Ozean, KSC.Florida + Maschin-Stempel III e,
+ Unterschrift Al Bean.

Astronaut: Charles Conrad junior Commander-pilot.
Dr. Joseph P. Kerwin Medical-expert -pilot.
Paul J. Weitz pilot.
missions-flight: "Skylab 2 (AS-206)". flight-duration: 672h49min(28d 49min).
launch-day: 25.5.1973. earth-orbits: 405
rendezvous and docking: 25.5.1973 with the unmanned Workshop "Skylab 1 ".
EVA 1: 22.5.1973 Weitz (1 h 15 min). EVA 2: 7.6.1973 Conrad and Dr.Kerwin .
EVA 3: 19.6.1973 Conrad and Weitz (1 h 36 min).
flight-record: from the "Sojuz 11" (UdSSR) break the record,(18.6.1973).
splashdown: 22.6.1973 some 830 miles southwest of San Diego (Ca) Pacific .
recovery: 22.6.1973 by recovery-ship aircraft-carrier "USS Ticonderoga".

First crew of the space station"Skylab 1".Weitz could not deploy the "OWS" solar array during a stand-up EVA of 15 min.After docking and a rest period,the astronauts entered the station on next day. During "EVA 2" Conrad and Kerwin repaired the solar"OWS" array and saved the"Skylab(SL)-program" All 16 medical experimente were conducted,and the time history of man's adaptation to g was obtained for the first time.Conrad and Weitz changed the ATM-filme and made repaire during the"EVA 3".Data were obtained on five student investigations,with two others rescheduled for the secound visit.

USNS REDSTONE (T-AGM20)
c/o Fleet Post Office
New York, N.Y. 09501

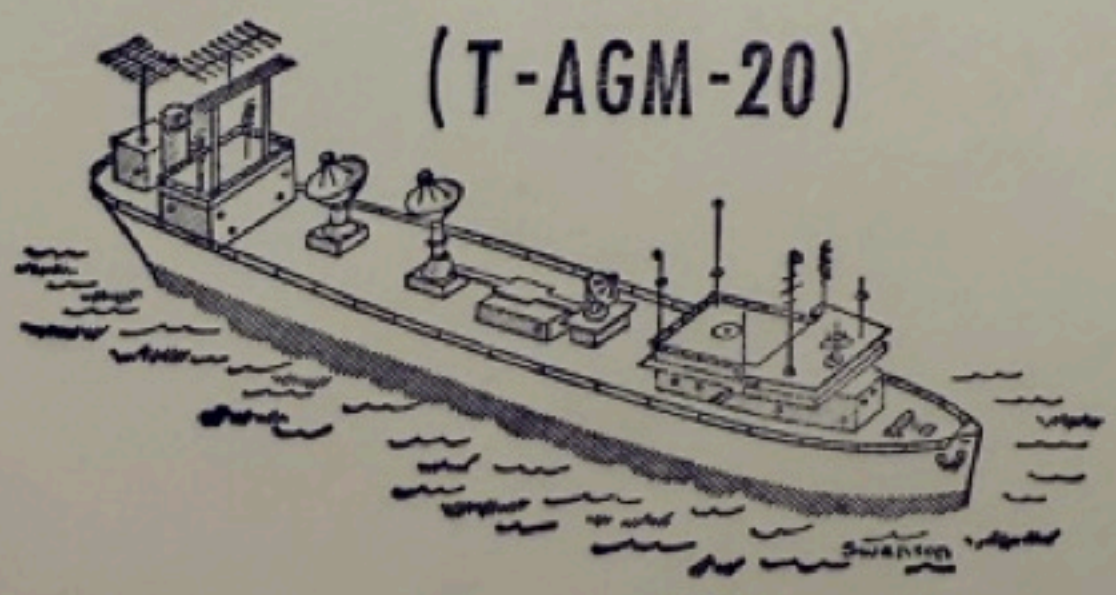
Skylab II

Paul Weitz

CAPE CANAVERAL, FL
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1973
32920

8c
U.S.Postage

USNS REDSTONE
(T-AGM-20)

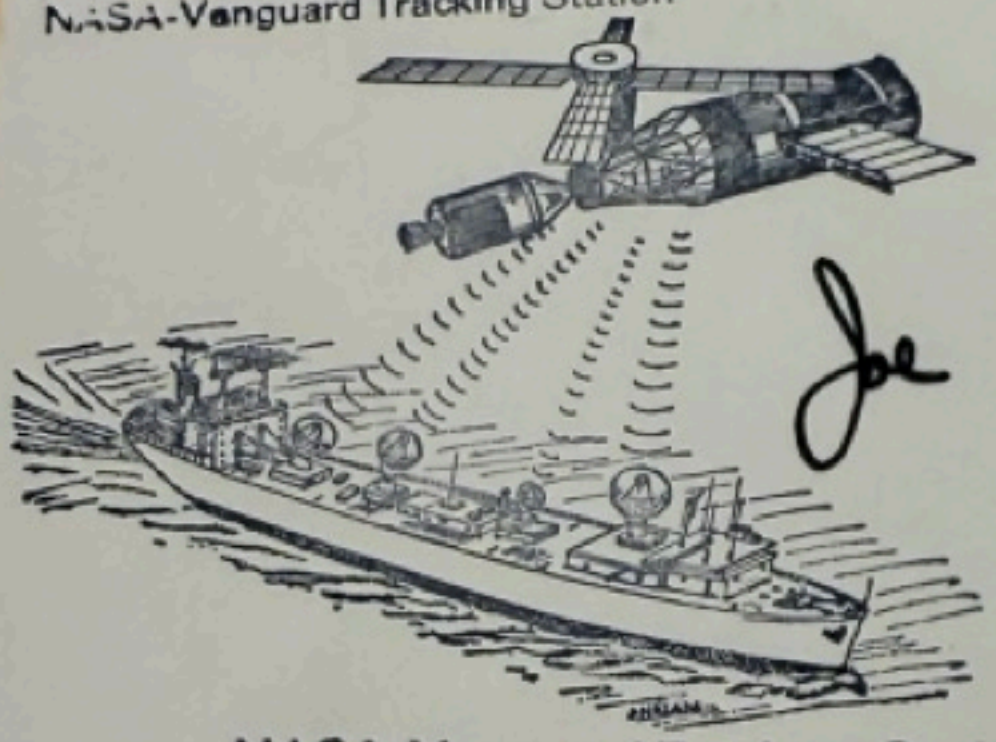


Mr. Tesch Leopold junior
Leebgasse 100/5/1/4
A-1100 Vienna / Austria

"USNS Redstone"(ship tracking station) CC.-Florida+sign Paul Weitz.

"USNS Vanguard"(Schiffs-Tracking Station)CC.Fl.+U.Dr.Joe Kerwin.

O. W. THIELE
Station Director
NASA-Vanguard Tracking Station



NASA-Vanguard Tracking Station

CAPE CANAVERAL, FL JUN 22 AM 1973 32920

U.S.Postage 8c

Joe Kerwin

Mr. Leopold Tesch junior
Leebgasse 100/5/1/4
A-1100 Vienna - Austria

Printed matter, Imprimé.

Joe Kerwin
Paul Weitz

USS TICONDEROGA (CVS-14) JUN 22 AM 1973



Ms.
Johanna D e p i l
A-1100 Vienna - Austria
Laxenburgerstr. 31/1/10

Hauptbergungs-Schiff"USS Ticonderoga"+NASA Cachet d.Landung,
+ U.Dr.Joe Kerwin und U.Paul Weitz.

"Skylab"Gedenkblock Ungarn+Ersttagstempel+U.Kmdt.Ch.Conrad junior.




Abkoppelung u.Rückflug zur Erde,KSC.-Florida,+Maschin-Stempel IIIe,
+ Unterschrift Komdt.Charles Conrad.

# Biographical Data

**Lyndon B. Johnson Space Center**
*Houston, Texas 77058*

NAME: Ronald E. McNair (PhD)
NASA Astronaut

BIRTHPLACE AND DATE: Born October 21, 1950, in Lake City, South Carolina. His mother, Mrs. Pearl M. McNair, resides in Lake City, South Carolina; his father, Mr. Carl C. McNair, is a resident of New York City, New York.

PHYSICAL DESCRIPTION: Black hair; brown eyes; height: 5 feet 8 inches; weight: 158 pounds.

EDUCATION: Graduated from Carver High School, Lake City, South Carolina, in 1967; received a bachelor of science degree in Physics from North Carolina A&T State University in 1971 and a doctor of philosophy in Physics from Massachusetts Institute of Technology in 1976; presented an honorary doctorate of Laws from North Carolina A&T State University in 1978.

MARITAL STATUS: Married to the former Cheryl Moore of Jamaica, New York. Her parents, Mr. and Mrs. Harold Moore, reside in Cherry Hill, New Jersey.

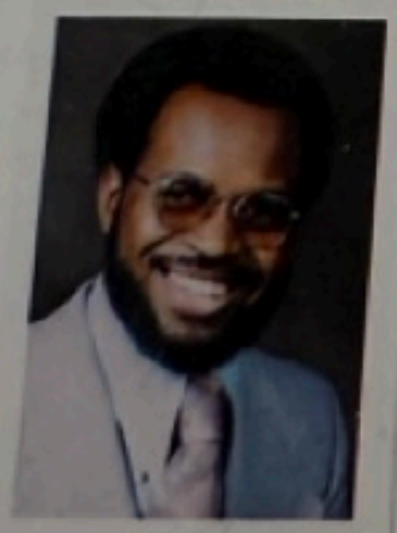
RECREATIONAL INTERESTS: He enjoys playing jazz saxophone, teaching karate, running, bowling, boxing, fishing, skiing, football, and cooking.

ORGANIZATIONS: Member of the American Association for the Advancement of Science, the Los Angeles Council of Black Professional Engineers (LACBPE), and Omega Psi Phi.

SPECIAL HONORS: Graduated magna cum laude from North Carolina A&T (1971); named a Presidential Scholar (1967-1971), a Ford Foundation Fellow (1971-1974), a National Fellowship Fund Fellow (1974-1975), a NATO Fellow (1975); winner of Omega Psi Phi's Scholar of the Year Award (1975) and Achievement Award (1979); presented Our Author's Study Club Achievement Award (1978), the Santa Monica G[illegible] Achievement Award (1978), the LACBPE Outstanding Achievement Award (1978) a[illegible] winner o[illegible] ipient of t[illegible] t Award (

PERIEN[illegible] med some o[illegible] rs. His l[illegible] e $CO_2$ l[illegible] plications f[illegible]

I[illegible] field at E[illegible] shed s[illegible] as given n[illegible]



McNAIR

Dr.(PhD) Ronald E. McNair 21.10.1950
NASA Astronaut seit Januar 1978
Missions-Spezialist

Weltraumflüge:

Tag/Briefe/Aerogramme/von Eingang

Clayton Donald G.T. 1.3.1924




Loren J. Shriver

Slayton Donald G.T. 1.3.1924

Best wishes to
Anna
D. SLAYTON

ASTRONAUT DONALD K. SLAYTON

Stafford Thomas GT. 17.9.1930




ASTRONAUT THOMAS P. STAFFORD

Stafford Thomas GT. 17.9.1930 2 M 3/



# Biographical Data

Lyndon B. Johnson Space Center




ASTRONAUT THOMAS P. STAFFORD

# Biographical Data

National Aeronautics and Space Administration

Lyndon B. Johnson Space Center




**Robert L. Stewart**




Norman E. Thagard




ASTRONAUT RICHARD H. TRULY

National Aeronautics and Space Administration

Rear Admiral Richard H. Truly was named NASA Associate Administrator for Space Flight on 20 February 1986.








ASTRONAUT RICHARD H. TRULY

Walker David G.T. 20.5.1944 18

Walker David G.T. 20.5.1944 1 81



Weitz Paul GT. 25.7. 1937 5



Worden Alfred 7.2.1932. GT. 151 1100

5971 - 5975+76



Worden Alfred 7.2.1932 GT. / 5 /




ASTRONAUT ALFRED M. WORDEN

# Biographical Data

**Lyndon B. Johnson Space Center**

DECEASED

VIRGIL I. (GUS) GRISSOM, Lieutenant Colonel, USAF, died in Apollo spacecraft fire at Kennedy Space Center, Jan. 27, 1967.

ELLIOT M. SEE, JR., died in a T-38 jet crash Feb. 28, 1966, Lambert Municipal Airport, St. Louis.

EDWARD H. WHITE, II, Lieutenant Colonel, USAF, died in Apollo spacecraft fire at Kennedy Space Center Jan. 27, 1967.

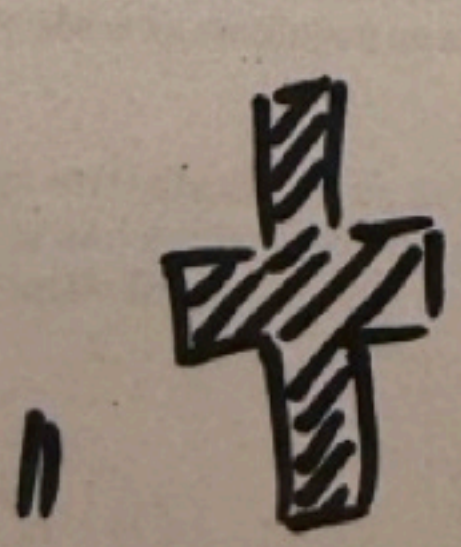
CHARLES A BASSETT II, Major, USAF, died in T-38 jet crash with Elliot See, Feb. 28, 1966, at St. Louis.

ROGER B. CHAFFEE, Lieutenant Commander, USN, died in Apollo spacecraft fire, Kennedy Space Center, Jan. 27, 1967.

THEODORE C. FREEMAN, Captain, USAF, died in T-38 crash Ellington AFB, Houston, Oct. 31, 1964.

CLIFTON C. WILLIAMS, JR., Major USMC, died in T-38 crash near Tallahassee, FL., Oct. 5, 1967.

EDWARD G. GIVENS, JR., Major, USAF, died in an automobile accident near Houston, June 6, 1967.



# *Biographical Data*

**Lyndon B. Johnson Space Center**
*Houston, Texas 77058*

NASA
National
Space Ad

**NAME:** Kathryn C. Thornton (PhD)
Astronaut Candidate (Mission Specialist)

**BIRTHPLACE AND DATE:** Born August 17, 1952, in Montgomery, Alabama. Her father, Mr. William C. Cordell, resides in Hope Hull, Alabama. Her mother, Mrs. Elsie Cordell, is deceased.

**PHYSICAL DESCRIPTION:** Brown hair; green eyes; height: 5 feet 4 inches; weight: 115 pounds.

**EDUCATION:** Graduated from Sidney Lanier High School, Montgomery, Alabama, in 1970; received a bachelor of science degree in Physics from Auburn University in 1974, a master of science degree in Physics from the University of Virginia in 1977, and a doctorate of philosophy in Physics from the University of Virginia in 1979.

**MARITAL STATUS:** Married to Stephen T. Thornton, Ph.D., of Oak Ridge, Tennessee. His mother, Mrs. Helen Lee Gardner resides in Knoxville, Tennessee. His father, Mr. Barton Brown Thornton, is deceased.

**CHILDREN:** Stepsons: Kenneth, September 26, 1963; Michael, September 10, 1965;
Daughter: Carol Elizabeth, March 16, 1982.

**RECREATIONAL INTERESTS:** She enjoys scuba diving, skiing, and white water canoeing.

**ORGANIZATIONS:** Member of the American Physical Society, American Association for the Advancement of Science, Sigma Xi, Phi Kappa Phi, and Sigma Pi Sigma.

**EXPERIENCE:** Dr. Thornton graduated from Auburn University with a B.S. in physics in 1974. While in graduate school at the University of Virginia, she participated in nuclear physics research programs at Oak Ridge National Laboratory, Brookhaven National Laboratory, Indiana University Cyclotion Facility, and the Space Radiation Effects Laboratory. Her work included statistical analyses of heavy-ion nuclear reactions and light-ion production from bombardment of various nuclei with high-energy ion beams. She earned her Ph.D. at the University of Virginia in 1979. She was awarded a NATO Postdoctoral Fellowship to continue her research at the Max Planck Institute for Nuclear Physics in Heidelberg, West Germany. In 1980, she returned to Virginia where she was employed as a physicist at the U.S. Army Foreign Science and Technology Center.

**NASA EXPERIENCE:** Dr. Thornton was selected as an astronaut candidate by NASA in May 1984 and, in July, commenced a 1-year training and evaluation program to qualify for subsequent assignment as a mission specialist on future space shuttle flight crews.

*OVEMBER 1984*

NASA

National Aeronautics and Space Administration

Washington, D.C.
20546

# Biographical Data

**NAME:** Barbara Radding Morgan

**BIRTHPLACE AND DATE:** Born Nov. 28, 1951, in Fresno, Calif. Her parents, Jerome and Marian Radding reside in Fresno.

**PHYSICAL DESCRIPTION:** 5 ft., 4 in.; 106 pounds; brown hair; green eyes.

**EDUCATION:** Graduated Hoover High School, Fresno in 1969; earned a bachelor of arts with distinction in Human Biology from Stanford University in 1973; and earned her teaching credential from College of Notre Dame, Belmont, Calif., in 1974.

**MARITAL STATUS:** Married June 10, 1978, to Clayton Michael Morgan.

**CHILDREN:** None

**RECREATIONAL INTERESTS:** Plays flute and is learning to play the violin, swimming, cross-country skiing, hiking and sailing.

**PROFESSIONAL SOCIETIES/FRATERNITIES:** Member of Phi Beta Kappa, McCall-Donnelly Education Association, Idaho Education Asociation, National Education Association.

**COMMUNITY INVOLVEMENT:** Member and acting musical director of McCall Chamber Orchestra, McCall Chorale and McCall Mandolin Orchestra; treasurer and concert organizer for McCall Folklore Society; musician for local drama productions.

**XPERIENCE:** Morgan began her teaching career in 1974 at the Flathead ndian Reservation at Arlee Elementary School in Arlee, Mont., where e taught remedial reading and math. From 1975 to 1978, she taught medial reading/math and second grade at McCall-Donnelly Elementary hool in McCall, Idaho. From 1978 to 1979, Morgan taught English and ence to third graders at Colegio Americano de Quito in Quito, ador. Since 1979, she has taught third/fourth grade combination sses, fourth grade and second grade at McCall-Donnelly Elementary ool.