



U.S.S.
MAY 17 1963
FRANK KNOX (DDR-742)

MAJ LEROY
PROJECT
22 ORBIT



U.S.S.
MAY 15 1963
A.M.
HARWOOD (DD)



S. GAINARD
MAY 15 1963
A.M.



Miss C. Verlander
2323 Valmont St.
New Orleans, La.

Minuteman

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Rocket launched from
Vandenberg AFB California

VANDENBERG AFB, CA 93424
JAN 16
AM
1968



Finland
Independence 1917-67



United States 5c

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island

WALLOPS ISLAND
JAN 16
PM
1968
VA.



NIKE-CAJUNS

JAN 16 1968
2 14 & 2 29 PM

Postage Due 1 Cent

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SATELLITE LAUNCHED FROM VANDENBERG AIR FORCE BASE



TITAN III-B/AGENA SPACE BOOSTER

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET FROM ..
satellite toward Western
Polar Test
Orbit Range



THOR-AGENA BOOSTER



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



SATURN - APOLLO
LUNAR MODULE 1



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET
satellite
toward
Polar
Orbit



THOR-AGENA
BOOSTER

FROM ..
Western
Test
Range



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

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Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



Rocket launched from
Vandenberg AFB California

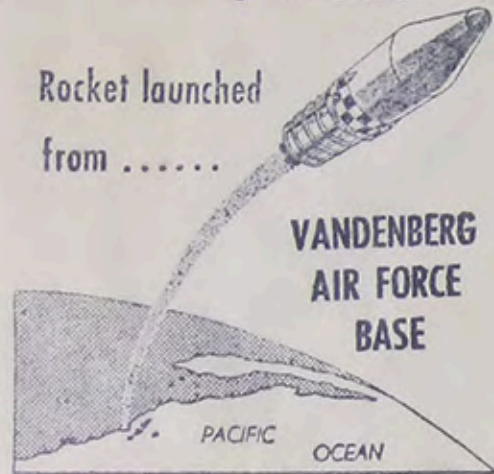


DOUBLE LAUNCH

M. Weiner
446 E. 51st St.
Brooklyn, N. Y. 11203

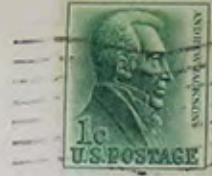
Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

Rocket launched
from



VANDENBERG
AIR FORCE
BASE

PACIFIC OCEAN



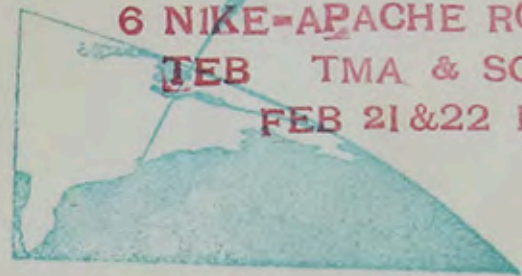
Finland
Independence 1917-67



United States 5c

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island



6 NIKE-APACHE ROCKETS
JEB TMA & SODIUM
FEB 21 & 22 1968



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California



Finland
Independence 1917-67



United States 5c

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



USAF TITAN II "SUPER ICBM"

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.





ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



BOMARC TARGET
Missile destroyed by Air to Air
or Ground to Air Missiles in the
Pacific near Pt. Mugu, California

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California

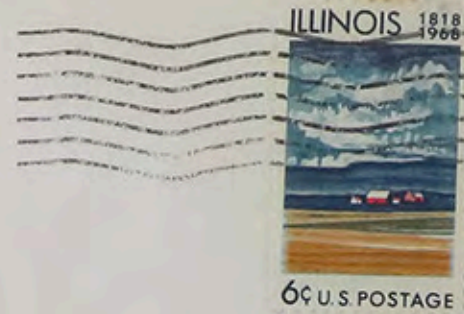
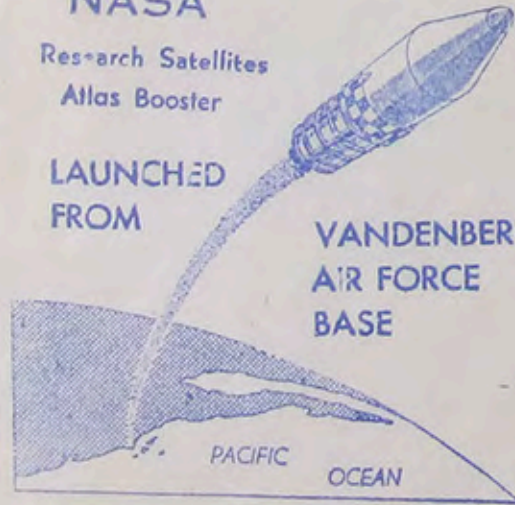
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

US AIR FORCE
NASA

Research Satellites
Atlas Booster

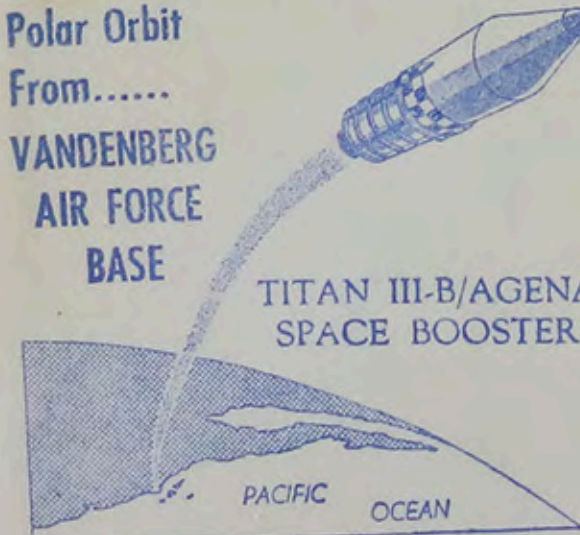
LAUNCHED
FROM

VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET SATELLITE toward
Polar Orbit
From.....
VANDENBERG
AIR FORCE
BASE



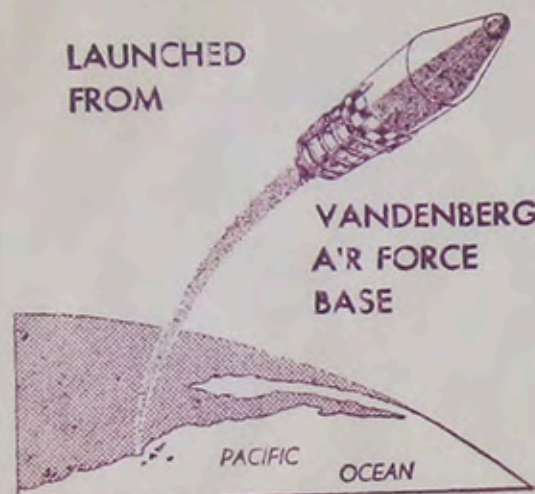
TITAN III-B/AGENA
SPACE BOOSTER



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

LAUNCHED
FROM



VANDENBERG
A'R FORCE
BASE

PACIFIC OCEAN



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

LAUNCHED
FROM



VANDENBERG
AIR FORCE
BASE

PACIFIC OCEAN



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from

Wallops
Island

SCOUT REENTRY F

APR 27 1968

12 19 AM



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California

VANDENBERG AFB, CA 93948
APR 30
-PM
68

ILLINOIS 1818
1968



6c U.S. POSTAGE

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

LAUNCHED FROM

VANDENBERG
AIR FORCE
BASE

PACIFIC OCEAN

VANDENBERG AFB, CA 93948
MAY 3
AM
68

ILLINOIS 1818
1968



6c U.S. POSTAGE

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET

satellite
toward
Polar
Orbit

FROM ..
Western
Test
Range



THOR-AGENA
BOOSTER

VANDENBERG AFB, CA 93948
MAY 1
-PM
68

ILLINOIS 1818
1968



6c U.S. POSTAGE

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island

U S - CANADIAN
BLACK BRANT IV
1 10 AM MAY 7 1968

WALLOPS ISLAND, VA
MAY 7
AM
1968
23337

SUPPORT OUR YOUTH



6c

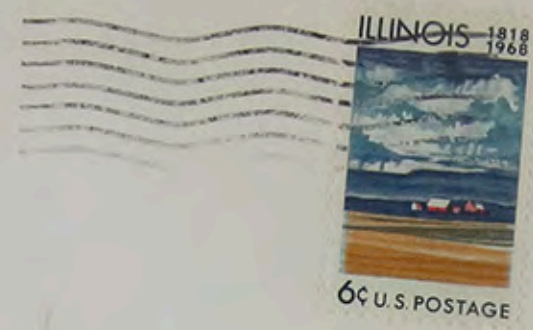
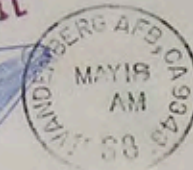
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Polar Orbit
From ~~Destroyed In Flight~~



VANDENBERG
AIR FORCE
BASE

NIMBUS 3 WEATHER SATELLITE
SNAP 19 NUCLEAR POWER SUPPLY



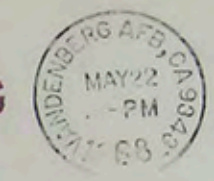
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE

BOMARC TARGET
Missile destroyed by Air to Air
or Ground to Air Missiles in the
Pacific near Pt. Mugu, California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET
satellite
toward
Polar
Orbit



VANDENBERG
AIR FORCE
BASE

THOR/BURNER II



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California



6¢ U.S. POSTAGE

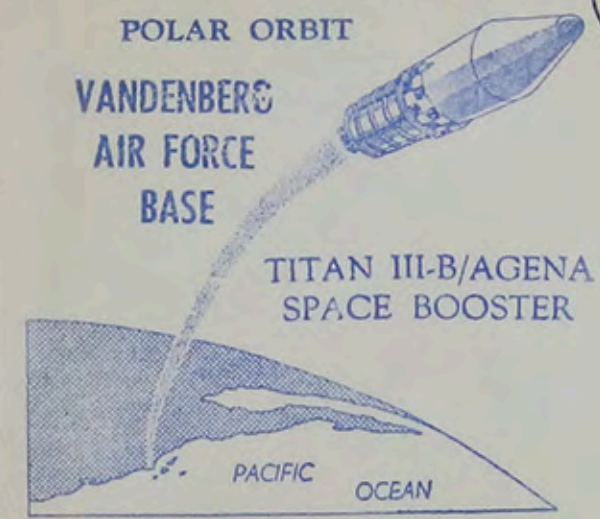
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET SATELLITE toward

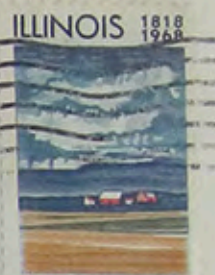
POLAR ORBIT

VANDENBERG
AIR FORCE
BASE

TITAN III-B/AGENA
SPACE BOOSTER



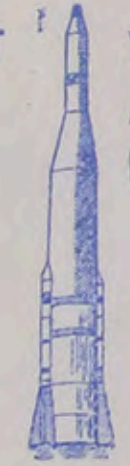
PACIFIC OCEAN



6¢ U.S. POSTAGE

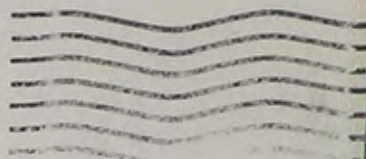
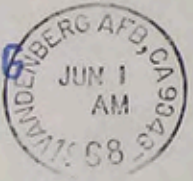
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster



6¢ U.S. POSTAGE

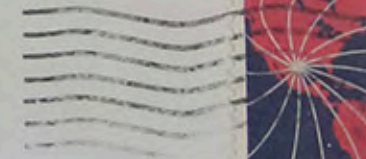
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

VANDENBERG
AIR FORCE
BASE



PACIFIC OCEAN

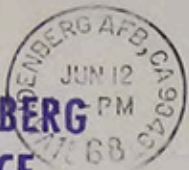


HEMISFAIR '68

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



USAF TITAN II "SUPER ICBM"

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

VANDENBERG
AIR FORCE
BASE



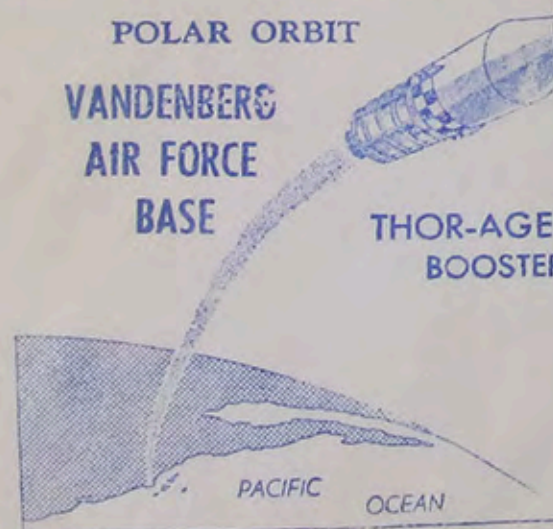
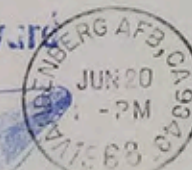
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET SATELLITE T. W. WEINER

POLAR ORBIT

VANDENBERG
AIR FORCE
BASE

THOR-AGENA
BOOSTER



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from

Wallops
Island

AEROBEE 150-A
WITH 2 WHITE RATS
6 51 PM JUN 24 1968

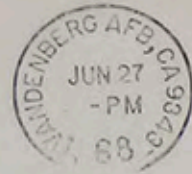


M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



BOMARC TARGET

Missile destroyed by Air to Air
or Ground to Air Missiles in the
Pacific near Pt. Mugu, California

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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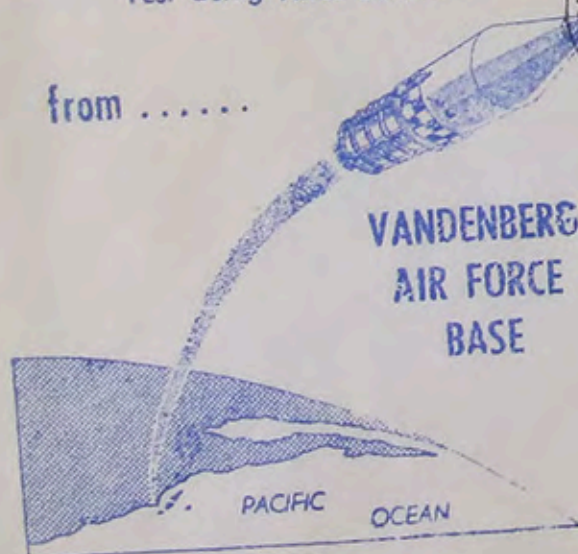


Rocket launched from
Vandenberg AFB California

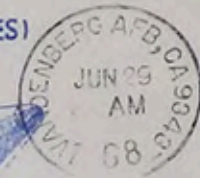
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

from



VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



POLARIS SUB FIRING

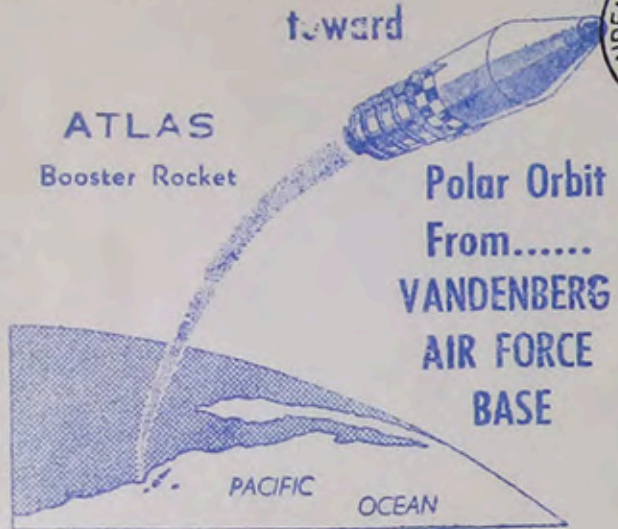


M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

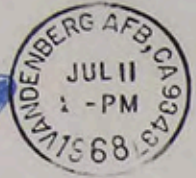
OV 1 - 15 & 16
RESEARCH SATELLITES

toward

ATLAS
Booster Rocket



Polar Orbit
From.....
VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



POLARIS SUB FIRING



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island

11 MET EXP ROCKETS
6 APACHES 5 CAJUNS
JULY 24 & 25 1968



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



POLARIS SUB FIRING



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET
satellite
toward
Polar
Orbit

FROM ..
Western
Test
Range



TITAN III-B/AGENA
SPACE BOOSTER



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island



NIKE-TOMAHAWK
AIRGLOW EXP
JULY 31 1968
5 21 PM



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SATELLITE toward

THOR-AGENA
BOOSTER

Polar Orbit
From.....
VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



1ST POSEIDON - PAD LAUNCH



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



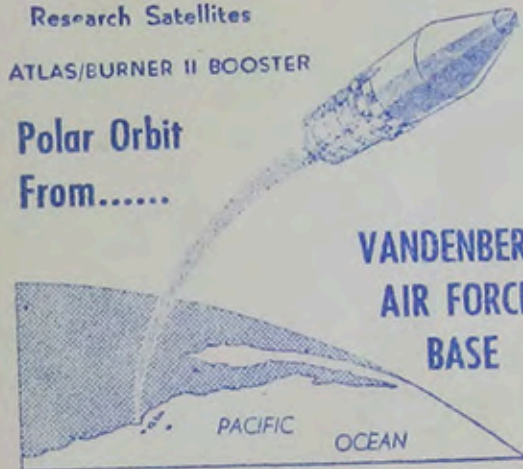
MINUTEMAN 3 MIRV



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

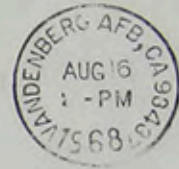
Research Satellites
ATLAS/BURNER II BOOSTER

Polar Orbit
From.....



VANDENBERG
AIR FORCE
BASE

SPACE EXPERIMENTS MULTI-SATS
10 Separate Experiments Into 4
Different 400 - 2500 Mi. Orbits



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE

BOMARC TARGET
Missile destroyed by Air to Air
or Ground to Air Missiles in the
Pacific near Pt. Mugu, California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM

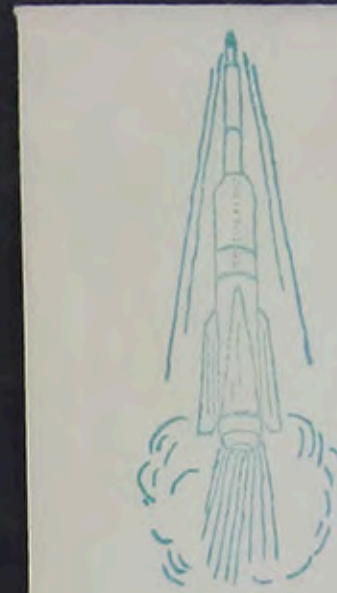


VANDENBERG
AIR FORCE
BASE



USAF TITAN II "SUPER ICBM"

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



SUB POLARIS FIRING

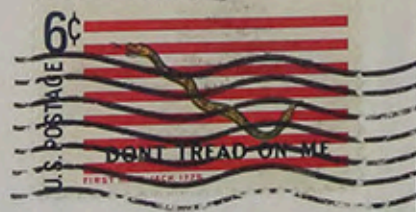


M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island



SCOUT RAM C-B
AUG 22 1968
11 16 AM



M. Weiner
446 E. 51st Street
Brooklyn, N. Y. 11203

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



MINUTEMAN "INSTANT ICBM"

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



SUB POLARIS FIRING



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

THRUST-AUGMENTED THOR BOOSTER
POLAR ORBITING SATELITE

SECRET



FROM
VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET
satellite
toward
Polar
Orbit



TITAN III-B/AGENA
SPACE BOOSTER

from
Western
Test
Range



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



SUB POLARIS FIRING



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SECRET
satellite
toward
Polar
Orbit



THOR-AGENA
BOOSTER



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE

BOMARC TARGET
Missile destroyed by Air to Air
or Ground to Air Missiles in the
Pacific near Pt. Mugu, California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.



SATURN - APOLLO
1ST MANNED APOLLO - ORBITAL FLIGHT
SCHIRRA - CUNNINGHAM - EISELE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Rocket
fired from
Wallops
Island



**BLACK BRANT IIIB
CANADIAN
MAY 1 1969
226 PM**



Minuteman

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Rocket launched from
Vandenberg AFB California



US AIR FORCE MINUTEMAN 1
Research Booster
Investigating
Re-Entry System

Leonard Edelstein
87-15 204th Street
Hollis, New York 11423

Orbiting Satellite fired
from KSC Launch Site.
CAPE CANAVERAL, FLA.



ORBITING SOLAR OBSERVATORY



JOSEPH M. MARTIN
P. O. BOX 73
EMPIRE, MICHIGAN 49630



APOLLO PROJECT
NASA

ANTIGUA
DATE 19 3 68

ANTIGUA
4c

ANTIGUA
15c

ANTIGUA
25c

ANTIGUA
50c

ANTIGUA
APOLLO PROJECT
OFFICIAL FIRST DAY COVER

Crown Agents Stamp Bureau
4 Millbank
London S.W.1



THE EXPLORATION OF SPACE



BENSON & HEDGES 100's
100 Park Avenue
New York, NY 10017 USA



GLENN SCANNING INSTRUMENTS IN ORBIT
For one man, beauty, wonder—and a nightmare of suspense.



MEZINÁRODNÍ
GEOFYSIKÁLNÍ ROK
1957-1958

ČESKOSLOVENSKÁ POŠTA



Letadlem
Via Air Mail



Praha 32
21

ČESKOSLOVENSKÁ POŠTA

Messrs. J. & H. STOLOW, Inc.
50 West 46th Street,
NEW YORK 36, N. Y. U.S.A.

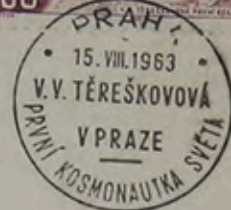
Praha 1
13 579

Recommandé



PRVNÍ KOSMONAUTKA SVĚTA
V. V. TÉREŠKOVÁ V PRAZE
SRPEN 1963

PAR AVION
LETECKY



Mr.
Richard Brown
30, Crystal Road
LEVITTOWN - PA.
U.S.A., 19057

PAR AVION
LETECKY



Mr.
Richard Brown
30, Crystal Road
LEVITTOWN - PA.
U.S.A. 19057



ČESKOSLOVENSKÁ POŠTA

PAR AVION
LETECKY



ČESKOSLOVENSKÁ POŠTA



Mr.
Richard Brown
30, Crystal Road
LEVITTOWN - PA.
U.S.A. 19057



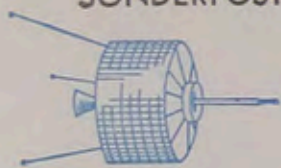
ČESKOSLOVENSKÁ POŠTA

КОСМОС '67



Endlich wieder «festen» Boden unter den Füßen hatten McDivitt und White als der Rettungshubschrauber sie auf das Deck des Flugzeugträgers «Wasp» setzte.

SONDERPOSTWERTZEICHEN



Internationale
Verkehrsausstellung
München 1965



ERSTTAGSBRIEF



44403 *



APOLLO 11
MONUMENT
RIEDHEIM



APOLLO 17

FIRST NIGHT LAUNCH OF A MANNED SPACECRAFT



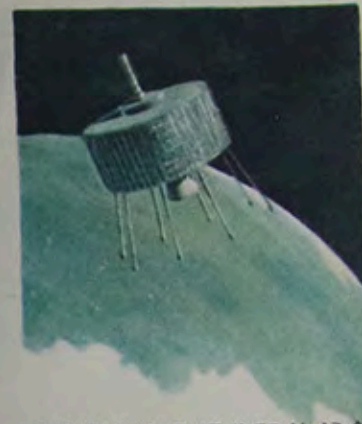
First Day Of Issue



ARMSTRONG



BRITISH POSTAL STRIKE
MAIL DELIVERY TO USA



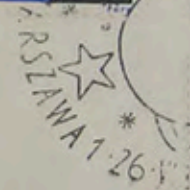
国際商業衛星通信開始記念

In Commemoration of the
International Telecommunication Satellite
INTERSAT - 2

First Day of Issue JANUARY, 1967

PAR AVION
航空郵便

Mr. Kildong Lee
P.O. Box 52, Chonju, Chollapukto, KOREA



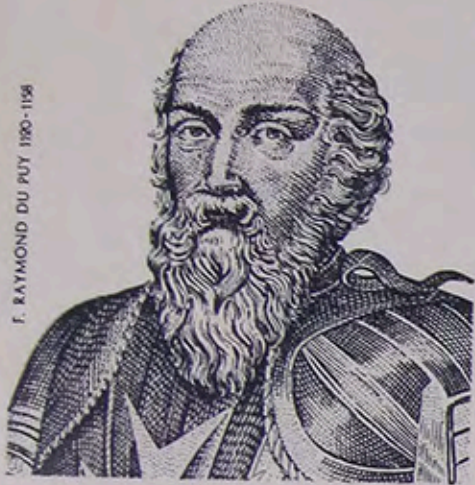
PIERWSZY DZIEŃ OBIEGU — F.D.C.
P.P.F. — „Ruch”



SOVRANO MILITARE
ORDINE DI MALTA

APOLLO 14
MOON LANDING-ALLUNAGGIO

F. RAYMOND DU PUY 1980-1158



RITRATTI DEI
GRANDI MAESTRI

8 - KimCover



10 DOCUMENTI
STORICO FILATELICI
DEL S.M.O.M.



Preg.mo Signor
DIRETTORE DEI MUSEI
del S.M.O.M.
Aventino



FIRST
DAY
COVER



JORDAN



25/3/1964

HONORING
AMERICA'S SPACE HERO
MAJ. LEROY G. COOPER, JR.



22 ORBITS 34 HOURS/20 MIN.
FAITH 7
LAUNCHED MAY 15, 1963
CAPE CANAVERAL, FLA.
RECOVERY BY AIRCRAFT CARRIER,
U.S.S. KEARSARGE



2ND DAY OF
AERO-PHILATELY
AMSTERDAM-AIRPORT
MAY 18, 1963

Commander
Walter M. Schirra, Jr., U.S.N.
circles earth six times
in his space capsule „Sigma 7”
October 3, 1962

The destroyer U.S.S. Kearsarge
was the recovery ship
for the third U.S. man in space



♀

DSTA 7
Walter Schirra, Jr.



Dutch Space Travel Archives,
Eemsstraat 48, Amsterdam-Z.



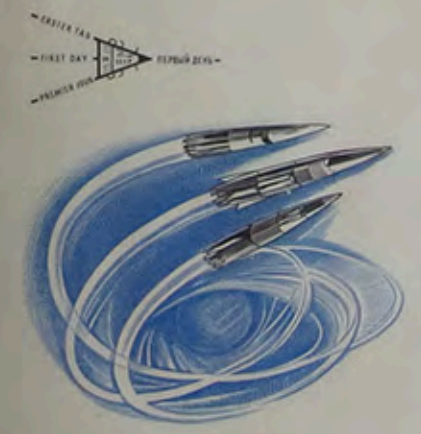
Гржданка Союза Советских
первая в мире женщины
Герой Советов
Валентина Терешкова



HOMENAJE DE PANAMA



FRIENDSHIP 7 ON EXHIBITION







MOON ASTRONAUTS
SPLASH-DOWN IN
SOUTH PACIFIC
"APOLLO 15"

OFFICIAL SOUVENIR COVER
WESTERN SAMOA POST OFFICE



PROJECT GEMINI
VIRGIL I. GRISSOM
JOHN W. YOUNG
CAPE KENNEDY
MARCH 23, 1965



GORDON COOPER



 CITTÀ DEL VATICANO 16 OTTOBRE 1969

Visit to H.H. Paul VI of the Astronaut Neil A. Armstrong of the "Apollo 11" flight on the moon

Visita a S.S. Paolo VI dell'Astronauta N. A. Armstrong del 1° Volo Spaziale sulla Luna "Apollo 11"

N. A. Armstrong, Weltraumfahrer des Fluges "Apollo 11" auf den Mond, in besuch bei S.H. Paul VI.



RIPRODUZIONE DELLA PRIMA LETTERA LUNARE VOLATA SULL'APOLLO 11
 FACSIMILE OF THE FIRST LUNAR LETTER FLIGHT ON "APOLLO 11"

MOON LANDING
 JUL 20 1969
 U S A

CITTÀ DEL VATICANO
 16 OTT. 1969
 POSTE

CITTÀ DEL VATICANO
 16 OTT. 1969
 POSTE

POSTE VATICANE L. 20

263 - PONTIFICATE OF H.H. PAUL VI
 KimCover 312 - HISTORIC PHILATELIC DOCUMENTS OF THE VATICAN CITY

VISITA A S.S. PAOLO VI DELL'ASTRONAUTA M. COLLINS DEL PRIMO VOLO SPAZIALE, SULLA LUNA "APOLLO 11"

M. COLLINS, WELTRAUMFAHRER DES FLUGES "APOLLO 11" AUF DEN MOND, IN BESUCH BEI S.H. PAUL VI.

CITTÀ DEL VATICANO 16 OTTOBRE 1969

RIPRODUZIONE DELLA PRIMA LETTERA LUNARE VOLATA SULL'APOLLO 11
 FACSIMILE OF THE FIRST LUNAR LETTER FLIGHT ON "APOLLO 11"

MOON LANDING
 JUL 20 1969
 U S A

CITTÀ DEL VATICANO
 16 OTT. 1969
 POSTE

CITTÀ DEL VATICANO
 16 OTT. 1969
 POSTE

POSTE VATICANE L. 20

Michael Collins
 OF THE "APOLLO 11" FLIGHT ON THE MOON

285 - PONTIFICATE OF H.H. PAUL VI
 KimCover 314 - HISTORIC PHILATELIC DOCUMENTS OF THE VATICAN CITY

«GLORY TO GOD IN THE HIGHEST AND PEACE ON EARTH TO MEN OF GOOD WILL»
 ...terrestrial globe, no longer the insurmountable boundary of human existence but the open threshold to the wide expanse of boundless space and new destinies. Glory to God!
 H.H. PAUL VI.

LANCIO DA CAPE CANAVERAL DEL VOLO "APOLLO 12" SULLA LUNA CON GLI ASTRONAUTI CONRAD, GORDON E BEAN. VURF DES "APOLLO 12"

CITTÀ DEL VATICANO
 14 NOV. 1969
 POSTE

CITTÀ DEL VATICANO
 14 NOV. 1969
 POSTE

APOLLO 12 LAUNCHING CAPE CANAVERAL NOV. 14, 1969

267 - PONTIFICATE OF H.H. PAUL VI
 KimCover 316 - HISTORIC PHILATELIC DOCUMENTS OF THE VATICAN CITY

DISCORSI DI S.S. PAOLO VI PER LA CONQUISTA DELLA LUNA



«... Oggi è un giorno grande, un giorno storico per l'umanità, ... due uomini mettono piede sulla luna »
« Noi siamo a voi vicini con i nostri voti e le nostre preghiere ... »

S.S. PAOLO VI

«... Today is a great day, a historic day for mankind, in fact two men set foot upon the moon »
« We are close to you, with our good wishes and with our prayers ... »

H.H. PAUL VI.



L'UOMO SULLA LUNA - MONDFORSCHUNG



243 - PONTIFICATE OF H.H. PAUL VI
KimCover 292 - HISTORIC PHILATELIC DOCUMENTS OF THE VATICAN CITY

FELICITAZIONI DI S.S. PAOLO VI PER L'IMPRESA DELL'«APOLLO 12»



«... Noi esaltiamo questo fondamentale successo scientifico e preghiamo che questa ulteriore vittoria sull'ignoto possa aiutare l'umanità a progredire insieme nella concordia, nel rispetto, nella pace ».

S.S. PAOLO VI.

APOLLO 12
RECUPERO DEL "SURVEYOR 3" SULLA LUNA
BERGUNG DES "SURVEYOR 3" AUF DEN MOND



270 - PONTIFICATE OF H.H. PAUL VI
KimCover 319 - HISTORIC PHILATELIC DOCUMENTS OF THE VATICAN CITY

APOLLO 8 an incredible Christmas journey.
Perfect launching Saturday morning, December
21, 1968. Well in time with President Kennedy's
pledge "Americans on moon by 1970."



Frank Borman
James Lovell
W. Anders
C. SARZIN
PORT WASH NY
11050

APOLLO 9 a success; perfect take-off and
turn around in space to link the command
module with the LEM moon spider.



Franky Schmirer
James P. McDermott
C. SARZIN
PORT WASHINGTON
L. I., NEW YORK



APOLLO-14



ASTRONAUT
STUART A. ROOSA



ASTRONAUT
ED MITCHELL



ASTRONAUT
ALAN SHEPARD JR.

From Mercury To
The Moon



JOHN F. KENNEDY SPACE CENTER
FLORIDA





APOLLO 11 MISSION

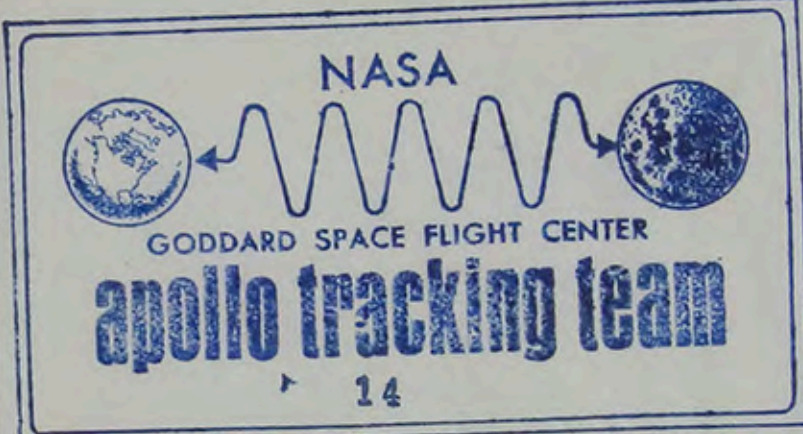


Walter Alexander
11620 Chiquita St.,
North Hollywood, Calif. 91604

HERITAGE
OFFICIAL COMMEMORATIVE COVER
TITUSVILLE - MOONPORT STAMP CLUB



Natl Aero & Space Adm.
Goddard Space Flt Cntr
Greenbelt, Maryland



R. v. Parker
1425 Ohio Grove Rd.
Aust, Md.
20027

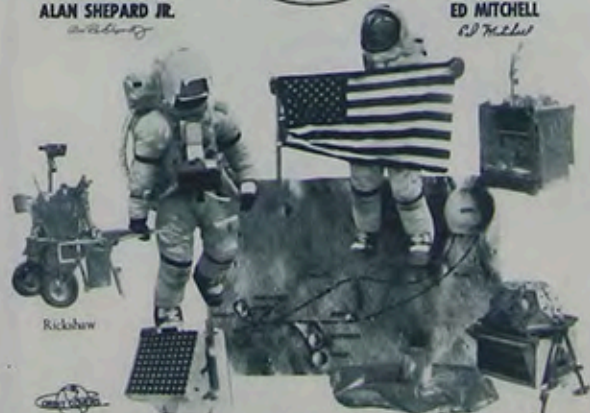
APOLLO-14
Man's Third Moon Landing



ASTRONAUT ALAN SHEPARD JR.



ASTRONAUT ED MITCHELL



JOHN F. KENNEDY SPACE CENTER FLORIDA





U.S.S. PONCE DE LEON
FEB 9 1971 AM
(FL 118)

JOHN C. LIBERT
3440 38th St NW
APT 414F
WASHINGTON, DC
20016



U.S.S. HAWKINS
FEB 9 1971 PM
(DD 873)



U.S.S.
FEB 9 1971 AM
NEW ORLEANS (LA 111)

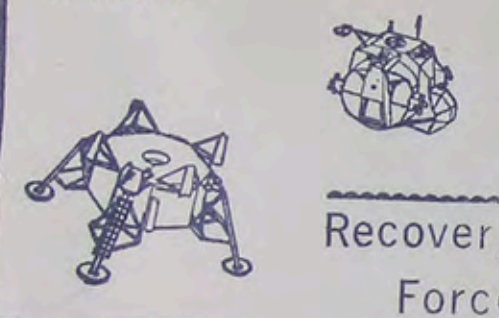
JOHN C. LIBERT
3440 38th St NW
APT 414F
WASHINGTON, DC
20016



U.S.S. HAWKINS
FEB 9 1971 PM
(DD 873)


JOHN C. LIBERT
3440 38th St NW
APT 414F
WASHINGTON, DC
20016

APOLLO 14
Atlantic



Recovery Force
U. S. NAVY

U S S
FEB 9 PM 1971
SPEIGEL GROVE (LSD-32)



FIRST MAN ON THE MOON UNITED STATES

APOLLO 14
Atlantic



Recovery Force
U. S. NAVY

U S S
FEB 9 1971
SPEIGEL GROVE (LSD-32)



FIRST MAN ON THE MOON UNITED STATES
VIA AIR MAIL

JOHN C. LIBERT
3440 38th St NW
APT 414F
WASHINGTON D.C.
20016

APOLLO-14



CAPE CANAVERAL, FL
FEB 9 PM 1971
32920



Alan Shepard
"We Have Had A Terrific Flight"
Re-Entry & Splashdown Of Apollo-14 4:05 PM EST
900 Miles South of American Samoa 4:05 PM Feb 9, 1971





Ed Mitchell Al Shepard Stu Roosa

APOLLO 14
Pacific



Recovery Force
U. S. NAVY

U S S
FEB 9 AM 1971
PONCHATAHOLA (A-148)



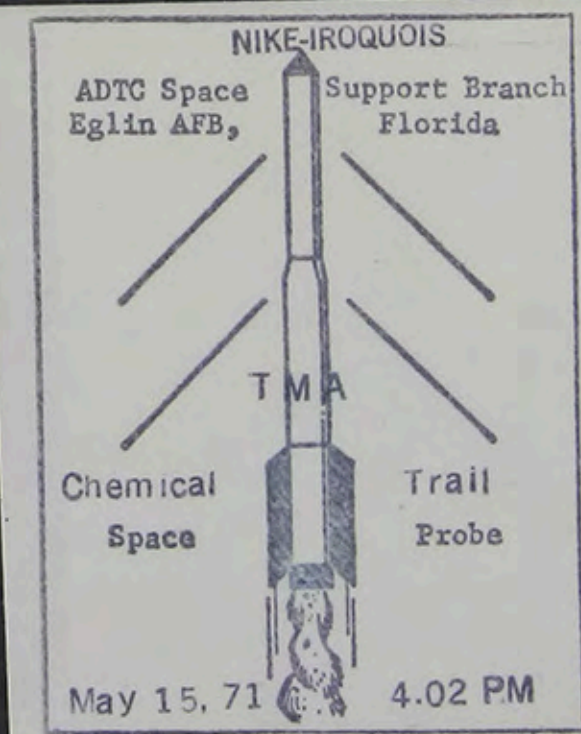
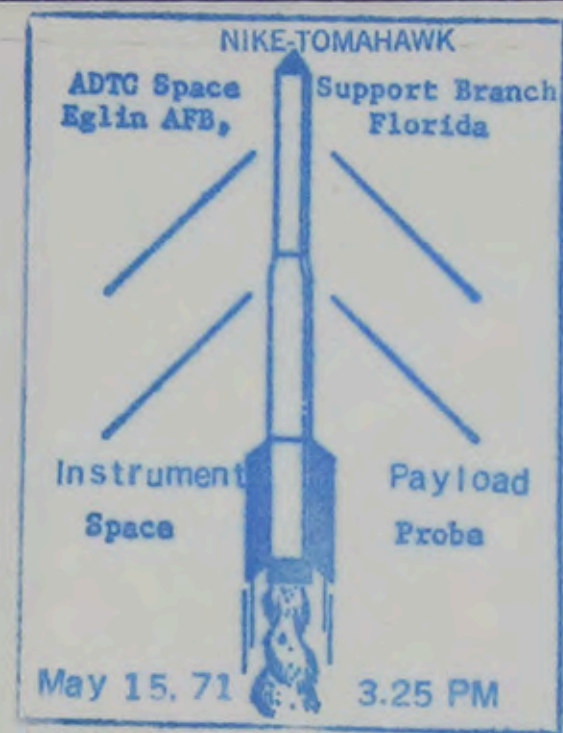
FIRST MAN ON THE MOON UNITED STATES



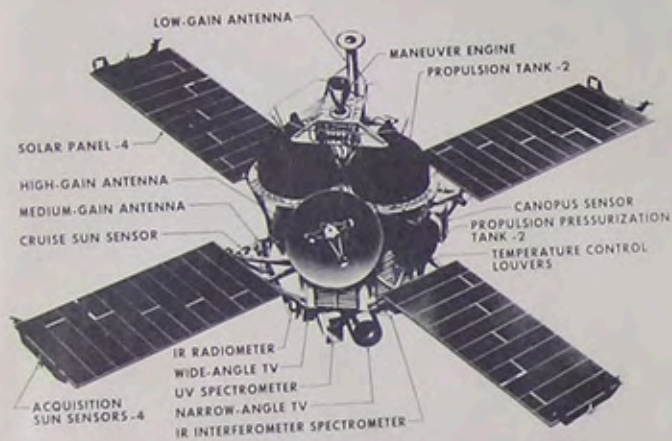
MOON LANDING



D. L. F.
Box 1
Rockledge,
Fla. 32955

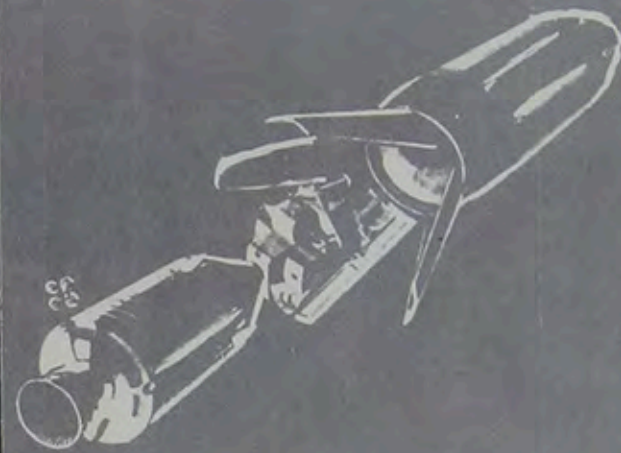


MARINER 9 MARS SPACECRAFT
SUCCESSFULLY ON ITS WAY.
ARRIVAL DATE SOMETIME IN
NOVEMBER.

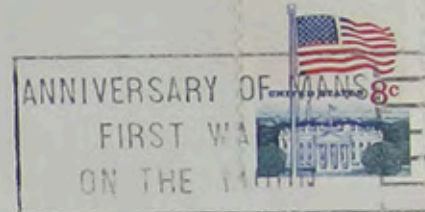


D. L. F.
Box 1
Rockledge,
Fla. 32955

APOLLO 15 IS OFF TO MOON



DOCKING AND TURN AROUND.



DOCKING MANEUVER, EXTRACTING THE
LM ACCOMPLISHED SUCCESSFULLY BY
APOLLO 15.

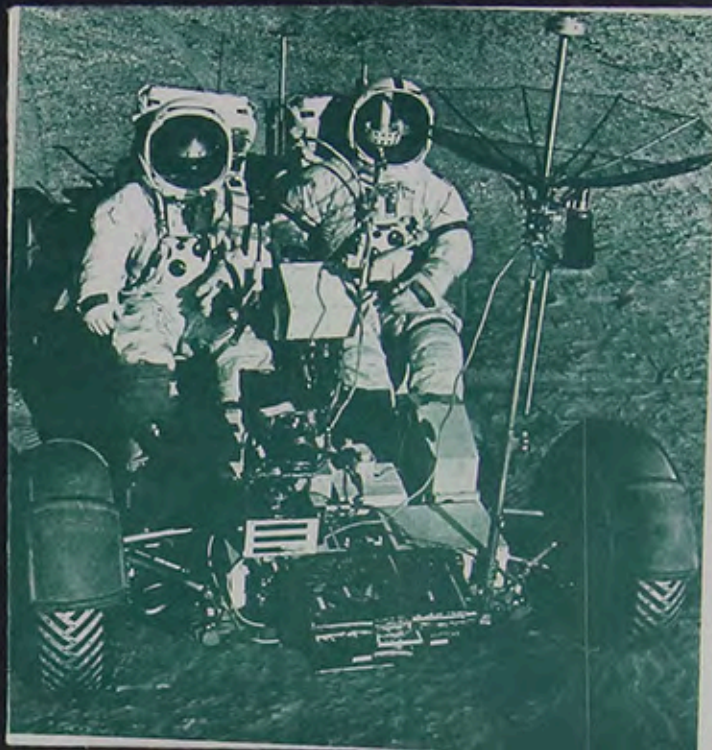
C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050







APOLLO 15 - Manned Lunar Landing Mission
Space City Cover Society

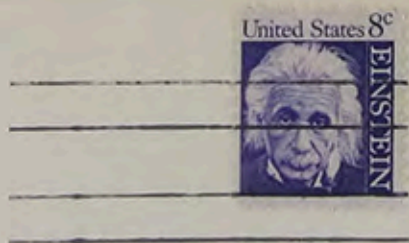


AWAY THEY GO.....
CREWMEN OF APOLLO 15
IN THEIR ROVER EXPLORING
THE LUNAR SURFACE.
C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050

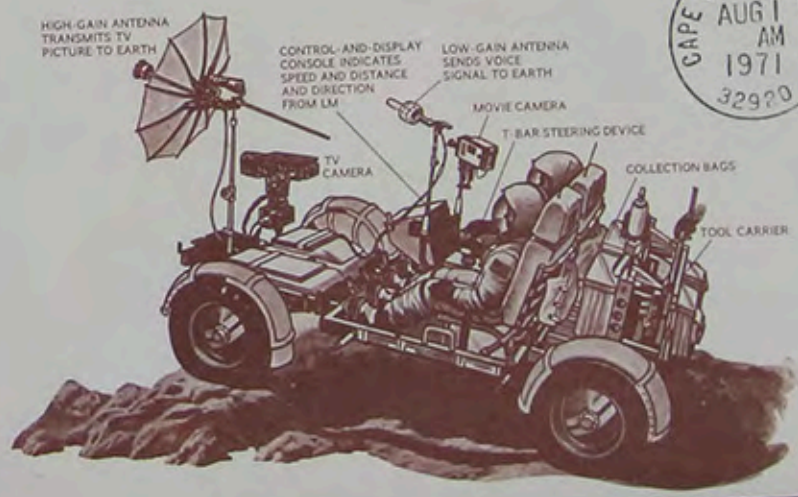
MANNED SPACEFLIGHT COVERS
Commemorates
THE FIFTH MANNED
LUNAR LANDING MISSION



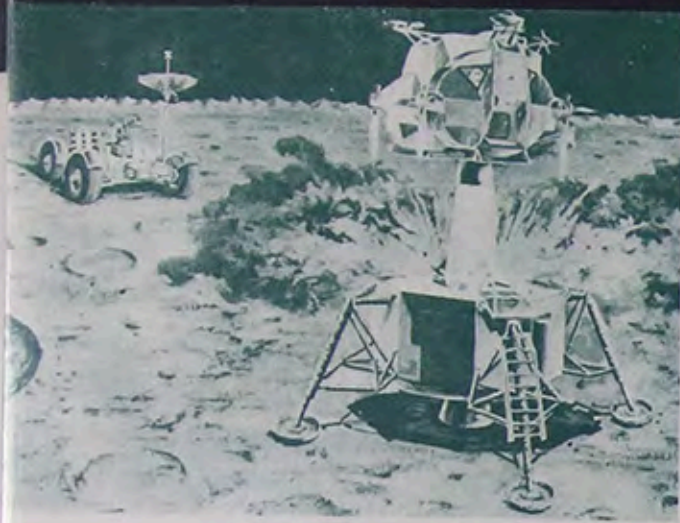
IRWIN SCOTT WORDEN



MANNED SPACEFLIGHT COVERS • P. O. BOX 10791 • HOUSTON, TEXAS 77018



LUNAR SURFACE EXPLORATION
Their battery-powered lunar vehicle
travels at eight miles an hour on tires
woven of zinc-coated piano wire;
chevron treads of titanium, riveted
to the wire mesh, will keep the wheels
from sinking in deep dust.
C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050



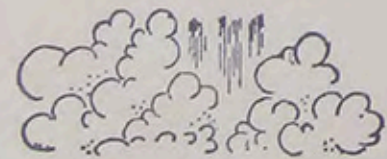
FALCON BLASTS OFF FROM THE SURFACE OF THE MOON ON AUG. 2, 1971, AS TELEVISED VIA THE CAMERA ON THE LUNAR ROVER.



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

APOLLO 15
SCOTT - WORDEN - IRWIN
Hadley-Apennine area exploration
using the Lunar Rover Vehicle

4th
Lunar Module
LAUNCH



PT. ARGUELLO TRACKING STA.
VANDENBERG AFB, CALIF.



First Live Television
of Moon Lift-off
to Earth

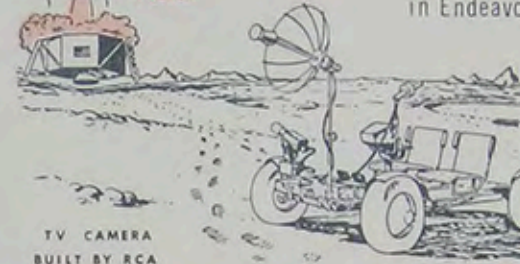
Aug. 2nd



FALCON



Al Worden
in Endeavour



TV CAMERA
BUILT BY RCA



Jim Irwin



Dave Scott

Apollo 15 Moon Lift-off 1:11 pm EDT

APOLLO 15 - Liftoff From The Moon
Space City Cover Society



ROVER EXPLORATION TO VOLCANIC CRATERS
 TRAVERSE # 3 ON THE EDGE OF HADLEY
 RILLE ON THE SURFACE OF THE MOON.

**Apollo 15: To the
 Highlands of
 the Moon**



Landing Site



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



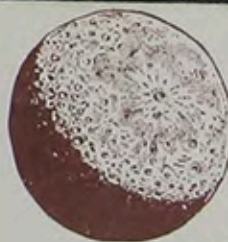
OFFICIAL COMMEMORATIVE COVER
 TITUSVILLE - MOONPORT STAMP CLUB



ANNIVERSARY OF MANS
 FIRST WALK
 ON THE MOON

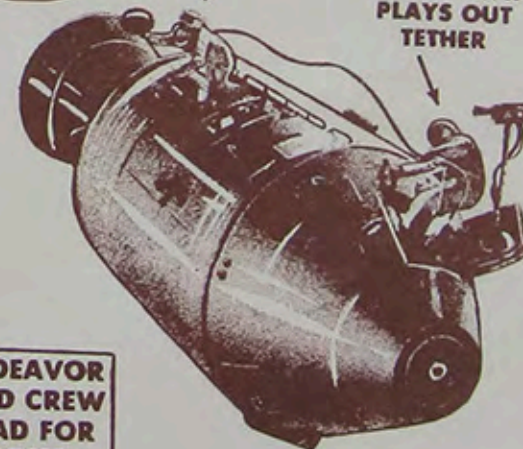


MANS FIRST WALK IN DEEP SPACE



AL WORDEN
 RETRIEVES FILM
 CASSETTES

ASTRONAUT
 JAMES IRWIN
 PLAYS OUT
 TETHER



ANNIVERSARY OF MANS
 FIRST WALK
 ON THE MOON

AL WORDEN TAKES SPACE WALK TO
 RETRIEVE FILM CASSETTES AS JIM
 IRWIN MANS TV CAMERA TO GIVE
 EARTHLINGS APOLLO-EYE VIEW.

ENDEAVOR
 AND CREW
 HEAD FOR
 HOME

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

RO
TR
RII

A
H
th

Launch 7-26
Moonlanding 7-30



David Scott
Alfred Worden
RECOVERY by USS OKINAWA



Moon Lift-off
Aug. 2nd
1:11 PM, EDT



REENTRY and SPLASHDOWN
Apollo 15 Aug. 7th
4:46 pm EDT

APOLLO 15



SPLASHDOWN

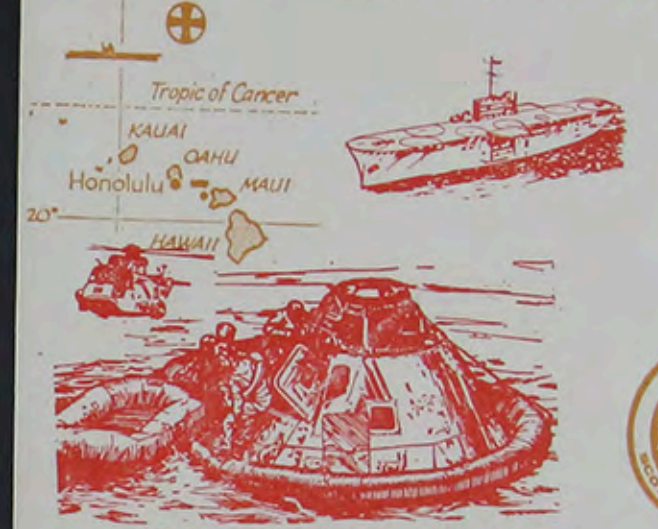
SPLASHDOWN

After setting cameras on the Lunar Rover to televise lunar lift-off, Scott and Irwin climbed aboard the Falcon. At precisely 1:11 P.M. Falcon blasted off to join mothership, the Endeavour. After a 295 hour, 12 minute flight, and one parachute failing to open the Endeavour splashed down at 21.8 mph, in the Pacific Ocean at 4:46 P.M. on August 7, 1971. Scott, Irwin, and Worden were picked up and carried to the recovery ship, U.S.S. Okinawa. Thus ending man's most successful space achievement to date.



ANNIVERSARY OF MANS
FIRST WALK
ON THE MOON

Pacific Ocean APOLLO 15



A DECADE OF ACHIEVEMENT

ANNIVERSARY OF MANS
FIRST WALK
ON THE MOON



Dave Scott Al Worden Jim Irwin

Re-Entry & Splashdown Of Apollo-15 325 Mi, North
Of Hawaii At 4:45 PM EDT August 7, 1971. 180 Pounds
Of Moon Rock Recovered On 12 Day 1,275,084 Mile Flight.

SPLASHDOWN - Apollo 15 - Mission Completed
Space City Cover Society



ANNIVERSARY OF MANS
FIRST WALK
ON THE MOON

SPLASHDOWN - Apollo 15 - Mission Completed
Space City Cover Society



A DECADE OF ACHIEVEMENT



NASA LOCAL POST
AUG 7 1971



FIRST DAY
OF ISSUE



FIRST MAN ON THE MOON

DECADE OF
SPACE
ACHIEVEMENTS
1961-1971

NASA



ALAN B. SHEPARD, JR.
FIRST MAN IN SPACE ON THE MERCURY REDSTONE III



FIRST DAY
OF ISSUE



FIRST MAN ON THE MOON

DECADE OF
SPACE
ACHIEVEMENTS
1961-1971

NASA



ALAN B. SHEPARD, JR.
FIRST MAN IN SPACE ON THE MERCURY REDSTONE III





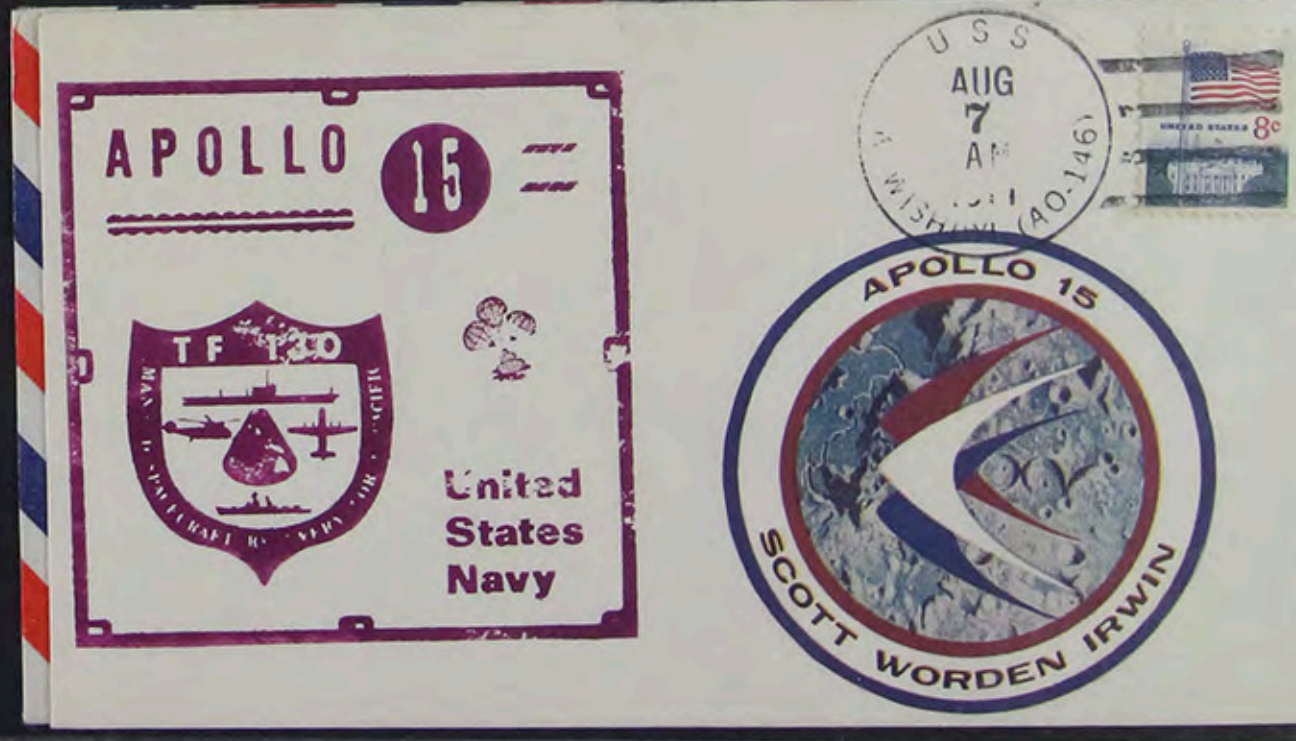
U S S
AUG
7
AM
1971
OKINAWA (LPH-3)

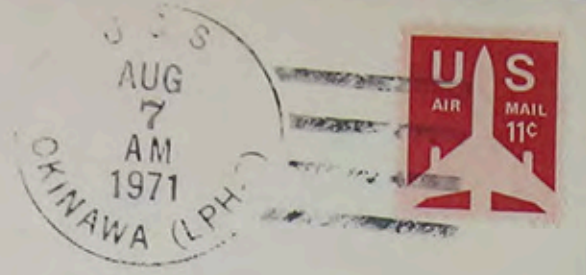


FIRST MAN ON THE MOON

UNITED STATES

DECADE OF
SPACE
ACHIEVEMENTS
1961-1971





Helen E. Schwenger
28 Yacht Club Drive, 305
North Palm Beach, Fla.
33408

First Apollo 15 Moonrocks Unpacked Aug. 9th A.M.

HOUSTON, TX AUG 9 AM 1971

Jim Irwin

Dave Scott
Astronauts view rocks
Aug. 9th pm

LUNAR RECEIVING LABORATORY

'Genesis Rock' perhaps over 4 billion years old unpacked Aug. 13th

Al Worden

Oldest Moonrocks Yet Obtained

MANNED SPACEFLIGHT COVERS
Commemorates

THE SIXTH MANNED LUNAR LANDING MISSION

"First Lunar Highlands Mission"

THOMAS MATTINGLY • JOHN YOUNG • CHARLES DUKE

LAUNCH

MANNED SPACEFLIGHT COVERS
P. O. BOX 10791 • HOUSTON, TEXAS 77018

APOLLO
16



JOHN W. YOUNG

THOMAS K. MATTINGLY

CHARLES M. DUKE



APOLLO-16



ASTRONAUT
JOHN YOUNG

ASTRONAUT
CHARLES DUKE, JR.



JOHN F. KENNEDY SPACE CENTER FLORIDA

APOLLO 16



A JOURNEY TO THE MOON



APOLLO 16
PERFECT TAKE OFF
APRIL 16, 1972

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

APOLLO
16



JOHN W. YOUNG

THOMAS K. MATTINGLY

CHARLES M. DUKE



C. SARZIN

Commemorating
AMERICA'S SIXTH MANNED
MOON LANDING EXPEDITION



Century-old wood-cut from Jules Verne's prophetic 1868 novel, showing splashdown in Pacific — the capsule smashing off the recovery vessel's bowsprit.



UNITED STATES IN SPACE...

APOLLO XVI MOON LANDING
APRIL 20, 1972 — Man's First Landing
at a Lunar Crater (Descartes)

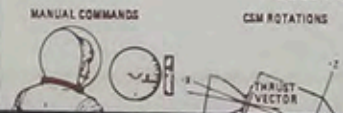
Kenmore Stamp Company
Milford, New Hampshire 03055

APOLLO 16



A DECADE OF ACHIEVEMENT

APOLLO 16 TROUBLE IN LUNAR
ORBIT. MALFUNCTION IN
BACK-UP SYSTEM ON SERVICE
PROPULSION ENGINE NEARLY
CANCELS MOONLANDING.



C. SARZIN



CHARLES DUKE

JOHN YOUNG

Orion lands
at Descartes
9:23 pm EST
April 20th



A DECADE OF ACHIEVEMENT



KEN MATTINGLY
- maps Moon
in 'Casper'

Young & Duke explore Descartes area in 3 rides,
obtain rock samples and activate experiments

Apollo 16

APOLLO 16



UNITED STATES IN SPACE...

APOLLO 16 MOONLANDING DELAYED.
THE LANDING MANEUVERS TOOK
NEARLY SIX HOURS, BECAUSE OF
COMMAND SHIP ENGINE MALFUNCTION.



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

A JOURNEY TO THE MOON

APOLLO 16



A JOURNEY TO THE MOON

CAPE CANAVERAL, FL
APR 21
P.M.
1972
32920



UNITED STATES IN SPACE


APOLLO 16 ASTRONAUTS
RIDE LUNAR ROVER AND
EXPLORE SPOOK CRATER
IN THE DESCARTES HIGHLANDS



DESCARTES AREA


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

APOLLO 16




A JOURNEY TO THE MOON

CAPE CANAVERAL, FL
APR 22
A.M.
1972
32920



A DECADE OF ACHIEVEMENT

ASTRONAUTS DRIVE UP MOUNTAIN
COLLECT ROCKS IN 6 MILE TRIP FOR
7 HOURS AND 23 MINUTES. FIND SOME
CRYSTALLINE ROCKS THAT SCIENTISTS
HOPE WILL CONTAIN CLUES TO EARLY
HISTORY OF MOON.




STONE MOUNTAIN

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

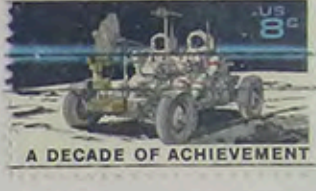
...Descartes area in 3 rides, obtain rock samples and activate experiments **Apollo 16**

APOLLO 16




A JOURNEY TO THE MOON

CAPE CANAVERAL, FL
APR 23
P.M.
1972
32920



A DECADE OF ACHIEVEMENT

APOLLO 16 BLASTS OFF THE MOON
LATE SUNDAY AFTERNOON APRIL 23, 1972.
THE MOON ROVER'S TV CAMERA PICTURED
THE BLAST OFF AS IT OCCURED.



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

LUNAR LIFT OFF



CAPE CANAVERAL, FL
APR 23
P.M.
1972
32920

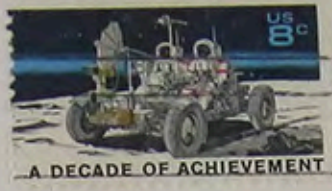


A DECADE OF ACHIEVEMENT

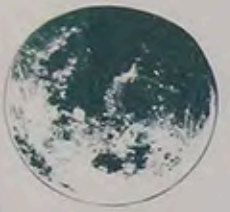
KENNEDY SPACE CENTER
APR 23
P.M.
1972
32920



CAPE CANAVERAL FL
APR 24
P M
1972
32920



DURING THEIR FINAL HOURS OF CIRCLING THE MOON THE ASTRONAUTS RELEASED AN 85 POUND SATELLITE THAT WILL REMAIN IN ORBIT AND RETURN SCIENTIFIC DATA ON MOONS GRAVITATIONAL AND MAGNETIC FIELDS FOR AT LEAST A YEAR.



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



CAPE CANAVERAL FL
APR 27
P M
1972
32920



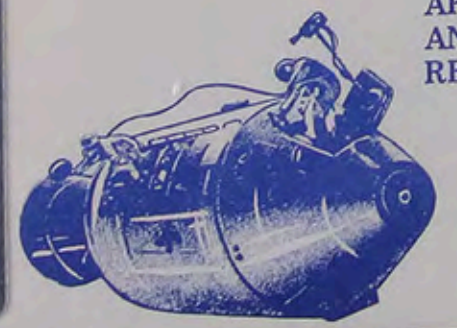
Re-Entry & Splashdown Of Apollo-16 215 Mi. SE Of Christmas Is. At 2:45 PM EST April 27, 1972 11 Day 1,393,000 Mile Flight Successfully Ends.



CAPE CANAVERAL FL
APR 25
P M
1972
32920



LIEUT. COMDR. THOMAS K. MATTINGLY LEAVES APOLLO COMMAND SHIP AND MANEUVERS TO RETRIEVE SPACE FILMS.



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PORT WASHINGTON
L.I., NEW YORK 11050





APOLLO 16 LUNAR RECOVERY SHIP





TAKE OFF APOLLO 17
 LAST U.S.A. APOLLO PROGRAM
 VOYAGE TO THE MOON. SMOOTH
 TAKE OFF, FIRST AT NIGHT
 DECEMBER 7, 1972.

C. SARZIN
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 L.I., NEW YORK 11050



APOLLO 17 FIRST NIGHT LAUNCH—LAST
 OF APOLLO SERIES

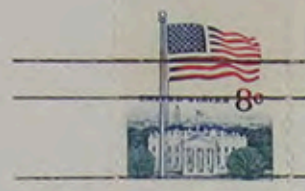
After a delay of a few hours due to a faulty computer, the mighty saturn v rocket screamed into the night with its blazing 2,200 ft. tail visible for 500 miles, carrying the astronauts on the start of the final, and most successful flight of the APOLLO SERIES.



APOLLO XVII



APOLLO 17 - LAUNCH - DECEMBER 7, 1972 - 12:33 A.M. Astronauts Cernan, Evans and Schmitt turned night into day as the rocket's brilliant flame illuminated the Cape Canaveral area heading for the moon after a delay of 2½ hours caused by a computer problem that falsely signaled a safety system that the rocket's third stage was not properly pressurized. Engineers bypassed the erroneous signal, and liftoff came 2 hours and 39 minutes later than originally planned. At 12:44 A.M. the engines cut off, leaving the astronauts safely in orbit and prepared to start the quarter million mile journey to the moon.

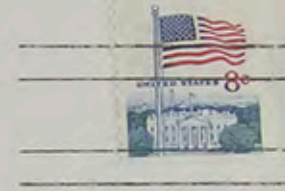


ASTRONAUTS EXPLORE VALLEY OF THE MOON SHORTLY AFTER LANDING. DRIVE 300 FEET IN LUNAR ROVER AND ESTABLISH SCIENCE STATION TO DETECT GRAVITY, AND HEAT FROM THE MOON'S INTERIOR.



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

APOLLO 17
FIRST WALK ON MOON



ASTRONAUTS EXPLORE VALLEY OF THE MOON SHORTLY AFTER LANDING. DRIVE 300 FEET IN LUNAR ROVER AND ESTABLISH SCIENCE STATION TO DETECT GRAVITY, AND HEAT FROM THE MOON'S INTERIOR.



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



Apollo 17 on Surface of Moon

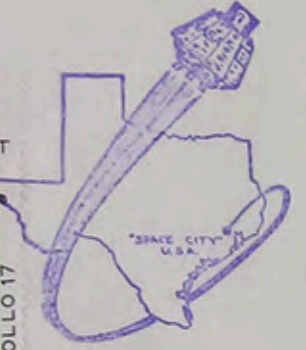
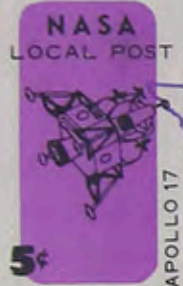
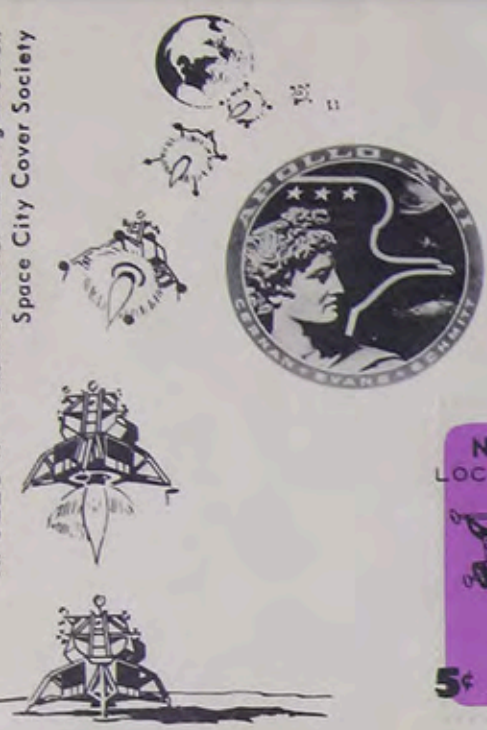
Eugene A. Cernan and Jack Schmitt touchdown on the moon. Schmitt is the first scientist to roam the surface. His knowledge of rocks and rock formations will enhance the lunar explorations.



APOLLO 17 - MOONLANDING - DECEMBER 11, 1972, 2:55 P. M. - After guiding the Lunar Lander "Challenger" over a range of 6,000 foot mountains - Astronauts Cernan and Schmitt put down in a shallow depression less than 600 feet from the planned touchdown point at Taurus-Littrow, less than a second off schedule. At 6:55 P. M. the two Astronauts stepped off the footpad onto the lunar surface. Cernan dedicated his first step "To all those who made it possible." The television camera aboard the Lunar Rover was turned on at 8:07 P. M. and the rolling mountains surrounding the site was clearly visible as was the flag-raising ceremony which the Astronauts dedicated to the ground team which helped them reach the Moon. The most accurate of all Apollo Moon landings!

APOLLO XVII

APOLLO 17 - Manned Lunar Landing Mission
Space City Cover Society



NASA LOCAL POST
DEC 11 1972

Commemorating
AMERICA'S SEVENTH MANNED
MOON LANDING EXPEDITION



1868 Wood-cut from Jules Verne's prophetic novel of America's Moon conquest, showing recovery of capsule in the Pacific.



APOLLO XVII MOON LANDING
DECEMBER 11, 1972 - America's Final Apollo
Moon Mission Takes Astronauts to a Lunar Volcano

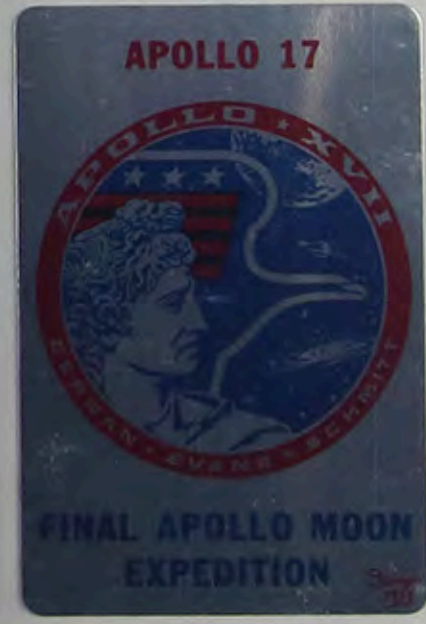
Kenmore Stamp Company
Milford, New Hampshire 03055



ASTRONAUTS DRIVE ROVER TO FOOT OF
LUNAR MOUNTAIN WHILE COMMAND MODULE
SCANS MOONS SURFACE.



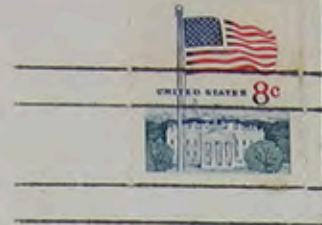
C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050



ASTRONAUTS GAUGE MOON GRAVITY
IN LAST WALK OF APOLLO PROGRAM;
FAIL TO DISCOVER VOLCANIC TRACES



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



CHALLENGER LEAVES PLAQUE ON MOON
"HERE MAN COMPLETED HIS FIRST
EXPLORATIONS OF THE MOON"

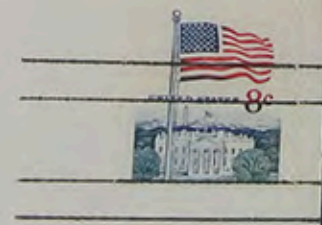


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APOLLO 17 - Liftoff From The Moon
Space City Cover Society

NASA LOCAL POST
DEC 14 1972



CERNAN AND SCHMITT BLAST OFF MOON
AFTER THREE DAYS OF EXPLORATION IN
SPACE.

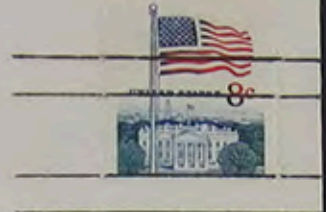


C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050



APOLLO 17 - LUNAR LIFT-OFF - DECEMBER 14, 1972 -
5:55 P.M. - Astronauts Cernan and Schmitt safely blasted
off the surface of Taurus-Littrow with a full load of moon
rocks, after ending the first chapter in the history of manned
exploration of the moon. The engine burned for seven min-
utes, 18 seconds, putting them in an initial orbit of 48 by
9 nautical miles; well below Evans in the Command Ship,
who was circling at 62 miles. On the first attempt to dock,
Evans in the Command Ship "America" moved the large ship
gently and just tapped the Lunar Lander. At 8:04 P.M.,
with the precision of a surgeon, he slipped the docking probe
into "Challenger" and locked the craft together for the last
time.

Colorized "Silk" Cachet



DEC. 16, 1972 APOLLO 17 LEAVES LUNAR ORBIT AND TAKES OFF FOR HOME. (VIEW OF EARTH FROM APOLLO 17 SPACESHIP)



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



COMMANDER EVANS RETRIEVES FILM FROM CAMERA IN SERVICE MODULE. (OPERATION TELEVISED LIVE)



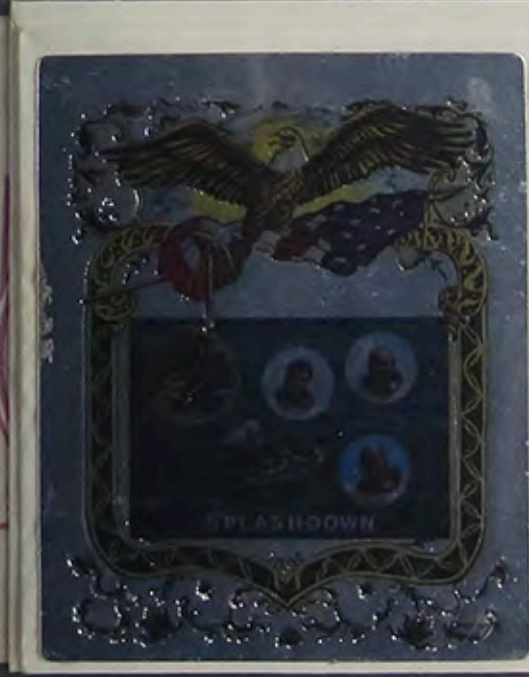
C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050



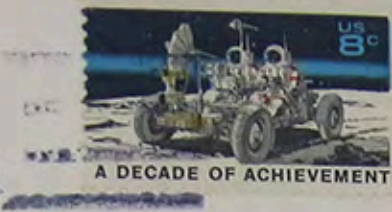
SPLASHDOWN - Apollo 17 - Mission Completed
Space City Cover Society



NASA LOCAL POST
DEC 19 1972



APOLLO 17 SPLASHDOWN IN THE PACIFIC
Last, most perfect moon mission ends as Astronauts Eugene A. Cernan, Ronald E. Evans & Harrison H. Schmitt rode the Command ship AMERICA to a near perfect splashdown in sight of prime recovery ship USS TICONDEROGA.



*NAVY RECOVERY FORCE
HAWAIIAN ISLANDS*



APOLLO XVII

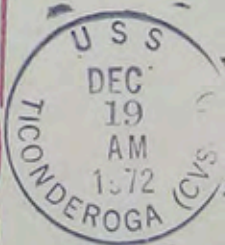
Philgraf



APOLLO 17 — SPLASHDOWN — DECEMBER 19, 1972 — 2:25 P. M. — The splashdown sequence went without flaw. At 2:12 P. M. as predicted, the spacecraft came into earth's atmosphere at 25,000 m.p.h. and began slowing down. At 2:25 P. M. Astronauts Cernan, Evans and Schmitt came within easy range of watching television cameras aboard the recovery ship U.S.S. Ticonderoga, enabling millions of viewers around the world to watch them splashdown in the blue Pacific waters just 3.5 miles from target. The last of the Apollo flights proved to be the most successful; bringing back more samples with more promise to scientists than ever before. The journey lasted a record 301 hours and 52 minutes. The end of a colorful era.



*Joyce W. Liberty Apts 14F
3440 38th St NW Wash DC 20016*



UNITED STATES IN SPACE... A DECADE OF ACHIEVEMENT

NASA/GODDARD SPACE FLIGHT CENTER STAMP CLUB



UNITED STATES IN SPACE

APOLLO 17

LAST FLIGHT OF THE
APOLLO PROGRAM

NASA COMMUNICATIONS NETWORK
Goddard Space Flight Center's NASCOM
Apollo 17 Communications Network
OFFICIAL COVER

APOLLO-11



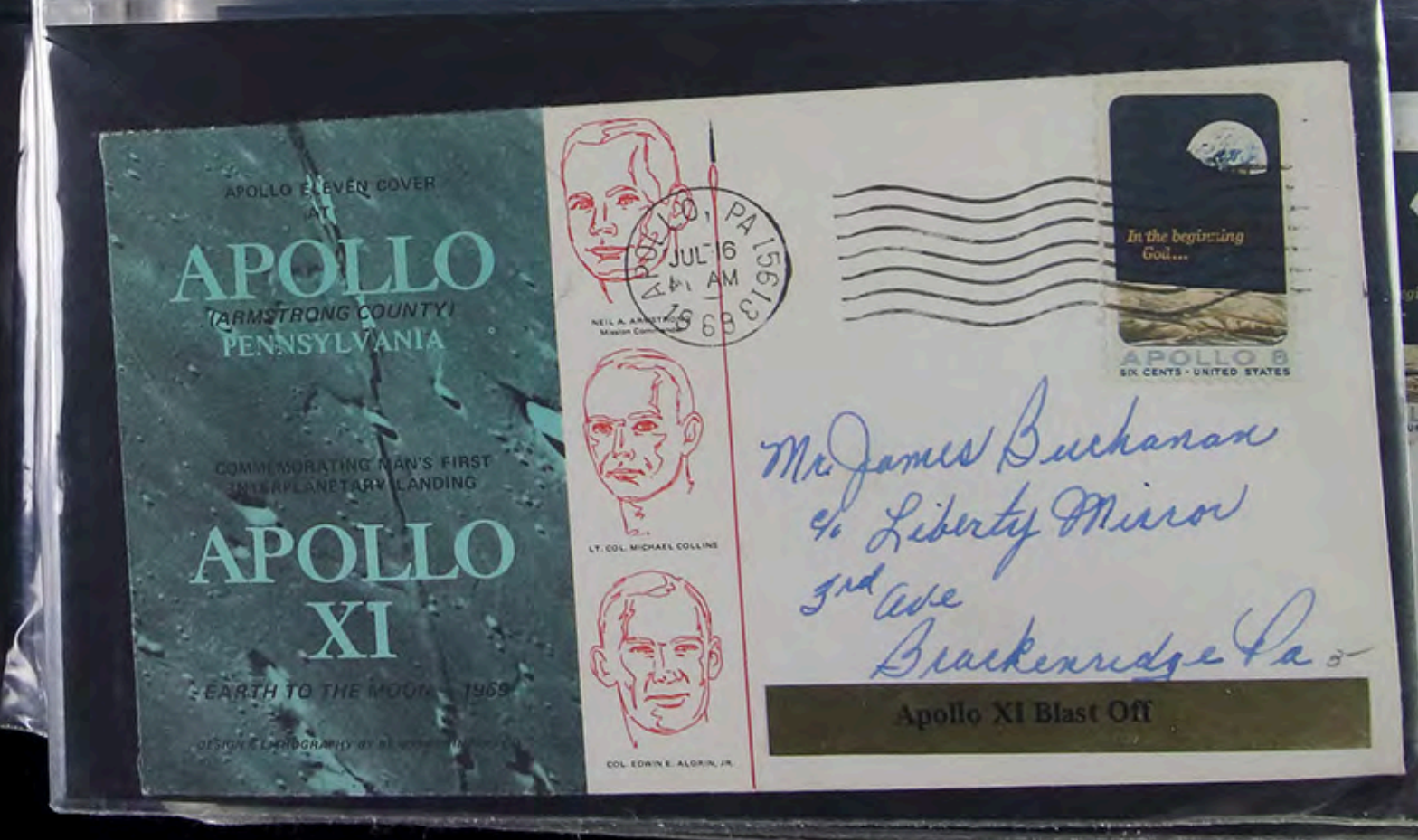
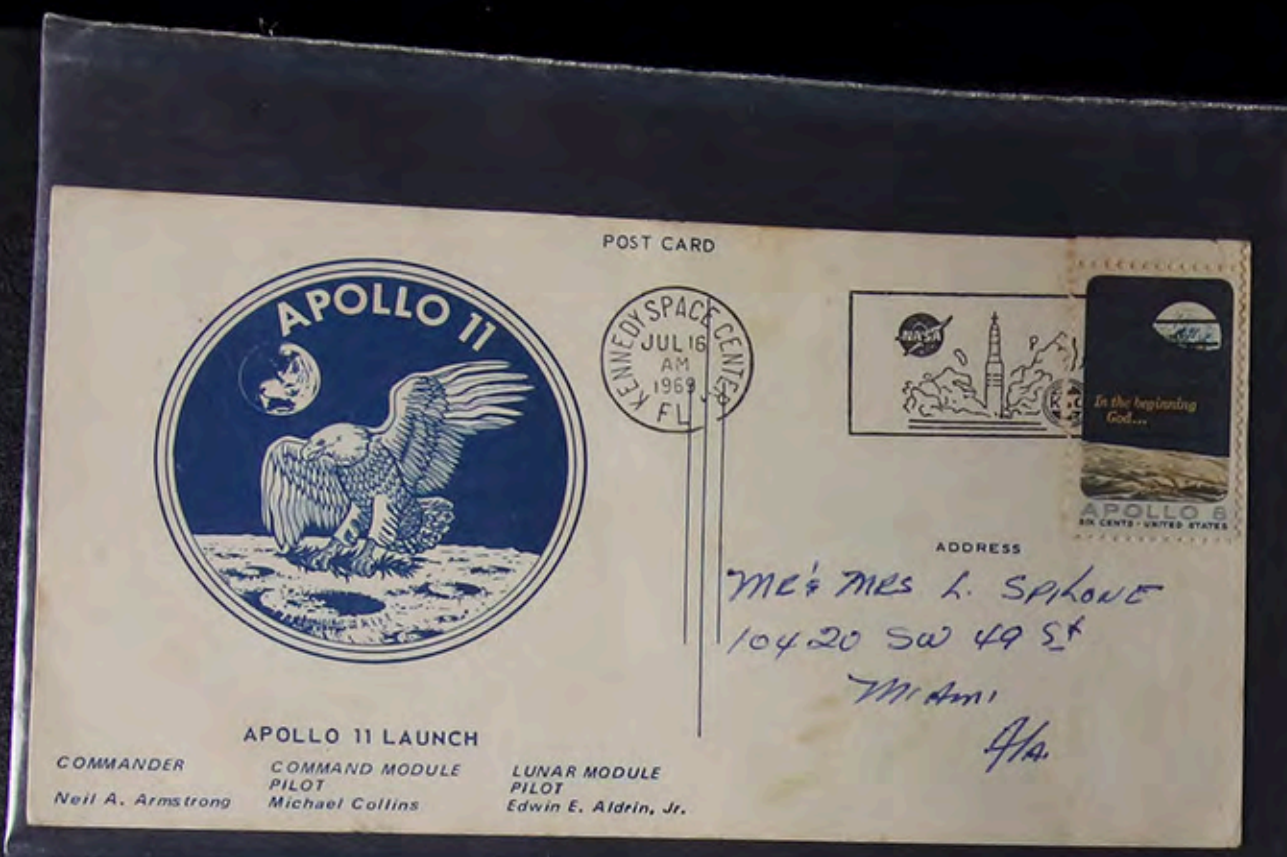
APOLLO 11

folio-print



LEAVING FOR THE MOON

Today - Wednesday, July 16th, 1969 at 9:32 AM
 Apollo 11 with Astronauts Neil Armstrong, Edwin Aldrin, Jr. and Michael Collins lifted-off from Cape Canaveral and 12 minutes later were in a circular 119 mile orbit. Just 2½ hours after lift-off the Apollo 11 was on it's way to the moon.





LIFTOFF - Apollo 11 - Moon Landing Mission
Armstrong - Aldrin - Collins
NASA LOCAL POST - FIRST DAY OF ISSUE
Space City Cover Society



NASA LOCAL POST
JUL 16 1969



MAN'S FIRST LUNAR LANDING
EAGLE ON THE MOON

July 20, 1969



Man on Moon



FIRST MAN ON THE MOON



APOLLO 11

ASTRONAUT EDWIN ALDRIN

Man's First Moon Landing





FIRST MEN ON THE MOON
folio-print



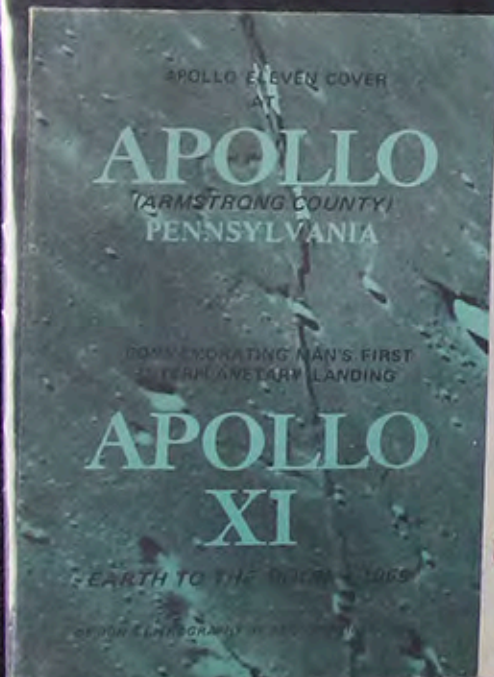
Mr. Charles C. Barnes
 6558 Vivian
 Arvada, Colorado

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".

APOLLO 11 SEPARATION



LM (EAGLE) LEAVES FOR MOON.



*Mr James Buchanan
 1/2 Liberty Merrow
 3rd Ave
 Brackenridge Pa*

Apollo XI Moon Landing

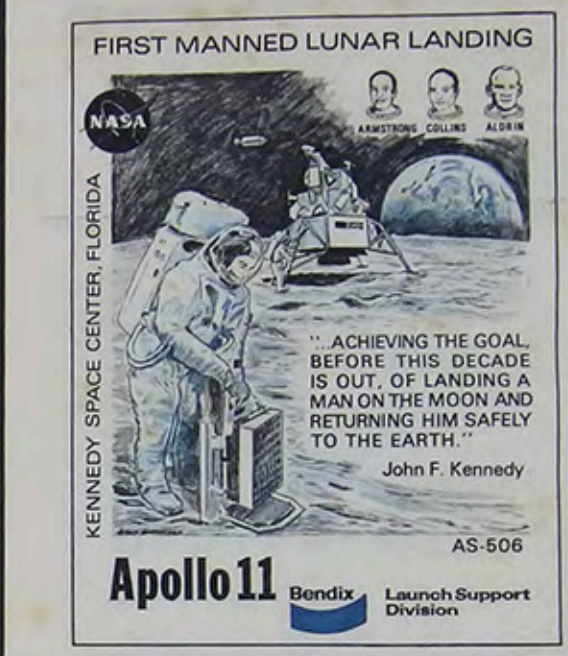
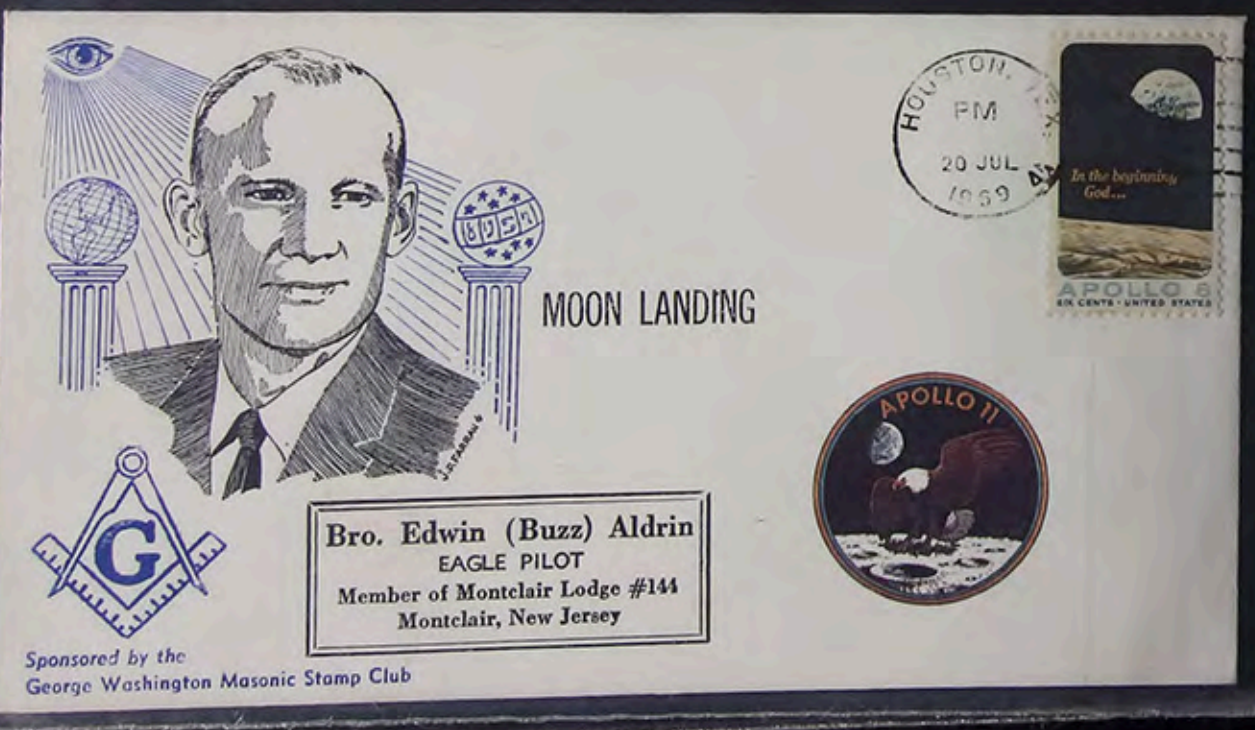


APOLLO 11 ASTRONAUT ALDRIN
 STANDS STIFFLY AT ATTENTION
 WITH U.S. FLAG WHILE ON
 SURFACE OF THE MOON DURING
 PRESIDENT NIXON'S TELEPHONE
 CALL OF CONGRATULATION.





PLAQUE LEFT ON THE MOON—JULY 20, 1969



R. W. Johnson
Box 791
Cape Canaveral
FLA. 32930



U.S. Triumph in Outer Space
ASTRONAUTS ARMSTRONG AND ALDRIN
Landed as First Men on Moon July 20, 1969.



ASTRO
COVERS

PROJECT APOLLO



NEIL A. ARMSTRONG



MICHAEL COLLINS



EDWIN E. ALDRIN, JR.



FIRST MANNED LUNAR LANDING

Dow-Unicover



HERITAGE/CT
P.O. Box
Titusville, Fla. 32780



APOLLO 11 RETURNS TO EARTH
Today - Thursday, July 24th, 1969 at 12:50 PM
Apollo 11 Astronauts Armstrong, Aldrin and Collins
landed 14 miles from the recovery ship USS Hornet.
President Nixon on board the Hornet, watched the
recovery and later talked to the Astronauts in
their isolation chamber.



RECOVERY CONTROL CENTER, ATLANTIC



NEIL A. ARMSTRONG EDWIN E. ALDRIN, JR. MICHAEL COLLINS

1st Moon Landing By Man.
Recovery by USS HORNET CVS-12.
July 24, 1969, 950 Mi. SW of Hawaii.

Apollo 11
FLIGHT
 SPLASHDOWN - JULY 24, 1969
 Back Home from the MOON
 MISSION SUCCESS
 ASTRONAUTS
 Neil Armstrong
 Edwin F. Aldrin Jr.
 Michael Collins
 Hurrah for
 U.S.A.



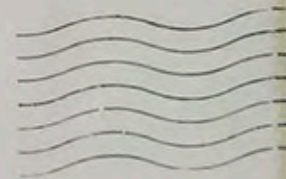
Cape Canaveral FL
 JUL 24 PM 1969
 32920

APOLLO

MANNED
 LUNAR
 LANDING

AS
 506

U.S. AIR MAIL
 -11-
 JUL 24
 -AM
 1969
 COVS



**U. S. NAVY
 RECOVERY
 FORCE**

PACIFIC

Mrs. T. Karcher
 22 Manor Cir. #102
 Takoma Park, Md.
 20912

APOLLO -11-

AS
 506

MANNED
 LUNAR
 LANDING

**U. S. NAVY
 RECOVERY
 FORCE**

Atlantic

U S S
 JUL
 24
 A.M.
 1969
 OZARK (MCS-2)



F. L. KARCHER, JR.
 BX. 138A, RD. 4
 MT. TOP, PENNA. 18702



APOLLO -11-

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MANNED
 LUNAR
 LANDING

**U. S. NAVY
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U S S
 JUL 24
 A.M.
 1969
 OZARK (MCS-2)

RICHARD K. MALAMPHY
 174 NORMANDY HILL DRIVE
 ALEXANDRIA, VIRGINIA 22304



U S S
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NEW (DD-818)



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LANDING
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1969
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Mrs. T. Carcich
22 Manor Cir. #102
Takoma Park, Md.
20012

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LUNAR
LANDING

U S S HORNET
JUL 24
1969
AS
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LANDING

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U S S HORNET
JUL 24
1969
AS
506



LA PIANA
104 Broadmore Lane
East Syracuse, N. Y. 13057

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LANDING

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U. S. NAVY
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FORCE



Mrs. L.D. Van Valkenburgh, Jr.,
13002 Camellia Drive,
Silver Springs,
20906.



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-11-

MANNED
LUNAR
LANDING

AS
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U. S. NAVY
RECOVERY
FORCE
RICHARD K. MALAMPHY
174 NORMANDY HILL DRIVE
ALEXANDRIA, VIRGINIA 22304



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MANNED
LUNAR
LANDING



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Miss Lillian Steele
3746 Granden Road
Columbus Ohio
43214

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MANNED
LUNAR
LANDING



U. S. NAVY
RECOVERY
FORCE

Atlantic

RAYMOND ROCCA
400 Linden Lane
Falls Church, Virginia

"ONE SMALL STEP FOR MAN;
ONE GIANT LEAP FOR MANKIND"



CAPT. THURMOND E. ROBERTSON
1800 VIA AMALFI
WINTER PARK, FLORIDA
32789

COMMANDER
Neil A. Armstrong

COMMAND MODULE
PILOT
Michael Collins

LUNAR MODULE
PILOT
Edwin E. Aldrin, Jr.

DAY ONE YEAR ONE



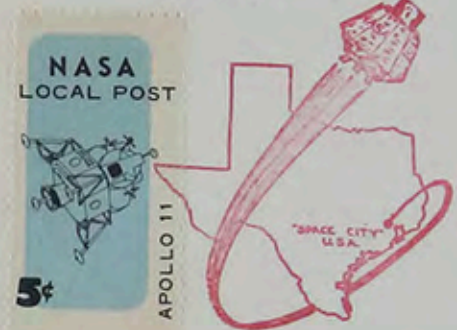
MAN WALKS UPON THE SURFACE OF THE MOON.



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



APOLLO 11 - FIRST MAN ON THE MOON
NEIL ARMSTRONG
Space City Cover Society



NASA LOCAL POST
JUL 20 1969

NEIL ARMSTRONG
THE WORLD'S FIRST



WAPAKONETA, OHIO

SALUTES HER SON



PR
FO
PEA



Kenneth W. Muering
4800 So. 39th St.
Greenfield, Wi. 53221

UPPER MIAMI VALLEY STAMP CLUB
745 S. Downing St., Piqua, Ohio 45336

FIRST DAY OF ISSUE

MAN'S FIRST LANDING ON THE MOON

WAPAKONETA OHIO SEP 6 AM 1969

HOMETOWN OF
NEIL ARMSTRONG
FIRST MAN ON MOON

3c U.S. POSTAGE

3c UNITED STATES POSTAGE

APOLLO 11 ASTRONAUTS
ARMSTRONG - COLLINS - ALDRIN

*One Small Step For A Man
One Giant Leap For Mankind*

WAPAKONETA OHIO SEP 14 PM 1969

10c UNITED STATES

FIRST MAN ON THE MOON

NEIL ARMSTRONG
COL. EDWIN A. ALDRIN, JR.
LT. COL. MICHAEL COLLINS
ASTRONAUTS

THE GOODYEAR DIRIGIBLE COLUMBIA (N2A)
FLEW THIS COVER SEPTEMBER 5
AKRON-WAPAKONETA, OHIO FOR
NEIL ARMSTRONG HOMECOMING
SEPTEMBER 6, 1969

WAPAKONETA OHIO SEP 6 AM 1969

HOMETOWN OF
NEIL ARMSTRONG
FIRST MAN ON MOON

HOMETOWN OF ASTRONAUT
NEIL ARMSTRONG

WAPAKONETA
ON INTERSTATE 75 AND OHIO 33
AN EXCELLENT LOCATION

SUPPORT WAPAKONETA AREA THRU
CHAMBER OF COMMERCE

In the beginning
God...

APOLLO 8
SIX CENTS - UNITED STATES

HOMETOWN OF ASTRONAUT
NEIL ARMSTRONG

WAPAKONETA
ON INTERSTATE 75 AND OHIO 33
AN EXCELLENT LOCATION

SUPPORT WAPAKONETA AREA THRU
CHAMBER OF COMMERCE

WAPAKONETA OHIO SEP 6 AM 1969

HOMETOWN OF
NEIL ARMSTRONG
FIRST MAN ON MOON

6c UNITED STATES

JOHN F. KENNEDY SPACE CENTER



CHARLES CONRAD, JR. RICHARD F. GORDON, JR. ALAN L. BEAN



OCEAN OF STORMS



COMMANDER
Charles Conrad, Jr.

COMMAND MODULE PILOT
Richard F. Gordon, Jr.

LUNAR MODULE PILOT
Alan L. Bean



APOLLO-12



JOHN F. KENNEDY SPACE CENTER
FLORIDA



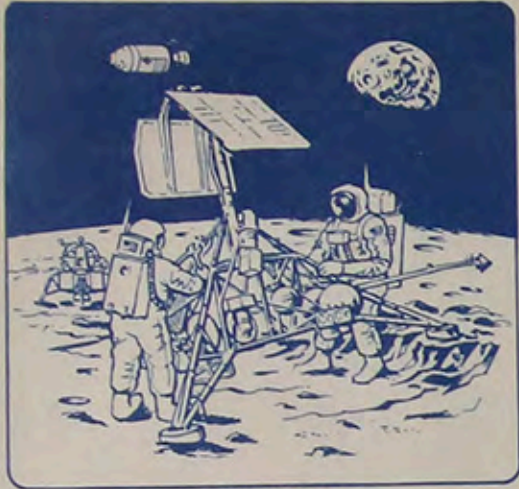
Apollo 12

folio-print

APOLLO 12 LAUNCH TO THE MOON
November 14th, 1969 - Apollo 12 - with Astronauts Conrad, Bean and Gordon - broke through the top of the storm clouds at about 23,000 feet and 11 1/2 minutes after blast off, the three engines of the giant Saturn 5, the most powerful rocket built, put the Apollo 12 in earth orbit some 100 miles high. At 2:09 pm the third stage fired again, sending the Apollo 12 on the way to its planned landing on the eastern shore of the Ocean of Storms.

LAUNCH OF APOLLO 12
KENNEDY SPACE CENTER, FL. 32899

POST CARD



COMMANDER
Charles Conrad, Jr.

COMMAND MODULE PILOT
Richard F. Gordon, Jr.

LUNAR MODULE PILOT
Alan L. Bean



HOPE FOR
EPILL... SY F...
BY AM...



APOLLO 8
SIX CENTS - UNITED STATES

ADDRESS

J.R. Baker W4LR
1402 Orange Street
Melbourne Beach
Florida 32951

1210 No. Frederick street
Arlington Va. 22205



FIRST MAN ON THE MOON

THE MANNED SPACEFLIGHT COVER SOCIETY
Commemorates



APOLLO 8
SIX CENTS - UNITED STATES

MANNED SPACEFLIGHT
COVER SOCIETY
1915 COMMONWEALTH ST.
HOUSTON, TEXAS 77006

APOLLO 12



2nd MOON LANDING



FIRST MAN ON THE MOON

ALAN BEAN
RICHARD GORDON
APOLLO XII
CHARLES CONRAD

FIRST EXPLORATION
OF A MOON CRATER

BLAST OFF

CAPE CANAVERAL, FL
NOV 14
AM
1969
0262E

10c
AIR MAIL
UNITED STATES

U.S. AIR MAIL
NOV 14 1969

CLUB OF COLLECTORS
COLLECTOR
P. O. BOX 400
MADISON SQUARE STA.
NEW YORK, N. Y. 10010

U.S.A.
MAN IN SPACE

APOLLO XII

KENNEDY SPACE CENTER, FL
NOV 14
A.M.
1969

10c
UNITED STATES

FIRST MAN ON THE MOON

NASA LOCAL POST - FIRST DAY OF ISSUE
Space City Cover Society

LIFTOFF - Apollo 12
Alan L. Bean
Charles Conrad
Richard F. Gordon Jr.

HOUSTON TX
AM
14 NOV
1969

6c
UNITED STATES

NASA LOCAL POST
APOLLO 12
5c

NASA LOCAL POST
NOV 14 1969

APOLLO XII
Conrad • Gordon • Bean

KENNEDY SPACE CENTER, FL
NOV 14
A.M.
1969

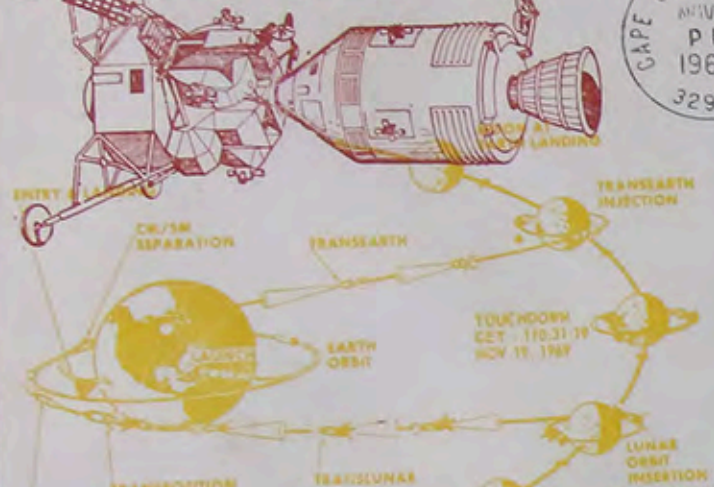
6c
UNITED STATES

In the beginning
God...

APOLLO 8
SIX CENTS • UNITED STATES

CKM

APOLLO 12



Apollo-12 Entered Moon Orbit Nov. 17, 1969
With Intrepid & Yankee Clipper For The Second Moon
Landing By American Astronauts Nov. 19, 1969.



Pete Conrad, Dick Gordon and Alan Bean

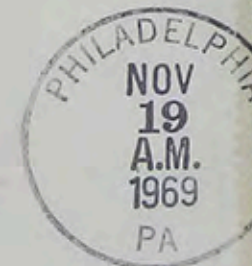
5738



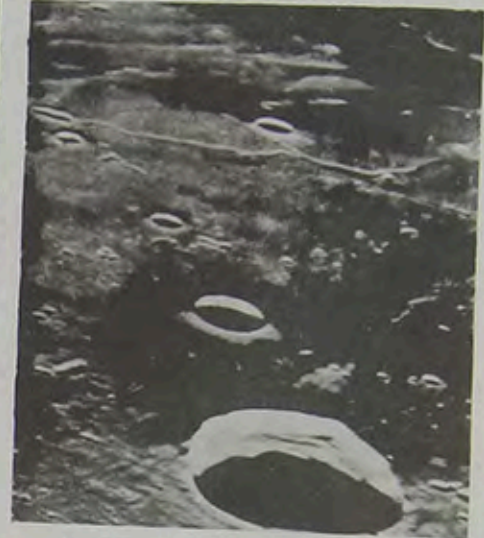
Conrad

Phila.'s Astro
 Charles Conrad Jr.

MOON WALKS
 NOV. 19-20



APOLLO 11 ASTRONAUTS BLAST OFF MOON



Authentic photo, take-off
 from upper center of site.



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



Man on the Moon

folio-print



APOLLO 12 MOON LANDING
 November 19th, 1969 - Astronauts Conrad and Bean proved that a manned space craft could be guided to an exact point of landing on the moon by bringing down their lunar module "Intrepid" just 600 feet from the designated target. A few hours later the two Astronauts were walking on the lunar surface becoming the third and fourth man to walk on the moon.



2ND MOON LANDING



MANNED SPACEFLIGHT COVER SOCIETY
1915 COMMONWEALTH ST.
HOUSTON, TEXAS 77006



ON TO SECOND MANNED MOON LANDING.
SEPARATION IN SPACE AS INTREPID WITH
COMDRS. CHARLES CONRAD, JR. AND ALAN
L. BEAN LEAVE THE YANKEE CLIPPER AS
COMDR. RICHARD F. GORDON, JR. LOOKS ON.

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



Men On The Moon



APOLLO 12 MOON LANDING - HOUSTON SPACE CENTER
November 19th, 1969 - 1:54 am - just 4 1/2 days after they
blazed away from earth - Apollo 12 Astronauts Charles Conrad
and Alan Bean - in their lunar module "Intrepid" - touched
down on the moon and hours later Charles Conrad became the
third man to walk on the lunar surface and minutes later
Alan Bean became the fourth.

ALAN BEAN
 RICHARD GORDON
 APOLLO XII
 CHARLES CONRAD

CAPE CANAVERAL, FL
 NOV 19
 AM
 1969
 32920

10c
 AIR MAIL
 UNITED STATES
 FIRST-MAN-ON-THE-MOON

FIRST EXPLORATION
 OF A MOON CRATER

MOON LANDING

CLUB OF UNITED NATIONS
 COLLECTORS
 P. O. BOX 400
 MADISON SQUARE STA.
 NEW YORK, N. Y. 10010

CAPE CANAVERAL, FL
 NOV 19
 AM
 1969
 32920

10c
 AIR MAIL
 UNITED STATES
 FIRST-MAN-ON-THE-MOON

APOLLO XII MOON LANDING
 NOVEMBER 19, 1969 — When Americans land on Mars,
 historians will say the journey really began this day!

A 100-year-old wood-cut from
 Jules Verne's novel, "From the
 Earth to the Moon", showing
 the 1868 spaceship arriving at
 launch site.

Kenmore Stamp Company
 Milford, New Hampshire 03055

Commemorating
 AMERICA'S SECOND MANNED
 LANDING ON THE MOON — AND
 FIRST STEP ON OUR WAY TO MARS!

APOLLO 12 November 20, 1969
 WALK TO SURVEYOR

CAPE CANAVERAL, FL
 NOV 20
 AM
 1969
 32920

In the beginning
 God...

APOLLO 8
 SIX CENTS - UNITED STATES

Conrad and Bean make a second excursion
 from the LM, walking 600 feet to
 SURVEYOR 3 which landed on the
 moon in 1967

THE MANNED SPACEFLIGHT COVER SOCIETY
 Commemorates

HOUSTON, TEX.
 NOV 20
 AM
 1969

6c

THE SECOND MANNED LUNAR LANDING MISSION
 ★ Conrad ★ Gordon ★ Bean ★
 "YANKEE CLIPPER" APOLLO 12 "INTREPID"

MANNED SPACEFLIGHT
 COVER SOCIETY
 1915 COMMONWEALTH ST.
 HOUSTON, TEXAS 77006

LAUNCH 11-14
Carrying six experiments




ALAN BEAN *Left Panel*



PETE CONRAD *Chief Panel*



R. GORDON

Apollo Twelve




Landing near Surveyor 11-19-69

MOON LIFT-OFF 11-20
Re-entry 11-24







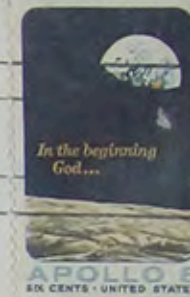



UNITED STATES






APOLLO 12 MOON-WALK

ASTRONAUTS CHARLES CONRAD Jr. AND ALAN BEAN BEGIN A FOUR HOUR WALK ON THE MOON DEPLOYING EXPERIMENTS AND COLLECTING ROCKS. NOV. 19, 1969

APOLLO'S CREW SPLASHES DOWN IN PACIFIC 3 MILES FROM SHIP, ENDING 10-DAY TRIP TO THE MOON

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

Triumphant Return to Earth
folio-print

APOLLO 12 SPLASHDOWN
November 24th, 1969 - Blasting off the moon - Astronauts Conrad and Bean took with them 90 pounds of moon rocks and the T.V. from the Surveyor 3 satellite. After meeting and docking with the command module "Yankee Clipper" the three US Astronauts were on their way home and with the same accuracy as when it started they ended the 10 day flight in the Pacific Ocean just 3.1 miles from the recovery ship the U.S.S. Hornet.



SPLASHDOWN

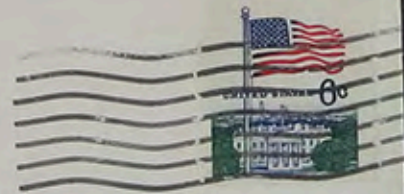


APOLLO'S CREW SPLASHES DOWN
IN PACIFIC 3 MILES FROM SHIP,
ENDING 10-DAY TRIP TO THE MOON

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



THE MANNED SPACEFLIGHT COVER SOCIETY
Commemorates



MANNED SPACEFLIGHT
COVER SOCIETY
1915 COMMONWEALTH ST.
HOUSTON, TEXAS 77006



2nd Moon Landing By Man.
Recovery by USS HORNET CVS-12.
November 24, 1969 404 Mi. SE American Samoa

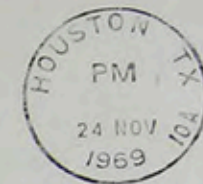
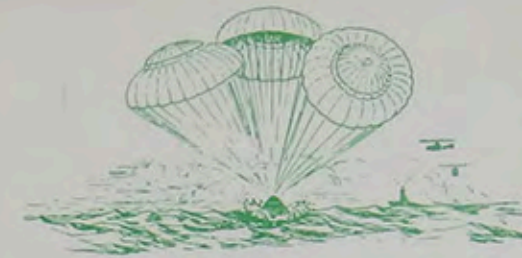


Pete Conrad, Dick Gordon and Alan Bean

SPLASHDOWN
3.58-P.M.ETS



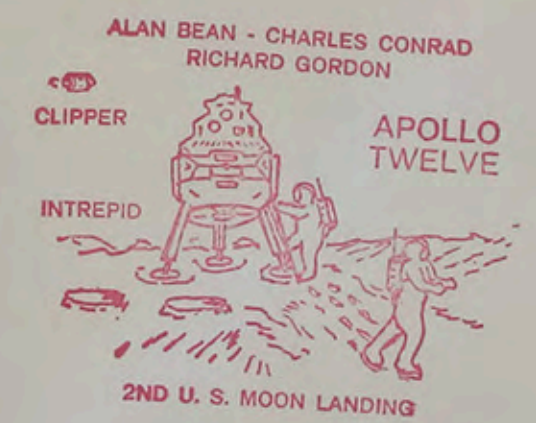
RECOVERY CONTROL CENTER, ATLANTIC



SPLASHDOWN - Apollo 12 - Mission Completed
Space City Cover Society



NASA LOCAL POST
NOV 24 1969



Box 596, Rockledge, Fl.

APOLLO 12

Manned Lunar Landing

ATLANTIC

U.S. NAVY RECOVERY FORCE

U.S.S. NOV 24 P.M. 1969

10c AIR MAIL

FIRST MAN ON THE MOON

UNITED STATES

APOLLO 12

Manned Lunar Landing

ATLANTIC

U.S. NAVY RECOVERY FORCE

U.S.S. NOV 24 P.M. 1969

AUSTIN (LPD-4)

6c U.S. POSTAGE

U.S. NAVY RECOVERY FORCE

THOMAS F. McGRATH
804 PARK AVE.
ALBANY, N. Y. 12208

APOLLO 12

Manned Lunar Landing

PACIFIC

U.S. NAVY RECOVERY FORCE

U.S.S. NOV 24 P.M. 1969

10c AIR MAIL

FIRST MAN ON THE MOON

UNITED STATES

APOLLO 12

Manned Lunar Landing

ATLANTIC

U.S. NAVY RECOVERY FORCE

U.S.S. NOV 24 P.M. 1969

AUSTIN (LPD-4)

6c U.S. POSTAGE

U.S. NAVY RECOVERY FORCE

RICHARD K. MALAMPHY
174 NORMANDY HILL DRIVE
ALEXANDRIA, VIRGINIA 22304



Apollo Splashdown



APOLLO 12 SPLASHDOWN - NOVEMBER 24th, 1969
After collecting 90 pounds of carefully selected moon rocks and removing the T.V. from Surveyor 3 - Astronauts Conrad and Bean blasted off the moon for a meeting and docking with the command module "Yankee Clipper" piloted by Gordon. In a testament of accuracy of the Apollo program - the Apollo 12 ten day flight ended in the Pacific Ocean just 3.1 miles from the recovery ship the U.S.S. Hornet.

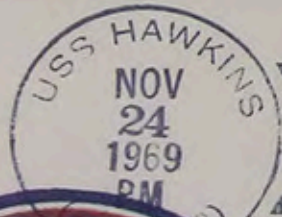
APOLLO 12

Manned Lunar Landing

ATLANTIC



U.S. NAVY RECOVERY FORCE



SPLASHDOWN - Apollo 12 - Mission Completed
Space City Cover Society

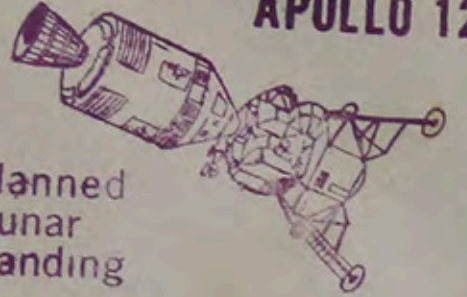


NASA LOCAL POST
NOV 24 1969




RICHARD K. MALAMPHY
174 NORMANDY HILL DRIVE
ALEXANDRIA, VIRGINIA 22304

APOLLO 12



Manned Lunar Landing
PACIFIC



U.S. NAVY RECOVERY FORCE

10c AIR MAIL
FIRST MAN ON THE MOON
UNITED STATES

VIA AIR MAIL

U.S.S. HORNET
NOV 11
1969
CVS-12

LCL John E. Pokorny,
3111 Middlebury Lane,
Birmingham, Michigan. 48010



UPPER DARBY
JUL 20
PM
1969

4c U.S. MAN IN SPACE
PROJECT MERCURY


4c U.S. MAN IN SPACE
PROJECT MERCURY

J. Stanley Schmidt
Decatur Road
Havertown, Pennsylvania 19083

UPPER DARBY
PA
JUL 20
1969

WAPAKONETA, OH
NOV 4
AM
1969
45895

HOMETOWN OF
NEIL ARMSTRONG
FIRST MAN ON MOON



FIRST MAN ON THE MOON
UNITED STATES

OHIO'S Famous FIRSTS

- NEIL A. ARMSTRONG
WAPAKONETA
First to the Moon
- THOMAS A. EDISON
MILAN
First in Light
- JOHN A. GLENN, JR.
NEW CONCORD
First in Space
- WRIGHT BROTHERS
DAYTON
First in Air

Boerger
ABC

Arthur Hecht
704 Fern Place.,
Washington, D.C. 20012

MOON LANDING USA - ONE SMALL STEP FOR MAN - ONE GIANT LEAP FOR MANKIND



WAPAKONETA, OH
DEC 5
AM
1969
45895

10c
FIRST MAN ON THE MOON
UNITED STATES

COMMEMORATING
FIRST MEN
ON THE MOON
APOLLO 11
JULY 20, 1969

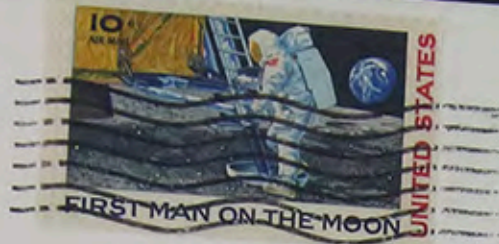
ASTRONAUTS
ARMSTRONG
COLLINS
ALDRIN



Reelwood
FIRST DAY OF ISSUE

C 728
4 118

MOON LANDING USA - ONE SMALL STEP FOR MAN - ONE GIANT LEAP FOR MANKIND



COMMEMORATING
FIRST MEN
ON THE MOON
APOLLO 11
JULY 20, 1969

JAMES L. WILSON, M.D.
726 BROADWAY
SEATTLE, WASH. 98122

*8



*Commemorating Man's first flight, at Kitty Hawk
and Man's first visit to the Moon.*

FRED W. HAISE - JAMES A. LOVELL
JOHN L. SWIGERT, JR.

ODYSSEY
AQUARIUS
3RD U.S.
MOON
LANDING



APOLLO THIRTEEN



D. L. F.
Box 1
Rockledge,
Fla. 32955

APOLLO THIRTEEN



EX LUNA, SCIENTIA APOLLO XIII
Successful take off April 11, 1970
from Canaveral with astronauts Lovell,
Haise and Swigert aboard. The prayers
of the world go with them.

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

KNOWLEDGE FROM THE MOON



252

CKM

APOLLO
13
MOON TRIP



KENNEDY SPACE CENTER
APR 11
P.M.
1970



APOLLO 13
SPACE
EXPLOSION



CAPE CANAVERAL, FL
APR 13
P.M.
1970
32920



EXPLOSION IN SPACE
Apollo 13 while on route to the
Moon has major disaster Oxygen
tanks in main spacecraft rupture
at 10:08 P.M. April 13, 1970.

10:08 P.M.
APRIL 13,
1970

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PORT WASHINGTON
L.I., NEW YORK 11050

JOHN F. KENNEDY SPACE CENTER



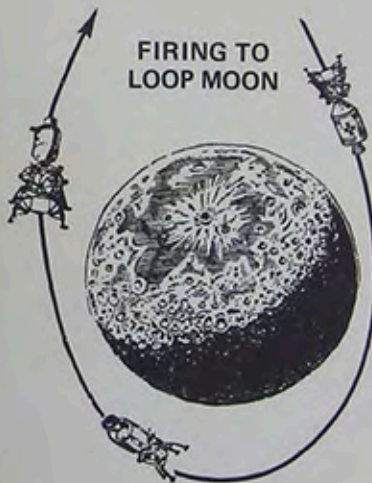
JAMES A. LOVELL, JR. THOMAS K. MATTINGLY II FRED W. HAISE, JR.

KENNEDY SPACE CENTER
APR 11
P.M.
1970



APRIL 13, 10:21 EST
"WE HAVE A PROBLEM UP HERE!"
MISSION ABORTED

FIRING TO
LOOP MOON



CAPE CANAVERAL, FL
APR 14
P.M.
1970
32920



CREW OF CRIPPLED APOLLO 13 STARTS BACK
AFTER ROUNDING MOON AND FIRING ROCKET;
MEN APPEAR CALM DESPITE LOW RESERVES

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



April 14, 1970
Apollo 13 Aborts
mission to land
on moon



Moon Landing mission Aborted
after unexplained explosion in
space craft. Lovell, Haise and
Swigert fire LM engine in self
rescue attempt.

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



Apollo 13 Moonlanding



Monday nite, April 13, after 54 hours of flight time, Apollo 13 was in grave danger. A loud bang was heard and a critical oxygen leak was detected. Power failure followed and Lovell and Haise moved quickly into the lunar module "Aquarius". Mission Swigert remained alone in the darkened command module, "Odyssey". Mission control at Houston ordered all possible power shut down and a make-shift air cleansing device set up. Critical decisions had to be made immediately. The Aquarius served as a life boat for the crew. Moon orbit occured Tuesday nite April 14th. While Apollo 13 was looping the backside of the moon, 60 miles away, the L. M. engine was fired at 9:38 P.M. to put them in a free return trajectory. This was the gravest crisis during 9 years of American space flight. Although moon landing was aborted the safe return of 3 brave men from far outer space was quite a scientific feat.



APOLLO 13 LANDS IN PACIFIC
HOME SAFE. . . April 17 Friday
1970 Haise, Lovell and Swigert
splash down and board the IWO JIMA

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



Apollo 13 Splashdown



SPLASHDOWN - Friday at 7:07 A.M. April 17th, six hours before heading home, still had one more course correction. Apollo 13, crippled and 7:53 A.M. Friday. This put the ship on exact course for splashdown. At 8:23 A.M. the service module "Odyssey" was jettisoned and photographed with regret. Lovell said, "Farewell! Aquarius, and we thank you." Swigert adding "She sure was a good ship." Re-entry period began at 12:51 P.M. and white chutes sited at 10,000 feet. The weather was balmy and sunny, splashdown was perfect. U.S.S. two Jima, was about 4 miles away. Frog men on hand aided the helicopter pick-up of the crew. Landing on the carrier deck the 3 astronauts looked tired but happy. With bowed heads the ship's chaplain thanked God for their safe return. So ends the disappointing but miraculous trip of Apollo 13.

APOLLO
-13-
PACIFIC



U S S
APR
17
A
1970
MA (LF)



APOLLO
-13-
ATLANTIC



U S S
APR
17
PM
1970
NEW (DD-813)



APOLLO
-13-
PACIFIC



U S S
APR
17
AM
1970
KAUAI HIWI



Mrs. Walter W. Mueller
Route 1
Bostla, N. C. 28018

INTELSAT - III



CAPE CANAVERAL FL
APR
22
PM
1970
32920





July 20, 1969
FIRST MANNED MOON LANDING



DOUBLE SHOT SHOWING APOLLO 11
BRAKING TO A LANDING.



D. L. F.
Box 1
Rockledge,
Fla. 32955



FIRST MAN ON THE MOON

JOHN F. KENNEDY SPACE CENTER



ALAN B. SHEPARD, JR. STUART A. ROOSA EDGAR D. MITCHELL



FIRST MAN ON THE MOON



SPACE EXPLORATION

ON TO THE MOON



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

FRA MAURO TRIP



ON TO THE MOUNTAINS OF THE MOON



TAKE OFF APOLLO 14
JANUARY 31, 1971

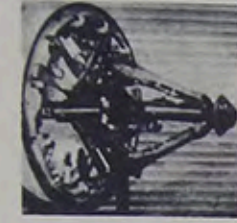
C. SARZIN
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L.I., NEW YORK 11050



"FINALLY AFTER SIX TRIES AT DOCKING A HARD LOCK WAS ESTABLISHED" (DOCKING MECHANISM DEPICTED)
C. SARZIN
PORT WASHINGTON
L.I., NEW YORK 11050



CAPE CANAVERAL, FL
FEB 2
PM
1971
32920



"FINALLY AFTER SIX TRIES AT DOCKING A HARD LOCK WAS ESTABLISHED" (DOCKING MECHANISM DEPICTED)

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



CAPE CANAVERAL, FL
FEB 4
PM
1971
32920



FEB. 4, 1971 APOLLO 14 SWINGS BEHIND THE MOON OUT OF RADIO CONTACT WITH THE EARTH AND GOES INTO LUNAR ORBIT

C. SARZIN
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L.I., NEW YORK 11050

Feb 3rd 1971
into the LM



CAPE CANAVERAL, FL
FEB 3
AM
1971
32920

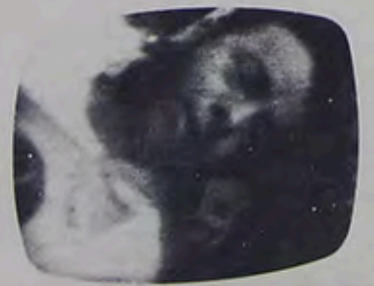
HONORING
U.S. SERVICEMEN

PRISONERS
OF WAR

MISSING AND
KILLED IN ACTION



Shepard climbs into the LM for testing..pic. from TV transmission from outer space



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



CAPE CANAVERAL, FL
FEB 4
PM
1971
32920



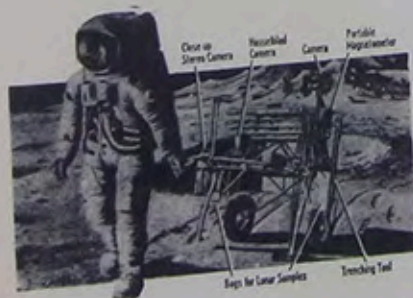
LANDING SHIP ANTARES FREE IN SPACE IN PREPARATION FOR MOON LANDING

C. SARZIN
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L.I., NEW YORK 11050



A-14 ASTRONAUTS MAKE
MINIATURE EARTH-QUAKES
AND OTHER EXPERIMENTS
ON THE MOON.

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



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

Commemorating
AMERICA'S FOURTH MANNED
MOON LANDING EXPEDITION



A century-old wood-cut from Jules Verne's novel, "From the Earth to the Moon": 1868 spaceship fires retro-rockets for lunar descent.



APOLLO XIV MOON LANDING
FEB. 5, 1971 — The Lunar Highlands mission led by Alan Shepard, America's first spaceman.

Kenmore Stamp Company
Milford, New Hampshire 03055



Capt. Alan B. Shepard Jr.,
descends to the surface of
the moon from LM Antares.

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PORT WASHINGTON
L.I., NEW YORK 11050



APOLLO 14 FIRST WALK
ON THE MOON



SCIENTIFIC TESTS IN THE
HIGHLANDS OF THE MOON



A-14 ASTRONAUTS MAKE
MINIATURE EARTH-QUAKES
AND OTHER EXPERIMENTS
ON THE MOON.



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

Feb. 6, 1971 APOLLO 14

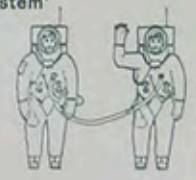


WALK ON MOON



The MET and a 'Buddy System'

To help the astronauts carry equipment on the moon, they have a MET or Modularized Equipment Transporter. Through their emergency "buddy system" one man can support the other when his cooling system fails.



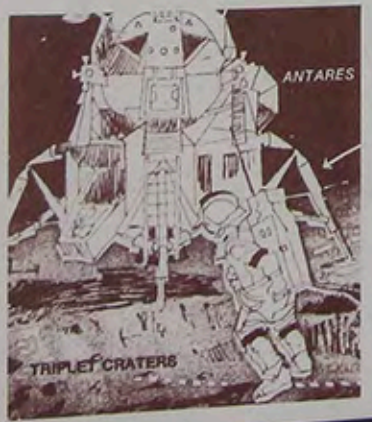
ASTRONAUTS TAKE 8,900 FOOT
WALK TO CRATER TOPPED HILL
AND COLLECT LUNAR SAMPLES

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

APOLLO 14



LANDS ON MOON
February 5, 1971



Capt. Alan B. Shepard Jr.,
descends to the surface of
the moon from LM Antares.

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



APOLLO 14 SEPARATION



LM ANTARES LEAVES
COMMAND SHIP KITTY HAWK



LANDING SHIP ANTARES FREE
IN SPACE IN PREPARATION FOR
MOON LANDING

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

BACK TO MOTHER EARTH



APOLLO 14 ASTRONAUTS
SPLASHDOWN IN THE
PACIFIC



SUCCESSFUL SPLASHDOWN...
END OF MISSION A-14 FOR
SHEPARD, ROOSA AND MITCHELL.

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

APOLLO 14

Pacific



Recovery
Force

U. S. NAVY



my Ellen Mathias
4 Porter St NW
#363C
Washington, DC 20016

SALUTING SPACE
ACHIEVEMENTS
SHEPARD-MITCHELL-ROOSA
AMERICANS IN SPACE
SPLASH-DOWN



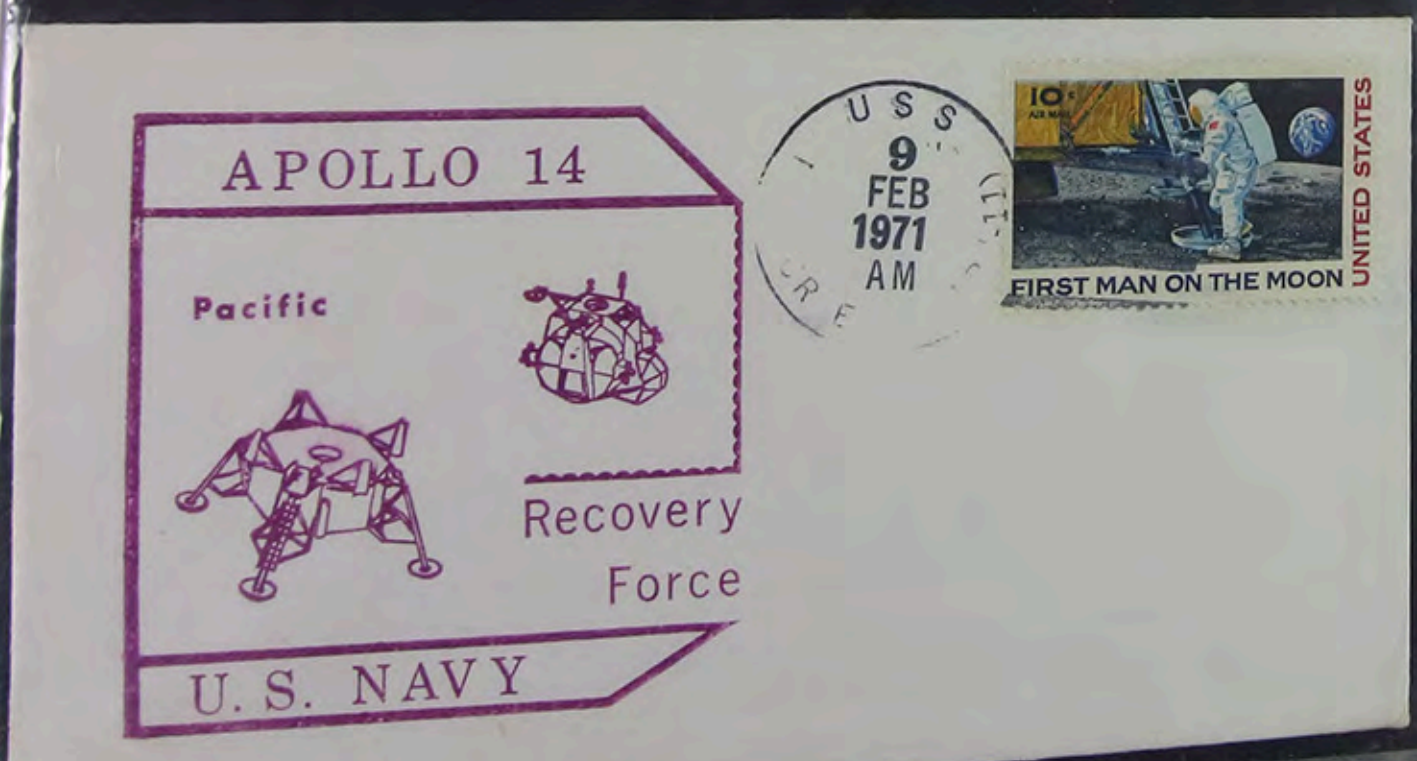
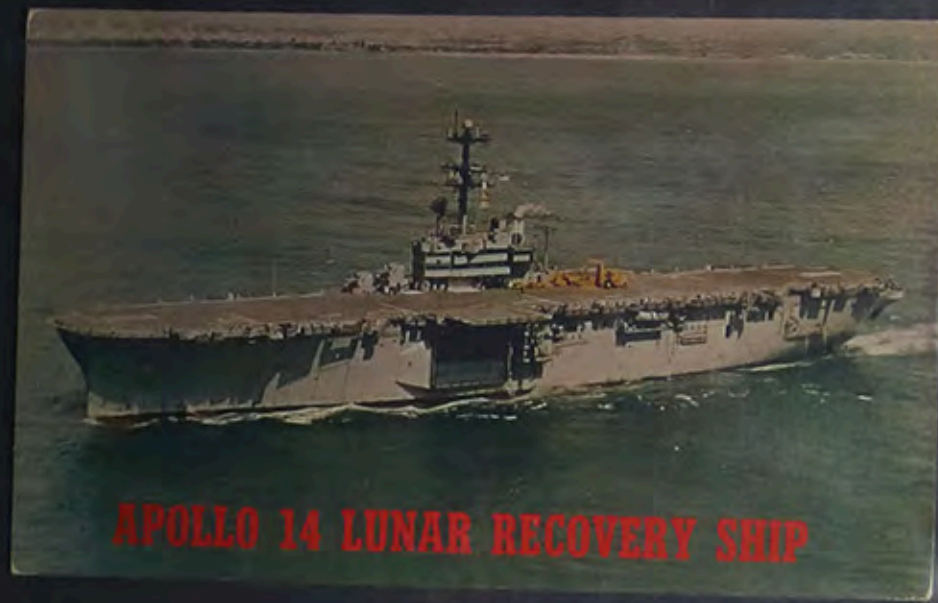
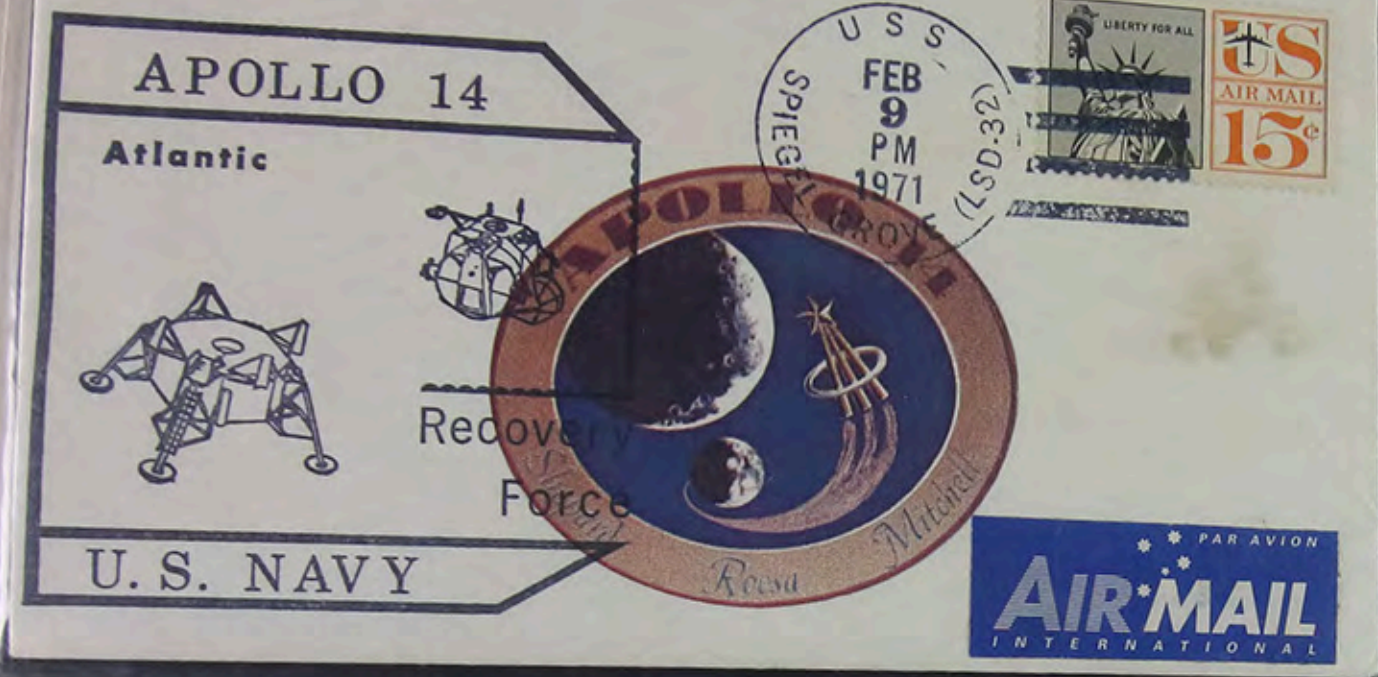
D. L. SCHNORR
87-82 89th PLACE
REGINALE 27, NEW YORK

NASA MANNED SPACECRAFT CENTER STAMP CLUB



OFFICIAL COMMEMORATIVE COVER







CAPE CANAVERAL, FL
JUL 20
P M
1969
32920



APOLLO - 15



KENNEDY SPACE CENTER, FL
AUG 2
1971



A DECADE OF ACHIEVEMENT
FIRST DAY OF ISSUE

FIRST POST OFFICE IN OUTER SPACE
HISTORIC 9:00 A.M. EST, AUGUST 2, 1971

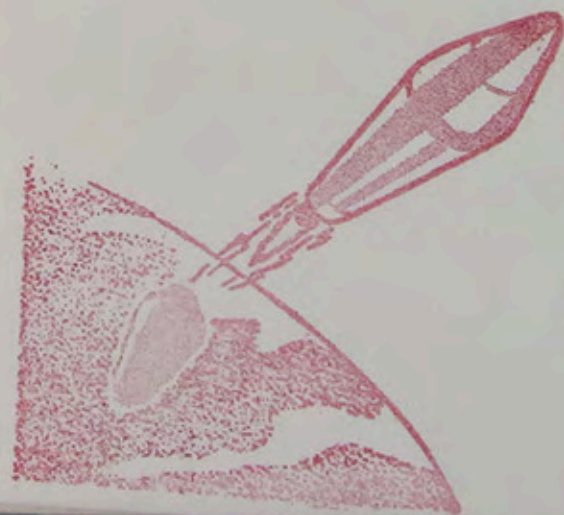
Astronaut David R. Scott opened the first U.S. Post Office in outer space by the Hadley Rille on the Moon.

The Astronaut stated, "I'm very proud to have the opportunity here to play postman and cancel this stamp. The date is August 2, 1971, FIRST DAY OF ISSUE right here by the Hadley Rille."

INTELSAT 2
CANARY BIRD

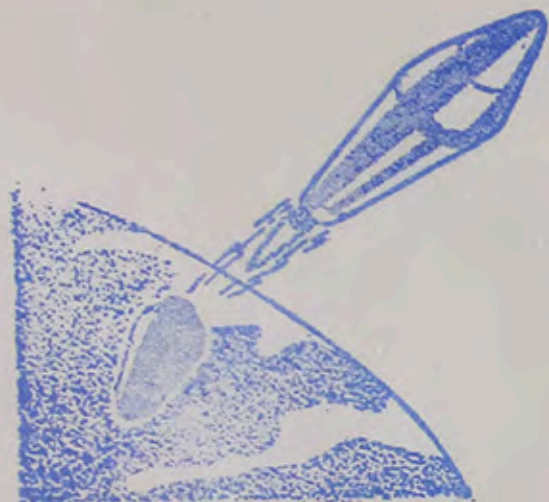


ATS 2
SATELLITE



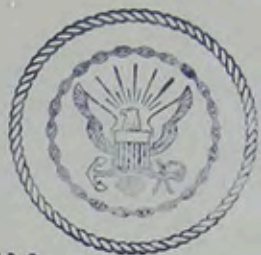
FIRST SPACE PROSPECTOR

SURVEYOR 3



APOLLO
unmanned
flight

AS
501

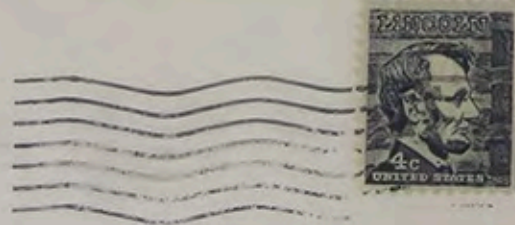


U. S. NAVY
RECOVERY
FORCE

ATLANTIC



Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042



SATELLITE toward
Polar Orbit
From.....
VANDENBERG
AIR FORCE
BASE

EXPLORER 34
NASA
IMP-F



APOLLO
unmanned
flight

AS
501



U. S. NAVY
RECOVERY
FORCE

ATLANTIC



Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042

APOLLO
unmanned
flight

AS
501




U. S. NAVY
RECOVERY
FORCE

PACIFIC

U.S.S. BENNINGTON,
NOV 9
-AM
1967
CVS-30

NEW YORK
WORLD'S FAIR
UNITED STATES POSTAGE
1964 • 1965
5¢

Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042

THE APOLLO TRAGEDY



Astronauts Grissom, White and Chaffee

PORT WASHINGTON
JAN
27
1967
N. Y.

The three-man crew of astronauts for the Apollo 1 mission, were killed today, in a flash fire, igniting the all oxygen atmosphere, in a simulated test aboard the huge spacecraft, designed to take the first Americans to the moon.

APOLLO
unmanned
flight

AS
501




U. S. NAVY
RECOVERY
FORCE

ATLANTIC

U S
NOV 9
A.M.
1967
JOSEPH P. KENNEDY JR. (D)

NEW YORK
WORLD'S FAIR
UNITED STATES POSTAGE
1964 • 1965
5¢

Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042

APOLLO
manned flight

3
man
flight

AP 204

Atlantic

U. S. Navy
Recovery Force

SPACE CENTER
NOV 9
AM
1967
FL

WE APPRECIATE
OUR SERVICEMEN




UNITED STATES
SAVINGS BONDS
25TH ANNIVERSARY 5c

APOLLO
 manned flight
 AP 204

 Atlantic
 U. S. Navy
 Recovery Force



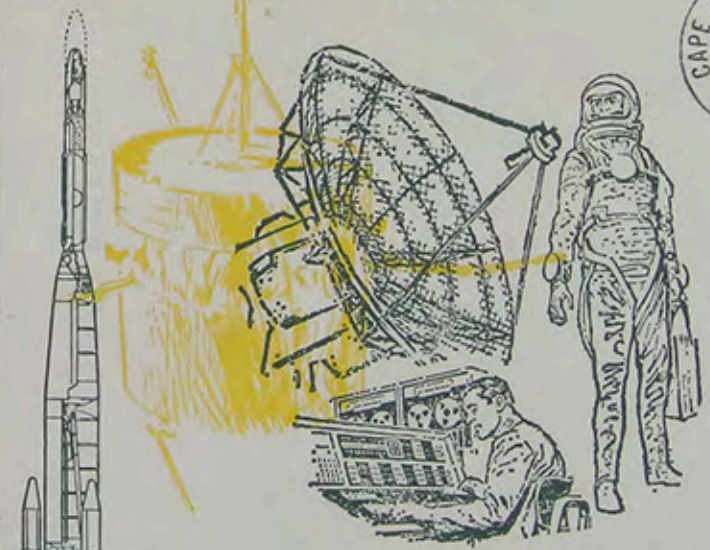
O'Neil
 2412 Audubon St
 New Orleans, La.
 70125

MASTER
 USNS VANGUARD (T-AGM 19)
 FPO NEW YORK 09501



O'Neil
 2412 Audubon St
 New Orleans, La.

APOLLO - PIONEER - 8



Interplanetary Radiation Test For Manned Space-flight — Sun Orbit
 Test & Training Commun. — 40 Lb. Sat. For 18 Station Apollo Tracking Network

APOLLO SATURN
 APOLLO-4

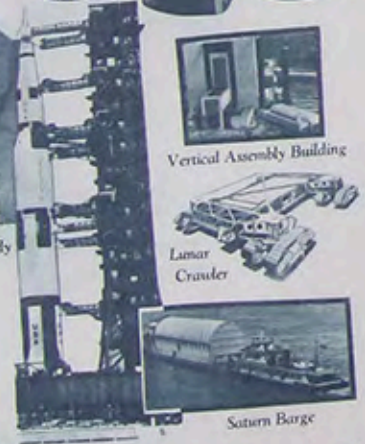


"A Manned Expedition
 To The Moon Will Be A
 Beginning Not An End"
 — John F. Kennedy



DR. WERNER VON BRAUN
 Space Pioneer

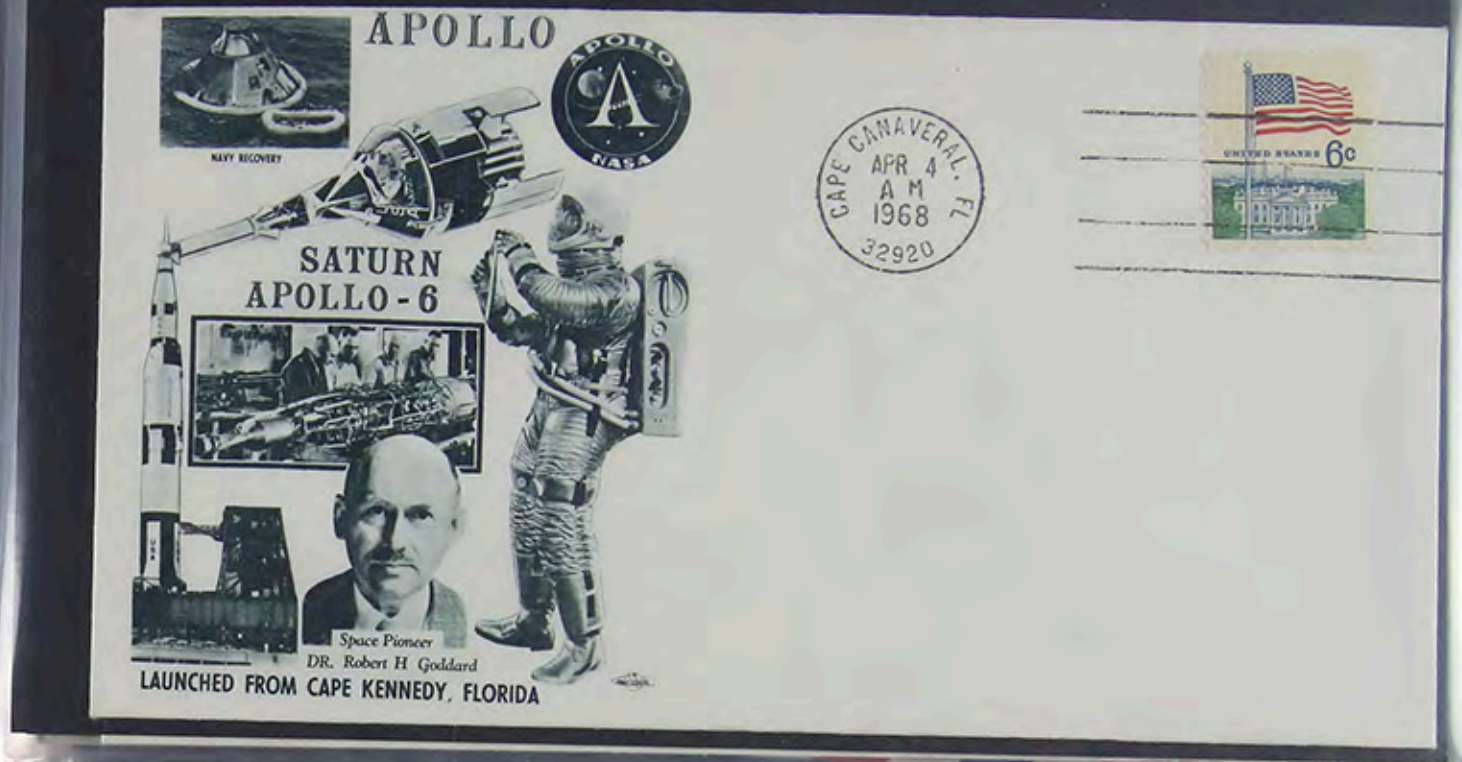
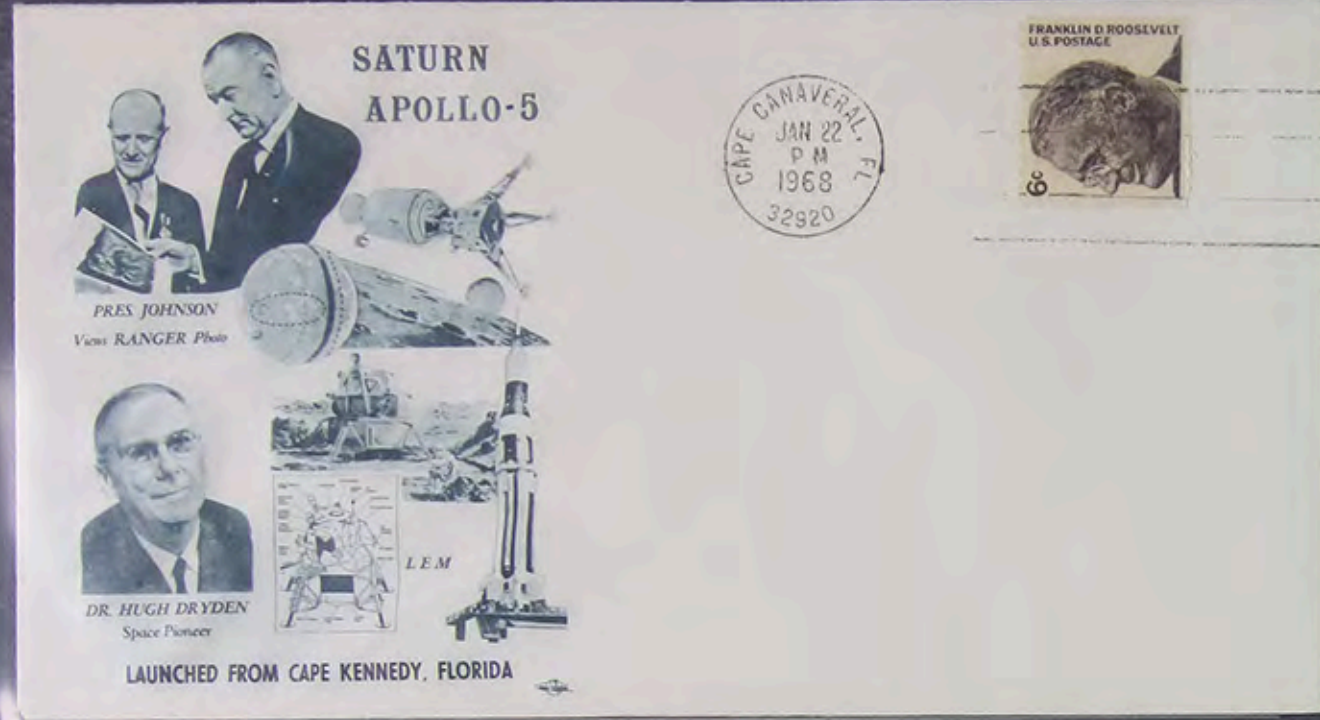
LAUNCHED FROM CAPE KENNEDY, FLORIDA

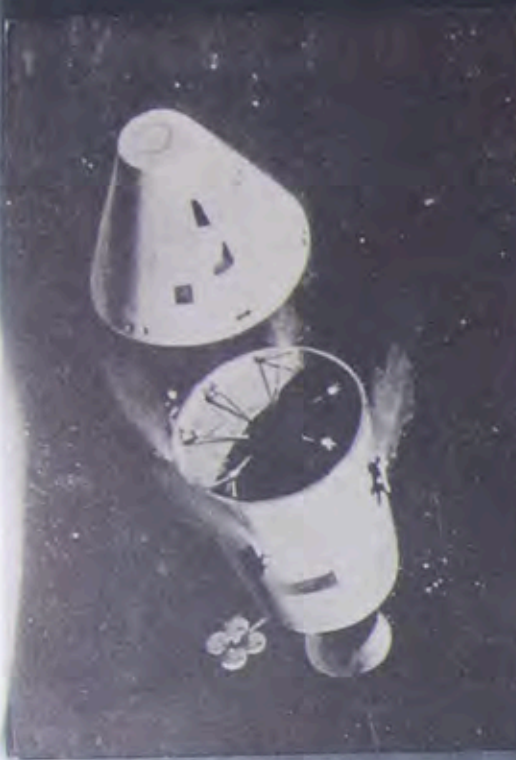


Vertical Assembly Building

Lunar Cruiser

Saturn Barge





CAPE CANAVERAL FL
APR 4
A M
1968
32920



APOLLO 6 WITH SATURN 5
World's most powerful rocket misfires in flight
and hurls its unmanned Apollo spaceship into
the wrong orbit.

CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.



APOLLO
unmanned flight AS 502
ATLANTIC
PACIFIC
U.S. Navy
recovery
force
NASA

APR 4 1968 A M
CHIKASKIA (A05A)

Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042



AFTER 5 DAYS RETURN TO

APOLLO
unmanned flight AS 502
ATLANTIC
PACIFIC
U.S. Navy
recovery
force
NASA

APR 4 P.M. 1968
OKINAWA (LPH3)

Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042



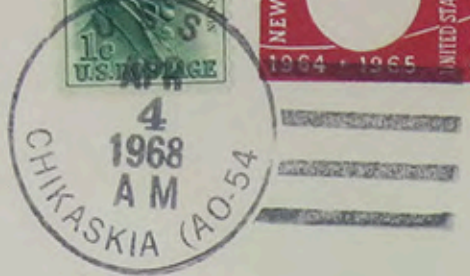
AFTER 5 DAYS RETURN TO

APOLLO
unmanned flight AS 502
ATLANTIC
PACIFIC
U.S. Navy
recovery
force

APR 4 P.M. 1968
NEW YORK (D-94)

Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042

APOLLO
unmanned flight AS
502
ATLANTIC
PACIFIC
U.S. Navy
recovery
force



RICHARD GORELNIK
8570 Gregory Way
Los Angeles, California 90035

AFTER 5 DAYS RETURN TO
APOLLO
unmanned flight AS
502
ZIP CODE ATLANTIC
PACIFIC
U.S. Navy
recovery
force



Lorenzo Rocca
400 Linden Lane
Falls Church, Va. 22042



SATURN — APOLLO
 2nd Manned Apollo-Orbital Flight
 1st MANNED FLIGHT AROUND THE MOON
 BORMAN - LOVELL - ANDERS

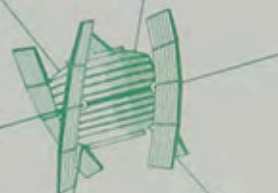


Col Richard H. Lake
4416 Duncan Dr.
Annandale, Va.
22003

Radio Astronomy Explorer 38



**MILKY WAY
 RADIO
 MAPPER**



Prime objective:
 Study radio emissions from
 the sun, jupiter, and our own
 Milky Way galaxy star system



Launched by TAID 4 July 10:27PM EDT

BOX 2286, HUNTINGTON, W. VA. 25724



8 SATELLITES PUT IN PERFECT ORBIT
 Eight military communication satellites
 providing a vital link of instant commu-
 nication between Saigon and Washington.
 Launched by Titan Rocket.

CLYDE J. SARZIN
 PORT WASHINGTON, L. I.
 NEW YORK, U.S.A.



Manned Flight
 Atlantic Fleet



**U. S. NAVY
 RECOVERY
 FORCE**

APOLLO



IN TRIBUTE TO THOSE WHO SERVED



APOLLO 7 CIRCLING EARTH IN 11 DAY TEST FOR MOON TRIP. Nasa hails perfect mission. Lift off smooth for astronauts Walter Schirrar, Donn Eisele, and Walter Cunningham. (Facsimile autograph of MISSION COMMANDER SCHIRRA appears here).

Walter Schirra

APOLLO

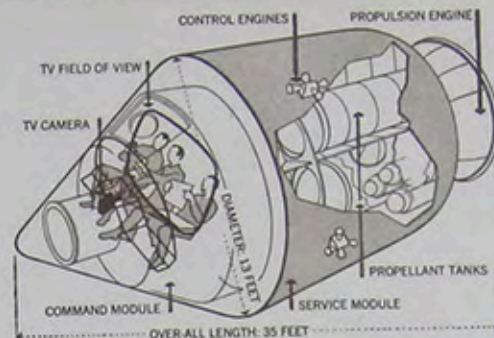


LAUNCHED FROM CAPE KENNEDY, FLORIDA



APOLLO 7 CIRCLING EARTH IN 11 DAY TEST FOR MOON TRIP. Nasa hails perfect mission. Lift off smooth for astronauts Walter Schirrar, Donn Eisele, and Walter Cunningham. (Facsimile autograph of MISSION COMMANDER SCHIRRA appears here).

Walter Schirra

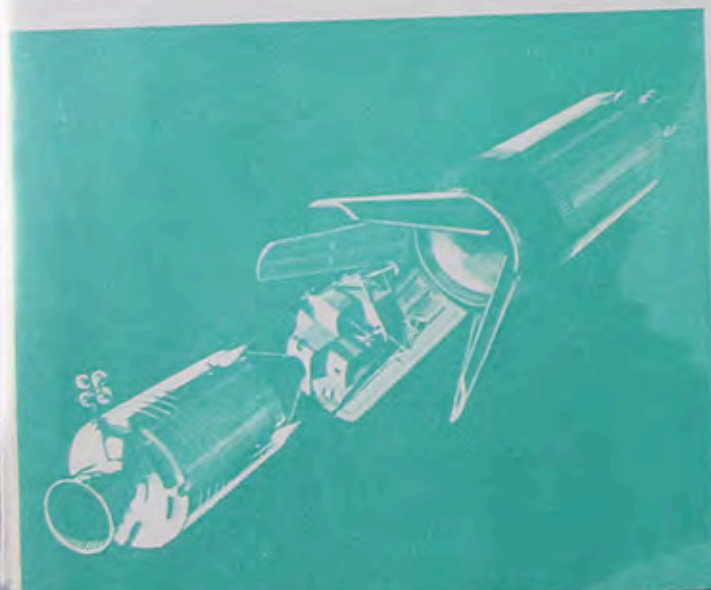


Apollo sketch shows position of camera as it took picture, left

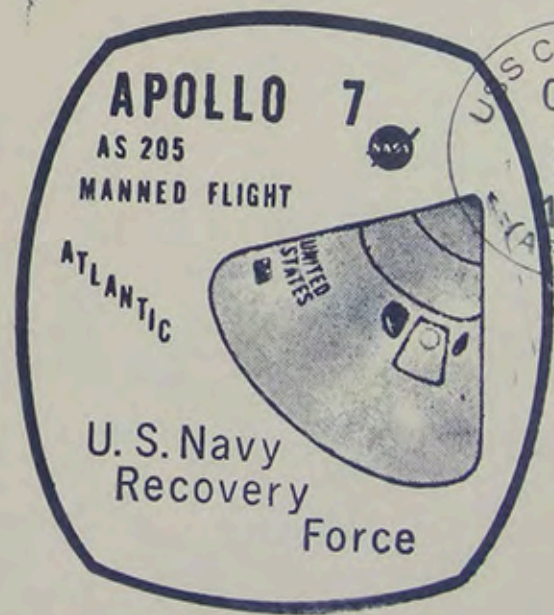


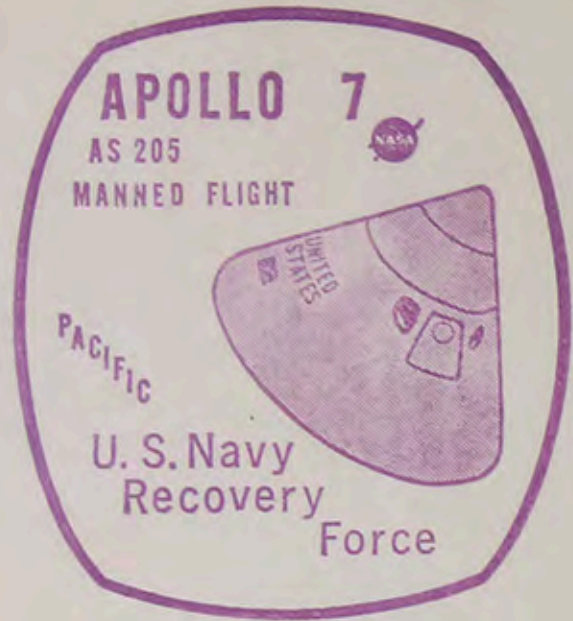
APOLLO 7 First television transmission from men in space. Astronauts Schirra, Cunningham and Eisele, humorously held up a sign saying keep those cards and covers coming.

SIMULATED DOCKING AND SPACE RESCUE



Apollo 7 maneuvers beautifully in space using main and booster rocket engines. Comes close to its saturn rocket. (Cachet here shows an actual docking and separation as will be done in the future).







NOW NEXT THE MOON
Perfect landing of Apollo 7 with Schirra,
Cunningham and Eisele. (The small cachet
depicts the main parachute deployment).

F
I
R
S
Manned Launch from Kennedy Space Center (NASA)
Manned Lunar Launch from E.T.R.
Saturn 5 Manned Launch

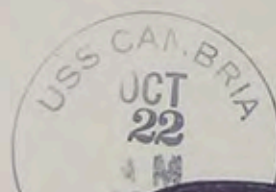
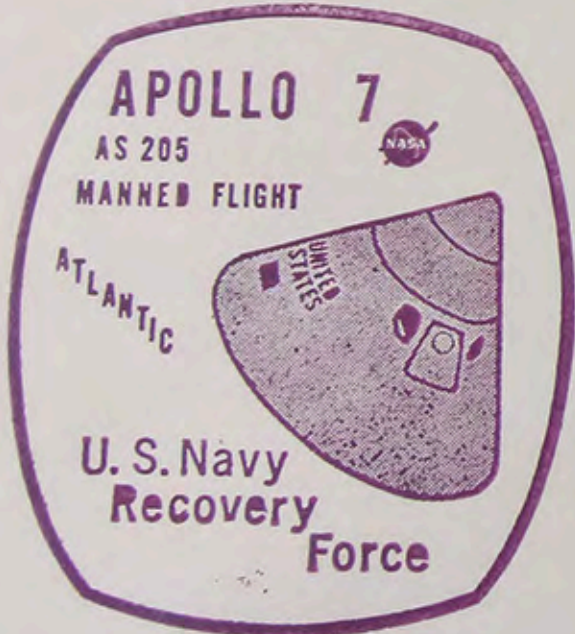


APOLLO 8
with astronauts
ANDERS
BORMAN
LOVELL



DEC 21 '68 - 7:51 AM

V. EISMONTI
P. O. BOX 93
SPRING VALLEY, N. Y. 10977



APOLLO
8
Moon Flight



10 ORBITS AROUND THE MOON
ASTRONAUTS:
COL. FRANK BORMAN
CAPT. JAS. A. LOVELL JR.
MAJ. WM. A. ANDERS



JOHN F. KENNEDY SPACE CENTER



FRANK BORMAN JIM LOVELL BILL ANDERS



CHRISTMAS 6c

UNITED STATES

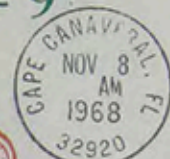
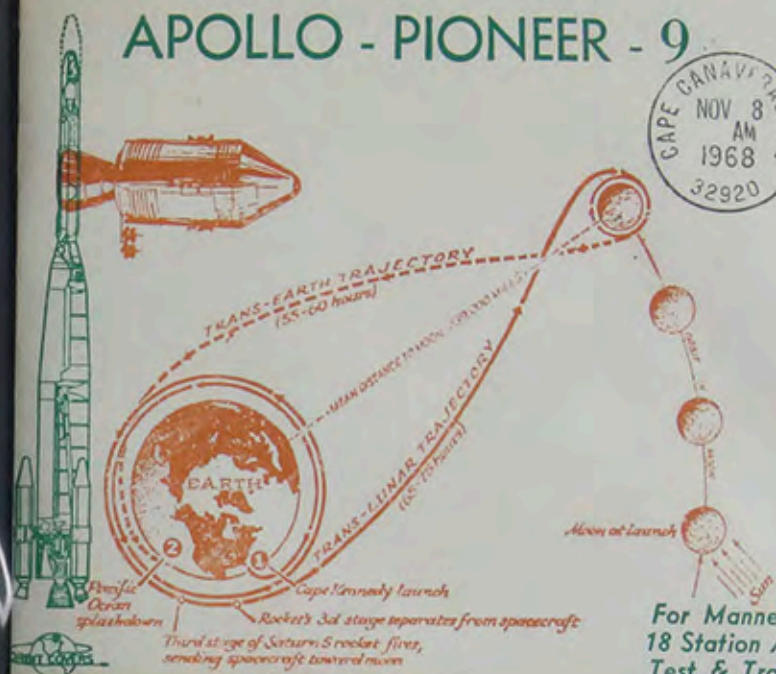


APOLLO 8

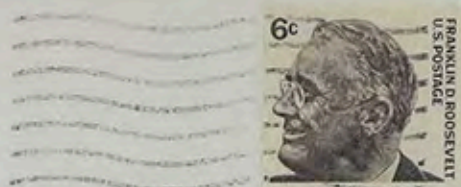
FIRST MANNED LUNAR APOLLO/SATURN MISSION

Mr. Fred Siegrest Jr. & Family
923 Levitt Pkwy.
Rockledge,
Florida

APOLLO - PIONEER - 9



For Manned Space-flight — Apollo 8
18 Station Apollo Tracking Network
Test & Training Comm. — 40 Lb. Sat.



FRANKLIN D. ROOSEVELT
U.S. POSTAGE 6c

C. J. August
Box 106
Lake Hopatcong, N. J.



APOLLO 8

Bendix Launch Support Division



FLAVIO DE ROSA
541 3rd. St.
CHULUOTA, FLORIDA, 32766

ESSA-8 APOLLO-8



STANLENDENBERG AFB, CA 93740
DEC 15 AM 1968

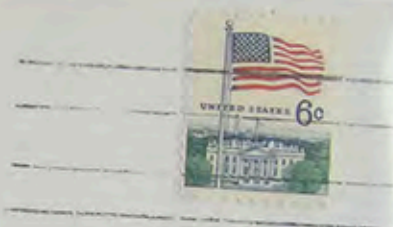


For Launch & Recovery Weather On Apollo-8
3½ Minute-Old Weather Data Reports
Two APT Cameras Covering 2,000 Mile Range

APOLLO-8



CAPE CANAVERAL, FL
DEC 21 AM 1968
32920



Man's First Flight To The Moon
JOHN F. KENNEDY SPACE CENTER FLORIDA

INTELSAT III



CAPE CANAVERAL, FL
DEC 19 AM 1968
32920



For Manned Space-flight
APOLLO 8



1st Public Global Commun. System
1200 Two-Way Voice Channel Capacity



CAPE CANAVERAL, FL
DEC 21 AM 1968
32920



ASTRONAUTS SPEED TOWARD MOON ORBIT AS APOLLO 8 LEAVES THE EARTH AT 24,200 M.P.H.
Plan 10 orbits around the moon at only 70 miles above the lunar surface.

LAUNCHED 7.51 AM



RECOVERY CONTROL CENTER, ATLANTIC



APOLLO 8 MOON MISSION



APOLLO 8

AS 503 MANNED FLIGHT



DEC 21 1968

ATLANTIC

U.S. Navy Recovery Force



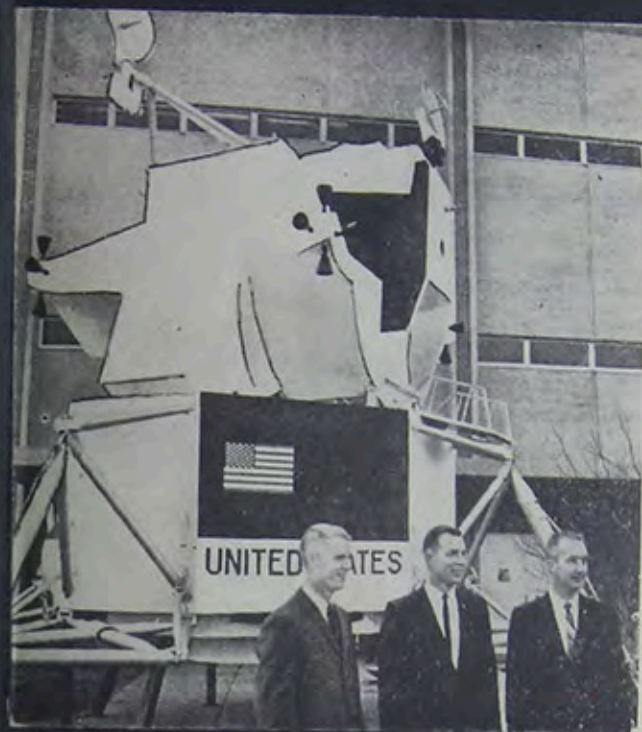
29307

LUTHER O. PORTER
1303 St. Rd. 67 West
Anderson, Ind. 46013

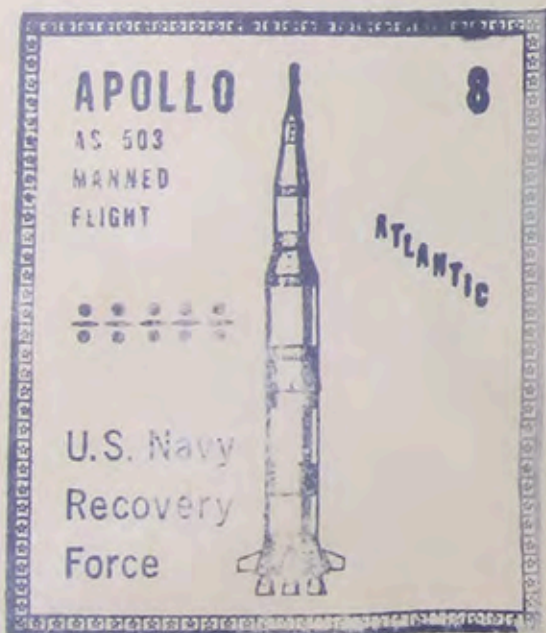
USNS VANGUARD (T-AGM-19)
FLEET POST OFFICE, N. Y. 09501



APOLLO 8 SPLASH DOWN



McDivitt, Schweickart and Scott, Apollo 9 astronauts unveil moon landing craft in Long Island on Saturday January 25, 1969. They will fly this vehicle in space for the first time in the flight of Apollo 9.



FLAVIO DE ROSA
P.O. BOX 261
CHULUOTA, FLA., 32766

APOLLO-9



JOHN F. KENNEDY SPACE CENTER FLORIDA

APOLLO 9

Launching

CAPE KENNEDY, FLORIDA
March 3, 1969



ASTRONAUTS

JAMES A. McDIVITT
DAVID R. SCOTT RUSSELL SCHWEIKART

JOHN F. KENNEDY SPACE CENTER



JIM McDIVITT RUSTY SCHWEICKART DAVE SCOTT



FIRST MANNED APOLLO LUNAR MODULE MISSION

LAUNCHED 11.00 AM



RECOVERY CONTROL CENTER, ATLANTIC



FIRST TV FROM THE LM MOON LANDING VEHICLE

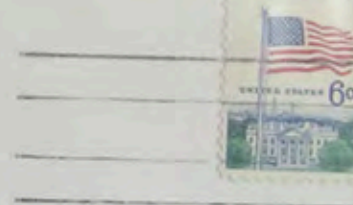
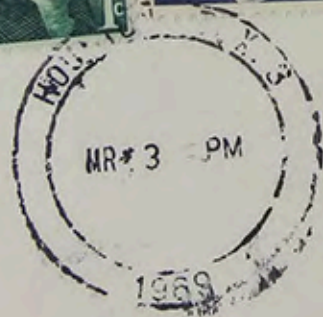


APOLLO 9 MISSION



FIRST TELEVISION FROM MOON SPIDER.

Cachet shows Schweickart and McDivitt in the LM, the spider that flies and will land our men on the surface of the moon.



APOLLO 9.... Astronaut Schweickart takes space walk on the spider LM moon landing craft. First test in space for self-contained life maintenance equipment that will be carried on the astronauts' backs. This will be used on the moon.

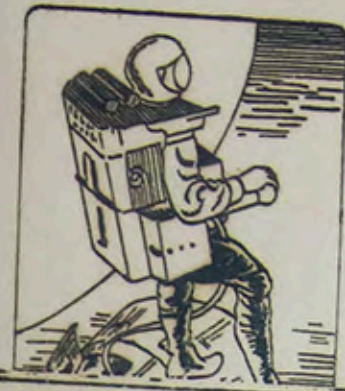
C. SARZIN
PORT WASHINGTON
L. I. NEW YORK

Apollo 9 Astronauts Photographed Each Other and the Earth Below



MOON SPIDER LANDING VEHICLE and APOLLO COMMAND SERVICE MODULE move back for docking maneuver after successful separation and flight of the Spider. Cachets show picture of Apollo module from the LM and astronaut Scott leaning from hatch after retrieving thermal sample from outside wall of command module.

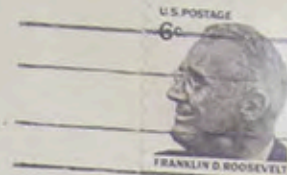
C. SARZIN
PORT WASHINGTON
L. I., NEW YORK



FIRST APOLLO SPACEWALK

March 6, 1969

ASTRONAUT
RUSSELL SCHWEICKART



Apollo 9 Astronauts Photographed Each Other and the Earth Below



SEPARATION IN SPACE...of the moon Spider from Apollo 9. Cachet shows "Spider in the sky." Photo was taken by Col. David R. Scott from command ship while Col. James A. McDivitt and Russell L. Schweickard piloted the moon lander. Craft is shown upside down with its landing sensors at top.

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



MOON SPIDER LANDING VEHICLE and APOLLO COMMAND SERVICE MODULE move back for docking maneuver after successful separation and flight of the Spider. Cachets show picture of Apollo module from the LM and astronaut Scott leaning from hatch after retrieving thermal sample from outside wall of command module.

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

APOLLO-9



CAPE CANAVERAL, FL
MAR 13
PM
1969
32920

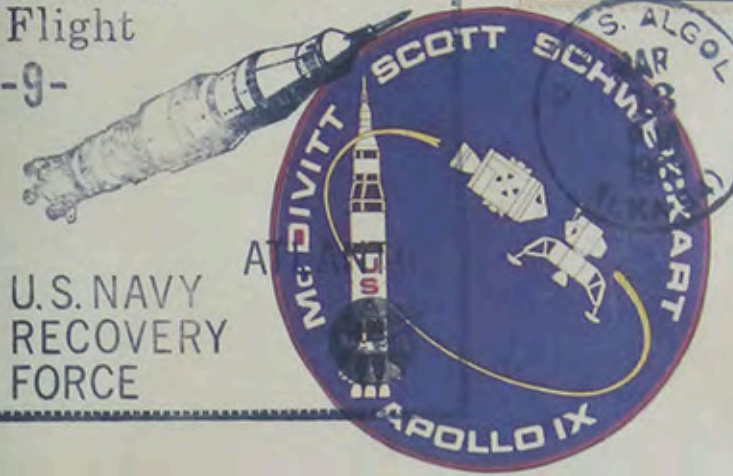


ATLANTIC - SPLASHDOWN



10 Days In Space - 151 Earth Orbits
Re-Entry & Splashdown March 13, 1969
Recovery By USS GUADALCANAL LPH-7

APOLLO Manned Flight AS 504 -9-



U.S. NAVY RECOVERY FORCE



CAPE CANAVERAL, FL
MAR 13
PM
1969
32920



APOLLO 9 SPLASHDOWN... IN THE ATLANTIC CLEARING THE WAY FOR THE FINAL THRUSTS AT THE MOON.

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

APOLLO Manned Flight AS 504 -9-



U.S. NAVY RECOVERY FORCE

MAR 13 AM 1969
NICHOLS (67449)

USNS MERCURY (T-AGM21)
C/O FLEET POST OFFICE
SAN FRANCISCO - 96601



APOLLO AS 504
Manned Flight
-9-
U.S. NAVY RECOVERY FORCE



APOLLO 9 ASTRONAUT HEROES IN WASHINGTON, D.C. Col. David R. Scott, Russell L. Schweickart, Col. James A. McDivitt discuss APOLLO 9 mission with Congress and are honored by President Nixon. Another step in ex-President Kennedy's program of a MAN ON THE MOON by 1970.

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

APOLLO-10

Man's Second
Flight To The Moon



ASTRONAUT GENE CERNAN
ASTRONAUT JOHN YOUNG
ASTRONAUT TOM STAFFORD
JOHN F. KENNEDY SPACE CENTER FLORIDA



Mr. Charles C. Barnes
6558 Vivian
Arvada, Colorado

"YOU CAN TELL THE WORLD WE HAVE ARRIVED"
On May 18th, 1969 - Apollo 10 was launched and carried US Astronauts Cernan, Stafford and Young on a voyage to the moon. Arriving there on May 22nd, Cernan and Stafford in the Lunar landing craft - LM -, at a distance of 9.4 earth miles, took photographs and made visual observation of the landing site for Apollo 11. On May 26th, 704,000 miles and eight days later, the Apollo crew was recovered by the USS Princeton near American Samoa.



1ST LEM MOON ORBIT



JOHN F. KENNEDY SPACE CENTER



TOM STAFFORD



JOHN YOUNG



GENE CERNAN



FIRST MANNED LUNAR MODULE MOON MISSION



Florida de Rain
P.O. Box 261
Chuluota, Fla. 32166

APOLLO 10
 LUNAR MODULE
 OVER MOON

AS
 505



U. S. NAVY
 RECOVERY
 FORCE

Atlantic

USS CHILTON
 MAY
 26
 A.M.
 1969



APOLLO 10
 LUNAR MODULE
 OVER MOON

AS
 505



U. S. NAVY
 RECOVERY
 FORCE

Pacific

U.S.S. PRINCETON
 MAY 26
 PM
 1969



APOLLO 10
 LUNAR MODULE
 OVER MOON

AS
 505



U. S. NAVY
 RECOVERY
 FORCE

Atlantic

APOLLO 10 SPLASHES DOWN
 NEAR CARRIER USS PRINCETON
 AFTER CIRCLING THE MOON
 31 TIMES IN 2 1/2 DAYS

Rubin Blum
 410 E. 6th St
 NYC NY 10009

30006-30008-
 30012-
 30782

U.S.S.
 MAY
 26
 A.M.
 1969
 OZARK (MO)



Apollo 10



SPASHDOWN IN THE
 PACIFIC OCEAN
 440 MILES EAST OF PAGO PAGO, SAMOA

MAY 26, 1969

Recovery

BY THE U. S. S. PRINCETON

CAPE CAHAVERAL, FL
 MAY 26
 PM
 1969
 32020



APOLLO 10 SPLASH DOWN



FRANK M. EDMONDSON
10405 NORTH BOULEVARD
TAMPA, FLA. 33612

APOLLO 10



BIOSATELLITE - 3





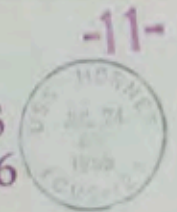
MONKEYNAUT SOARS INTO EARTH ORBIT.
 A pigtail monkey named Bonny boosted into space for a 30 day stay to study the effects of weightlessness on a man-like animal.



William Moody Lake
 4416 Duncan Drive
 Annandale, Virginia 22003

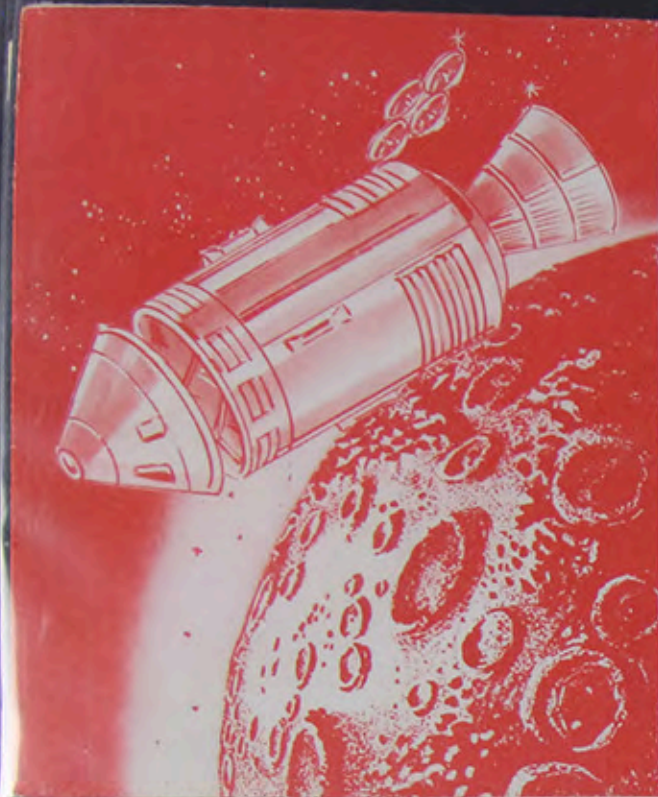


APOLLO
 MANNED LUNAR LANDING
AS 506



William Moody Lake
 4416 Duncan Drive
 Annandale, Va. 22003

PACIFIC



APOLLO 8 FIRST ORBIT OF THE MOON
 At 4:59 a.m. December 24, 1968 after flying around the leading edge of the moon the SPS (Service Propulsion System) rocket was fired for 4 minutes and the ship was successfully in its first of a planned 10 orbits of the earth's satellite.

11050

Item No. 894
Album
Cover



First men to the moon: Borman, Lovell and Smith were glad to be back on 'the good earth'.



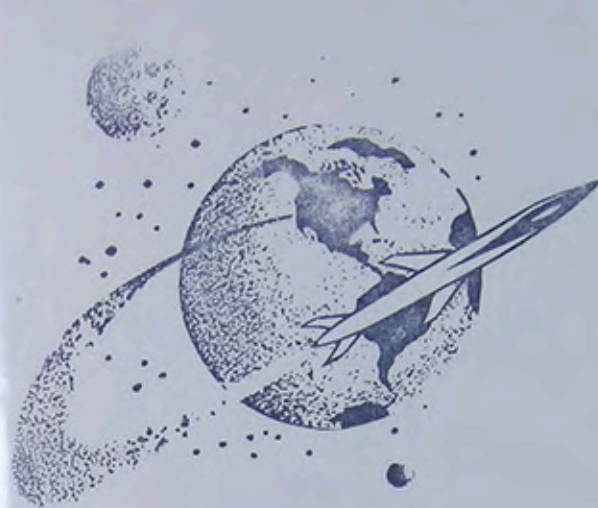
SPLASHDOWN APOLLO 8
 The end of the odyssey.
 Frogmen steady the spaceship
 as the Yorktown stands by.



CLYDE J. SARZIN
 FORT WASHINGTON, L. I.
 NEW YORK, U.S.A.

| | Description | Cost | | Description | Cost |
|----|-------------|------|-----|-------------|------|
| 53 | | | 79 | | |
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| 77 | | | 103 | | |
| 78 | | | 104 | | |

Notes _____



MANDEVILLE CALIF.
 AUG 9
 6-PM
 1962



K. MARTIN CARLSON
 1028 Third Avenue South
 Moorhead, Minnesota

DOUBLE ATLAS SHOT

Rocket Fired
 from....
 WALLOPS ISLAND
 VIRGINIA

WALLOPS ISLAND
 OCT 16
 11-AM
 1967
 VA.

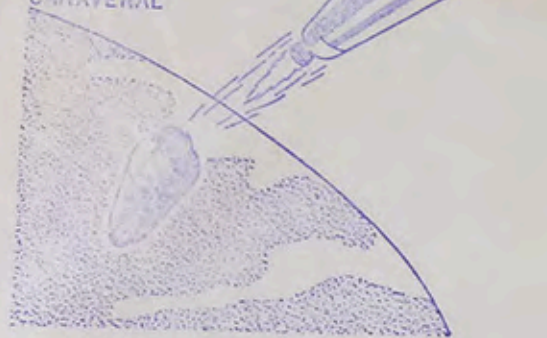


NIKE-APACHE
 OCT 16
 10 06 AM



ATLANTIC OCEAN

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL

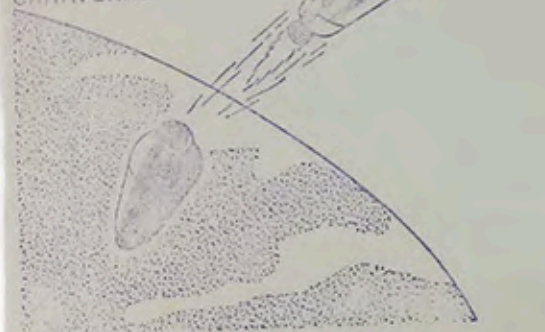


CAPE CANAVERAL
11-AM
FEB 7
1963
FLA.



POLARIS FEB 7 - 1963 11: 08 A.M.

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL



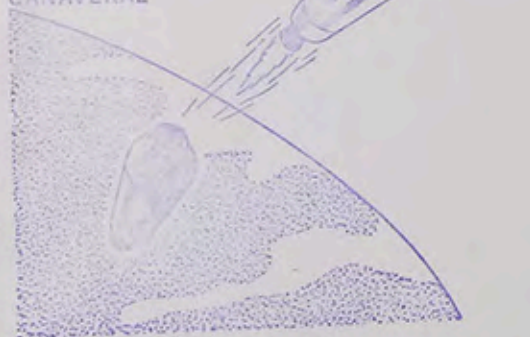
PATRICK AIR FORCE BASE
MAR 14
9 AM
1963
FLA.



PERSHING MAR 18 1963 8: 45 P.M.

Paul Dlug
668-105E
B'klyn 15, N.Y.

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL



CAPE CANAVERAL
11-AM
FEB 11
1963
FLA.

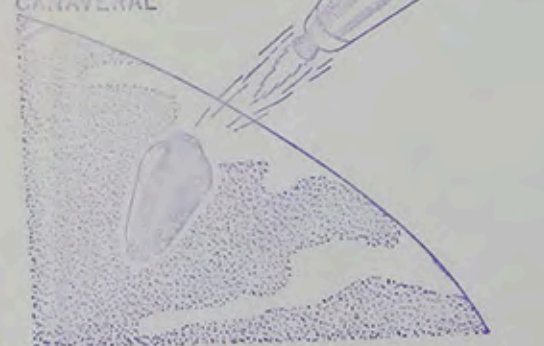


IMPRIMÉ

POLARIS FEB 11 1963 10: 50 A.M.

Alfred Szobel
3214 W. CRYSTAL ST.
CHICAGO 51, ILL.

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL



CAPE CANAVERAL
7-AM
MAR 19
1963
FLA.

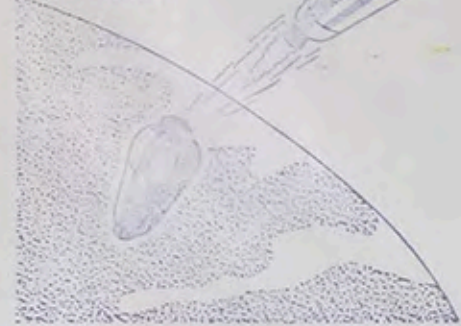


IMPRIMÉ

MINUTEMAN MAR 18 1963 8: 30 P.M.

Alfred Szobel
3214 W. CRYSTAL ST.
CHICAGO 51, ILL.

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL



SATURN

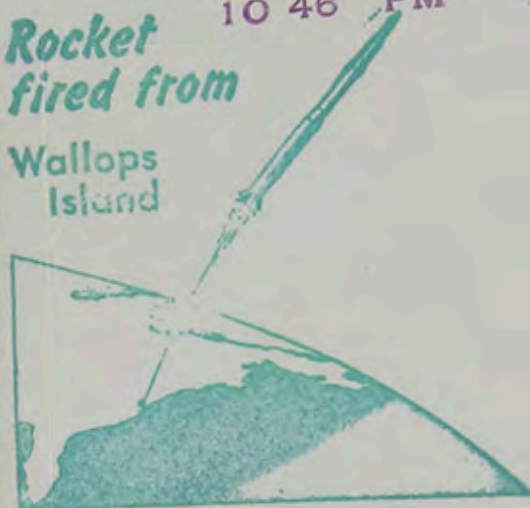


AEROBEE 150-A

JULY 9 1968

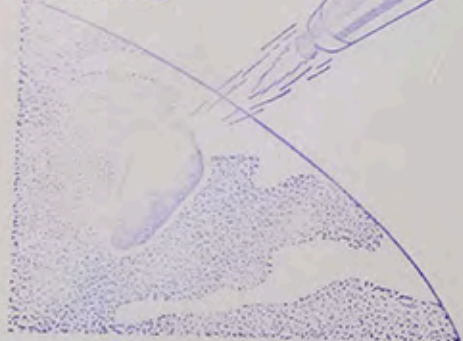
10 46 PM

Rocket
fired from
Wallops
Island



Alfred Lyebel
3214 W. CRYSTAL ST.
CHICAGO 51, ILL.

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL

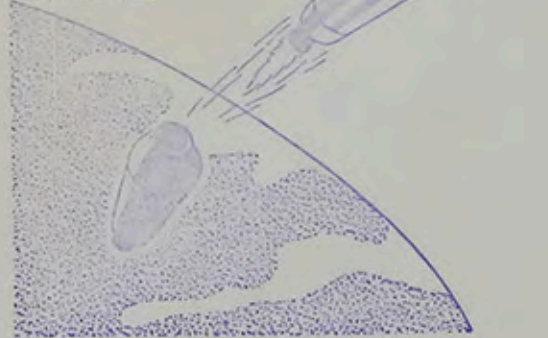


MINUTEMAN JUN 5 1963 11: 3 4 P.M.

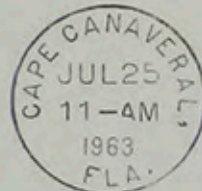


Mr. J. Bubicz,
3351 W. Hirsch St.,
Chicago 51, Ill.

Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL



MINUTEMAN JUL 24 1963 10:0 0 P.M.



Alfred Lyebel
3214 W. CRYSTAL ST.
CHICAGO 51, ILL.



Rocket fired
from Atlantic
Missile
Range
CAPE
CANAVERAL



CAPE CANAVERAL
AUG 31
8-AM
1963
FLA.



Mr. J. Bubica,
3351 W. Hirsch St.,
Chicago 51, Ill.

POLARIS AUG 30 1963 8 35 P.M.

TITAN 3A

Military
Space
Rocket



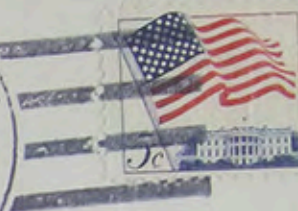
TO ACHIEVE MILITARY
SUPERIORITY IN SPACE

The rocket is to form the heart
of the future powerful TITAN 3C

LAUNCHED 10:00 A.M. EDT SEPT. 1 Cape Kennedy

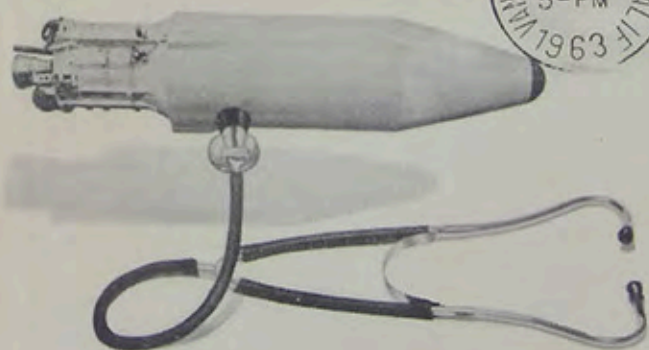


CAPE CANAVERAL
SEP
1
A.M.
1964
FLA.

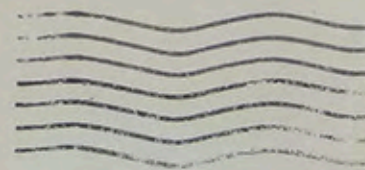


BOX 2296, HUNTINGTON, W. VA.

THE STETHESCOPE OF SPACE



VANDENBERG A.F.B. CALIF.
SEP 6
5-PM
1963



VANDENBERG AIR FORCE BASE
SEPT. 6, 1963. ATLAS ROCKET
BOOSTS A SAMOS TYPE SPY IN
THE SKY SATELLITE

Len Gottfried
2 Acme Ave.
Bethpage, L.I., N.Y.

Rocket
fired from

Wallops
Island



RICE UNIVERSITY EXP

NIKE-APACHE 9 31 PM

JAN 14 1964



Rocket Fired

from....

WALLOPS ISLAND

VIRGINIA

JAVELIN ARGO D-4

12 01 AM

JAN 17 1964



Alfred Szobal
3214 W. CRYSTAL ST.
CHICAGO 51, ILL

Rocket Fired

from....

WALLOPS ISLAND

VIRGINIA

NIKE-CAJUN GRENADES

7 16 PM

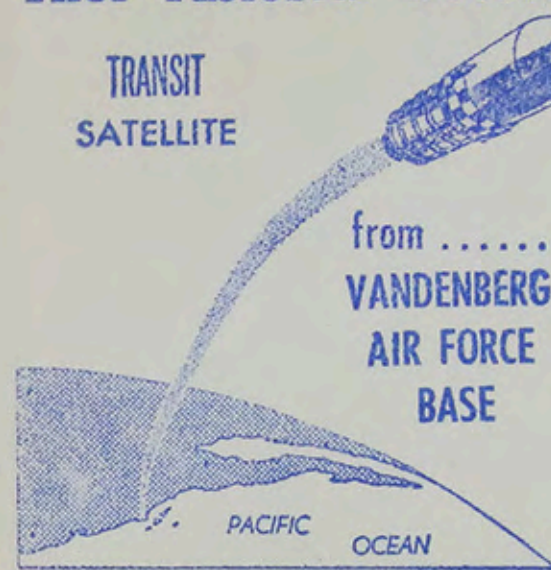
JAN 23 1964



Thor-Ablestar Booster

TRANSIT
SATELLITE

from
VANDENBERG
AIR FORCE
BASE

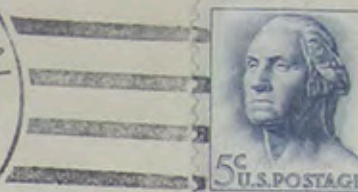


U.S.S. DANIEL WEBSTER FIRST POLARIS
MISSILE FIRING MAY 25, 1964 FROM
CAPE KENNEDY, FLORIDA, THE A-3
LONGEST RANGE U.S. POLARIS MISSILE.



CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.

ATLAS CENTAUR FIRST FIRING
CAPE KENNEDY

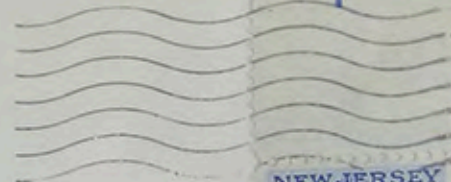


CACHET DEPICTS THE CENTAUR
AS IT JETTISONS ITS PROTECTIVE
INSULATION AS IT LEAVES THE EARTH'S
ATMOSPHERE ENROUTE TO ORBIT.

Centaur is 1st Space Vehicle to be
powered in flight by Liquid Hydrogen.

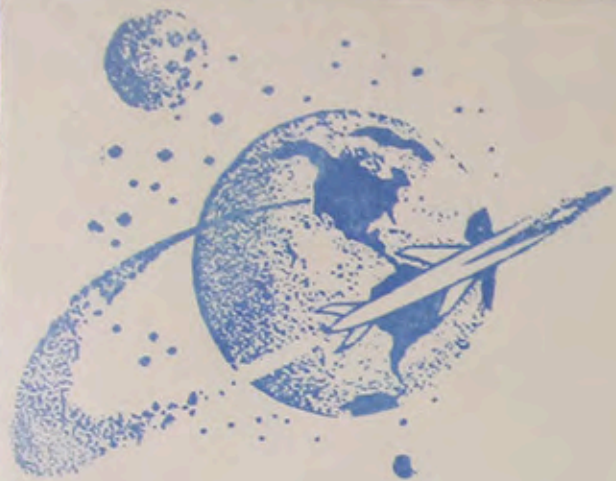


MISSILE
FIRED FROM..
Cape
Kennedy



POLARIS JUL 2 - 1964 7: 25 P.M.

CHARLES J. VUKOTICH
9266 Valley Street
Pittsburgh, Pa. 15235



GLANDENBERG A.F. CALIF.
AUG 28
2 PM
1964



Mrs. R. F. Whitney
131 So. Nixon Ave.
Lima, Ohio

NIMBUS-A

350

TITAN 3A

Military
Space
Rocket



TO ACHIEVE MILITARY
SUPERIORITY IN SPACE

The rocket is to form the heart
of the future powerful TITAN 3C

LAUNCHED 10:00 A.M. EDT SEPT. 1 Cape Kennedy

ARMY AIR FORCE
SEP 1
1964
FLA.



BOX 2206, HUNTINGTON, W. VA.

TITAN 3A

Military
Space
Rocket



TO ACHIEVE MILITARY
SUPERIORITY IN SPACE

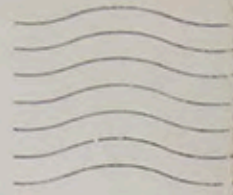
The rocket is to form the heart
of the future powerful TITAN 3C

LAUNCHED 10:00 A.M. EDT SEPT. 1 Cape Kennedy

CAPE CANAVERAL
SEP 1
A.M.
1964
FLA.



BOX 2206, HUNTINGTON, W. VA.



SUB SHOT

CHARLES J. VUKOTICH
9266 Valley Street
Pittsburgh, Pa. 15235



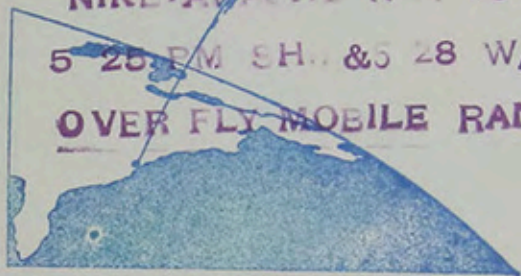
*Rocket
fired from*

Wallops
Island

NIKE-ATACHE NOV 10 1964

5 28 PM SH. & 5 28 WALLOPS

OVER FLY MOBILE RANGE

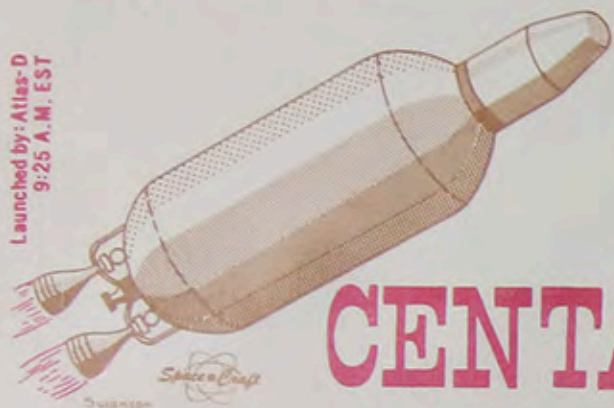


Mr. J. Babler
3351 W. Hirsch St.
Chicago 51, Ill

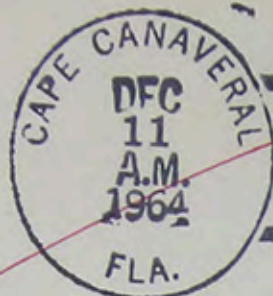
High-energy Rocket

Will be able to launch unmanned spacecraft to Moon and scout landing areas

Launched by Atlas-D
9:25 A.M. EST

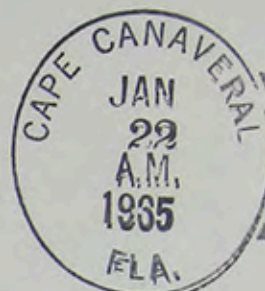


CENTAUR-4



BOX 2296, HUNTINGTON, W. VA.

MISSILE FIRED FROM..
Cape Kennedy



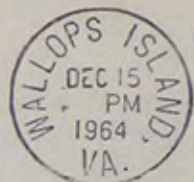
TIROS IX
SUCCESSFUL FLIGHT OF THE
NINTH WEATHER SATELLITE.

TIROS

THOR-DELTA JAN 22 1965 2: 52 A.M.

*Dr Bowly
1119 Harbor
Newbury
N.J.*

SAN MARCO ROCKET



... AND NOW ITALY

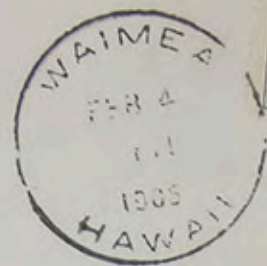
The countdown was in English, with Italian sotto voce commentary, when the first Italian-built satellite, named the San Marco, was launched 12/15/64 from Wallop's Island, Va. The 254-pound satellite, designed to investigate air density, was boosted into a perfect orbit by a U.S. Scout rocket (left), making Italy the third nation to launch its own spacecraft (U.S. teams have put up Canadian - and British-designed instruments).

Lancio Primo Satellite Italiano
PROGETTO 'SAN MARCO'
ITALIA - USA 'SCOUT S-137R'
15 D cemb.e 1964 ore 11.20

Jean Yokoyama

Pacific Missile Range
Tracking Facility
Barking Sands
P. O. Box 457
Waimea, Kauai, Hawaii

Arcas



S. C. STEINBERG
2025 Country Club Dr.
Columbia, Mo. 65201

1st NUCLEAR SPACE REACTOR
SNAP-10A

APRIL 3 1965

SATELLITE TOWARD
POLAR ORBIT
FROM.....

PACIFIC
MISSILE
RANGE

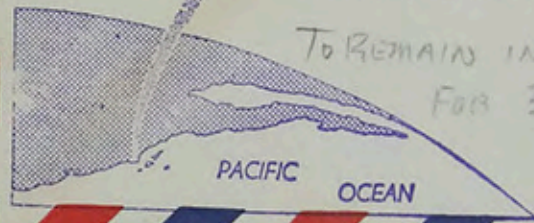


7400 MILES

QUIT MAY 16 1965

PERIOD 112 MIN.

TO REMAIN IN ORBIT
FOR 3,000 YRS.?



PACIFIC OCEAN



Inc. SECOR II

VIA AIR MAIL

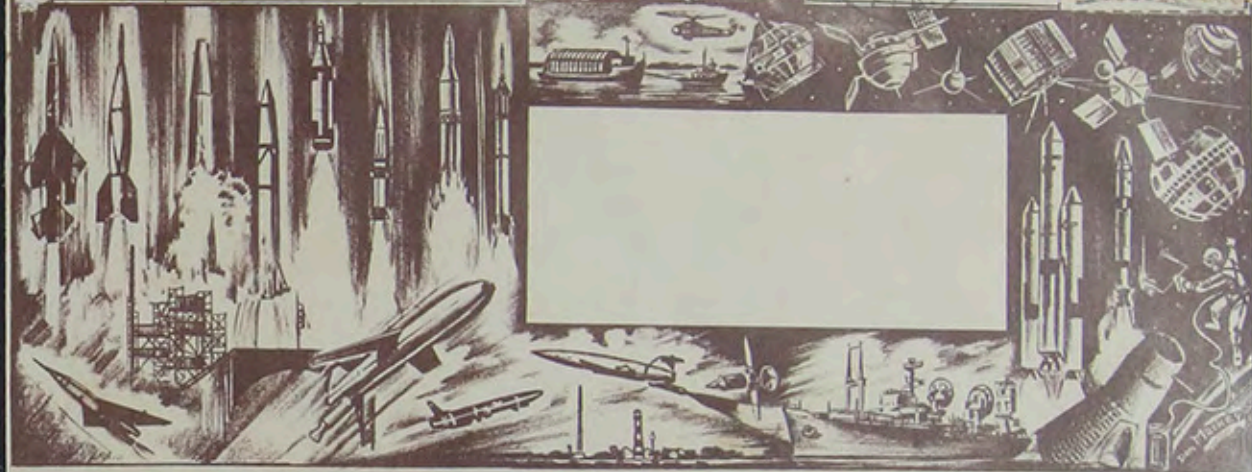
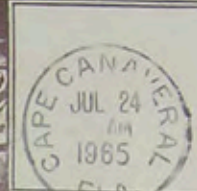
HORACE D. WESTBROOKS
P. O. BOX 252
GRIFFIN, GEORGIA 30223



(Imp-C) Explorer 28
orbited by a Delta Rocket
Celestial



Commemorating 15th Anniversary
FIRST MISSILE LAUNCHED
from Cape Canaveral: A V-2 with an Army
WAC Corporal 2nd stage. July 24, 1950



White Sands
Missile Range
New Mexico



Birthplace of America's
Missile and Space Activity

ATHENA



V. E i s m o n t
P.O.Box 93
Spring Valley, N.Y. 10977

White Sands
Missile Range
New Mexico



Birthplace of America's
Missile and Space Activity

SERGEANT



CHARLES J. VUKOTICH
9266 Valley Street
Pittsburgh, Pa. 15235

Rocket
fired from

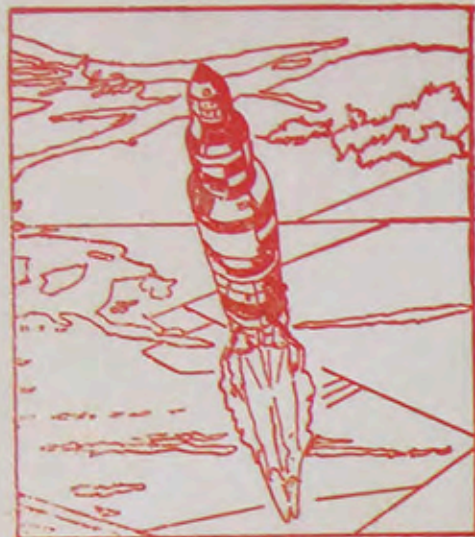
Wallops
Island



NIKE CAJUN
8 10 PM
OCT 27 1965



DANIEL BENINGOSO
5242 Rorer Street
Philadelphia, Pa. 19120



**EXPLORER 29 Geos-A; is
PUT INTO A HIGHER ORBIT THAN
PLANNED, BUT CAUSES NO MAJOR
PROBLEMS. Launched by a Delta
Celestial**



**White Sands
Missile Range**
New Mexico



Birthplace of America's
Missile and Space Activity



ROBERT J. BOUDWIN
1119 Harker Ave.
Woodbury, N. J.

**White Sands
Missile Range**
New Mexico



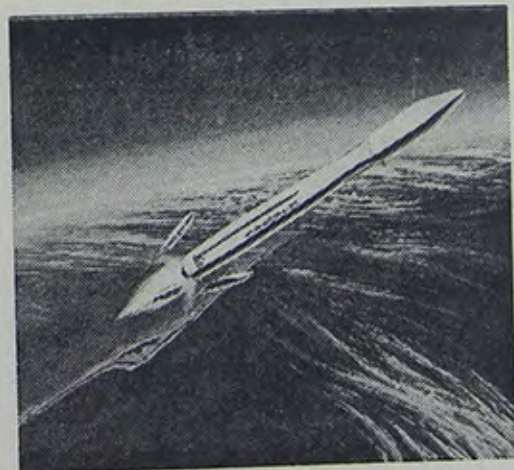
Birthplace of America's
Missile and Space Activity

ZEUS



ROBERT J. BOUDWIN
1119 Harker Ave.
Woodbury, N. J.

GEOS-I
MAP MAKING SATELLITE



Launched from Cape Kennedy, Florida
by an improved Delta rocket with 3 solid
fuel strap-on rockets, Nov. 6, 1965



Rocket fired
from Atlantic
Missile
Range
CAPE
KENNEDY



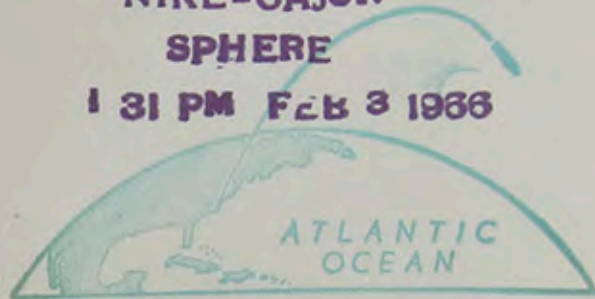
EOLARIS NOV 12 1965 5: 3 0 P.M.



Rocket Fired
from....
WALLOPS ISLAND
VIRGINIA



NIKE-CAJUN
SPHERE
1 31 PM FEB 3 1966



Ludwik Piczara
2734 W. Francis Pl.
Chicago, Ill. 60647

Rocket Fired
from....
WALLOPS ISLAND
VIRGINIA



NIKE-APACHE
11 16 AM
FEB 17 1966



Ludwik Piczara
2734 W. Francis Pl.
Chicago, Ill. 60647

Rocket Fired

from....

WALLOPS ISLAND

VIRGINIA

AEROBEE 150-A

12 55 PM

MAR 2 1966



ATLANTIC
OCEAN



Ludwik Pieczara

2734 W. Francis Pl.

Chicago, Ill. 60647

Rocket launched
from

PACIFIC MISSILE RANGE

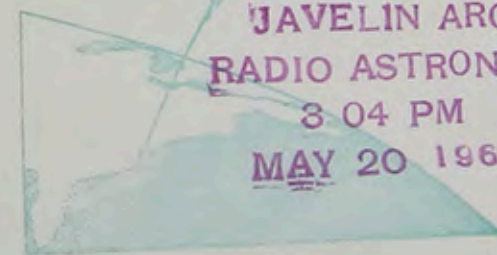


Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster



Rocket
fired from

Wallops
Island



JAVELIN ARGO D-4
RADIO ASTRONOMY EAP
8 04 PM
MAY 20 1966



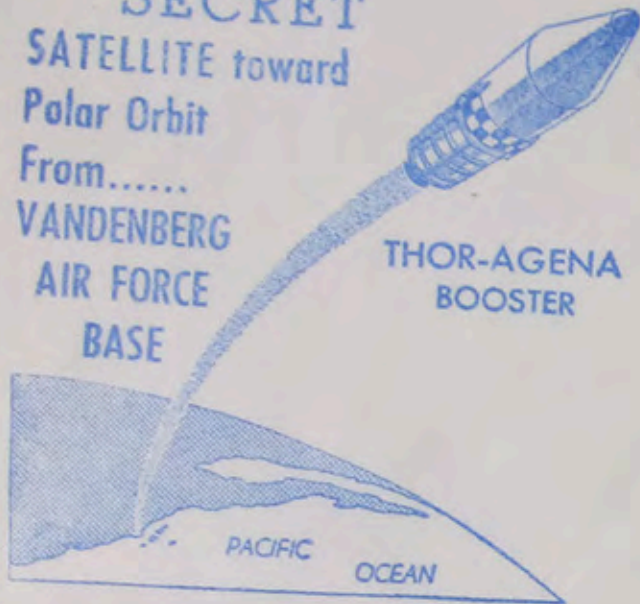
LUDWIK PIECZARA

2734 W. FRANCIS PL.
CHICAGO, ILL. 60647

SECRET

SATELLITE toward
Polar Orbit

From.....
VANDENBERG
AIR FORCE
BASE



THOR-AGENA
BOOSTER



Rocket Fired

from....

WALLOPS ISLAND
VIRGINIA

NIKE-TOMAHAWK

12 03 AM

AUG 28 1966



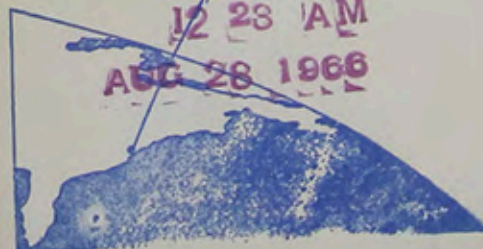
**Rocket
fired from**

Wallops
Island

NIKE APACHE

12 23 AM

AUG 28 1966



Ludwik Pieczara
1926 N. Wolcott
Chicago 22, Illinois

Rocket Fired

from....

WALLOPS ISLAND
VIRGINIA



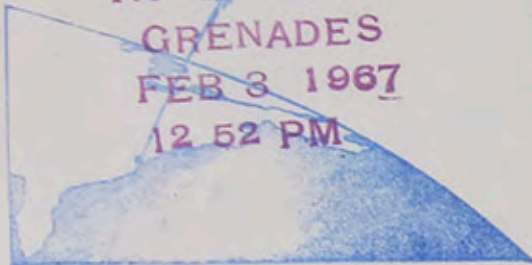
JAVELIN
BARIUM VAPOR CLOUD
US-GERMAN EXP
SEPT 24 1966 5 13 AM



Rocket
fired from

Wallops
Island

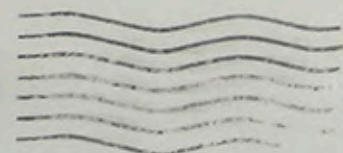
NIKE-CAJUN
GRENADES
FEB 3 1967
12 52 PM



SATELLITE toward
Polar Orbit
From.....
VANDENBERG
AIR FORCE
BASE



EXPLORER 34
NASA
IMP - F

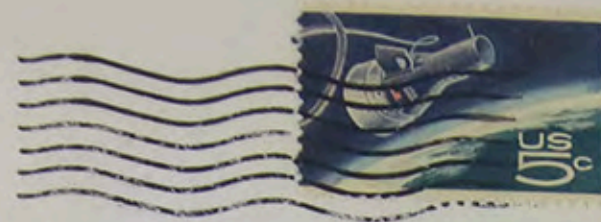




Rocket
fired from
Wallops
Island



AEROBEE 150-A
2 WHITE RATS
DEC 5 1967
2 11 PM



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SATELLITE
LAUNCHED
FROM



VANDENBERG
AIR FORCE
BASE



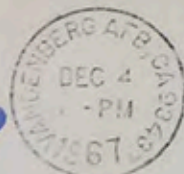
TITAN III-B/AGENA
SPACE BOOSTER

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SATELLITE toward
POLAR ORBIT
from

VANDENBERG
AIR FORCE
BASE

BLUE SCOUT ROCKET

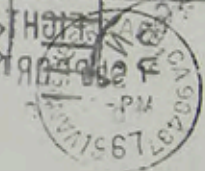


M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

ROCKET
FIRED
FROM



VANDENBERG
AIR FORCE
BASE



BOMARC TARGET
Missile destroyed by Air to Air
or Ground to Air Missiles in the
Pacific near Pt. Mugu, California

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

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B
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Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

I
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B
M



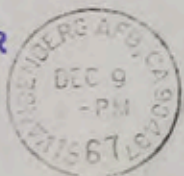
Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

THRUST-AUGMENTED THOR BOOSTER
POLAR ORBITING SATELITE

VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

I
N
S
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C
B
M



Rocket launched from
Vandenberg AFB California



DOUBLE LAUNCH

M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Advanced Ballistic Re-Entry System (ABRES)
Test Using Atlas Booster

VANDENBERG
AIR FORCE
BASE



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

I
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B
M



Finland

Independence 1809-67



United States 5c

Rocket launched from
Vandenberg AFB California

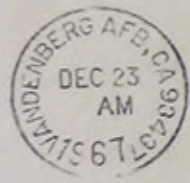
M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

Minuteman

I
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B
M



Rocket launched from
Vandenberg AFB California



M. WEINER
446 EAST 51ST STREET
BROOKLYN 3, N. Y.

SAMOS II



WORLD'S FIRST SKY-SPY SATELLITE

LAUNCHED BY U.S. AIR FORCE
FROM NAVAL MISSILE FACILITY
POINT ARGUELLO 31 JANUARY 1961
Launch Day Cover



TRANSIT #B
Navy Beacon Atom-powered
"RADARSTAR"

TRAAC
"PIGGY-BACK RIDER"
(Transit Research and
Altitude Control)




◆ To provide an all-weather method for global navigation

◆ To test the feasibility of using earth's gravitational field to track toward the earth

COMMUNICATIONS FOR PEACE
U.S. POSTAGE 1c

PATRICK AIR FORCE BASE
JAN 15 1961
FLA.

*Box 2296
Huntington
W. Va.*

NASA launches Giant
Space Balloon-----
Test of technique for
launching advanced
Echo communications
Satellite.....
135-foot balloon



PATRICK AIR FORCE BASE
JAN 15 9 AM 1962
FLA.



J Cunningham
MPO Box 133
Reese AFB
Texas

TELSTAR ✨
ACTIVE COMMUNICATIONS SATELLITE

DESIGNED AND BUILT
BY
THE
LABORATORIES OF AT&T Co.



'Tower
in the
Sky'

Experiments in the relaying
of telephone calls, television
signals and other communications
overseas



First "live" Television picture of Old Glory relayed from TELSTAR on 6th orbit

PATRICK AIR FORCE BASE
JUL 10 11 AM 1962
FLA.



OSO
SUN SEEKING SATELLITE

Solar Observing Observatory

To measure X-rays, Gamma, ultra violet and infrared rays streaming towards earth from the sun

Launched by Thor-Delta booster 7 March 1962 11:06 A.M.

COMMUNICATIONS FOR PEACE
U.S. POSTAGE 4c

PATRICK AIR FORCE BASE
MAR 7 1962
FLA.

RANGER IV

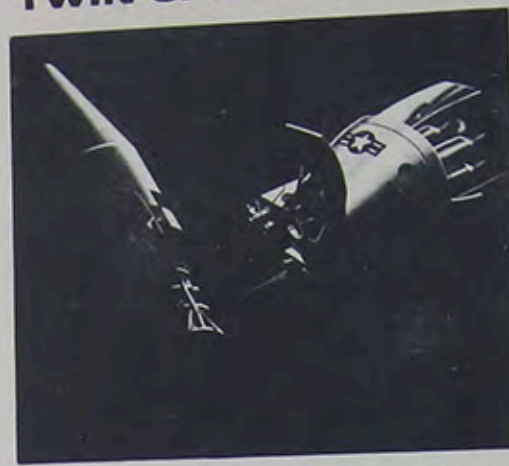
Spacecraft to prepare route to land men on the Moon

LAUNCHED BY THOR-DELTA BOOSTER 8 APRIL 1962 11:06 A.M.

COMMUNICATIONS FOR PEACE
U.S. POSTAGE 4c

PATRICK AIR FORCE BASE
APR 23 4 20PM 1962
FLA.

TWIN SATELLITE LAUNCHING



COMPOC, CALIF.
APR 26 14-PM 1962



CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U. S. A.

APRIL 26, 1962 MILITARY DEFENSE SATELLITES TWO (2) FIRED DOWN THE PACIFIC MISSILE RANGE PRESUMABLY TO GAIN MORE INFORMATION AGAINST RADIATION IN SPACE AND HOW TO DEFEND THE NATION AGAINST NUCLEAR ATTACK.

ANNAL
GEODETIC SATELLITE
Flashing-light Beacon



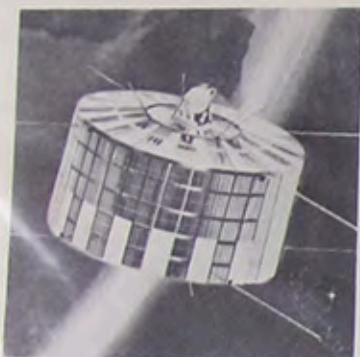
PATRICK AIR FORCE BASE
MAY 10 9-AM 1962
FLA.



- EXPERIMENTS ARE DESIGNED TO:
- Give extremely accurate measurements of the shape of the earth
 - Determine the earth's magnetic field
 - Verify more precise mapping data of distances between two points

Instrument illustrated between earth and satellite is a proportional divider, used in mapping. . . . Any distance measured by the points at one end is equal to that measured by those at the other.

TIROS 5
LAUNCHED JUNE 19, 1962



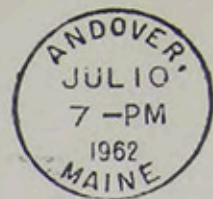
TIROS 5 THE HURRICANE HUNTING WEATHER SATELLITE SUCCESSFULLY LAUNCHED FROM CANAVERAL AND NOW IN PERFECT ORBIT. LAUNCHED ACCORDING TO PRESIDENT KENNEDY'S PLAN TO COOPERATE WITH RUSSIA ON WEATHER SATELLITES.



PROJECT TELSTAR



The Bell System's experimental communications satellite program



TIROS VI



Americas 6th Weather Satellite will send back photos of new storms and weather conditions.



JOHN ZASO
43 FRANK STREET
VALLEY STREAM, L. I.
NEW YORK, U. S. A.

EXPLORER 14

Space Weather Satellite

Launched by Thor-Delta rocket

CAPE CANAVERAL, FLA.

OCT 3 A.M. 1962

4 U.S. MAIL IN SPACE PROJECT MERCURY

TO STUDY: Sun's radiation belt Threat the sun poses to space explorers

VENUS DEC 14 6 PM 1962 PA.

16 LINCOLN

1907 ARROWS TO ATOMS-1957 50th ANNIVERSARY OF OKLAHOMA STATEHOOD 3 UNITED STATES POSTAGE

FIRST TRIP TO ANOTHER PLANET MARINER II THE VENUS PROBE

RELAY I

CAPE CANAVERAL, FLA. DEC 14 8-AM 1962

4 U.S. MAIL IN SPACE PROJECT MERCURY

JOHN ZASO
43 FRANK STREET
VALLEY STREAM, N.Y.

N.A.S.A.'S NEW RELAY SATELLITE LAUNCHED INTO ORBIT DEC. 14, 1962 IT SENT ITS FIRST SUCCESSFUL TELECAST ON JAN. 9, 1963.

Micrometeoroid Satellite HITCHHIKING ON 'SCOUT'

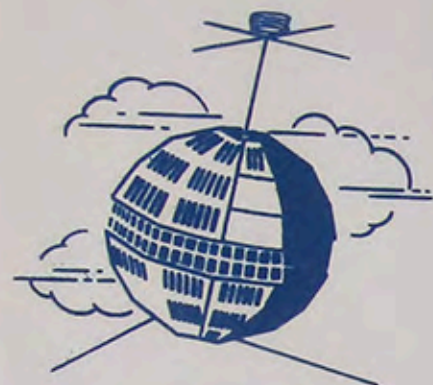
WALLOPS ISLAND, VA. DEC 16 10-AM 1962

COMMUNICATIONS FOR PEACE 4 U.S. POSTAGE

Launched by Scout booster 9:33 A.M. EST

To make a close-up study of 'Space dust' that may pose a major hazard to manned space flights...

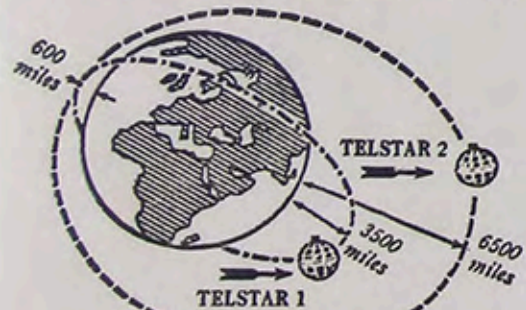
EXPLORER 16



TELSTAR 2



TELSTAR 2
LAUNCHED INTO ORBIT FROM
CAPE CANAVERAL, FLA., MAY 7, 1963



TELSTAR 2 was projected deeper into space than TELSTAR 1, making possible longer transmission periods between the United States and Europe.



TIROS 7



TIROS 7



METEOROLOGICAL SATELLITE
PLACED IN ORBIT WITH THOR
DELTA LAUNCH VEHICLE.
405 MI. APOGEE, 388 MI.
PERIGEE & 58.2 INCLINATION
TO EQUATOR.



EXPLORER 19

4¢ U.S. MAIL IN SPACE
PROJECT MERCURY

WANDENBERG A.F.B. CALIF.
DEC 19 5-PM
1963

POLKA-DOT "Christmas Star"

Will help scientists measure air drag in orbit

Launched by Scout rocket 10:49 A.M. PST

SECRET
Satellite

WANDENBERG A.F.B. CALIF.
DEC 21 5-PM
1963

Launched from Vandenberg, AFB California

ECHO 2 "Mirror in the Sky"

4¢ U.S. MAIL IN SPACE
PROJECT MERCURY

WANDENBERG A.F.B. CALIF.
JAN 25 6-AM
1964

Reflecting Radio & TV signals thousands of miles around the earth

Launched by Thor-Agena B booster 5:59 A.M. PST

ARIEL-2

WALLOPS ISLAND VA.
MAR 27 PM
1964

Measuring galactic "noises" or the radio frequency signals generated by stars and galaxies

US-UK COOPERATIVE SPACE PROGRAM

Launched by SCOUT rocket 12:25 P.M. EST

FIRE I

'Flying Thermometer'

Will measure re-entry heat which future returning Apollo & Lunar spacecraft will encounter

CAPE CANAVERAL, FLA. APR 14 1964 4:42 PM EST

BOX 2286, HUNTINGTON, W. VA.

FIRE I

'Flying Thermometer'

Will measure re-entry heat which future returning Apollo & Lunar spacecraft will encounter

PATRICK AIR FORCE BASE, FLA. APR 15 1964 4:42 PM EST

BOX 2286, HUNTINGTON, W. VA.

ATOM-POWERED SATELLITE

Designed for Worldwide Navigational and Communications Network

Launched by a Thor-Ablestar booster

VANDENBERG A.F.B., CALIF. APR 21 1964 4:14 PM

4c U.S. MAIL IN SPACE PROJECT MERCURY

ATOMIC SHIP SATELLITE

Launched Vandenberg Airforce Base, Calif. Completely Powered by a Nuclear Generator. Navigational Satellite for the Navy Using A "Snap-O" (Systems for Nuclear Auxiliary Powered Isotopic Generator).

VANDENBERG A.F.B., CALIF. APR 21 1964 4:14 PM

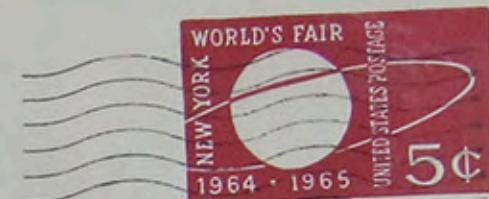
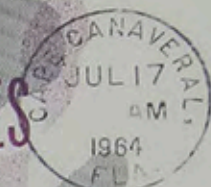
4c U.S. POSTAGE

NUCLEAR DETECTION SATELLITES



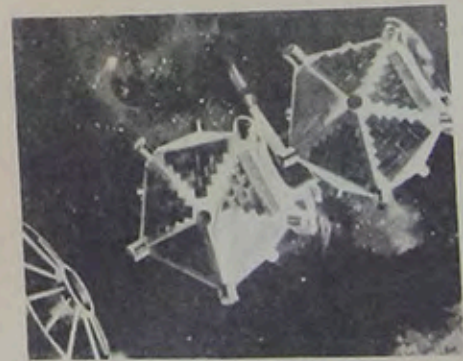
'Radiation
Snoopers'

Launched by Atlas-Agena
4:22 A.M. EDT



BOX 2298; HUNTINGTON, N.Y. 10874

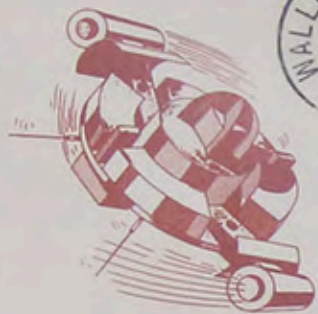
CAPE KENNEDY VELA TWINS



The United States has just fired a pair of watchdog satellites capable of scanning 200 million miles into space to identify a Russian nuclear blast if a test should be held despite a treaty ban to the contrary.

CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.

Space Electric Rocket Test

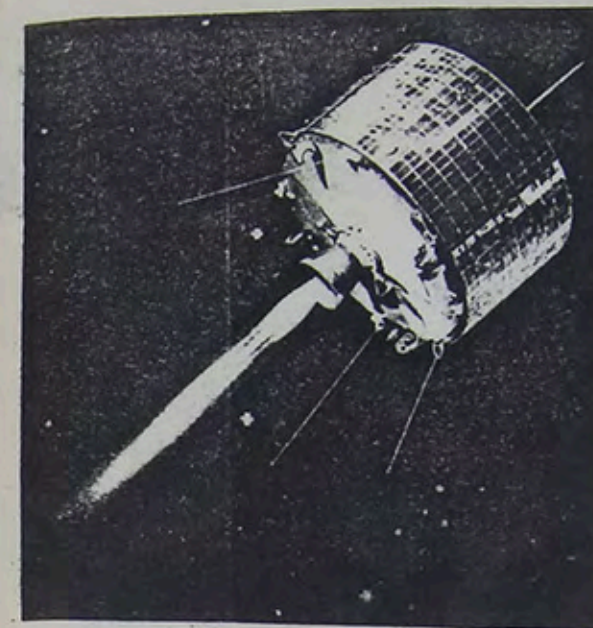


Wallops Island,
JUL 20
AM
1964
VA.



- Designed for future interplanetary flights
- Ion engine develops speeds of 200,000 miles per hour

Launched by Scout booster 5:53 A.M. EDT



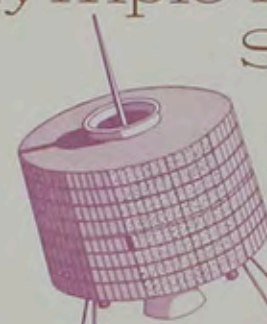
CAPE CANAVERAL,
AUG 19
AM
1964
FLA.



A SYNCOM 3, 831b MOONLET BOOSTED
into ORBIT by a DELTA Rocket
plays back Star Spangled Banner

SYNCOM

Olympic TV-Relay Station



To bring the 1964
Olympic Games
'Live' from Japan



Launched by Thrust-Augmented Delta 8:15 A.M. EDT

CAPE CANAVERAL
AUG 19
A.M.
1964
FLA.



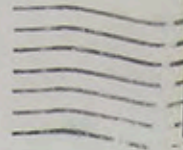
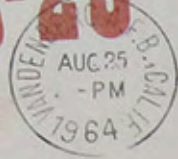
BOX 2286, HUNTINGTON, W. VA.

'TOPSI'
EXPLORER-20



- To investigate why
the ionosphere acts
as a mirror for radio
waves and radar

Launched by Scout booster-9:43 A.M. EDT



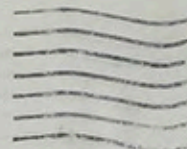
NIMBUS

World's largest
Weather
Station



Transmitting local
cloud-cover pictures
of every spot
on Earth

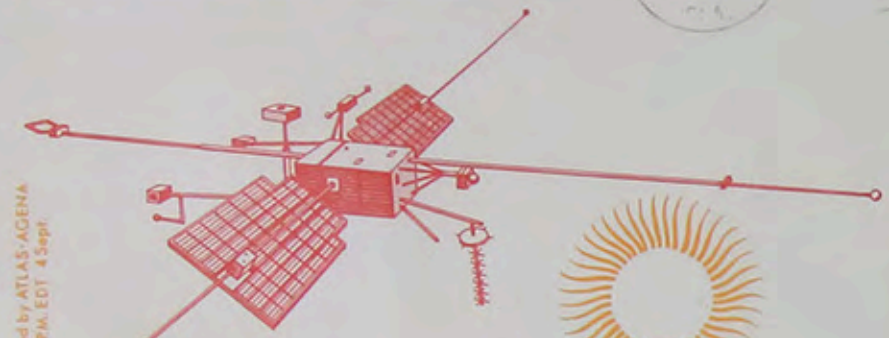
Launched by Thrust Augmented Titan/Agena-B 11:00 A.M. EDT



OGO

PATRICK AIR FORCE BASE
SEP 5
1964
FLA.

WORLD'S FAIR
NEW YORK
UNITED STATES POSTAGE
1964 • 1965
5¢



Launched by ATLAS-AGENA
9:23 P.M. EDT 4 Sept.

Probing for manned spaceflight
hazards caused by the Sun

BOX 2296, HUNTINGTON, W. VA.

FLYING
PHYSICS
LAB'

PATRICK AIR FORCE BASE
OCT 4
AM
1964
FLA.

WORLD'S FAIR
NEW YORK
UNITED STATES POSTAGE
1964 • 1965
5¢



2
ИМПЛОГ ТУМ

To gather research of Cosmic Radiation
through space on swift solar winds

Launched by Delta 11:45 P.M. EDT 3 Oct. 1964

BOX 2296, HUNTINGTON, W. VA.

OGO

CAPE CANAVERAL
SEP 5
A.M.
1964
FLA.

WORLD'S FAIR
NEW YORK
UNITED STATES POSTAGE
1964 • 1965
5¢



Launched by ATLAS-AGENA
9:23 P.M. EDT 4 Sept.

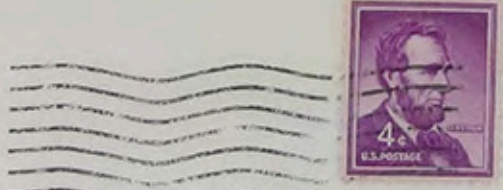
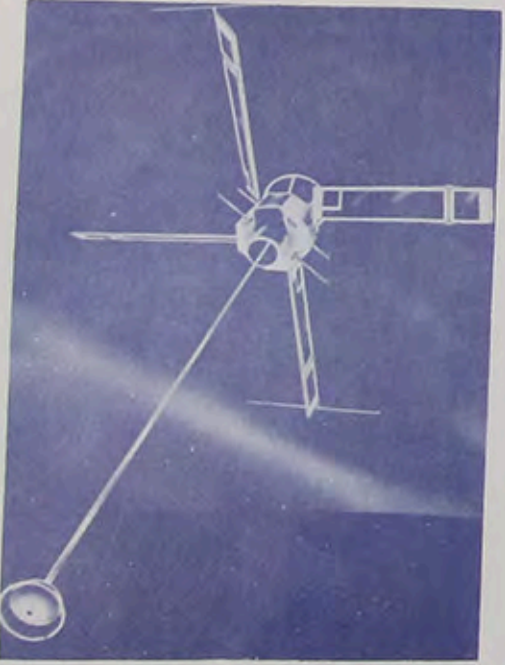
Probing for manned spaceflight
hazards caused by the Sun

BOX 2296, HUNTINGTON, W. VA.

LASER BEAM
EXPERIMENT



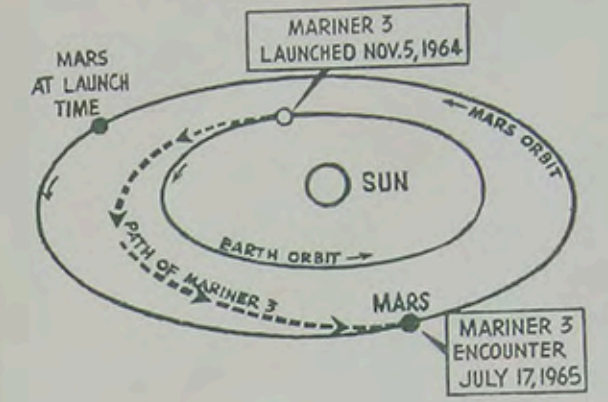
Space Corp.



EXPLORER 22

S - 66 Ionosphere Laser Ray
Beacon Satellite, Vandenberg
Air Force Base, California
October 9, 1964

MARINER-3



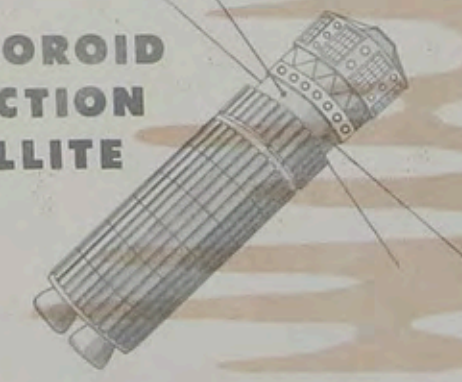
The 574 pound Spacecraft launched 2:22 P.M., Nov. 5, 1964 by Atlas-Agena D, with 370,000 pounds of thrust for an intended 350 million mile trip to the planet Venus, and the Sun because of failure of midcourse correction for the planet Mars.



EXPLORER 22

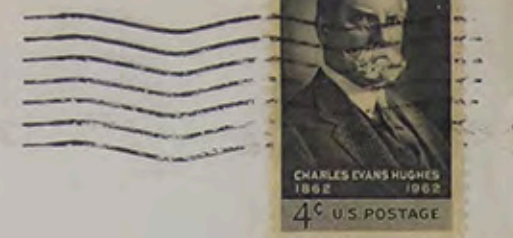
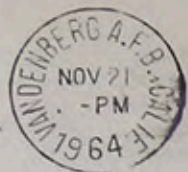
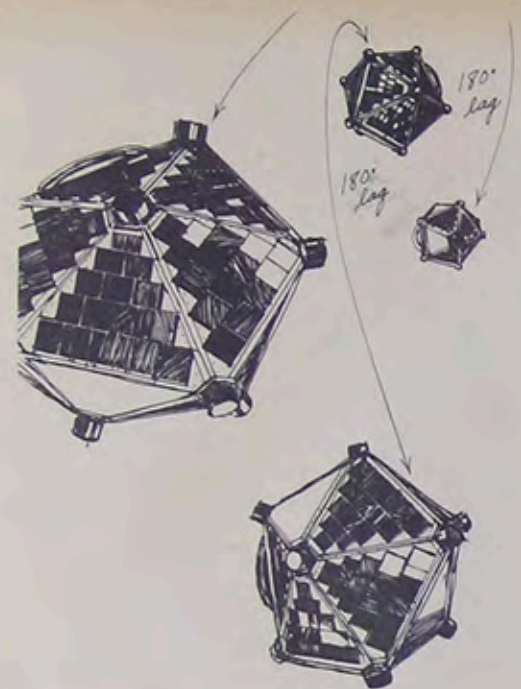


METEOROID
DETECTION
SATELLITE



Launched by SCOUT
7:02 A.M. EST

To Explore Threat of Punctures from 'Space Dust'



EXPLORER 24 and EXPLORER 25
 Launched with single booster.
 Vandenberg Air Force Base.
 First time two satellites sent
 into orbit at the same time.

EXPLORER-24

Air Density



Launched by SCOUT-109A.M. PBT



EXPLORER-25

Space Radiation

MUTT & JEFF SATELLITES

MARINER

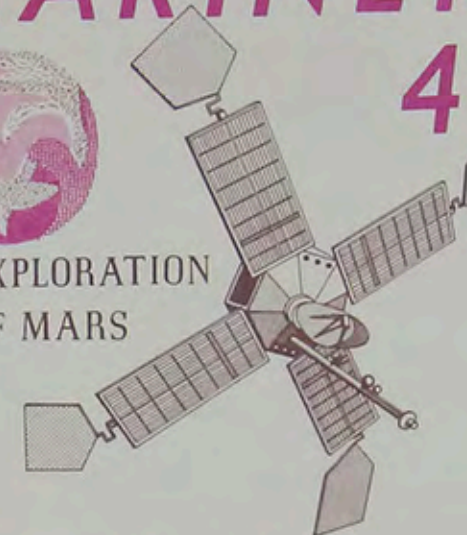


4



TV EXPLORATION
 OF MARS

Launched by ATLAS-AGENA
 9:22 A.M. EST



To collect data of the Martian atmosphere
 for future landing of instruments

BOX 2296, HUNTINGTON, W. VA.

MARINER

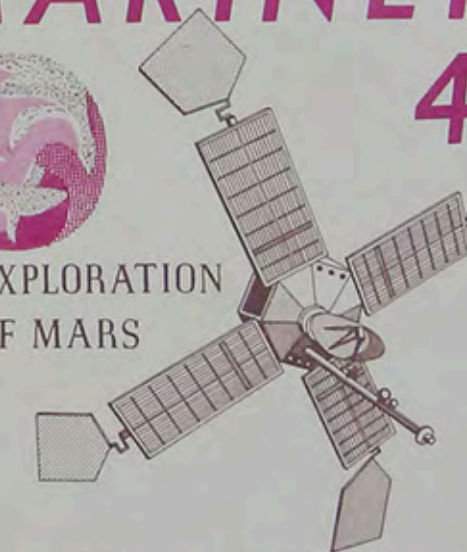


4



TV EXPLORATION
 OF MARS

Launched by ATLAS-AGENA
 9:22 A.M. EST



To collect data of the Martian atmosphere
 for future landing of instruments

BOX 2296, HUNTINGTON, W. VA.

U.S.-ITALIAN
Joint Space Venture

SAN MARCO

PROJECT

• Conducting continuous measurements of air density

Launched by SCOUT booster 3:20 P.M. EST

5c U.S. POSTAGE THE SCIENCES

CAPE CANAVERAL
FLA.
DEC 15
1964

The Electronic Weatherman

World-wide space weather forecasting

TIROS-8

Booster: Delta rocket 4:30 A.M. (EST)

CAPE CANAVERAL
FLA.
DEC 21
1964

5c U.S. POSTAGE THE SCIENCES

EXPLORER 26

RADIATION DETECTION SATELLITE

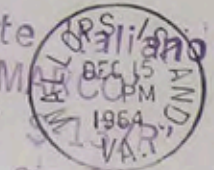
Information obtained from this mission is expected to make important contributions to the Apollo manned lunar landing program

CAPE CANAVERAL
FLA.
DEC 21
A.M.
1964

WORLD'S FAIR
NEW YORK
1964 • 1965
UNITED STATES POSTAGE
5c

BOX 2286, HUNTINGTON, W. VA.

Lancio Primo Satellite
 PROGETTO 'SAN MARCO'
 ITALIA - USA 'SCOUT'
 Rocket fired from
 Wallops Island
 Dicemb e 1964 ore 13.22



U.S.-Italian joint space venture. San Marco launched 3:20 pm est by a Scout booster. San Marco is to study measurements of air density. Apogee is 510 miles, perigee is 128 miles, period is 95 minutes, inclination to Equator is 38 degrees.

BARRY ENZLER
 15 LOTUS STREET
 CEDARHURST, L. I., N. Y. 11516

Project GEMINI
 SUB-ORBITAL LAUNCHING

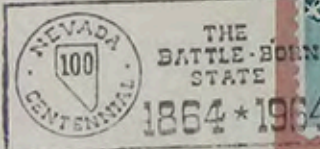


Second unmanned test of two-man spacecraft system

BOX 2296, HUNTINGTON, W. VA.



Flown by rocket from Pyramid Lake of the Pyrate Indian Reservation, Nevada, in commemoration of the start of the IGSY, 1964-1965, and the Fifth Anniversary of the conclusion of IGY, 1957-1958.



FUND FOR ROCKET EDUCATION
 GENERAL DELIVERY
 RENO, NEVADA

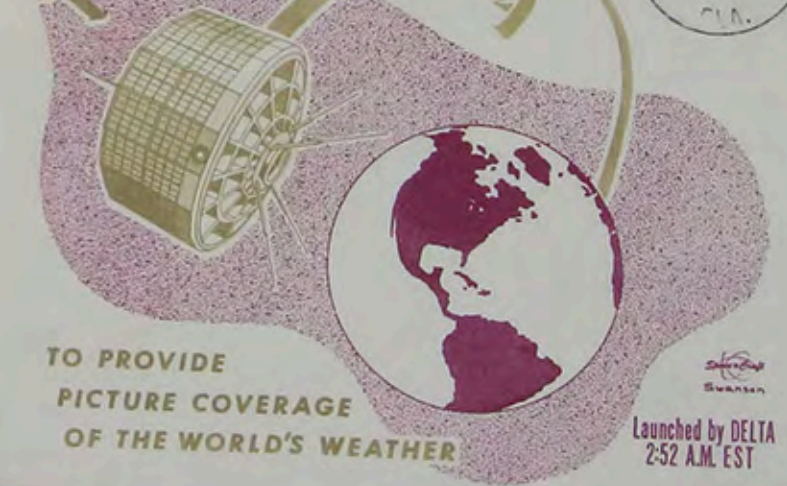
ROCKET RESEARCH INSTITUTE, INC.
 3262 Castera Ave. • Glendale 8, Calif.

FLOWN IN
 ROCKET I



FORWARDED BY
 AIR MAIL

TIROS 'CARTWHEEL'



TO PROVIDE PICTURE COVERAGE OF THE WORLD'S WEATHER

Launched by DELTA 2:52 A.M. EST

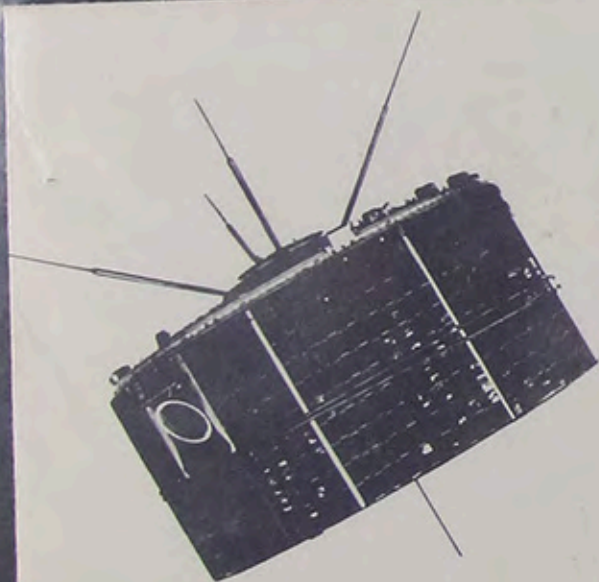
BOX 2296, HUNTINGTON, W. VA.



Cape Kennedy 1/22/65 - Tiros 9 orbited

VIEW OF THE U.S. FROM SPACE: Photograph taken from Tiros 9, put into orbit by the National Aeronautics and Space Administration. According to the agency, the map overlay was traced by a computer receiving signals from the weather satellite as it transmitted the picture. It was received at the NASA station at Wallops Island, Va. The satellite, which orbits the earth about 12 times a day, was about 1,419 miles away.

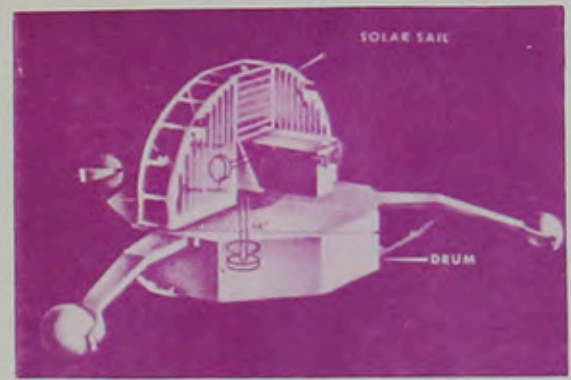
CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.



NASA LAUNCHED TIROS I (eye)
Satellite from Pad 17A at 2:52 A.M.,
EST, Jan. 22, 1965, atop Delta Vehicle



500
 H **OSO 2**
 ORBITING SOLAR OBSERVATORY



Cape Kennedy shoots a Sun-Snooping Observatory into an Earth orbit where its eyes will have a clear view of the Radiation that both sustains and threatens man.

CLYDE J. SARZIN
 PORT WASHINGTON, Is. 1.
 NEW YORK, U.S.A.

RANGER-8

The 808-pound Spacecraft impacted 4:57 A.M. Feb. 20, 1965 in Sea of Tranquility and sends thousands of pictures from Moon's surface. The photographs show the East region near the shadow line.

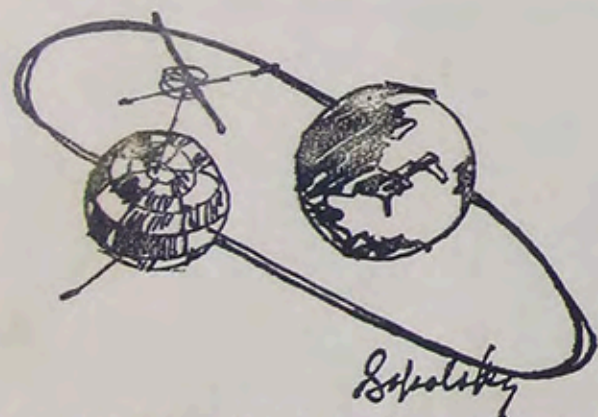




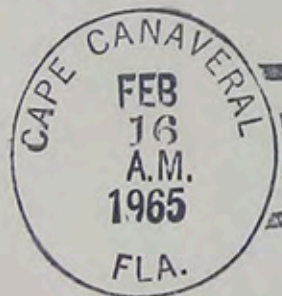
PEGASUS SPACE VEHICLE

Launched out of Cape Kennedy to detect meteoroid dust in space. To protect launching of manned spacecrafts (as depicted in this illustrative cachet).

CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.



PEGASUS SATELLITE
is launched on a meteor
detection mission in an
effort to determine if they
could be used as shoals
for future spaceships.
Launched 9:37 A.M.

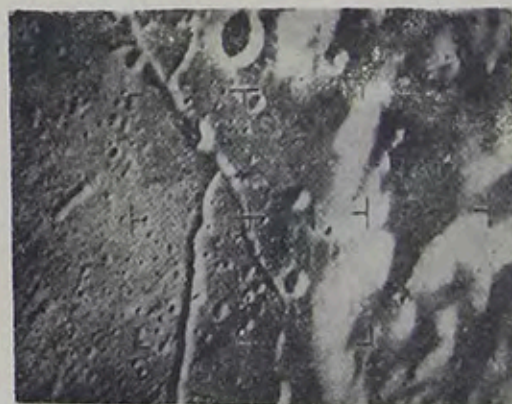


RANGER 9 - U.S. MOONSHIP

Perfect range on target - will photograph moon and send back photos by television. Last of the Ranger's paving the way to the eventual landing on the moon by our moon-bug (as illustrated in cachet).

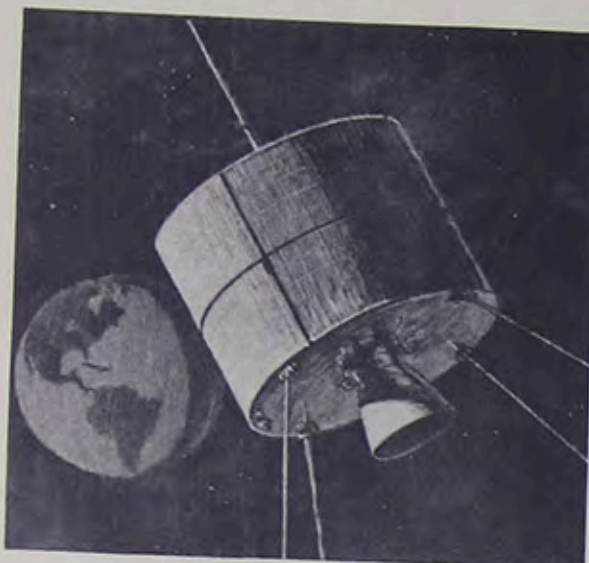
CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.

RANGER IX

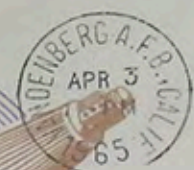
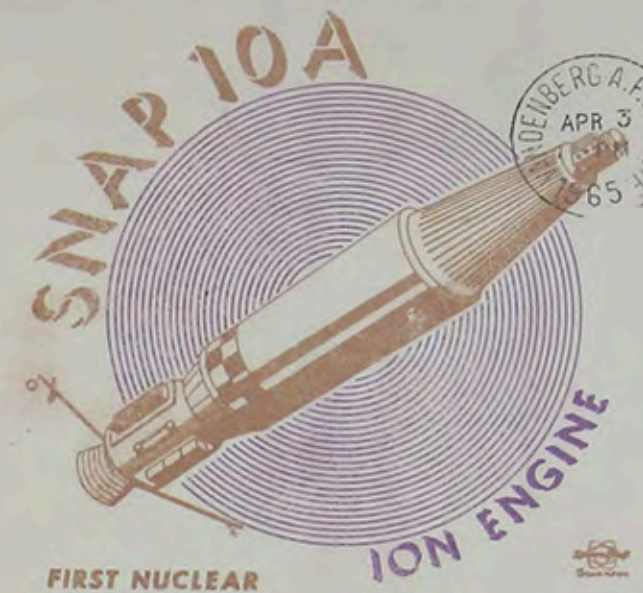


TELECASTS SCENES FROM THE MOON
Ranger-9 today flashed live television pictures of the Moon before crashing in Alphonsus crater 9:08 A. M., March 24, 1965. This picture was made from an altitude of 115 miles in last minute and 17 seconds before impact and shows the East edge of Alphonsus floor.

SATELLITE "EARLY BIRD"



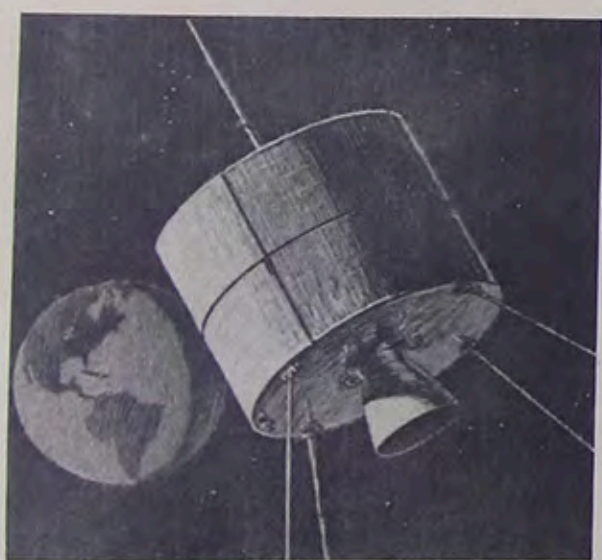
World's first commercial space venture. Communication Satellite Corporation Comsat 23,300 mile high stationery orbit satellite will soon relay telephone conversations and all forms of communications between North American and Europe.



SNAP 10A
FIRST NUCLEAR POWER SYSTEM
 • Radiation testing of reactor
 • Thrust experiment of Ion engine

Launched by Atlas-Agena 1:24 PM PST

SATELLITE "EARLY BIRD"

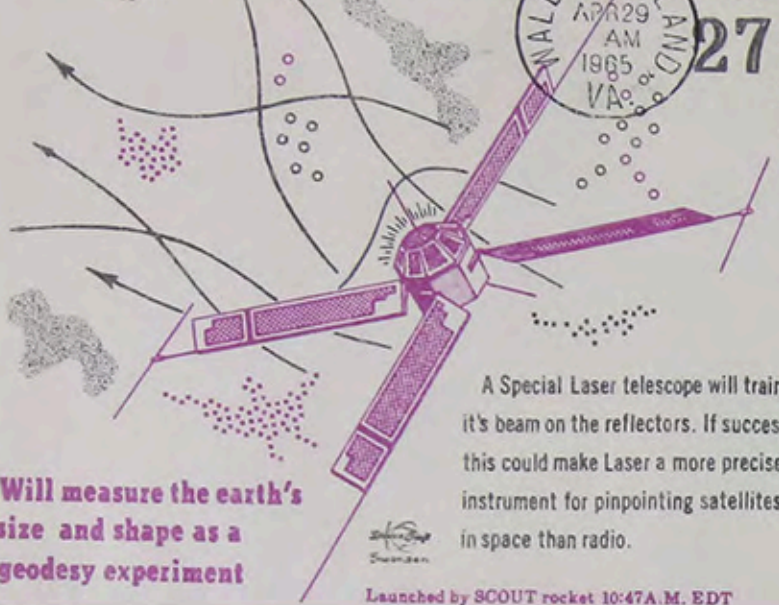


World's first commercial space venture. Communication Satellite Corporation Comsat 23,300 mile high stationery orbit satellite will soon relay telephone conversations and all forms of communications between North American and Europe.

CLYDE J. SARZIN
 PORT WASHINGTON, L.I.
 NEW YORK, U.S.A.



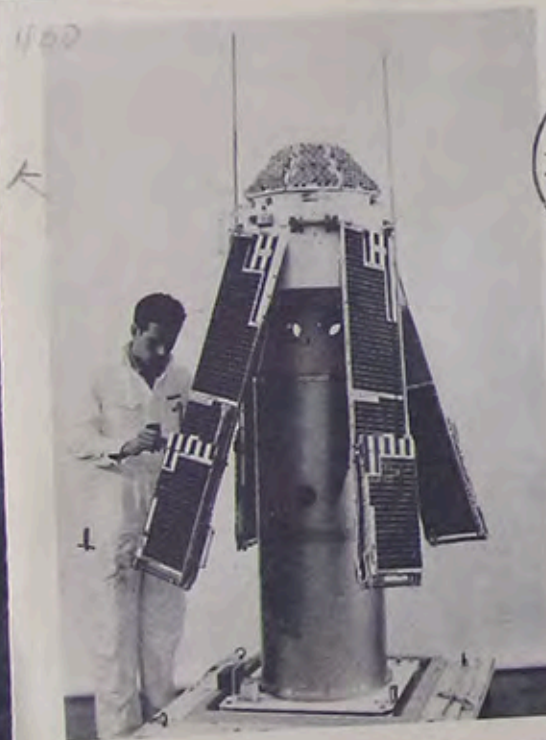
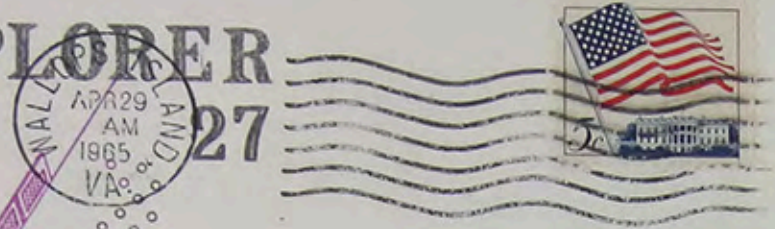
BEACON EXPLORER



Will measure the earth's size and shape as a geodesy experiment

A Special Laser telescope will train its beam on the reflectors. If successful this could make Laser a more precise instrument for pinpointing satellites in space than radio.

Launched by SCOUT rocket 10:47A. M. EDT



BEACON EXPLORER SATELLITE LAUNCHED TODAY BY NASA

Purpose - To map irregularities in the Earth's Gravitational field.

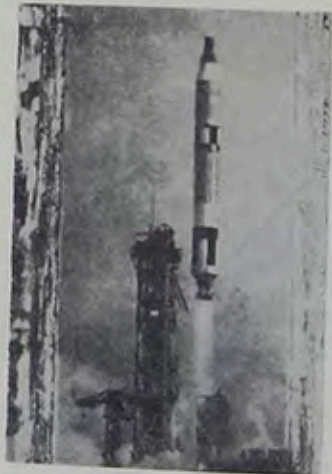


INTERPLANETARY SPACE LABORATORY

IMP 3 launched Cape Kennedy May 29, 1965. The purpose is to measure space radiation hazards along the astronaut's pathway to the moon.

CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.

PROJECT GEMINI

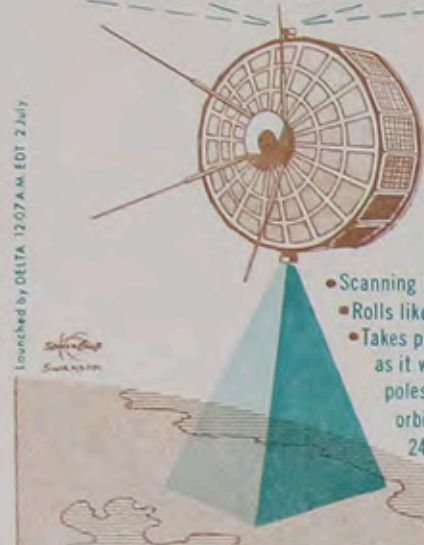


GT-4 SPACE WALK MISSION

Astronauts James McDivitt and Edward White launched by Titan 2, 11:16 A.M., June 3, 1965.

Purpose: Astronaut White's first U.S.A. space walk.

NEW WEATHER EYE



- Scanning the entire Earth
- Rolls like a Cartwheel
- Takes pictures from space as it whirls around the poles in a north-south orbit 12 times every 24 hours

TIROS-10



BOX 2296, HUNTINGTON, W. VA.



Tiros-X



HISTORIC MARINER-IV MARS EXPEDITION



MARINER-IV arrives 5:20 P.M., P.D.T. July 14 1965 after a 228 day voyage with 325,000,000 miles trip to the red mysterious planet.

MA-4 transmitted 140 million miles straight line to the Earth.

The spacecraft will send 21 pictures to the Jet Propulsion Laboratory in California.

NUCLEAR EXPLOSION



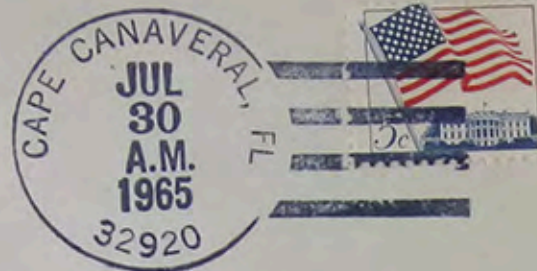
Twin 'Watchdog'

Satellites are Space Sentries guarding against violations of the new nuclear test ban treaty

Detection Satellites



BOX 2296, HUNTINGTON, W. VA. 25724



PEGASUS #3
Meteoroid detection satellite lunched
Cape Kennedy. Purpose: Protection
of our men going to the moon. (U.S.
astronaut on moon depicted here)

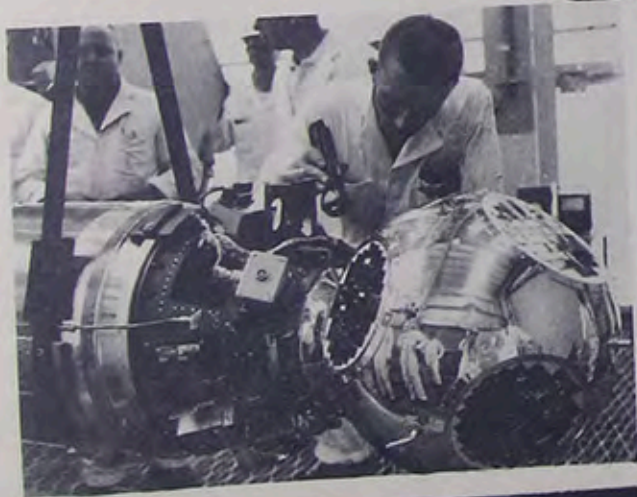
CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.



SUN OBSERVATORY SATELLITE SUCCESSFUL
LAUNCHING AT CAPE KENNEDY AUGUST
25, 1965 SATELLITE FIRED ON A THOR-DELTA
ROCKET. IN ORBIT.

CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.

300
SECOR SATELLITE
LAUNCHED AT WALLOPS

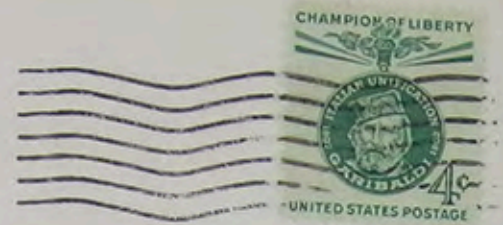
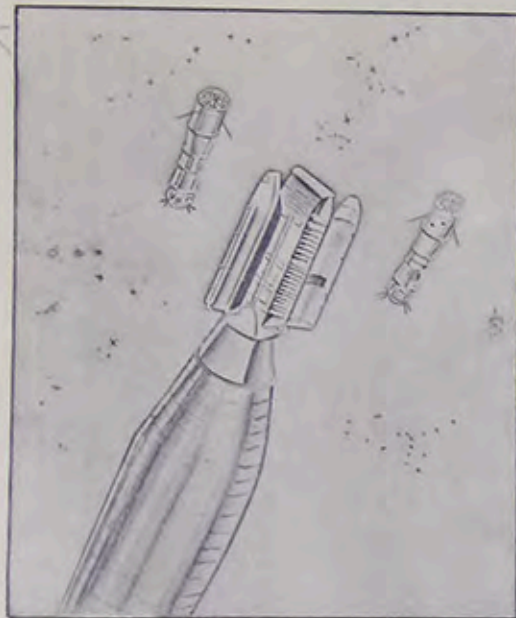


(Scout evaluation vehicle maneuverable
in space satellite type)



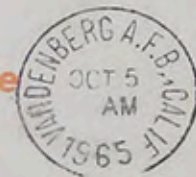
Launched by DELTA 11:05 A.M. EDT

BOX 2386, HUNTINGTON, W. VA.



OV1-2 ROCKET FLIGHT. Atlas D carries 2 small rockets to detect ambient radiation environment, results of these experiments will be used in the design of future spacecraft to assure adequate protection for human occupants. An ion chamber measures the effect of nuclear radiation on simulated human tissue.

OV1-2 Aerospace Research Satellite



Launched by ATLAS D
2:05 AM PST

To test radiation shielding requirement designed to map and monitor particle radiation in space . . .



Explorer 29

Will serve as a lighthouse in the sky to help map makers and scientists solve some of the problems of earth

Launched by DELTA 1:39 P.M. EST



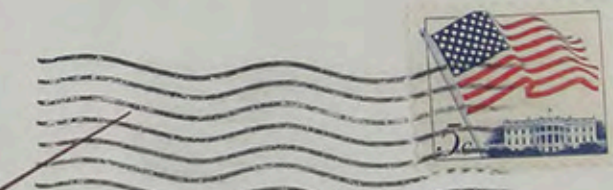
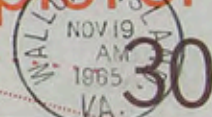
BOX 2296, HUNTINGTON, W. VA. 25724




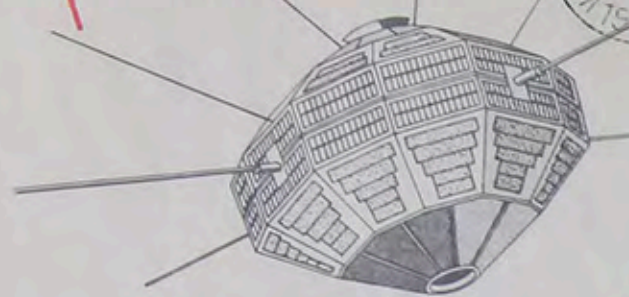
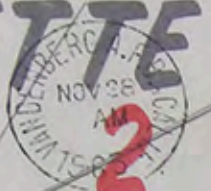
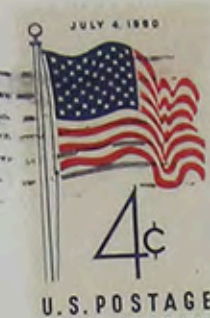
Explorer 30

Will measure solar flares which produce intense hazardous problems to manned activities in space

Launched by Scout booster - 11:48 P.M. EST 18 Nov. 1965



ALOUETTE

Canadian-U.S. International satellites for the Ionospheric Studies Program

Space Fact Finder Explorer 31

Launched by Thor-Agena B
8:48 P.M. PST 28 Nov.

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apollo PROGRAM







1st SUB-ORBITAL MISSION

*First Apollo Moon Capsule Flight
5,500 Mile Heat Re-Entry Test
Launched 11:13 AM - Recovered 2:13 PM*

WORLD-WIDE WEATHER PHOTO COVERAGE

ESSA-1





Launched by DELTA - 2:41 A.M. EST

"PAIR OF EYES"

TIROS, promoted from 'research' status, is taken over by Weather Bureau.

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SATURN IB






First Flight-Rated APOLLO Model Three-man spacecraft in sub-orbit flight.....

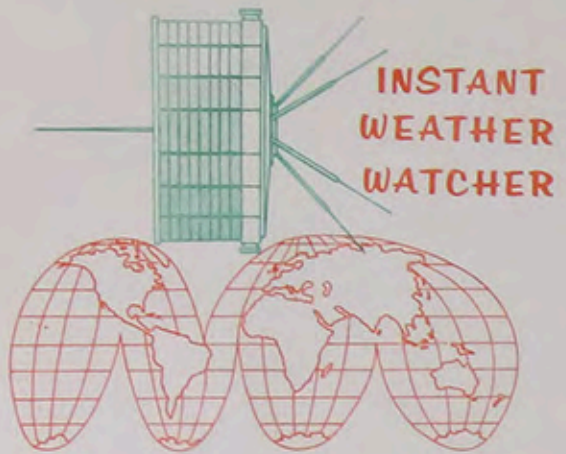
SATURN IB IS THE SECOND GENERATION OF SATURN ROCKETS

To test re-entry heat shield and other facilities before attempting manned flight

Launched 11:12 A.M. EST
Impact and recovery of Apollo spacecraft 5,500 miles down range in the South Atlantic.

BOX 2296, HUNTINGTON, W. VA. 25724

Tiros Operational Satellite



INSTANT
WEATHER
WATCHER

ESSA-2

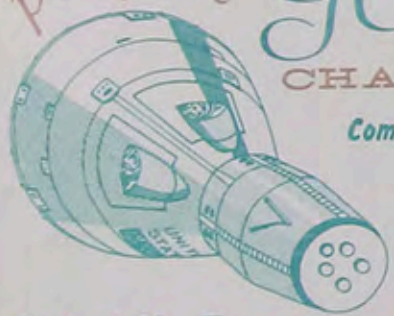
LAUNCHED BY DELTA 8:58 A.M. EST



BOX 2296, HUNTINGTON, W. VA. 25724

project GEMINI

CHASE in SPACE



Command Pilot -
Neil A. Armstrong
Pilot -
David R. Scott

World's First
docking of two
vehicles in space



Agena target launched 10:00 A.M. EST by Atlas
Gemini-8 launched 11:41 A.M. EST by Titan 2

Gemini 8 impacted at 10:23 P.M. EST 3-16-66
Astronauts picked up by U.S.S. Mason at 1:28 A.M. EST 3-17-66



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U.S.A.
MAN IN SPACE

GEMINI VIII



Star Gazing From Space



For the first time in history, give
scientists, a view of the heavens
that will be completely unclouded
by the earth's atmosphere

Launched by Atlas-Agena 2:06 P.M. EST



BOX 2296, HUNTINGTON, W. VA. 25724

Instant day & night weather photos via TV cameras in space

Launched by Thor Aeson B-1256A.M. PDT-15 May

NIMBUS-2



BOX 2296, HUNTINGTON, W. VA. 25724

'SAC' Minuteman

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B
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Rocket launched from Vandenberg AFB California

VIA AIR MAIL

DONALD R. GRAF
BOX 547
N. TONAWANDA, N. Y. 14121

APR 4 AM '66
VANDEMBERG A.F.B. CALIF. 9475

EXPLORER-32

Launched by Delta-10:00 A.M. EDT

- To provide atmospheric data to help define the unknown regions of the upper atmosphere on a global basis.

CAPE CANAVERAL, FL
MAY 25 AM 1966
32920

NEW YORK
WORLD'S FAIR
MAY 1964 - 1965
UNITED STATES POSTAGE
5c

BOX 2296, HUNTINGTON, W. VA.

SURVEYOR

SURVEYOR FLIGHT PROFILE TO MOON

CAPE CANAVERAL, FL
MAY 30 A.M. 1966
32920

First U. S. Soft Landing On The Moon
Surveyor's First Live TV Moon Photos
Launched May 30, 1966 10:41 AM EDT

OGO 3
Universal payload carrier



Atlas/Agena-B booster 10:40 P.M. EDT 6 June

Versatility qualifies it for scientific missions in:

| | | |
|-------------|-------------|---------------|
| Physics | Biology | Communication |
| Photography | Meteorology | Navigation |

BOX 2296, HUNTINGTON, W. VA. 25724

CAPE CANAVERAL, FL JUN 7 AM 1966 32920




OGO 3 ORBITING GEOPHYSICAL OBSERVATORY

A big bug-like satellite packed with more experiments than any previous scientific spacecraft, vaulted into orbit today to probe the hidden secrets of the sun's relationship to the earth.

CLYDE J. SARZIN
 PORT WASHINGTON,
 NEW YORK, U.S.A.

CAPE CANAVERAL, FL JUN 7 AM 1966 32920



TITAN 3C MILITARY NETWORK LAUNCHING



PATRICK AIR FORCE BASE, FL JUN 16 AM 1966 32925



Fantastic launching on June 16, 1966 of the Titan 3C crammed with 8 satellites that will be used to establish a world-wide military communications network 20,940 miles above the equator.

CLYDE J. SARZIN
 PORT WASHINGTON, L. I.
 NEW YORK, U.S.A.



THE UNITED STATES orbited SEVEN MILITARY COMMUNICATION SATELLITES that could link MILITARY BASES AROUND THE WORLD. Cape Kennedy, Florida June 15, 1966

U.S. POSTAGE
 5c

CAPE CANAVERAL, FL JUN 16 A.M. 1966 32920

Cancel delayed
 Launching after P.O. closed

AIR FORCE TITAN 3C

'SAC' Minuteman

INSTANTICBM



ROBERT H. GODDARD
U.S. AIR MAIL 8c


MAY 17 - PM
YANDEMBERG A.F.B. CALIF. 9666

VIA AIR MAIL

DONALD R. GRAF
BOX 547
N. TONAWANDA, N. Y. 14121

Rocket launched from
Yannderberg AFB California

AIMP ANCHORED INTERPLANETARY MONITORING PLATFORM



Today NASA has successfully sent off into space the AIMP into a lunar orbit for study of the seething ocean of cosmic tides and currents.

CLYDE J. SARNEN
PORT WASHINGTON, N. Y.
NEW YORK, U.S.A.

JUL 1 PM 1966
AIR FORCE USE ONLY
3-2023

5c

PAGEOS-1

SPACE BALLOON



An extensive Earth mapping program

Launched by: Thrust Augmented Thor-Agena D

5:12 P.M. PDT - 23 June 1966

JULY 4, 1966

U.S. POSTAGE 4c

JUN 23 - PM
YANDEMBERG A.F.B. CALIF. 9666

EXPLORER 33

AIMP

'Anchored' in orbit around the earth to study interplanetary space



Providing valuable information for the Apollo lunar landing

Launched by: DELTA (TAD) 12:02 P.M. EDT

JUL 1 AM 1966
CAPE CANAVERAL, FL

AND THE GLOW FROM THAT FIRE CAN TRULY LIGHT UP THE NIGHT SKY

5c

BOX 2296, HUNTINGTON, W. VA. 25724

Apollo II

FIRST ORBITAL MISSION

Saturn Moon Rocket 2nd Stage Orbited
Liquid Hydrogen Fuel Space Test
92 Ft. 58,500 Stage Fired 10:53 AM EDT

CAPE CANAVERAL FL
JUL 5 A.M. 1966
32920

APOLLO III

1st Fully Equipped Apollo Spacecraft Test
1st Flight Apollo Guidance & Navigation Systems
19,000 Mph Heat Shield Re-entry Test
Launched 1:16 PM - Recovered 2:49 PM EDT

CAPE CANAVERAL FL
AUG 25 P.M. 1966
32920

LUNAR ORBITER

1st U. S. Satellite To Orbit Moon
Select Astronaut Moon Landing Sites
Photograph Dark Side of The Moon
Launched 8-10-66; 3:26 P. M.
235,466 Mi Flight

CAPE CANAVERAL FL
AUG 10 P.M. 1966
32920

'SAC' Minuteman

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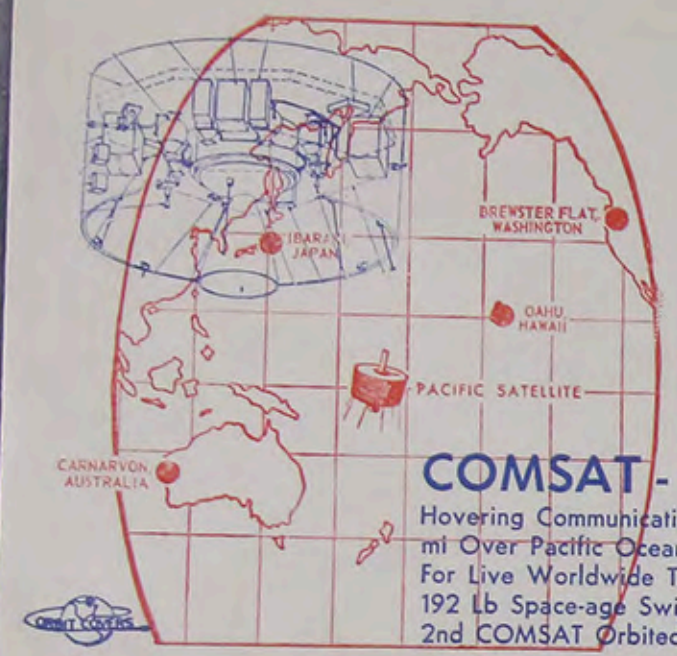
Rocket launched from Vandenberg AFB California

VIA AIR MAIL

DONALD R. GRAF
BOX 547
N. TONAWANDA, N. Y. 14121

ROBERT F. EDDARD
U.S. AIR MAIL 8

VANDEMBERG AFB CALIF
JUN 24 - PM
1966



CAPE CANAVERAL, FL
OCT 27
AM
1966
32920



COMSAT-LANI BIRD
 Hovering Communications Satellite 22,300
 mi Over Pacific Ocean
 For Live Worldwide TV by INTELSAT Org.
 192 Lb Space-age Switchboard
 2nd COMSAT Orbited, 6:05 PM EST 10-27-66

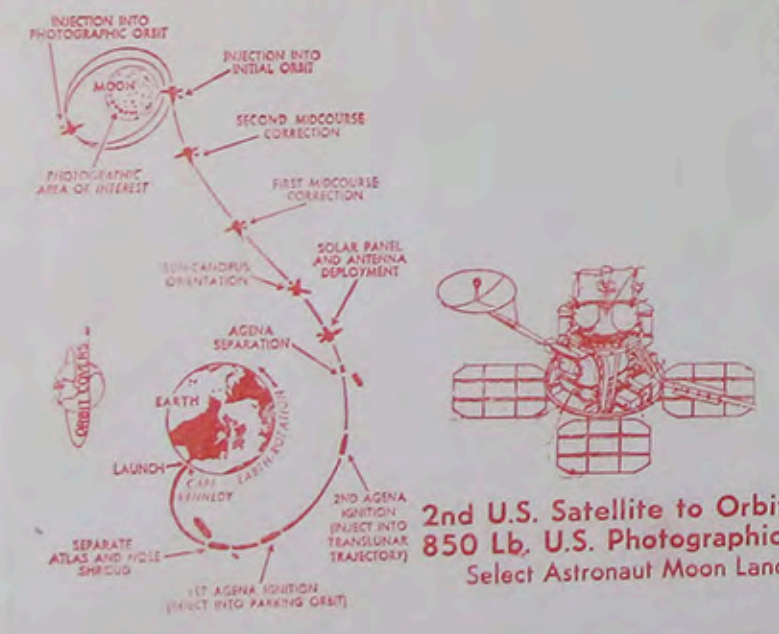


WALLOPS ISLAND, VA.
NOV 9
PM
1966



ARGENTINE "ORION 2"
 12:43 p.m. Nov. 9, 1966 first successful flight of a rocket launched with a parachute as part of the payload which deployed immediately as programmed. Using radars at Wallops, a helicopter was directed to the precise position to intercept it.

LUNAR ORBITER



CAPE CANAVERAL, FL
NOV 7
A.M.
1966
32920



2nd U.S. Satellite to Orbit The Moon
 850 Lb. U.S. Photographic Spacecraft
 Select Astronaut Moon Landing Sites

ORBIT COVERS
 1307 Nelson Ave.
 NYC NY 10459

BIOsatellite
'Noah's Ark' of Space

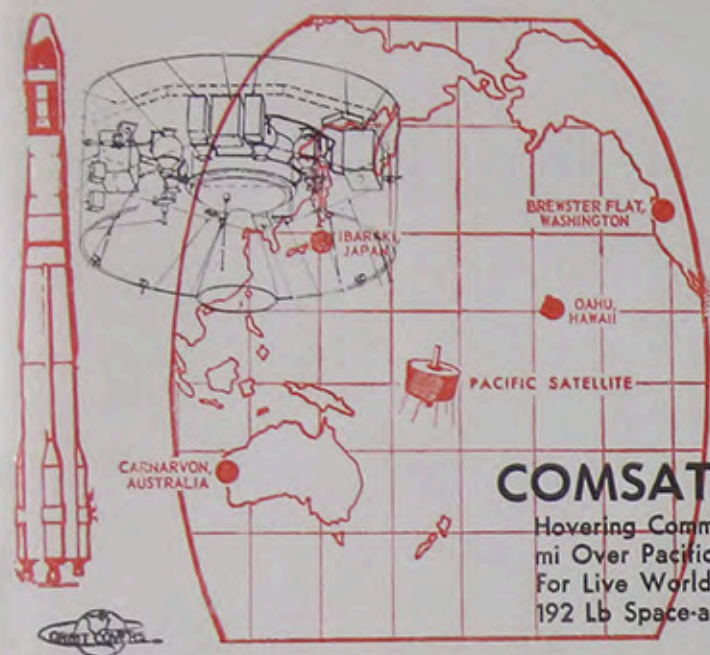
WALLOPS ISLAND, VA.
DEC 14
PM
1966



MISSION:
 • Earth-orbiting Biological laboratory, designed to investigate effects of weightlessness on living organism.
 • Will furnish vital information for long manned space flights.

Launched by THOR-DELTA 2:20 P.M. EST

Swanson
 BOX 2296, HUNTINGTON, W. VA. 25724



CAPE CANAVERAL, FL
 JAN 11
 A.M.
 1967
 32920



COMSAT - LANI BIRD II

Hovering Communications Satellite 22,300
 mi Over Pacific Ocean
 For Live Worldwide TV by INTELSAT Org.
 192 Lb Space-age Switchboard

ESSA 4

Today launched at Vandenberg
 Air Force Base, California.



TIROS

VANDENBERG AFB, CALIFORNIA
 JAN 26
 AM
 1967



Weather (eye-in-the-sky) operational Tiros
 satellite replaces Essa 2. Its 2 cameras will
 photograph the earth's cloud cover daily and
 send pictures immediately to ground stations
 around the world.

LUNAR ORBITER 3



CAPE CANAVERAL, FL
 FEB 5
 A.M.
 1967
 32920



Third U.S. Satellite to Orbit The Moon
 850 Lb. U.S. Photographic Spacecraft
 Verify LO-1 & LO-II Photos
 Select Astronaut Moon Landing Sites



CAPE CANAVERAL, FL
MAR 23
A M
1967
32920



COMSAT-CANARY BIRD III

Radio Relay Between Earth and
Moon-Bound Astronauts
Hovering Communications Satellite 22,300
mi Over Atlantic Ocean
For Live Worldwide TV by INTELSAT Org.
192 Lb Space-age Switchboard



CAPE CANAVERAL, FL
MAR 23
A M
1967
32920



Serving as a Switchboard
for four continents
To be a key relay point
between the earth and
Moon-bound Astronauts
Launched by DELTA 8-30 PM, EST
MARCH 22, 1967

BOX 2286, HUNTINGTON, W. VA.

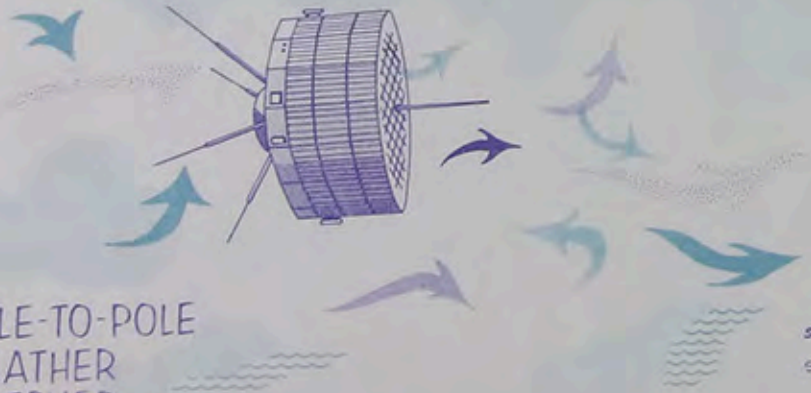
CAPE CANAVERAL, FL
APR 20
A M
1967
32920



Launched by Delta-6:21 AM PST

**POLE-TO-POLE
WEATHER
WATCHER**

Transmitting world-wide weather photos



SURVEYOR 3

CAPE CANAVERAL, FL
APR 18
A M
1967
32920



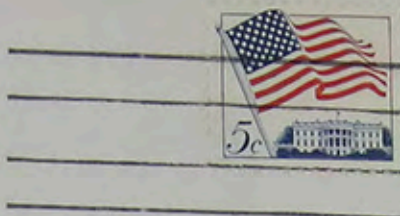
Soft landing of our third Surveyor space vehicle
now busy sampling the soil of the moon, just as
will our future astronauts as here depicted.

SOFT LANDS ON THE MOON

CLYDE J. SARGIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.



CAPE CANAVERAL FL
APR 28
A M
1967
32920



SPIES IN THE SKY LAUNCHED CAPE CANAVERAL
Vela Nuclear Detection Satellites Launched by Titan 3C

CLYDE J. SARZIN
PORT WASHINGTON, L. I.
NEW YORK, U.S.A.



KENNEDY SPACE CENTER
JUL 1
A M
1967
FL



TITAN-III C

USAF launched today from Cape Canaveral
8 defence Communications Satellites into orbits.



CAPE CANAVERAL FL
APR 28
A M
1967
32920



VELA 7-8
TITAN-3C

Launched today two research Satellites at 5:01 a.m. EST
731 lbs each, to detect nuclear test in earth atmosphere or in
deep space, ranging a elliptical orbit from 5,400 to 69,000 miles high.



O. S. O - 4 Sun Lab

Launched by Delta at 11:58 a.m. EST Oct. 18, 1967

OSO-4 explore the solar influence in inter-planetary space,
measure cosmic gamma ray radiation and sun's ultra-violet light.



FDC BOX 5454
CLEVELAND OHIO 44101



O. S. O - 4 Sun Lab

Launched by Delta at 11:58 a.m. EST Oct. 18, 1967

OSO-4 explore the solar influence in inter-planetary space,
measure cosmic gamma ray radiation and sun's ultra-violet light.



INTELSAT LAUNCH BLASTED IN SKIES
World's largest communication satellite
a super sophisticated \$11 million package
destroyed because of Delta rocket tumbling.

Mr. Ronald Williamson
5689, Washington Street
Sherry Hills, N.J. 08034



MARINER - 7

Fly By Mars South Pole

MA - 7 fly by Mars at a distance of 2080 miles from the planet's surface,
send this photo and show Mars south region, with the rugged South Pole. POSTAL SERVICE