

WOMEN IN SPACE

**COSMONAUTES, ASTRONAUTS AND
TAYKONAUTS IN SPACE**

**PHILATELIC COLLECTION AND REMINDS
OF LUIGI BUSSOLINO , ITALIAN
AEROSPACE ENGINEER.**

SCHEDA DI PRESENTAZIONE DELLA COLLEZIONE

“ WOMEN IN SPACE ” di Luigi C. BUSSOLINO

Classe TEMATICA OPEN

CARATTERISTICHE DELLA PARTECIPAZIONE

Presentazione delle missioni spaziali in cui hanno partecipato donne come astron aute siano state pilota o specialiste di missione o turiste.

Prima partecipazione a concorso

SVILUPPO DELLA COLLEZIONE :

Per ogni astronauta donna buste dei loro viaggi nello spazio con l'aggiunta di qualche foto in ricordo del mio lavoro svolto con alcune di loro.

URSS & Russian Cosmonautes

**TERESKOVA, SAVITSKAYA, KONDAKOVA and
SEROVA**

USA, Canadian and Japanese Astronauts

**RIDE, RESNIK, SULLIVAN, FISHER; SEDDON, LUCID,
DUNBAR, CLEAVE, BAKER, THORNTON, IVINS,
GODWIN, JERNIGAN, FULFORD, BONDAR
(Can.), DAVIS, JAMISON, HELMS, OCHOA, VOSS,
CURRIE, MUKAI (Jap.), COLLINS, LAWRENCE,
WEBER, COLEMAN, STILL KILRAIN, CHAWLA,
HIRE, KAVANDI, PAYETTE (Can.), MELROY,
WHITSON, MAGNUS, CLARK, WILSON, NOWAK,
STFANYSHYN, Sunita WILLIAMS,
HIGGINBOTHAM, DYSON, MORGAN, NYBERG,
McARTHUR, STOTT, METCALF LINDENBERGER,
YAMASAKI (JAP.), WALKER, RUBINS.**

**G.BRITAN: SHARMAN, FRANCE: HAIGNERé,
IRAN/USA: ANSARI, SOUTH KOREA : SO-YEAN,
CHINA : LIN YANG & WANG YAPING, ITALY :
CRISTOFORETTI.**

Women in Space

Valentina TERESHKOVA (March 6th 1937) - First woman in space in absolute on Vostok 6 on June 16th 1963 for 72 hours.

Hereafter enclosed three special Russian cancellations and official portrait of the cosmonaut.



Women in Space

Valentina TERESKOVA



ЖЕНЩИНА
В космосе
В.В. ТЕРЕШКОВА
ЯРОСЛАВЛЬ-ПОЧТАМИ
18.7.1963

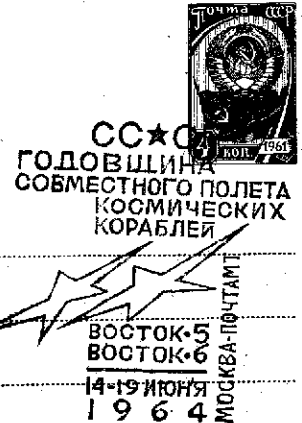
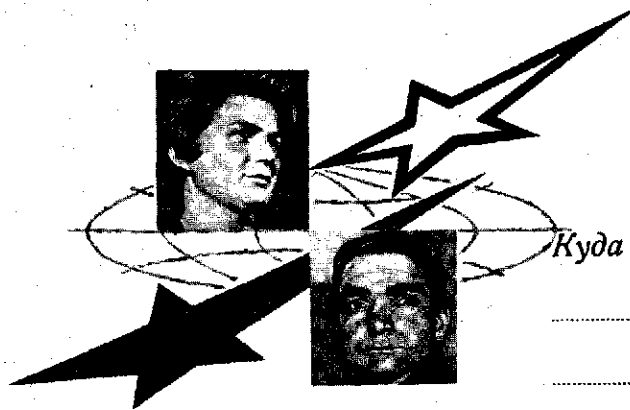


Первая в мире
гражданка Союза Советов
Валентина Владимировна ТЕРЕШКОВА

ПОЧТА СССР
4 К

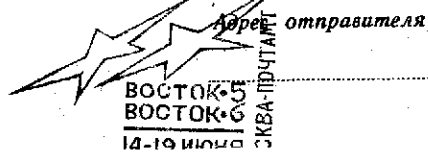
Women in Space

Valentina TERESKOVA



ГОДОВЩИНА
СОВМЕСТНОГО
ПОЛЕТА
КОСМИЧЕСКИХ
КОРАБЛЕЙ
„ВОСТОК-5“,
„ВОСТОК-6“

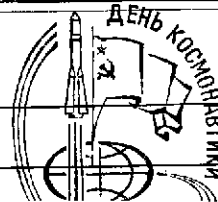
СССР Кому
ГОДОВЩИНА
СОВМЕСТНОГО ПОЛЕТА
КОСМИЧЕСКИХ
КОРАБЛЕЙ



А В И А

СЛАВА
ГЕРОЯМ
КОСМОСА!

6/II 1973. МПФ. Зак. 12331. Цена 5 коп.



К 20-ЛЕТИЮ ПОЛЕТА



Куда

Коммунальное предприятие связи и адрес отправителя

Индекс предприятия связи и адрес отправителя

ЯПК Зак. 414. Тип. 3000 п/п 23.05.83.

Индекс предприятия связи места назначения

Russia's two space travellers re-united on Earth

RUSSIA'S two space travellers, Lt.-Col. Bykovsky, who has broken the world record by staying in orbit for all but five days, and Miss Valentina Tereshkova, embracing after they came down, apparently by parachute, in Kazakhstan, the Soviet Central Asian Republic. Col. Bykovsky landed on his 82nd orbit and Miss Tereshkova during her 49th.



© Their moment of triumph... Side by side the cosmonauts wave their bouquets to the cheering crowd.

Women in Space

Valentina TERESKOVA in occasion of 50° Anniversary of the first flight in space

Gemeinsame Deutsch-Russische
Ausstellung der Weltraum Philatelie

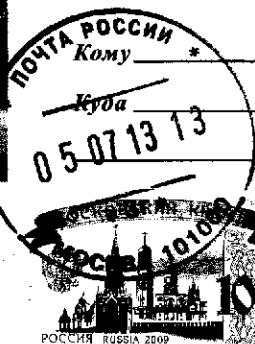


Erlebnis: Briefmarken – Auflage: 500 Stück

Deutsche Post 
PHILATELIE



От кого Царенко С.Б., д/в
Откуда Москва 101000
Индекс места отправления



Прибыткову А.В., д/в
Москва 101000
© PrAv-pont

Women in Space

Svetlana SAVITSKAYA (August 8th 1948) - Second woman in space in absolute but first woman to make two spaceflights (Soyuz T 5 on July 19th 1982 and Soyuz T 12 on July 17th 1984), first woman to perform a spacewalk (July 25th 1984) and first woman to fly to a space station (Salyut 7 1982). In space for more than 472 hours.

Hereafter enclosed a special Russian cancellation for EVA, official portrait of the cosmonaut and covers with her signature.



IV МЕЖДУНАРОДНАЯ
ФИЛАТЕЛИСТИЧЕСКАЯ
ВЫСТАВКА
г. Эссен (ФРГ)



25 ЛЕТ
КОСМИЧЕСКОЙ
ЭРЫ

Куда _____

Ком. _____

Индекс предприятия свя
и адрес отправителя

===== *Savitskaya* =====

Индекс предприятия связи места назначения

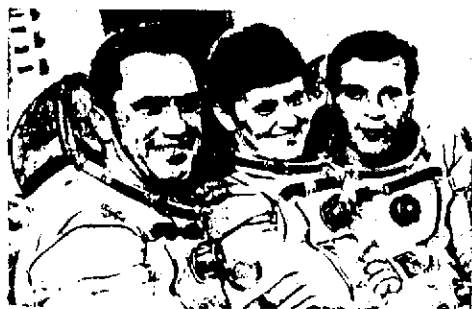


Svetlana SAVITSKAYA

В полете «Союз Т-7»

В СОСТАВЕ ЭКИПАЖА
ЖЕНЩИНА-КОСМОНАВТ

В соответствии с программой исследования космического пространства 19 августа 1982 года в 21 час 12 минут московского времени в Советском Союзе осуществлен запуск космического корабля «Союз Т-7».



Леонид ПОПОВ · Александр СЕРЕБРОВ
Светлана САВИЦКАЯ



197061 ЛЕНИНГРАД
до востребования
ФЕДОРОВУ И.Ф.

3 № 986
МОСКВА
ПОЧТАМТ ЦЕХ 3

«СОЮЗ Т-7» - «СОЮЗ Т-12»
В.А. ДЖАНИЕКОЗ - С.Е. САВИЦКАЯ - И.П. ВОЛК



Впервые
в открытом космосе
ЖЕНЩИНА-КОСМОНАВТ
19-08-1982

Topical and Premier Jour



Впервые в открытом космосе ЖЕНЩИНА-КОСМОНАВТ



ПОЧТА СССР
17-07-1985
Впервые в открытом космосе
ЖЕНЩИНА-КОСМОНАВТ
«СОЮЗ Т-7» - «СОЮЗ Т-12»
В.А. ДЖАНИЕКОЗ - С.Е. САВИЦКАЯ - И.П. ВОЛК

111548 Москва
до востребования
Кокоревенко А.П.

101000 Москва
почтамент
до востребования
Семизоров В.В.

Women in Space

Yelena KONDAKOVA (March 30 1957). Became the first Russian woman to travel into two different spacecraft and two different space stations (Soyuz to MIR and Shuttle to ISS) and she was the first Russian woman to travel on board of Space Shuttle. She was flying on Soyuz TM 20 (Oct. 3rd 1994) and later on STS 84 (May 15th 1997). She has the record for the Russian women for being in space for 4162 hours.

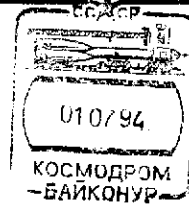


Kony

W. Kieken

Wobert

Lepshy deno Premier



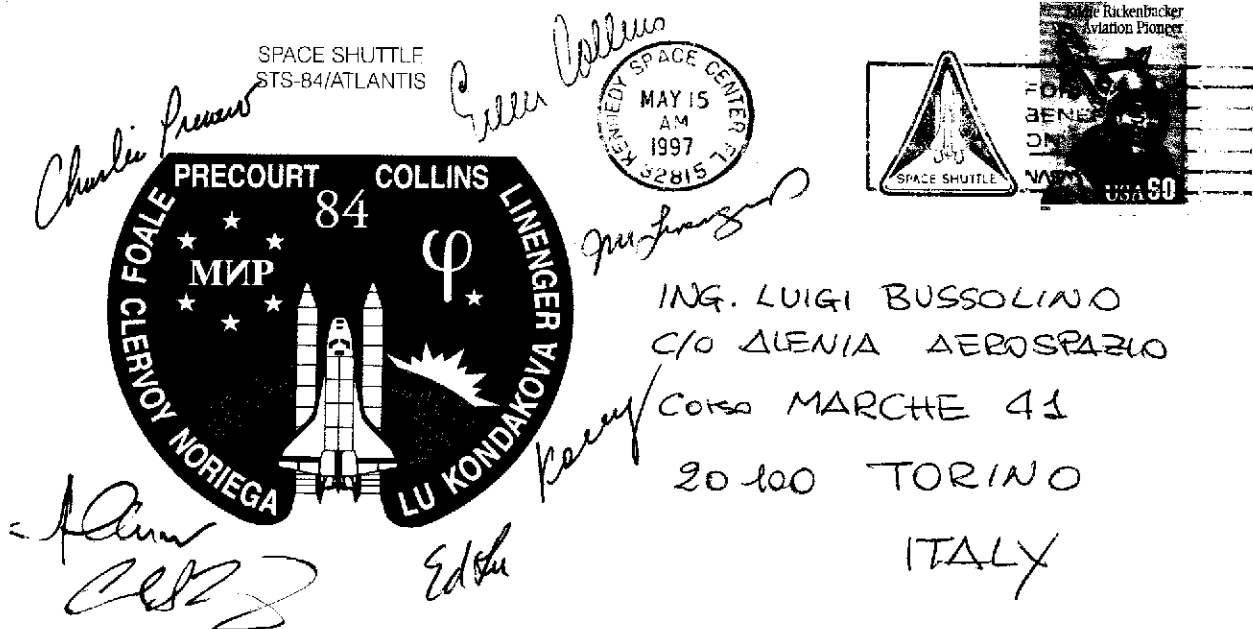
141070 г. Калининград
Московская область
проезд Циолковского
А.4. кв. 126
Есину С.А.

КОСМОДРОМ "БАЙКОНУР"
Экипаж станции "МИР"

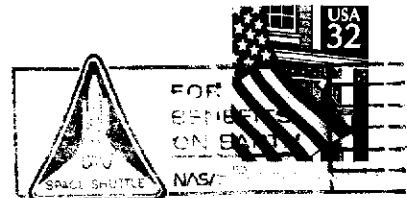
RECOMMANDE

Women in Space

Yelena KONDAKOVA (Mar 30th 1957) – Russian recordwoman with 4282 hours in space and flown both with russian Soyuz TM 20 as well as on STS 84(May 15th 1997).

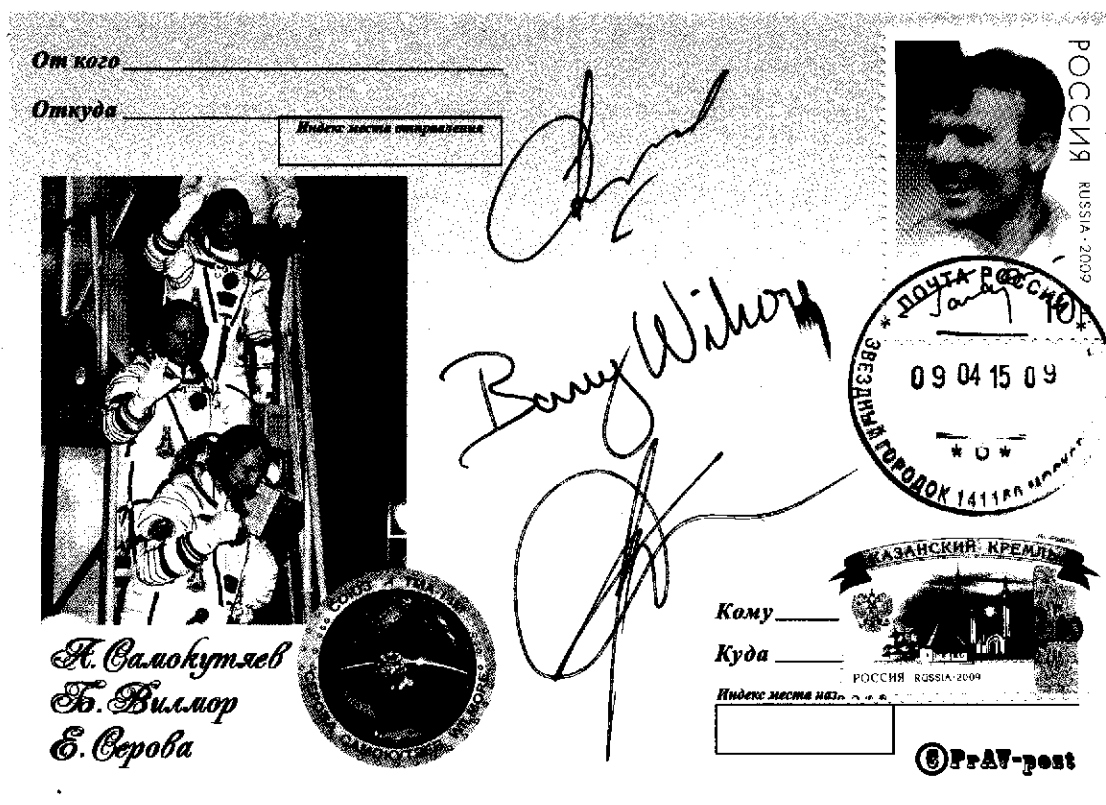


COSMONAUT ELENA V. KONDAKOVA
SHUTTLE FLIGHT STS-84



Women in Space

Yelena SEROVA (Apr. 22nd 1976) – Fourth Russian woman In space with Soyuz TMA 14M (Nov. 23rd 2014).



Yelena Olegovna Serova



Cosmonauta della RSC Energia

Nazionalità  Russia

Status In attività




Data di nascita 22 aprile 1976

Selezione 2006, RKKE-16

Primo lancio 25 settembre 2014

Altre attività Ingegnere

Tempo nello spazio 167 giorni, 5 ore e 44 minuti

- Missioni**
-  Sojuz TMA-14M
 -  Expedition 41
 -  Expedition 42

Women in Space

**Sally RIDE (May 26th 1951- Jul 23rd 2012) – Third woman in space in absolute and first American woman in space . Two mission flights as mission specialist on STS 7 (June 18th 1983) and on STS 41 G (October 5th 1984) . In space for more than 343 hours.
Hereafter enclosed the covers of two launches.**

Space Shuttle Challenger STS-7



Colorano "Silk" Cachet

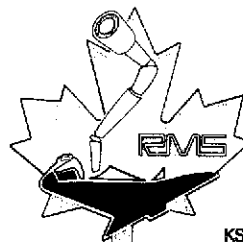
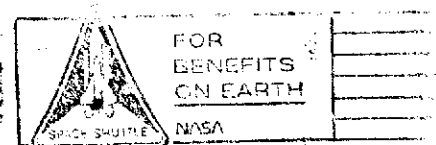


June 18, 1983 — At 7:33 am the Challenger STS-7 made a perfect lift-off from Pad 39A at Kennedy Space Center. Astronauts Robert Crippen, commander; Frederick Hauck, pilot; Sally Ride, John Fabian and Dr. Norman Thagard, mission specialists; make up the largest crew launched aboard a shuttle to date.



SALLY K. RIDE

AMERICA'S FIRST WOMAN IN SPACE

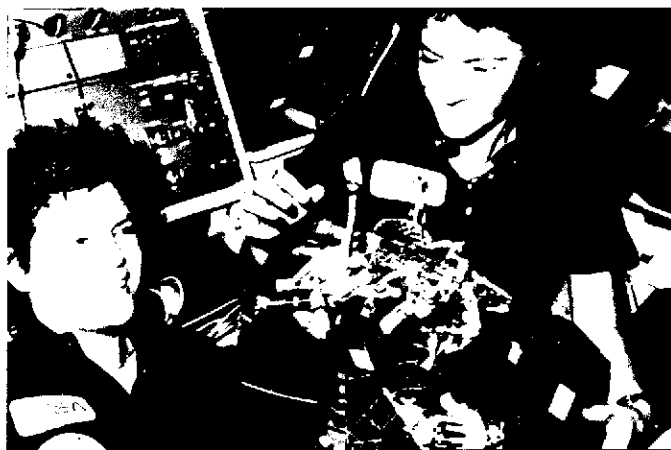


KSC PHILATELIC SOCIETY

Women in Space

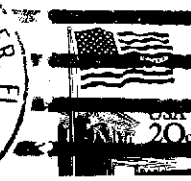
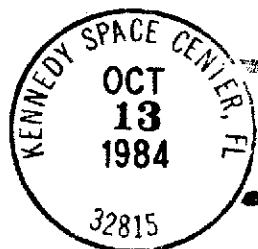
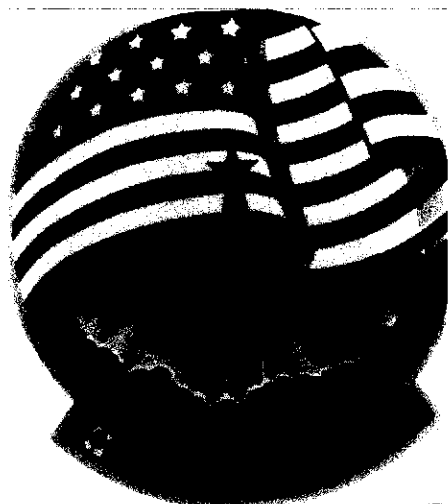
Sally **RIDE** (1951 – 2012)

DOCTORS Kathryn D. Sullivan (left) and Sally K. Ride show what appears to be a bag of worms.



41-G ON BOARD SCENE.

The bag is a sleep restraint for rest in zero gravity, and the majority of the “worms” are springs and clips used in its normal application. Clamps, a Bungee cord, and Velcro strips are other recognizable items in this “creation”.

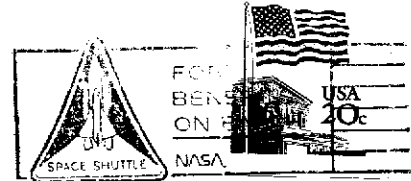


Women in Space

Judith RESNIK (April 5th 1949 – January 28th 1986) Fourth woman in space in absolute and second American woman . Two flights in space on STS 41 D (August 30th 1984) and on STS 51 L (January 28th 1986) where she died in the Challenger disaster. In space for 144 hours. Enclosed the covers of the two launches and the official cover of NASA women astronaut selection.



Judy Resnik-2nd Woman in Space
Astronaut Mission Specialist
41D Discovery Flight



Judy Resnik
Flight 51L



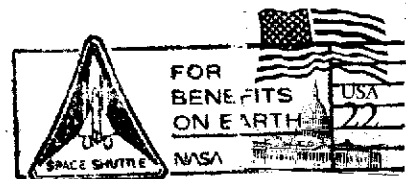
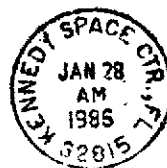
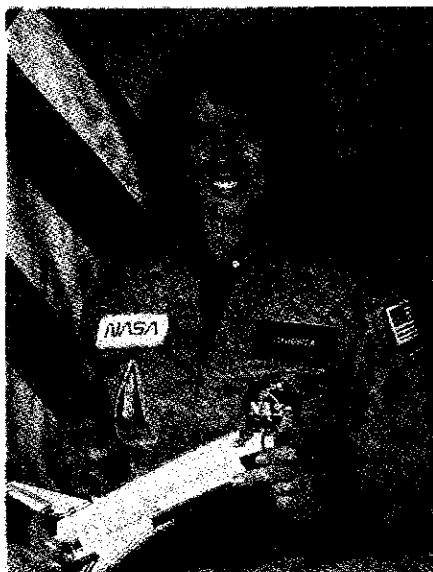
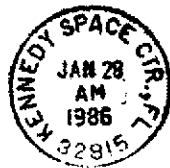
Women in Space

SHUTTLE CHALLENGER DISASTER 1986

On January 28th 1986) two women have been lost 73 seconds after the take off of Shuttle Challenger mission STS 51 L : Judith RESNIK, the second American woman , and the teacher in space Christa MACAULIFFE. The investigations showed that three astronauts dead at the time of explosion in space while the others had the possibility to wear the oxygen masks and deceased at the impact with the sea. Enclosed the official coves of NASA and my personal witness.



Judy Resnik
Flight 51L



STS-33 CHALLENGER (OV-099)
MISSION 25 (51-L)

SHARON CHRISTA McAULIFFE

1st Teacher-in-Space

(Selected From 11,000 Applicants)

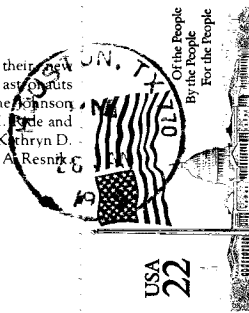
Space Shuttle Mission 51-L

Women in Space

**JOHNSON SPACE CENTER, HOUSTON TEXAS – FIRST SIX WOMEN
ASTRONAUTS SELECTION : Sally RIDE, Margaret Rhea SEDDON
(kneeling) and Kathryn SULLIVAN, Shannon LUCID, Anne L. FISHER
and Judith RESNIK (standing left to right). The same card delivered
on January 28th 1986 at the loss of Challenger.**



JOHNSON SPACE CENTER, HOUSTON, TEXAS
NASA'S WOMEN ASTRONAUTS — Sporting their new
Shuttle-type constant-wear garments, these six women astronauts
pose for a picture in the crew system laboratory at the Johnson
Space Center (JSC). Kneeling are, left to right, Sally K. Ride and
Margaret R. (Rhea) Seddon. Standing, left to right are Kathryn D.
Sullivan, Shannon W. Lucid, Anne L. Fisher and Judith A. Resnik.



postcard

BUSSOLINO

Via dei Mille 33/2

15067 NOVI LIGURE (AL)

ITALY

Photo by NASA

SHUTTLE CHALLENGER DISASTER 1986



Colo



SPACE SHUTTLE CHALLENGER 51-L DISASTER IN SPACE

January 28, 1986 — The space shuttle Challenger 51-L exploded just 74 seconds after lift-off today. The official NASA photo used for this cachet shows the well defined intense orange plume on the right side of the booster rocket. An investigation is under way to determine if this was the cause of the explosion. Killed were

**January 28 1986 —
CHALLENGER EXPLODES
73 SECONDS AFTER
TAKE OFF.**



**Houston Control in utter
shock as the nightmare
becomes apparent.
All 7 astronauts perish.**

**KENNEDY SPACE CENTER
BIDS FAREWELL TO
CHALLENGER 7 ASTRONAUTS**



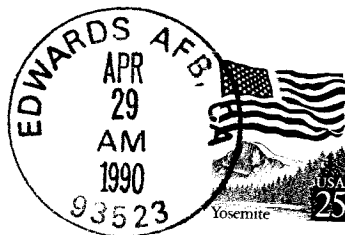
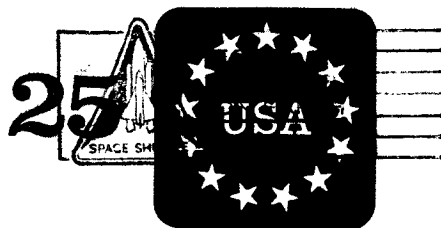
**SEVEN FLAG-DRAPED CASKETS
escorted by NASA Astronauts and a
quiet contingent of 28 Air Force
pallbearers told the somber story. The
crew members of Challenger were
beginning the first part of their last
journey — a trek that would end at
the final resting places chosen by the
families of the fallen space travelers.**

Women in Space

Kathryn D. SULLIVAN (Oct. 3th 1951) First American woman to perform a spacewalk (Oct. 11th 1984) and three missions as payload specialist on STS 41 G (Oct. 5th 1984), on STS 31 (April 24th 1990) and on STS 45 (Mar. 24 1992). In space for 532 hours. Enclosed the covers of the three launches.

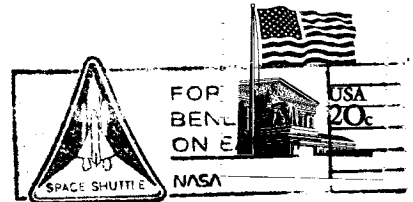


**ASTRONAUT KATHRYN D. SULLIVAN
SHUTTLE FLIGHT STS-31**

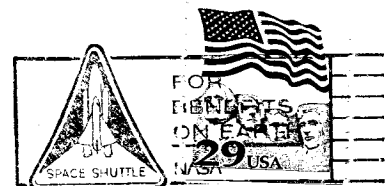
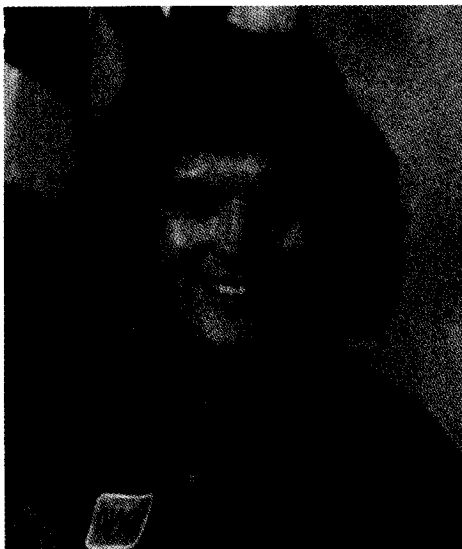


Women in Space

K.SULLIVAN



41G Kathryn Sullivan
"Third U.S. Woman in Space"
"First U.S. Woman to Walk in Space"

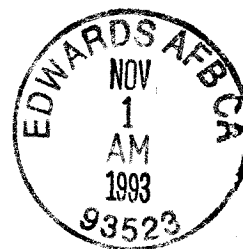
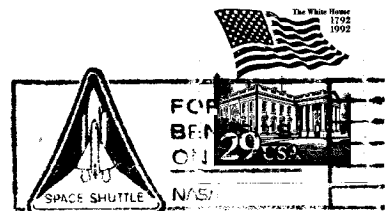
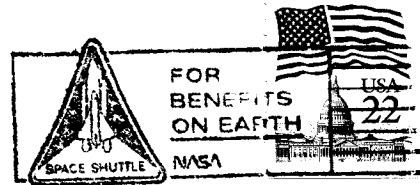
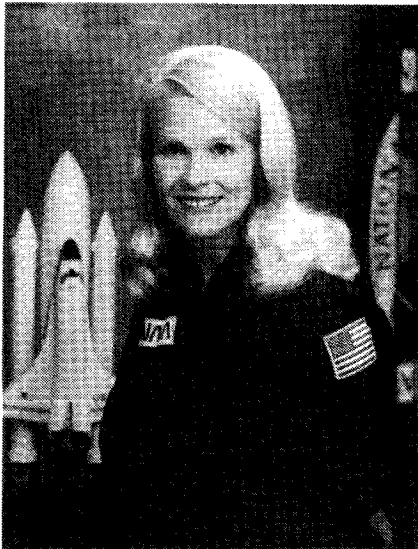


ASTRONAUT KATHRYN D. SULLIVAN
SHUTTLE FLIGHT STS-45

Women in Space

Margaret Rhea SEDDON (Nov. 8th 1947) – Payload specialist for three missions in space starting on STS 51 D (April 12th 1985), after that on STS 40 (June 5th 1991) and on STS 58 (Oct. 18th 1993) . In space for more than 721 hours.

Hereafter enclosed the covers of three launches.



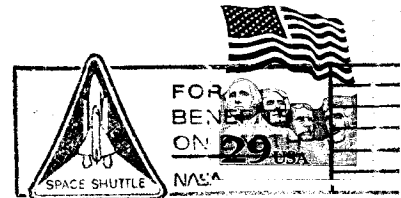
Women in Space

Margaret Rhea SEDDON (Nov. 8th 1947) – Payload specialist for three missions in space starting on STS 51 D (April 12th 1985), after that on STS 40 (June 5th 1991) and on STS 58 (Oct. 18th 1993) . In space for more than 721 hours.

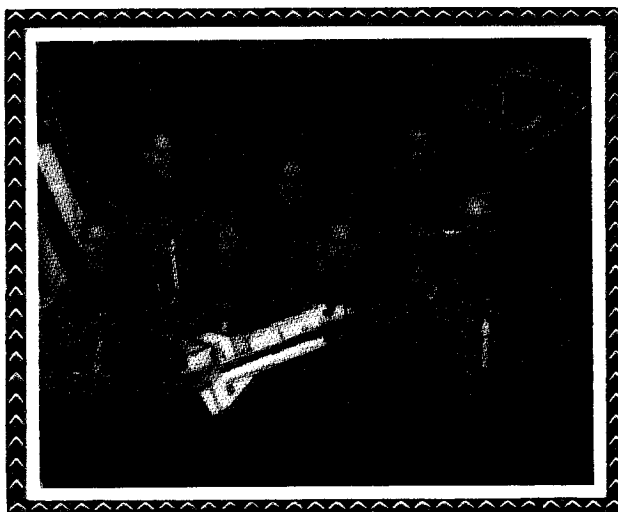
Hereafter enclosed the covers of three launches.



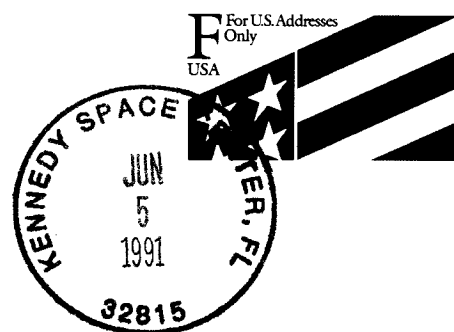
Astronaut M. Rhea Seddon
Shuttle Flight STS-40



Launch of the Columbia STS-40 41st Space Shuttle Mission



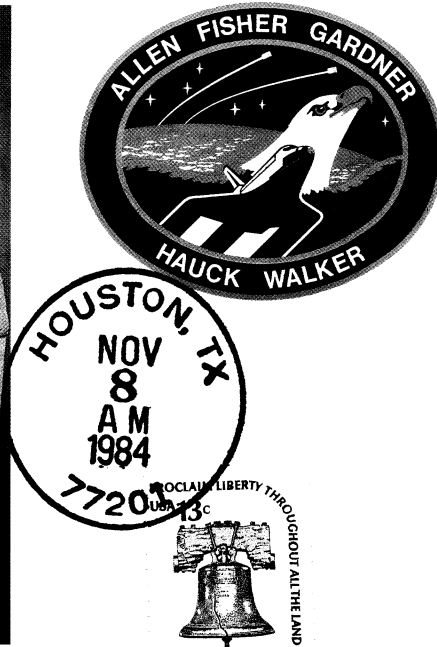
Colorano "Silk" Cachet



June 5, 1991 — Columbia, carrying the Space Life Sciences (SLS-1) module, bolted from launch Pad-39B at 9:25 a.m. today. The seven astronauts on board are Bryan O'Connor, commander; Sidney Gutierrez, pilot; Rhea Seddon, Tamara Jernigan and James Bagan, mission specialists; F. Drew Gaffney and Millie Hughes-Fulford, payload specialists.

Women in Space

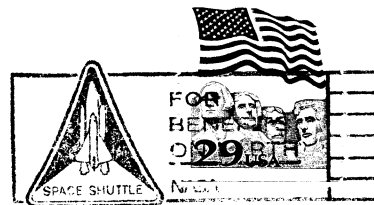
Anne Lee **FISHER** (Aug. 24th 1949)- First mother in space and one mission in space on STS 51 A (Nov. 8th 1984). In space for 171 hours. Hereafter enclosed the cover of the launch.



Millie **HUGHES-FULFORD** (Dec.21st 1945)- One flight on STS 40 (Jun.5th 1991). In space for 218 hours. Encosed the launch cover.

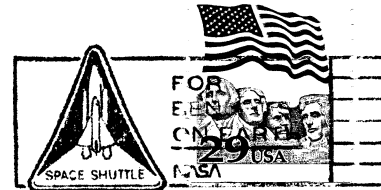
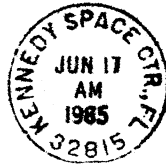


Astronaut Millie Hughes- Fulford
Shuttle Flight STS-40

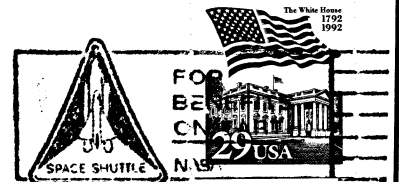


Women in Space

Shannon LUCID (Jan 14th 1943) – First American woman to fly on a Russian space station (Mir 1996) and first woman to make a third, a fourth and a fifth spaceflight. Mission specialist for five missions in space starting from STS 51 G (Oct. 30th 1985), STS 34 (Oct. 18th 1989), STS 43 Aug 2nd 1991), STS 58 (Oct 18th 1993) to STS 76 (Mar 22nd 1996 but coming back on STS 79). In space for 5353 a record on the world.



**Astronaut :
Shuttle**



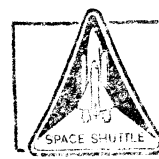
**Astronaut Shannon W. Lucid
Shuttle Flight STS-58**



**Astronaut S
Shuttle**



**Astronaut Shannon W. Lucid
Shuttle Flight STS-79**



Women in Space

Mary CLEAVE (Feb.5th 1947) -Two missions in space on STS 61 B (Nov. 26th 1985) and STS 30 (May 4th 1989). In space for 361 hours
Hereafter enclosed the covers of two launches.



ASTRONAUT MARY L. CLEAVE
8th American Woman In Space



STS-31 ATLANTIS (OV-104)
MISSION 23 (61B)

To Release 3 Satellites

Crew

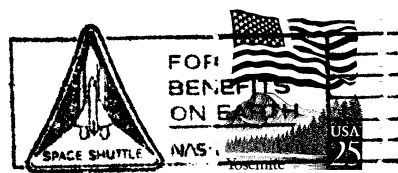
SHAW • O'CONNOR • CLEAVE

ROSS • SPRING • WALKER

NERI (MEXICO)



ASTRONAUT MARY L. CLEAVE
8th American Woman In Space
Second Shuttle Flight



ATLANTIS STS-30/OV-104

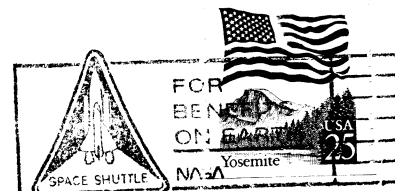
Mission to deploy Magellan to Venus.
Atlantis crew includes David M. Walker,
Ronald J. Grabe, Norman E. Thagard,
Mary L. Cleave and Mark C. Lee.

Women in Space

Bonnie J. DUNBAR (Mar.3rd 1949) – Payload specialist for five missions in space starting on STS 61 A (Oct. 30th 1985), on STS 32 (Jan. 9th 1990) on STS 50(Jun.25th 1992, after that on STS 71(Jun. 27th 1995) and on STS 89 (Jan.22nd 1998) . In space for more than 1206 hours. Hereafter enclosed the covers of five launches.



Astronaut Bonnie J. Dunbar
Shuttle Flight STS-32

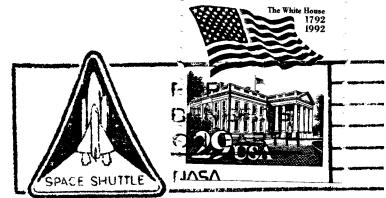


Women in Space

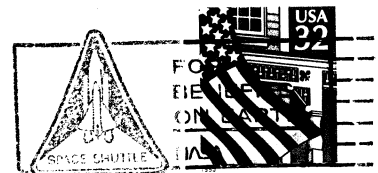
Bonnie DUNBAR (Mar 3rd 1949)



Astronaut Bonnie J. Dunbar
Shuttle Flight STS-50



Astronaut Bonnie J. Dunbar
Shuttle Flight STS-71

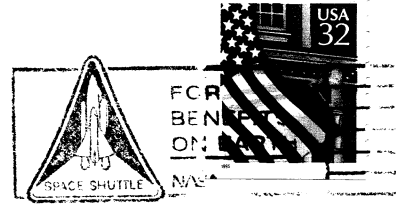


Women in Space

Bonnie DUNBAR (Mar 3rd 1949)



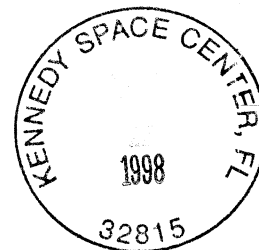
Astronaut Bonnie J. Dunbar
Shuttle Flight STS-89



Launch of the Endeavour STS-89
89th Space Shuttle Mission



Colorano "Silk" Cachet



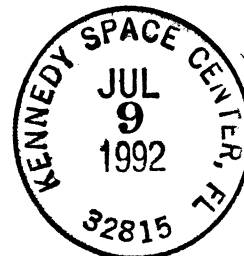
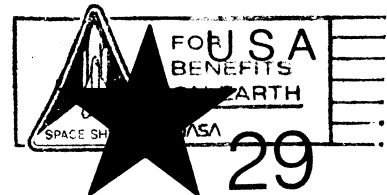
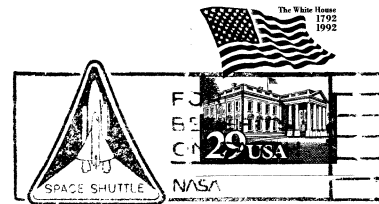
January 22, 1998. Seven astronauts and one cosmonaut are shown in this pre-flight crew photo prior to the 8th Mir rendezvous. L to R in front: Joe Edwards (pilot), Terrence Wilcutt (commander), and Bonnie Dunbar. In back: David Wolf (currently aboard Mir), Salizan Sharipov (from the Russian Space Agency), James Reilly, Andrew Thomas, and Michael Anderson. Thomas will replace Wolf aboard Mir as cosmonaut guest researcher (NASA photo)

Women in Space

Ellen **BAKER** (Apr 27th 1953) – Payload specialist woman having flown in space for three times on STS 34 (Oct 17th 1989), on STS 50 (Jun 25th 1992) and on STS 71 (Jun 27th 1995). Worked in space for 686 hours.



Astronaut Ellen S. Baker
Shuttle Flight STS-50

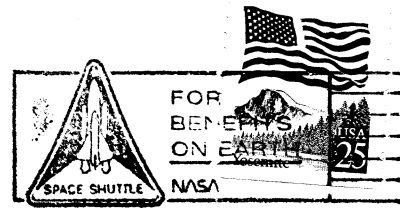


Women in Space

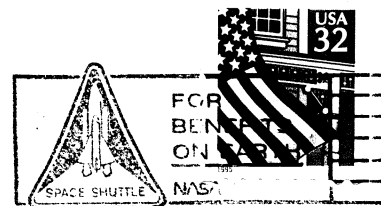
Ellen **BAKER** (Apr 27th 1953) –



Astronaut Ellen S. Baker
Shuttle Flight STS-34



Astronaut Ellen S. Baker
Shuttle Flight STS-71

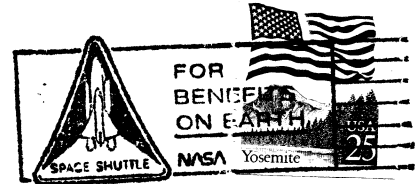


Women in Space

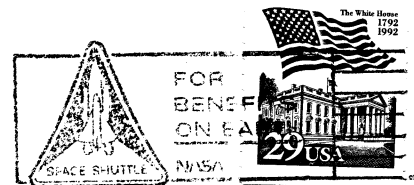
Kathryn THORNTON (Aug. 17th 1952) –Third woman to walk on space and first woman to make multiple EVA Four missions in space on STS 33 (Nov. 22nd 1989), STS 49 (May 7th 1992), STS 61 (Dec. 2nd 1993) and STS 73 (Oct. 20th1995) . In space for 973 hours. Hereafter enclosed the covers of four launches.



Astronaut Kathryn C. Thornton
Shuttle Flight STS-33



Astronaut Kathryn C. Thornton
Shuttle Flight STS-61

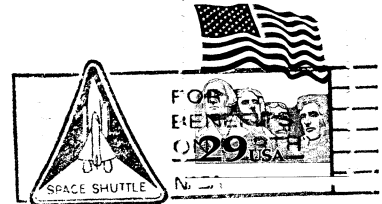


Women in Space

Kathryn THORNTON (Aug. 17th 1952) - Third woman to walk on space and first woman to make multiple EVA Four missions in space on STS 33 (Nov. 22nd 1989), STS 49 (May 7th 1992), STS 61 (Dec. 2nd 1993) and STS 73 (Oct. 20th 1995) . In space for 973 hours.



Astronaut Kathryn C. Thornton
Shuttle Flight STS-49



STS-49 ENDEAVOR
MAIDEN VOYAGE



Ing. Luigi Bussone

ALENIA SPAZIO S.p.A.

c. Marche 41

10146 TORINO

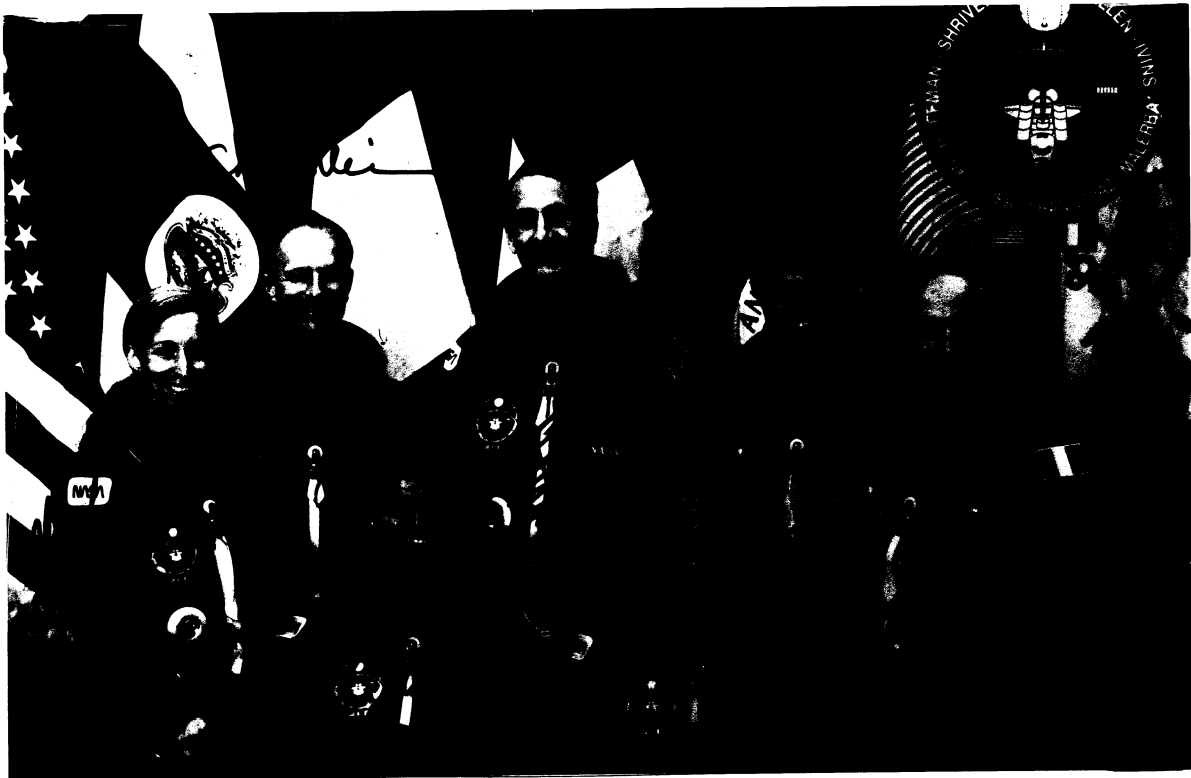
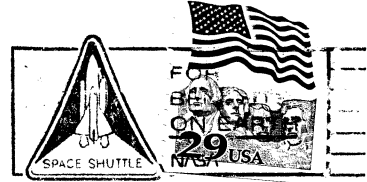
ITALY

Women in Space

Marsha IVINS (Apr.15th 1951)- Five missions in space on STS 32 (Jan. 9th 1990), STS 46 (Jul. 31st 1992), STS 62 (Mar 4th 1994) after that STS 81 (Jan. 12th1997)and STS 98 (Feb. 7th 2001) . In space for1340 hours. Hereafter enclosed the covers of five launches.



Astronaut Marsha S. Ivins
Shuttle Flight STS-46

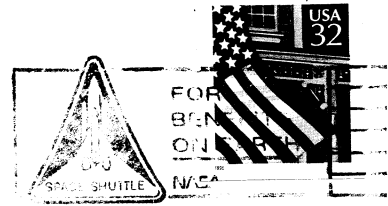


Women in Space

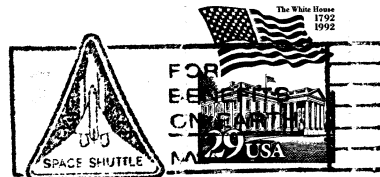
Marsha IVINS



Astronaut Marsha S. Ivins
Shuttle Flight STS-81



Astronaut Marsha S. Ivins
Shuttle Flight STS-62



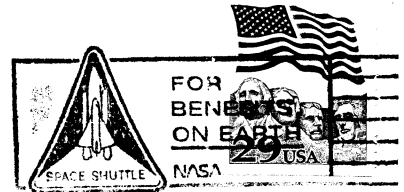
Women in Space

Linda GODWIN (Jul.2nd 1952)- Fourth woman to walk in space and four missions in space on STS 37 (Apr. 5th 1991), STS 59 (Apr.9th1994), STS 76 (Mar 22nd 1996) after that STS 108 (dec. 5th2001). In space for 961 hours.

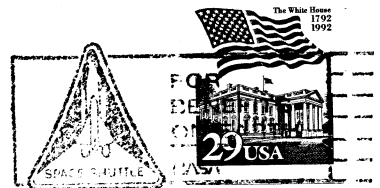
Hereafter enclosed the covers of four launches.



Astronaut Linda M. Godwin
Shuttle Flight STS-37

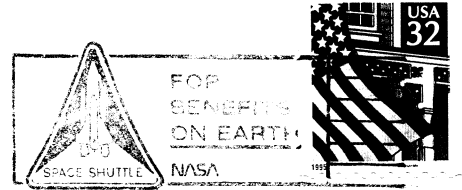


Astronaut Linda M. Godwin
Shuttle Flight STS-59



Women in Space

Linda **GODWIN** (Jul 2nd 1952)



Astronaut Linda M. Godwin
Shuttle Flight STS-76

SPACE SHUTTLE
STS-108/ENDEAVOUR

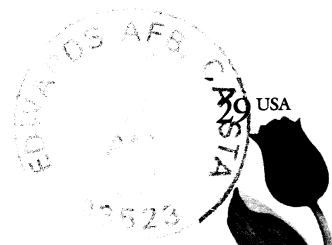
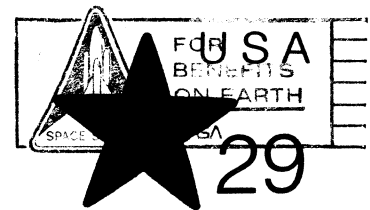
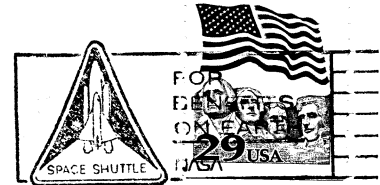


Women in Space

Roberta **BONDAR** (Dec. 4th 1945) – First Canadian woman in space as medical doctor. She accomplished only one mission in space on STS 42 (Jan. 22nd 1992) . In space for 200 hours. The Canadian Post gave the honour to figure their astronauts in space.

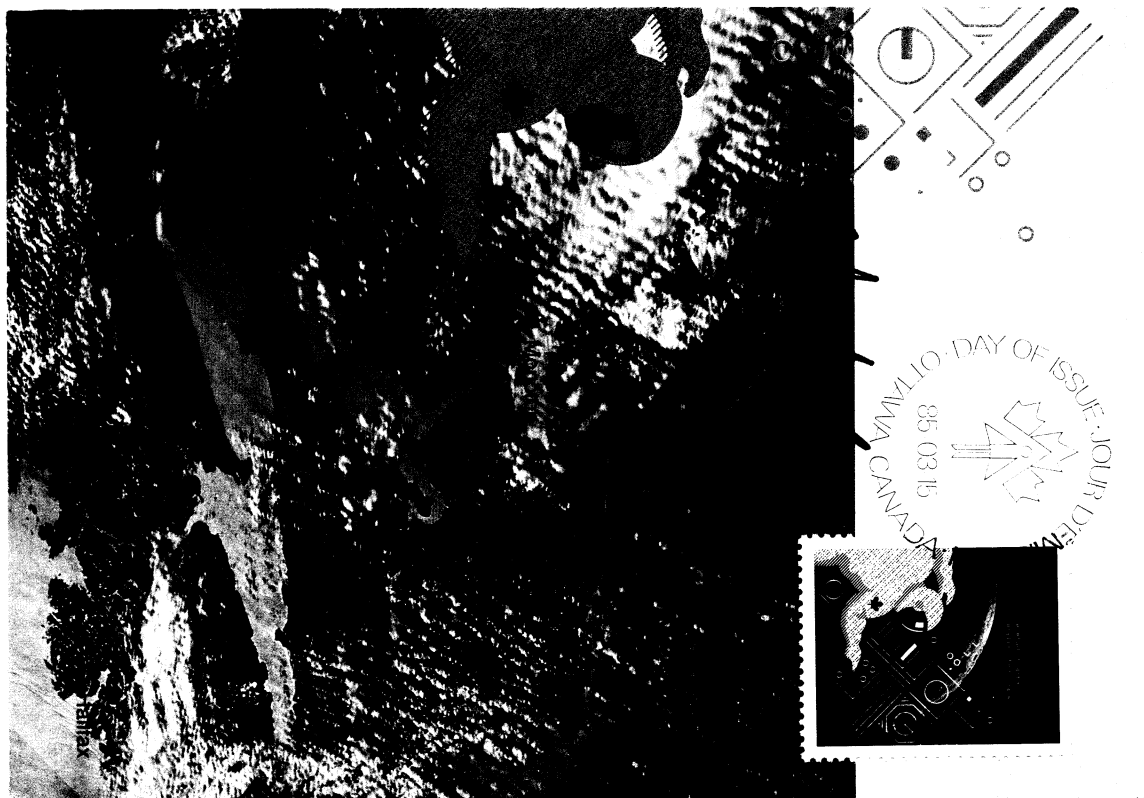
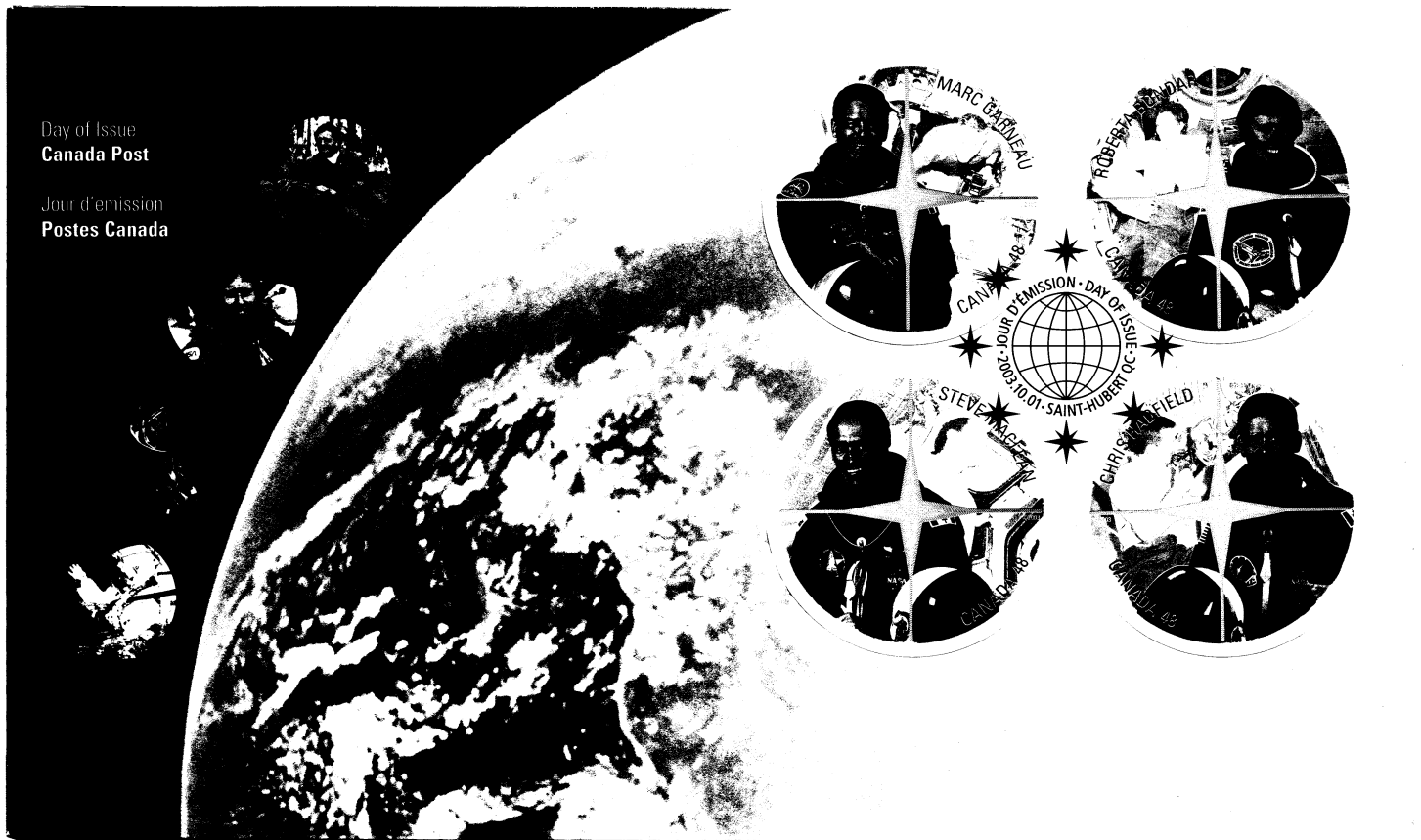


ASTRONAUT ROBERTA L. BONDAR
SHUTTLE FLIGHT STS-42



Women in Space

Roberta **BONDAR** (Dec. 4th 1945) – First Canadian woman in space as medical doctor. She accomplished only one mission in space on STS 42 (Jan. 22nd 1992) . In space for 200 hours. The Canadian Post gave the honour to figure their astronauts in space.

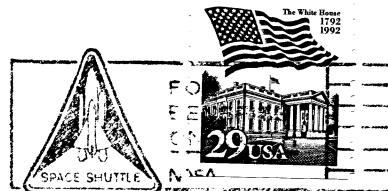


Women in Space

Tamara **JERNIGAN** (May 7th 1959) was the fifth woman to walk in space and is a recordman among the astronauts for being five times in space with a permanence of more than 1500 hours. She flew on STS 40(Jun 5th 1991), STS 52 (Oct. 22nd 1992), STS 67(Mar. 2nd 1995), STS 80 (Nov. 19th 1996) and STS 96 (May 27th 1999).



Astronaut Tamara E. Jernigan
Shuttle Flight STS-52



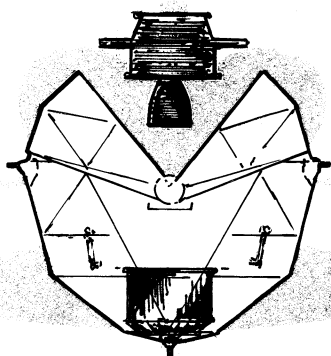
Luigi BUSSOLINO
Viale Rimembranze 87
15067 NOVI LIGURE (AL)
ITALY

Women in Space

NASA



Alenia



Janney Perry

IRIS SYSTEM FIRST MISSION
LAUNCH OF LAGEOS II SATELLITE
FROM COLUMBIA STS 52

Alenia Spazio
CLUB FILATELICO
TORINO

006/900

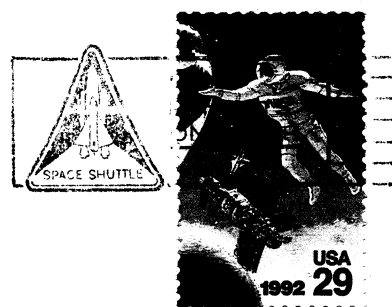
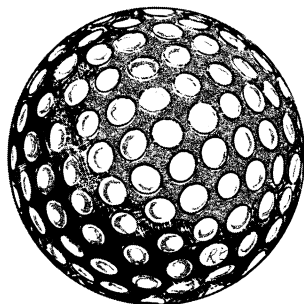
NASA

Alenia



LAGEOS II

LASER GEODYNAMIC SATELLITE



Janney Perry

LAUCHED BY COLUMBIA STS 52

Alenia Spazio
CLUB FILATELICO
TORINO

006/900

Women in Space

Tamara Jernigan in Alenia Space in Torino consigning the NASA Award for IRIS Lageos II mission to Luigi BUSSOLINO, mission chief system engineer.



Women in Space

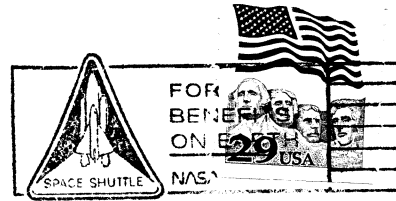
The crew of STS 52, including Tamara Jernigan, thanking for the support had during the mission by Luigi BUSSOLINO , mission chief system engineer.

Crew of Space Shuttle
Mission STS-52

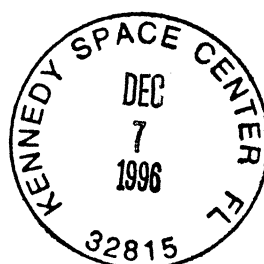
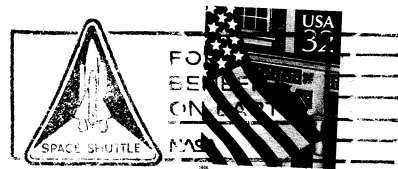
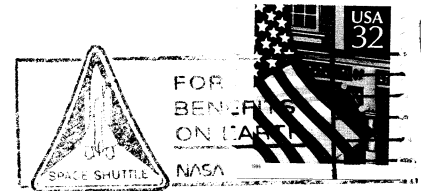


Women in Space

Tamara JERNIGAN (Maj 7th 1959)



Astronaut
Shuttle

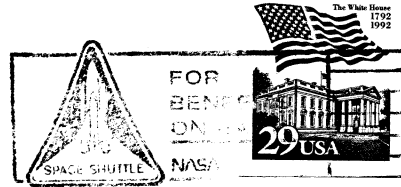


Women in Space

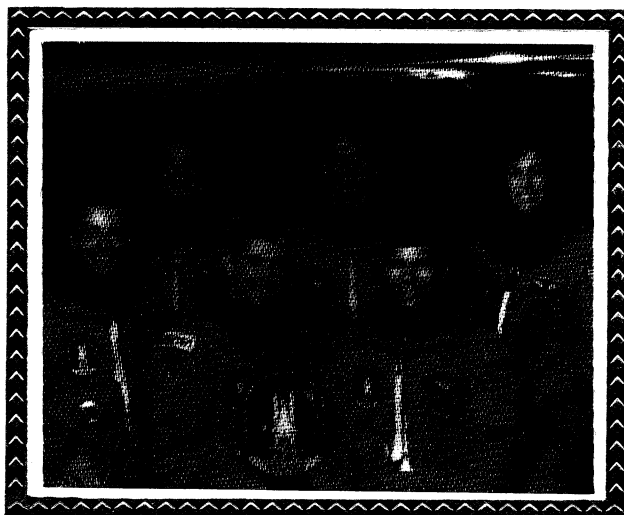
Ellen OCHOA (Maj 10th 1959) – First Hispanic woman in space at least for four times. She flew on missions on STS 56 (Apr 8th 1993) on STS 66 (Nov. 3rd 1994) , on STS 96 (May 27th 1999) and on STS 110 (Apr 8th 2002). She was in space for 979 hours.



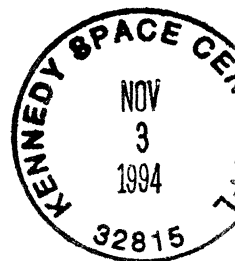
ASTRONAUT ELLEN S. OCHOA
SHUTTLE FLIGHT STS-66



Launch of the Atlantis STS-66 66th Space Shuttle Mission



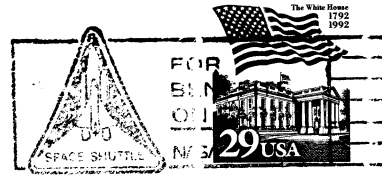
Colorano "Silk" Cachet



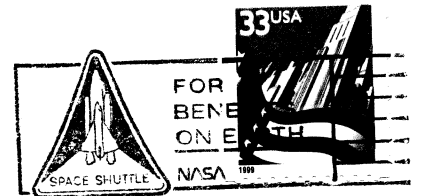
November 3, 1994 — After a two-year layoff the space shuttle Atlantis STS-66 was launched at 12 noon (EDT) today. On board are six astronauts and the Atmospheric Laboratory for Applications and Science (ATLAS-3). Crew members are Donald R. McMonagle, mission commander; Curtis L. Brown, pilot; Ellen Ochoa, payload commander; mission specialists Scott E. Parazynski, Joseph R. Tanner and Jean-Francois Clervoy, representing the European Space Agency.

Women in Space

Ellen OCHOA (Maj 10th 1959)

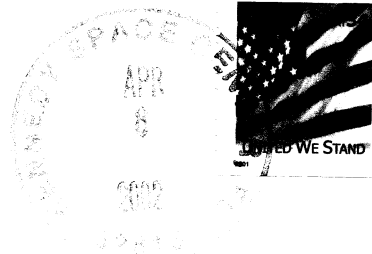


**ASTRONAUT
SHUTTLE**



**ASTRONAUT ELLEN S. OCHOA
SHUTTLE FLIGHT STS-96**

**Launch of the Atlantis STS-110
109th Space Shuttle Mission**

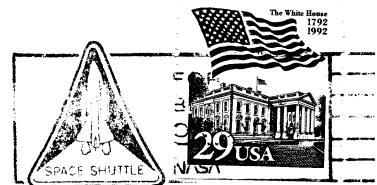


April 8, 2002. The 7 astronauts who comprise the STS-110 crew pose for the traditional pre-flight crew photo against a superimposed photo of the Earth. They are (L to R) in front: pilot Stephen Frick, flight engineer Ellen Ochoa, and mission commander Michael Bloomfield. In rear: Steven Smith, Rex Walheim, Jerry Ross, and Lee Morin, all mission specialists. (NASA Photo)

Colorano "Silk" Cachet

Women in Space

Mae JEMISON (Oct. 17th 1956) – Was the first African-American woman in space in STS 47 (Sept. 12th 1992) . She was in space for 190 h.



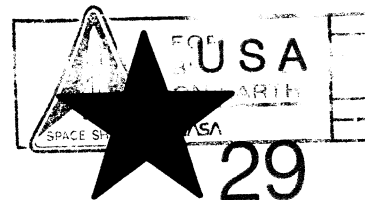
Mae Jemison
STS-47

ASTRONAUT MAE C. JEMISON, M.D.
SHUTTLE FLIGHT STS-47

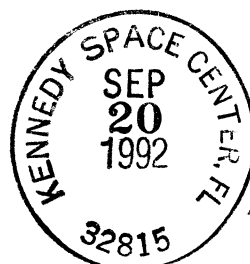
Women in Space

Mae JEMISON

To Paula
Best! Mae J
29 June 1997



Mae J
55-47

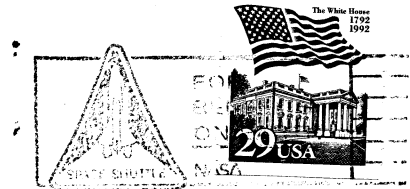


Women in Space

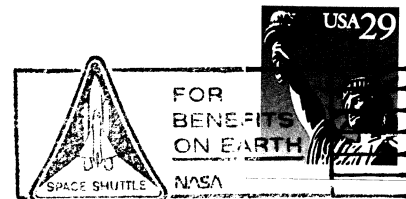
Susan HELMS (Feb 26th 1958)- Sixth woman to walk in space and with five missions for a permanence of 5063 hours in space (one of the longest staying).She has flown in STS 54 (Jan 13th 1993), STS 64 (Sep 9th 1994), STS 78 (Jun 20th 1996) , STS 101 (May 19th 2000) and STS 102 up and STS 105 down on March.



**ASTRONAUT SUSAN J. HELMS
SHUTTLE FLIGHT STS-54**

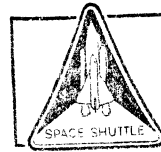
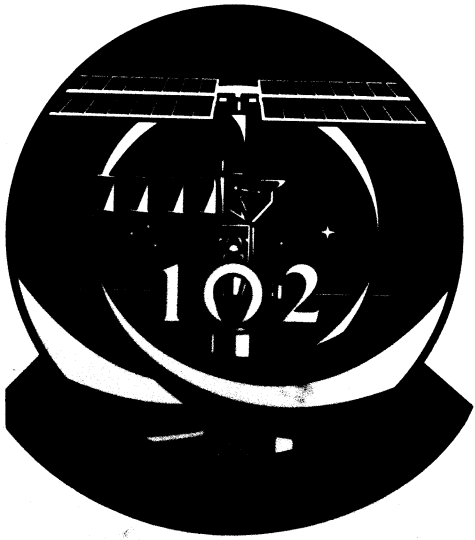


**ASTRONAUT SUSAN J. HELMS
SHUTTLE FLIGHT STS-64**

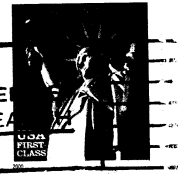


Women in Space

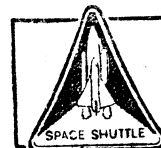
Susan HELMS (Feb 26th 1958)



FOR
BENE
ON SA
NASA



SPACE SHUTTLE
STS-105/DISCOVERY



Women in Space

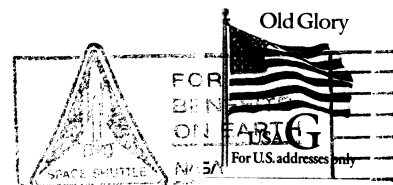
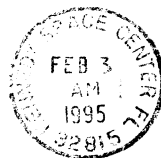
Janice VOSS (Oct 8th 1956 died in Feb 6th 2012) - She was five time in space on STS 57 (Jun 21st 1993), on STS 63 (Feb 3rd 1995), on STS 83 (Apr 4th 1997), on STS 94 (Jul 1st 1997) and on STS 99(Feb 11th 2000). She has been in space for 1160 hours.



ASTRONAUT JANICE VOSS
SHUTTLE FLIGHT STS-57



ASTRONAUT JANICE VOSS
SHUTTLE FLIGHT STS-63

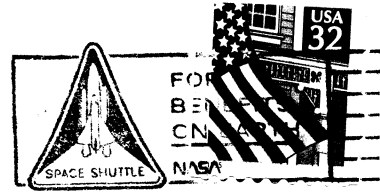


Women in Space

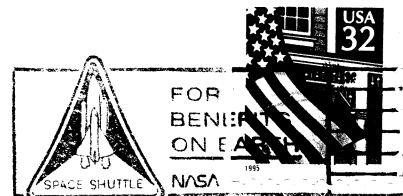
Janice VOSS



**ASTRONAUT JANICE VOSS
SHUTTLE FLIGHT STS-83**



**ASTRONAUT JANICE VOSS
SHUTTLE FLIGHT STS-94**

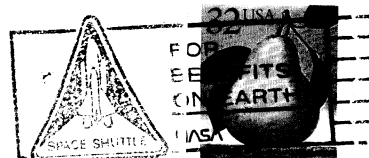


Women in Space

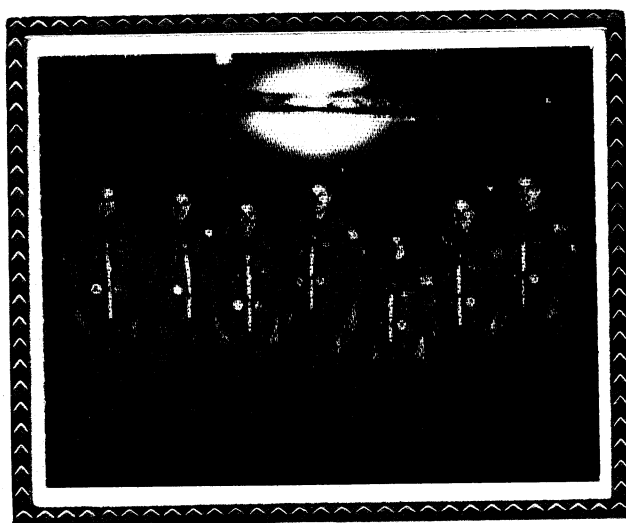
Nancy CURRIE (Dec 29th 1958)- Flew on STS 57 (Jun 21st 1993), STS 70 (Jul 13th 1995), on STS 88 (Dec 4th 1998) and STS 109 (Mar 1st 2002) for a total time in space of 1000 hours.



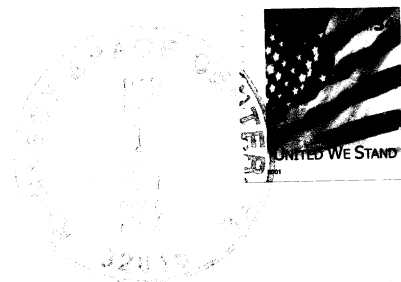
**ASTRONAUT NANCY J. CURRIE
SHUTTLE FLIGHT STS-70**



Launch of the Columbia STS-109 108th Space Shuttle Mission



Colorano "Silk" Cachet



March 1, 2002. Shown in this pre-flight photo are the seven astronauts who will participate in the STS-109 mission. They are (L to R): Michael Massimino, Richard Linnehan, Duane Carey (shuttle pilot), Scott Altman (mission commander), Nancy Currie, John Grunsfeld, and James Newman. The group will be the fourth to visit the Hubble Space Telescope to provide upgrade and servicing on the giant orbital observatory. (NASA Photo)

Nancy CURRIE



**Crew of Space Shuttle
Mission STS-88**



National Aeronautics and
Space Administration

Women in Space

*Chiaki **MUKAI** (May 6th 1952) – First Japanese woman in space ; as doctor studied the astronaut flying condition on STS 65 (Jul.8th 1994) and on STS 95 (Oct. 29th 1998). She was in space for 567 hour.*



STS-65 COLUMBIA

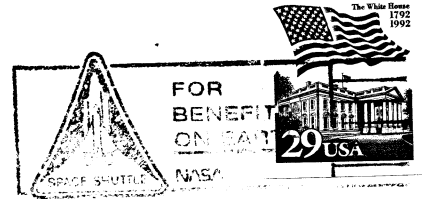


Women in Space

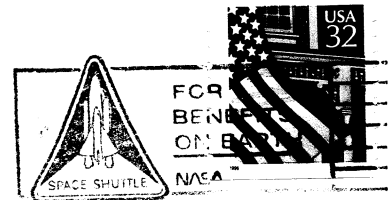
CHIAKI NAITO MUKAI



**ASTRONAUT CHIAKI NAITO-MUKAI
SHUTTLE FLIGHT STS-65**



**ASTRONAUT CHIAKI NAITO-MUKAI
SHUTTLE FLIGHT STS-95**

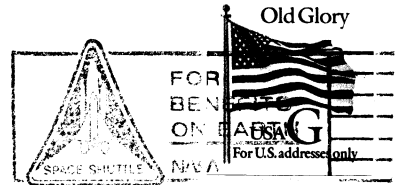


Women in Space

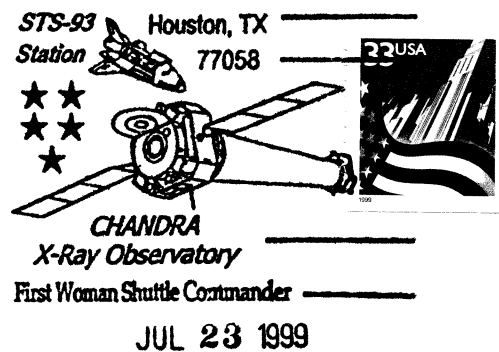
Eileen COLLINS (Nov. 19th 1956) – First female Shuttle pilot and Shuttle Commander who flew four missions in space on STS 63 (Feb 3rd 1995), on STS 84 (May 15th 1995) on STS 95 (Jul 23rd 1999) and STS 114 (Jul.26TH 2005). She was in space for 872 hours.



ASTRONAUT EILEEN COLLINS
SHUTTLE FLIGHT STS-63



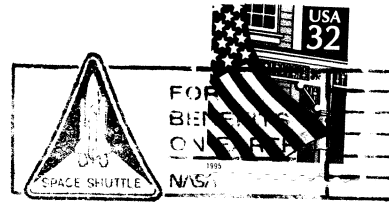
Colorano "Silk" Cachet



FIRST FEMALE MISSION COMMANDER
STS-93 - 95th Shuttle Mission
July 23, 1999. Air Force Colonel Eileen M. Collins looks over a procedures checklist at the commander's station in Columbia's forward deck. A former test pilot, Collins was the first woman to command a NASA space mission in 38 years of U.S. human space flight, and the only woman to actually land a spaceship of any kind, anywhere. (NASA photo)

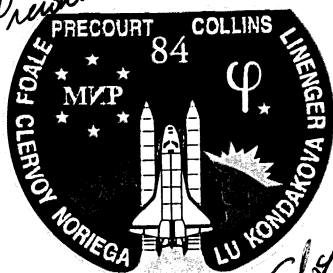
Women in Space

Eileen COLLINS (Nov. 19th 1956)



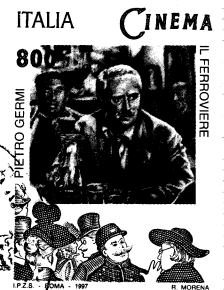
STS - 84 Atlantis Crew
Visit in Alenia Aerospazio
Torino December 1, 1997

Charlie Precourt



Alenia Aerospazio
CLUB FILATELICO
Torino

Eileen Collins
Mr. Precourt
Kenny



Launch of the Discovery STS-114
114th Space Shuttle Mission



Colorano "Silk" Cachet



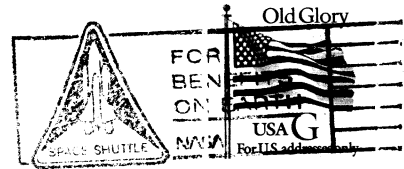
July 26, 2005. After a 2 1/2 year delay, astronauts returned to space today aboard the Space Shuttle Discovery. It was NASA's first flight since the STS-107 tragedy in February, 2003. Shown in this pre-flight crew photo are (L to R) Steve Robinson, pilot Jim Kelly, Andy Thomas, Wendy Lawrence, Charlie Camarda, commander Eileen Collins and Soichi Noguchi of Japan's Aerospace Exploration Agency. (NASA photo)

Women in Space

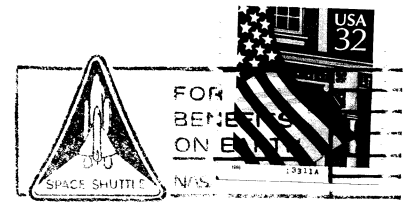
Wendy LAWRENCE (Jul 2nd 1959) – Four missions in space with STS 67 (Mar 2nd 1995), STS 86 (Sep 25th 1997), STS 91 (Jun 2nd 1998) and STS 114 (Jul 26th 2005).



ASTRONAUT WENDY B. LAWRENCE
SHUTTLE FLIGHT STS-67



ASTRONAUT WENDY B. LAWRENCE
SHUTTLE FLIGHT STS-91

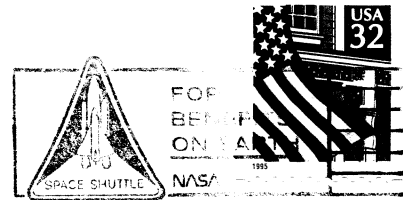


Women in Space

Wendy **LAWRENCE** (Jul 2nd 1959)



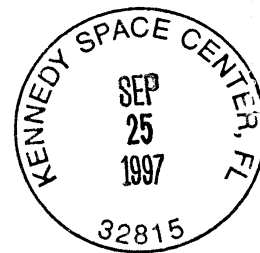
ASTRONAUT WENDY B. LAWRENCE
SHUTTLE FLIGHT STS-86



Launch of the Atlantis STS-86
87th Space Shuttle Mission



Colorano "Silk" Cachet



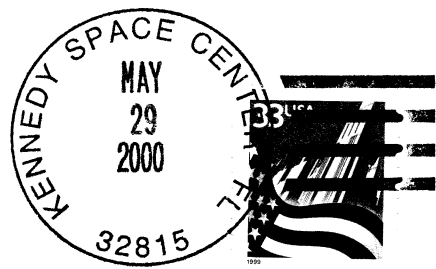
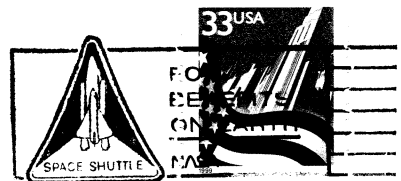
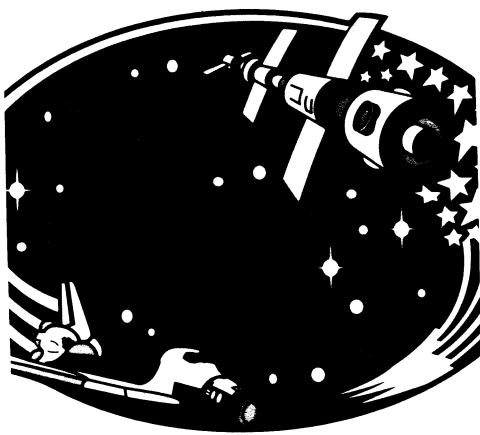
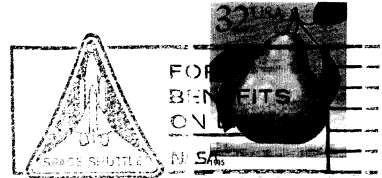
September 25, 1997. Atlantis left Kennedy Space Center to begin an almost 11-day mission that would include the 7th docking and astronaut exchange with Russia's Mir space station. Shown (L to R) in this pre-flight crew photo are (front) David Wolf, Michael Bloomfield, James Wetherbee, and Wendy Lawrence; (back) Jean-Loup J.M. Chrétien, Scott Parazynski, Vladimir Titov, and Michael Foale. Wolf will replace Foale aboard Mir, Foale returning with the Atlantis crew. (NASA photo)

Women in Space

Mary WEBER (Aug 24th 1962) – Mission specialist who flew two missions in space on STS 70 (Jul 13th 1995) and on STS 101 (May 19th 2000). She was in space for 450 hours.



ASTRONAUT MARY ELLEN WEBER
SHUTTLE FLIGHT STS-70

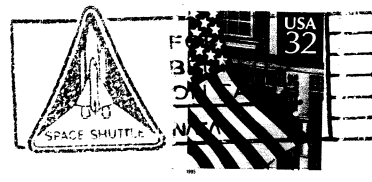


Women in Space

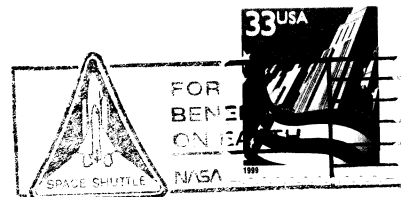
Catherine COLEMAN (Dec. 14th 1960) – One of the first american woman to fly on Soyuz TMA – 20 (Dec. 15th 2010) and on two STS mission as specialist, on STS 73 (Oct. 20th 1995) and on STS 93 (Jul. 23rd 1999). She was in space for 500 hours.



ASTRONAUT CATHERINE G. COLEMAN
SHUTTLE FLIGHT STS-73

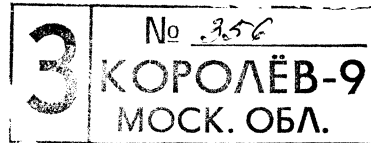
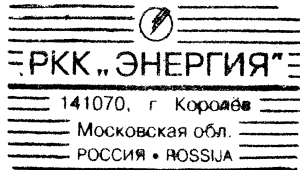


ASTRONAUT CATHERINE G. COLEMAN
SHUTTLE FLIGHT STS-93



Women in Space

CATHERINE COLEMAN



Старт космического корабля "Союз ТМА-20"



C.Coleman Д.Кондратьев Р.Nespoli
The crew of "Soyuz TMA-20" spacecraft



РОССИЯ
КОРОЛЕВ-
НАУКОГРАД КОСМИЧЕСКИЙ

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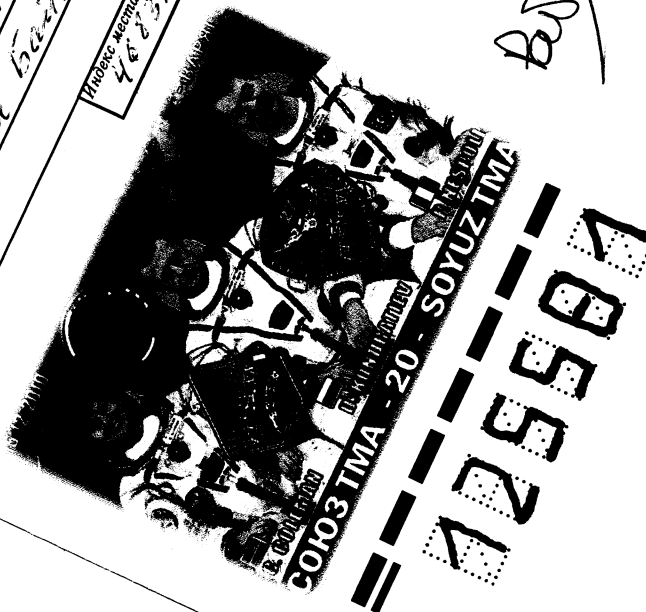


Москва А-581

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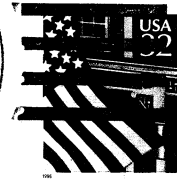
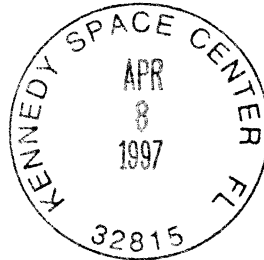
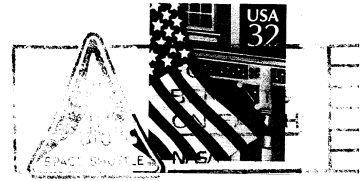
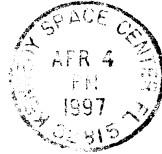
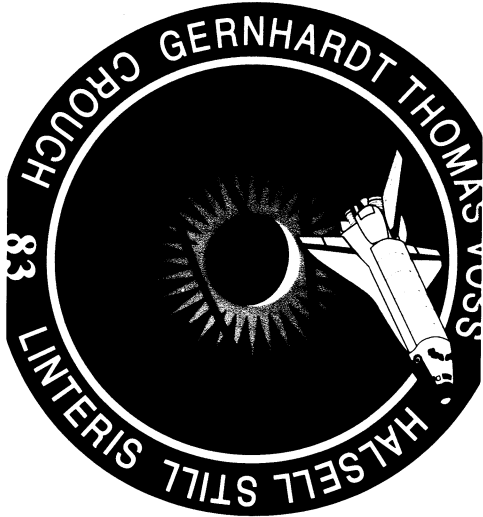
От кого *Эксперт Стат-20*
Откуда *Космодром Байконур*
Имя, место отправления
488370



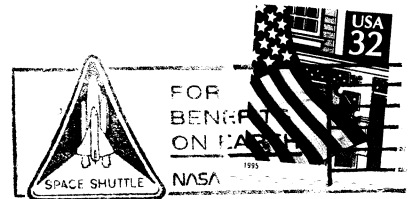
Кому *Москва*
Куда
Имя, место назначения
БДР

Women in Space

Susan STILL KILTRAIN (Oct 24th 1961) – Second female Shuttle pilot with two missions in space STS 83 (Apr 4th 1997) and STS 94 (Jul 1st 1997) for a total time of 472 hours.



ASTRONAUT SUSAN L. STILL
SHUTTLE FLIGHT STS-94

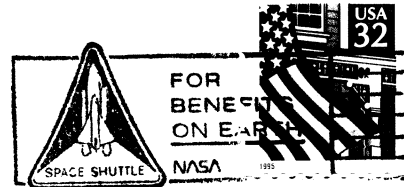


Women in Space

Kathryn HIRE (Aug 26th 1959) – Mission specialist in two missions in space STS 90 (Apr 17th 1998) and STS 130 (Jan 16th 2010) for a total time of 382 hours.



ASTRONAUT KATHRYN P. HIRE
SHUTTLE FLIGHT STS-90



Launch of the Endeavour STS-130
130th Space Shuttle Mission



Colorano "Silk" Cachet



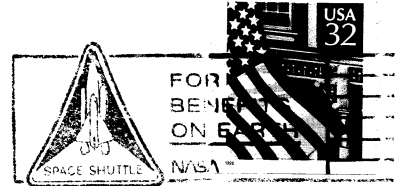
Feb. 8, 2010. Attired in training versions of the shuttle launch and entry suits, these six astronauts take a moment to pose for the STS-130 crew portrait. Astronauts George Zamka (center right) commander, and Terry Virts, pilot, hold the mission logo. Also pictured from left are astronauts Stephen Robinson, Nicholas Patrick, Kathryn Hire and Robert Behnken, all mission specialists. (NASA Photo)

Women in Space

Janet KAVANDI (Jul. 17th 1959) – Three missions in space on STS 91 (Jun. 2nd 1998) , on STS 99 (Feb. 11th 2000) and on STS 104 (Jul. 12th 2001). She was in space for 812 hours.



ASTRONAUT JANET L. KAVANDI
SHUTTLE FLIGHT STS-91



Launch of the Discovery STS-91 91st Space Shuttle Mission



Colorano "Silk" Cachet



June 2, 1998. The final crew members scheduled to visit Russia's Mir Space Station posed for this official portrait during training at the Johnson Space Center. With helmets are (Lto R) Dominic Gorie (pilot) and Charles Precourt (mission commander). Others (Lto R) include Wendy Lawrence, Franklin Chang-Diaz, Janet Kavandi, Valeriy Ryumin, and Andrew Thomas. Thomas has been on board Mir since January and will return to Earth aboard Discovery. (NASA photo)

Women in Space

Janet KAVANDI

**STS-104 ATLANTIS
ISS Assembly Mission 7A**



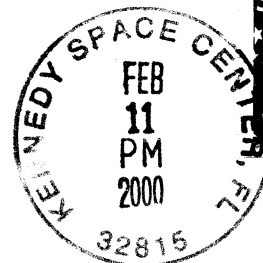
OFFICIAL COMMEMORATIVE



**Launch of the Discovery STS-99
97th Space Shuttle Mission**



Colorano "Silk" Cachet



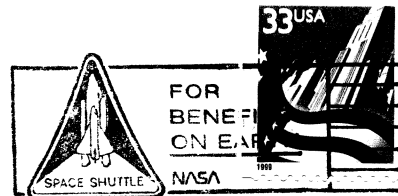
February 11, 2000. An international crew assigned to STS-99 poses for the traditional crew portrait at Johnson Space Center. In front (L to R) are Japan's Mamoru Mohri and Gerhard Thiele of the European Space Agency. At rear (L to R) are mission specialist Janice Voss, mission commander Kevin Kregel, shuttle pilot Dominic Gorie, and Janet Kavandi, mission specialist. (NASA Photo)

Women in Space

Julie PAYETTE (Oct. 20th 1963) – Second French Canadian woman in space for two missions on STS 96 (May 27th 1999) and on STS 127 (Jul. 15th 2009). She was in space for 235 hours.



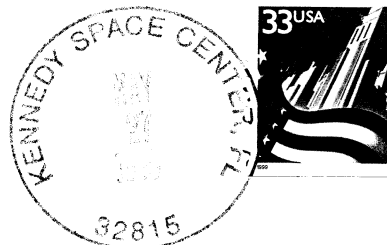
**ASTRONAUT JULIE PAYETTE
SHUTTLE FLIGHT STS-96**



Launch of the Discovery STS-96 94th Space Shuttle Mission



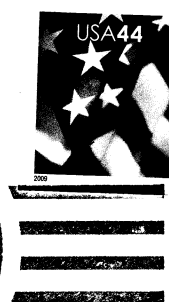
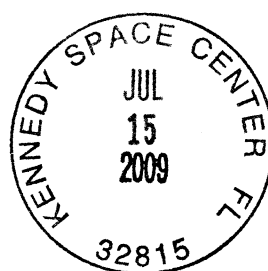
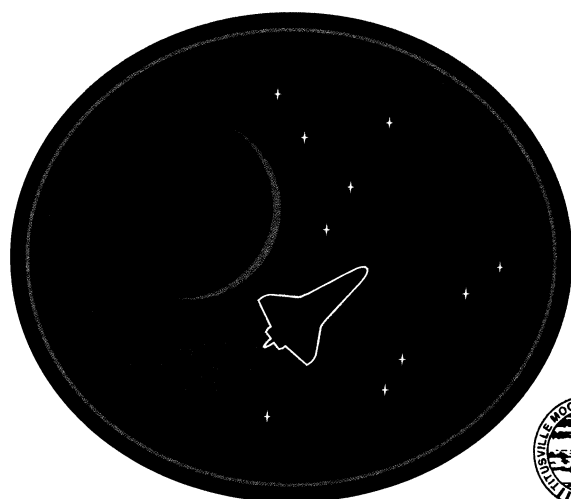
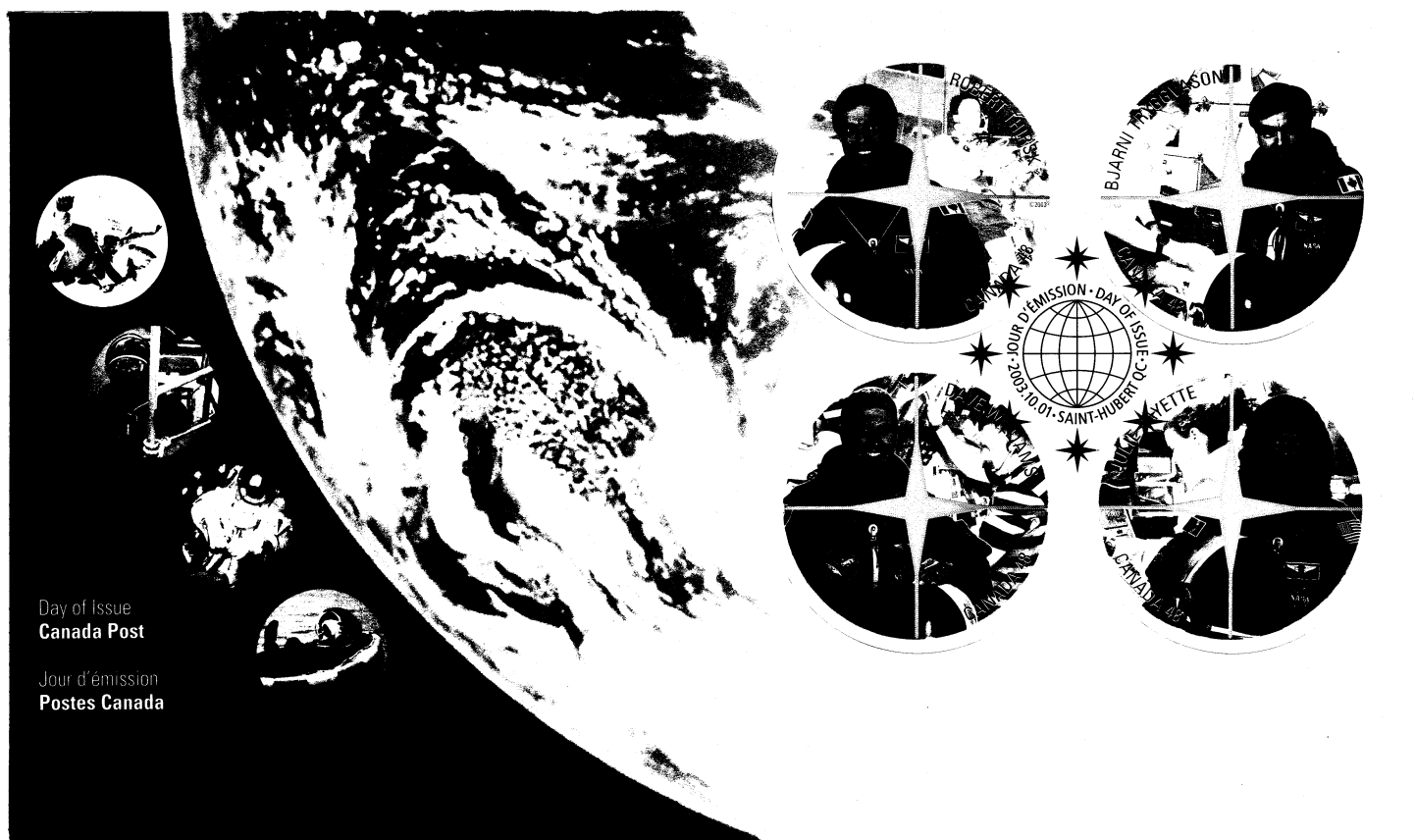
Colorano "Silk" Cachet



May 27, 1999. Space Shuttle Discovery left Florida's Kennedy Space Center early this morning en route to a history-making first docking with the International Space Station. On board were six astronauts and a Russian cosmonaut, shown in this official crew photo. Seated (L to R) Kent Rominger (mission commander), Ellen Ochoa, Rick Husband (pilot), and standing (L to R) Daniel Barry, Julie Payette (Canadian Space Agency), Valery Tokarev (Russia), and Tamara Jernigan. (NASA Photo)

Women in Space

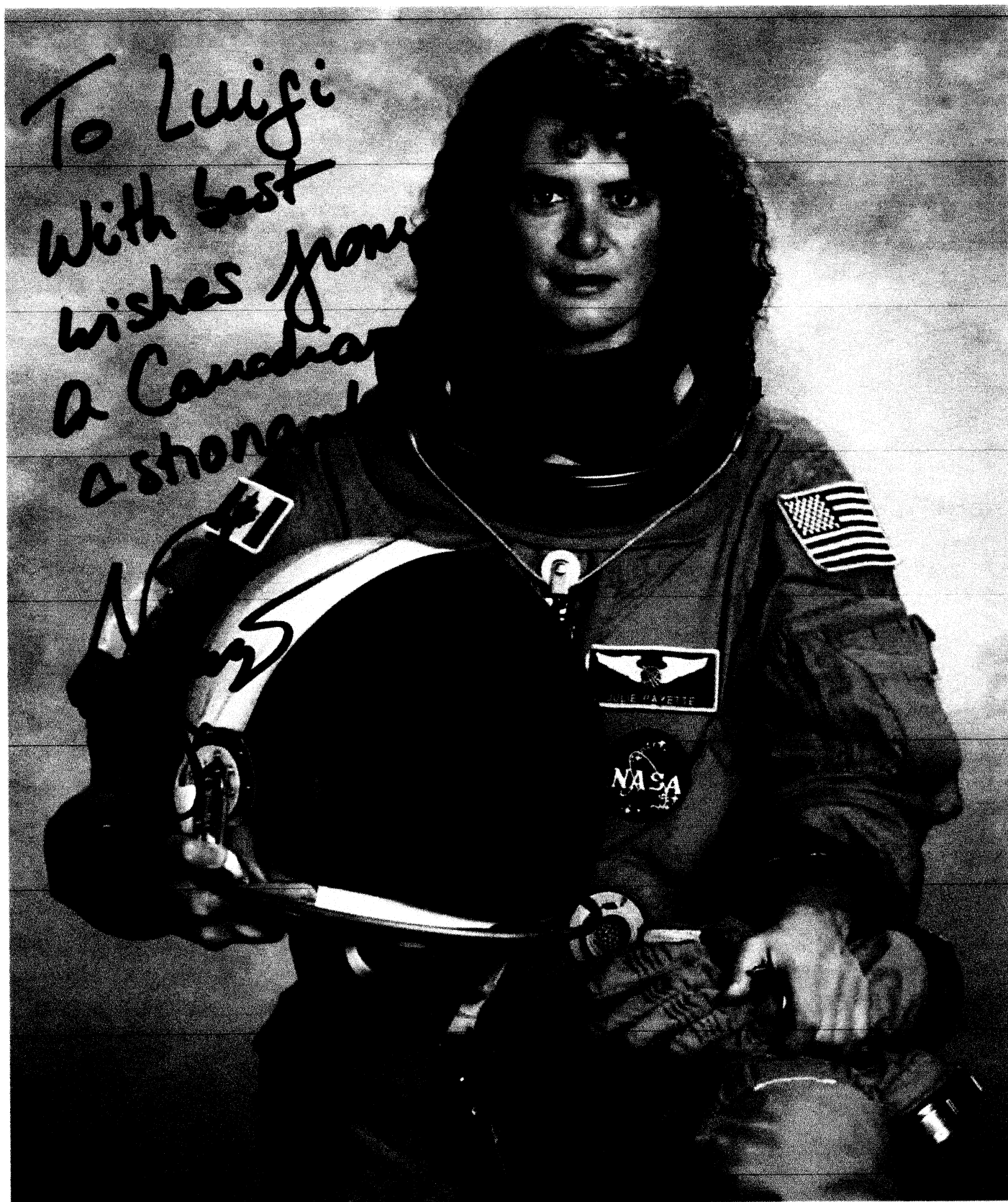
JULIE PAYETTE



Women in Space



Canadian Space Agency
Agence spatiale
canadienne



JULIE PAYETTE

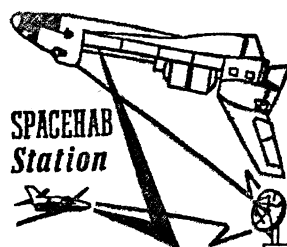
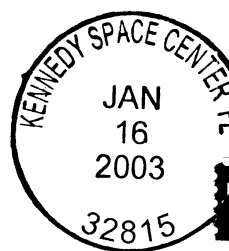
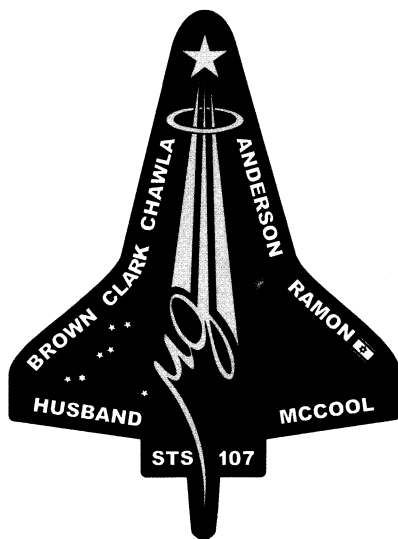
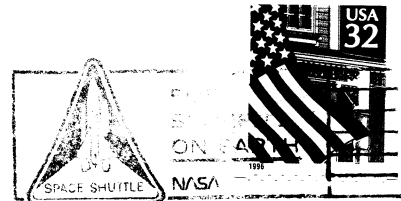
Canada

Women in Space

Kalpana CHAWLA (Jul. 1st 1961) – First Indian –American woman in space. Died in the second mission in the Columbia disaster. She was flying on STS 87 (Nov. 19th 1997) and on the ill-fated STS 107 (Jan. 16th 2003). She was in space for more than 1000 hours.



ASTRONAUT KALPANA CHAWLA
SHUTTLE FLIGHT STS-87



Houston, TX 77201

FEB 1 2003



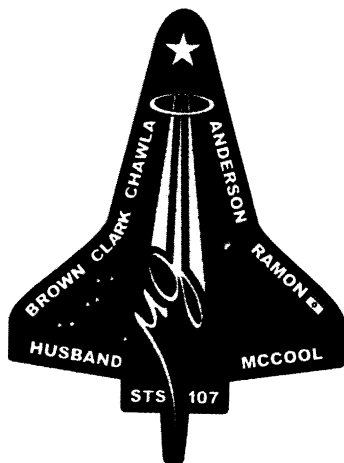
Women in Space

Laurel CLARK (Mar. 10th 1961 – Feb. 1st 2003) – Died at the first mission in space in the STS 107 Columbia disaster after having been in space for 382 hours.

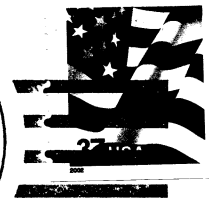
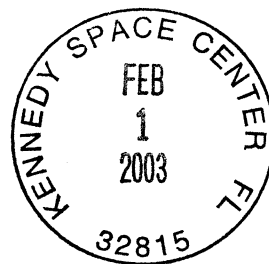


ASTRONAUT LAUREL CLARK
SPACE SHUTTLE COLUMBIA STS107

STS-107 COLUMBIA OV-102
RESEARCH MISSION



OFFICIAL COMMEMORATIVE



COLUMBIA LOST OVER
TEXAS DURING RE-ENTRY
CREW OF SEVEN PERISH

Women in Space

Nicole STOTT (Nov. 11th 1962) – She accomplished two missions in space on STS 128 (Aug. 28th 2009) and on STS 133 (Feb. 24th 2011). In space for 2477 hours.

**Launch of the Discovery STS-128
128th Space Shuttle Mission**



Colorano "Silk" Cachet

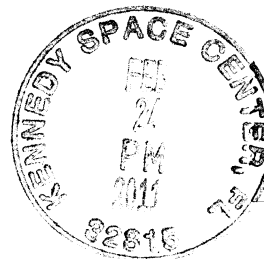


August 28, 2009. Attired in training versions of the shuttle launch and entry suits, these seven astronauts take a break from training to pose for the STS-128 crew portrait. Seated are NASA astronauts Rick Sturckow (right) commander, and Kevin Ford, pilot. From left (standing) are astronauts Jose Hernandez, John "Danny" Olivas, Nicole Stott, European Space Agency's Christer Fuglesang, and Patrick Forrester. (NASA Photo)

**Launch of the Discovery STS-133
133rd Space Shuttle Mission**



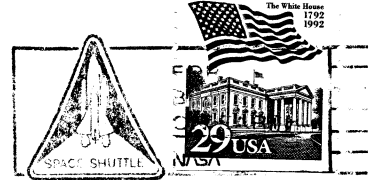
Colorano "Silk" Cachet



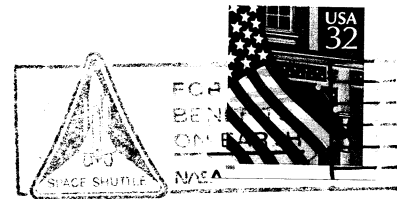
Feb 24, 2011. Six NASA astronauts pose for their STS-133 crew portrait. Pictured are (from left) Alvin Drew, Nicole Stott, Steve Lindsey, commander, Eric Boe, pilot, Michael Barratt and Steve Bowen. (NASA Photo)

Women in Space

Jan DAVIS (Nov 1st 1953) – Went to space with her husband and they were the first married couple to go together in space. She has flown on STS 47(Sep 12th 1992), on STS 60 (Feb 3rd 1994) and on STS 85 (Aug 7th 1997). In space for 674 hours.



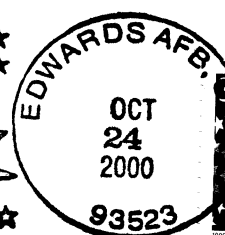
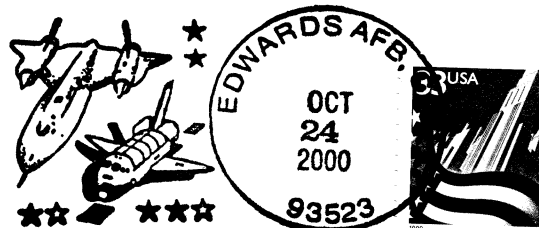
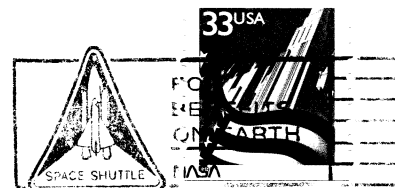
ASTRONAUT N. JAN DAVIS
SHUTTLE FLIGHT STS-47



ASTRONAUT N. JAN DAVIS
SHUTTLE FLIGHT STS-85

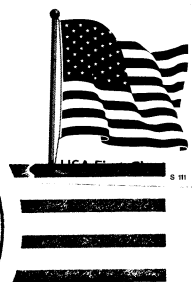
Women in Space

Pamela **MELROY** (Sep. 17th 1961) – Second female Shuttle pilot and mission Commander. In space for three missions on STS 92 (Oct. 11th 2000), on STS 112 (Oct. 2nd 2002) and STS 120 (Oct. 23rd 2007). She was in space for 569 hours.



Women in Space

Pamela **MELROY** (Sep 17th 1961)



Women in Space

Sunita WILLIAMS (SEP 19th 1965) – First Indian origin woman in space and ninth woman to walk in space at least seven times. She has flown on STS 116/117 up and down (Dec. 9th 2006) and on Soyuz TMA 05M (Jul 15th 2012).

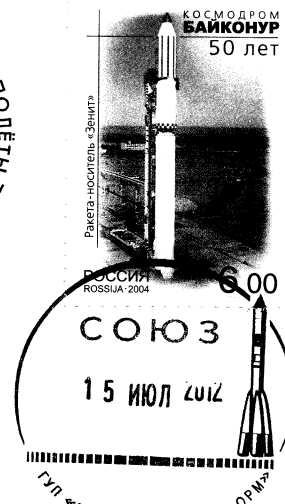
*Экипаж корабля
Союз ТМА-05М,
Космодром Байконур.*

Y. Malenchenko S. Williams A. Hoshide



Y. Malenchenko S. Williams A. Hoshide

Старт "СоюзТМА-05"
Start "Souyz TMA-05"



*141160
Московская обл.,
Звездный Городок,
9/6,
Темрюков К.А.*



**PAR AVION
AIR MAIL**

Jürgen Peter ESDERS
An der Apostelkirche 10
10783 Berlin
Germany - Allemagne

Women in Space

On STS 131 (April 2010) there were three women flying together, even if with different jobs : the americans Dorothy **METCALF LINDENBURGER** (1975) and Stephanie **WILSON** (1963) and the japanise Naoko **JAMAZAKI** (1970).

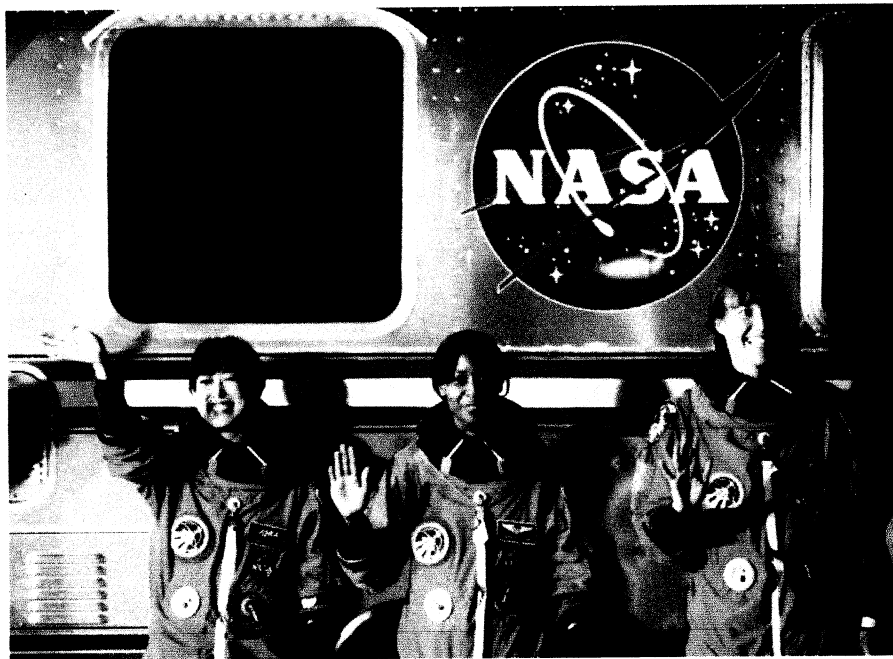
Launch of the Discovery STS-131
131st Space Shuttle Mission



Colorano "Silk" Cachet

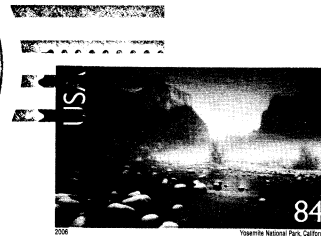
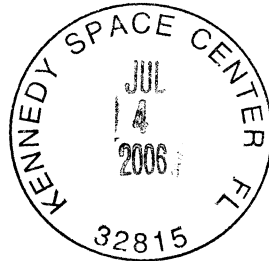


April 5, 2010. Posing for their crew portrait are the following STS-131 astronauts. Seated, Alan Poindexter, commander (right) and James P. Dutton Jr., pilot. Standing are Rick Mastracchio, Stephanie Wilson, Dorothy Metcalf-Lindenburger, Japan Aerospace Exploration Agency astronaut Naoko Yamazaki and Clayton Anderson, all mission specialists. (NASA Photo)



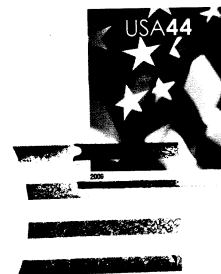
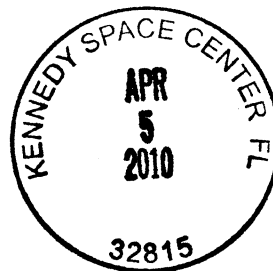
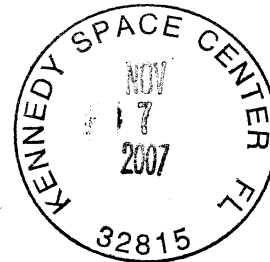
Women in Space

Stephanie **WILSON** (Sep. 27th 1966) – Payload specialist woman having flown in space for three times on STS 121 (Jul 4th 2006), on STS 120 (Oct. 23rd 2007) and on STS 131 (Apr 5th 2010).

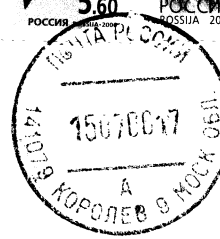
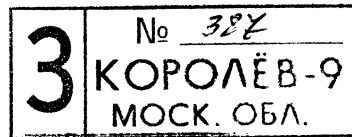
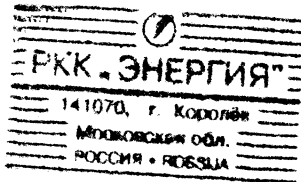


PAR AVION

Jürgen Peter Feders



Women in Space



UNDOCKING DISCOVERY TO ISS
MISSION STS-121
Отстыковка от МКС

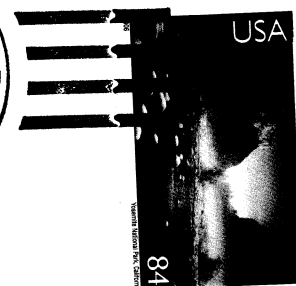
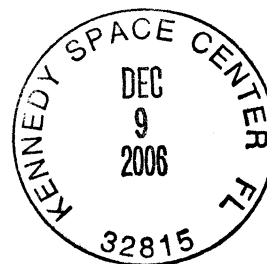
Москва А-581

а/а 518

Tempelby K.21.

Lisa NOWAK (May 30th 1963) – Payload specialist who flew in only one mission in space on STS 121 (Jul 4th 2006). In space for 400 hours.

Joan HIGGINBOTHAM (Aug 3rd 1964) . Payload specialist who flew just one mission in space on STS 116 (Dec 9th 2006)



**PAR AVION
AIR MAIL**

Jürgen Peter ESDERS
An der Apostelkirche 10
10783 Berlin
Germany - Allemagne

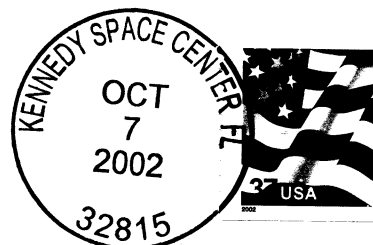


Women in Space

Sandra MAGNUS (Oct. 30th 1964) – Payload specialist who flew for three missions in space on STS 112 (Oct. 7th 2002) , on STS 126 (Nov. 14th 2008 but returning with STS 119) and on STS 135 (Jul. 8th 2011). She has been in space for 260 hours.



Colorano "Silk" Cachet



Launch of the Atlantis STS-112 111th Space Shuttle Mission

Oct 7, 2002. The five astronauts and one cosmonaut of the STS-112 crew, shown in this pre-flight crew photo are (L to R) mission specialists Sandra Magnus and David Wolf, mission commander Jeffrey Ashby, shuttle pilot Pamela Melroy, mission specialist Piers Sellers and cosmonaut Fyodor Yurchikhin, who represents Rosaviakosmos. (NASA photo)

STS-112 ATLANTIS OV-104
15th ISS Flight



OFFICIAL COMMEMORATIVE

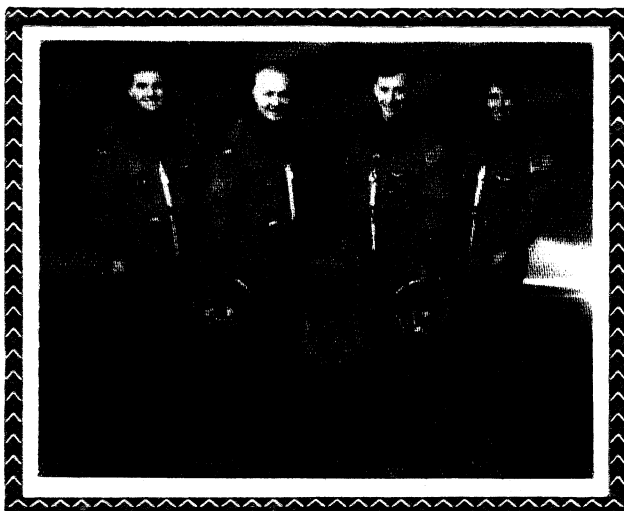


Women in Space

SANDRA MAGNUS



**Launch of the Atlantis STS-135
135th Space Shuttle Mission**



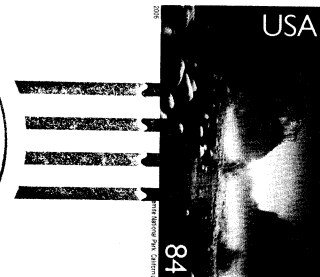
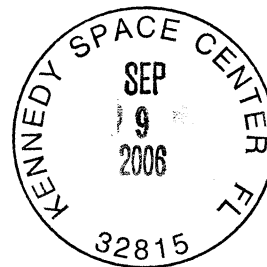
Colorano "Silk" Cachet



JUL 8, 2011. The final mission of America's space shuttle program begins today, as *Atlantis* begins a 13-day mission to the International Space Station. The four astronauts participating in this historic flight are (L to R): mission specialist Rex Walheim, pilot Doug Hurley, commander Chris Ferguson, and mission specialist Sandra Magnus. (NASA photo)

Women in Space

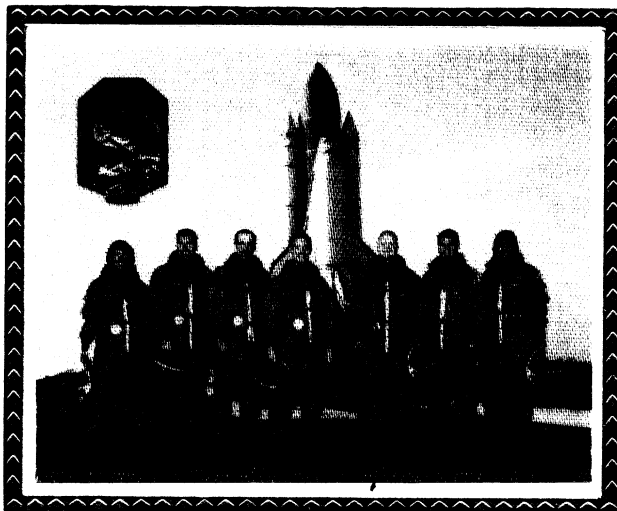
Heidemarie **STEFANYSHYN-PIPER** (Feb. 7th 1963) – Eight woman to walk in space at least for five times. She flew on two missions on STS 115 (Sep. 9th 2006) and on STS 126 (Nov. 14th 2008). She was in space for 420 hours.



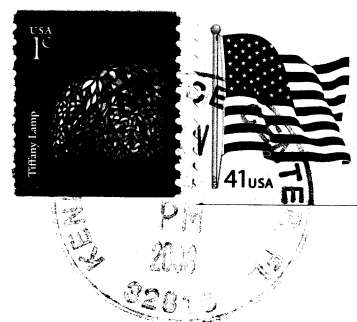
**PAR AVION
AIR MAIL**

Jürgen Peter Esders
An der Apostelkirche 10
10783 Berlin
Germany

Launch of the Endeavour STS-126
124th Space Shuttle Mission



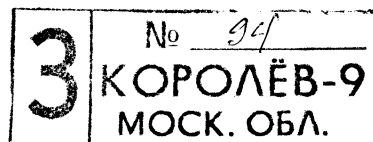
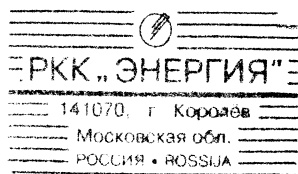
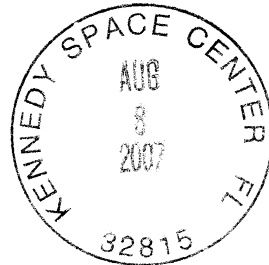
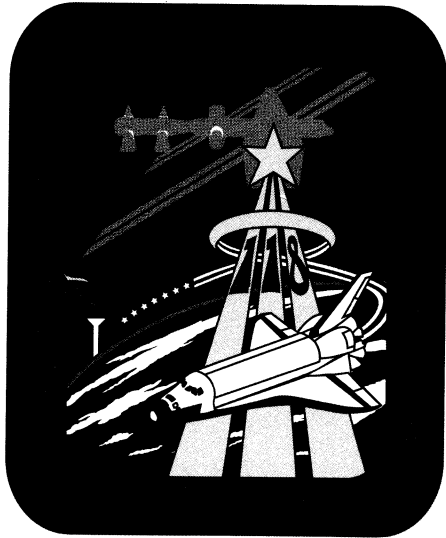
Colorano "Silk" Cachet



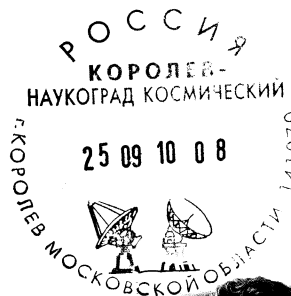
Nov. 14, 2008. Astronaut Christopher J. Ferguson, commander, is at center; and astronaut Eric A. Boe, pilot, is third from the right. Remaining crew members, pictured from left to right, are astronauts Sandra H. Magnus, Stephen G. Bowen, Donald R. Pettit, Robert S. Kimbrough and Heidemarie M. Stefanyshyn-Piper. The Space Shuttle Endeavour's main mission was to help complete the assembly of the International Space Station (ISS). (NASA Photo)

Women in Space

Tracy DYSON CALDWELL (Aug.14th 1969)- Flew on STS 118 on 2007 and on Soyuz Exp. 23/24 in 2010. In space for 2851 hours .



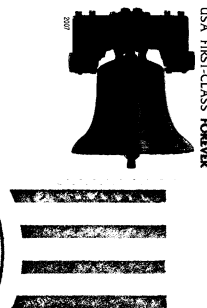
"Союз ТМА-18"
Отстыковка * Приземление
"Sojus TMA-18"
Undocking * Landing



Москва А-581
а/р 518
Тейрову К.И.

Women in Space

Karen **NYBERG** (Oct. 7th 1969) – She flew on STS 124 (May 31st 2008) and later on a russian mission Soyuz TMA 09M (May 28th 2013). She was in space for 560 hours.



K.Nyberg F.Yurchikhin L.Parmitano

Старт "Союз ТМА-09М"

Start "Soyuz TMA-09M"

Handwritten signatures of Karen Nyberg, Fyodor Yurchikhin, and Leonid Parmitano.



Women in Space

Peggy WHITSON (Feb. 9th 1960) - Flew on STS 111 up and on STS 113 down in 2002 later on on Exp. 16 on Soyuz in 2009 and now is in ISS where she has reached the highest record of permanence in space near to 15000 hours in total.



5 Jan. 2017. - During a six-hour 32-minute spacewalk, Expedition 50, Commander **SHANE KIMBROUGH** and Flight Engineer **PEGGY WHITSON** installed three adapter plates in the S-4 channel 3A electronics assembly connecting them to the new Lilon batteries to maintain circuitry and routed an ethernet cable.

**EVA NASA MISSION CONTROL
JOHNSON SPACE CENTER HOUSTON - TEXAS**

Lachet : www.espacephilatelic.com

ASTRONAUT EVA STATION
HOUSTON, TX 77201
JAN 5 2017



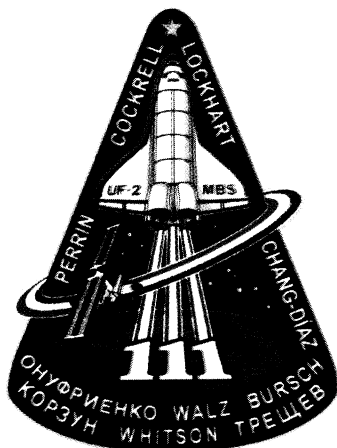
ESA PHILATELIC CLUB
966 L'ENFANT - PLAZA S.W.
SUITE 1404
WASHINGTON
DC 20024 - U.S.A. *Rollins* NICE



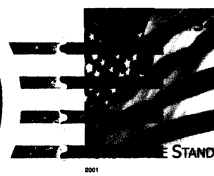
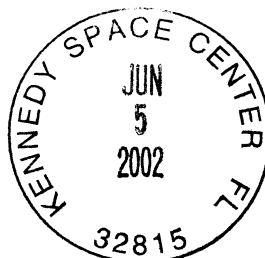
Women in Space

Peggy WHITSON (Feb. 9th 1960) - Flew on STS 111 up and on STS 113 down in 2002 later on on Exp. 16 on Soyuz in 2009 and now is in ISS where she has reached the highest record of permanence in space near to 15000 hours in total.

**STS-111 ENDEAVOUR OV-105
14TH ISS Flight**



OFFICIAL COMMEMORATIVE



**STS-113 ENDEAVOUR OV-105
16th ISS Flight**



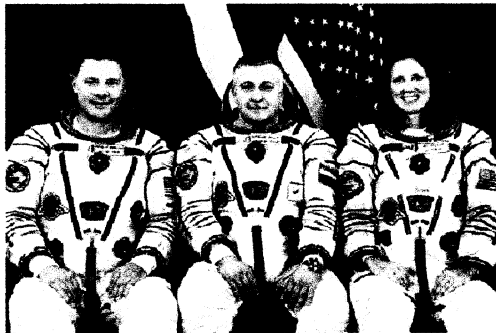
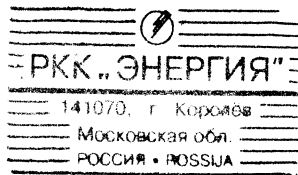
OFFICIAL COMMEMORATIVE



LOCKHART REPLACED LORIA
PETTIT REPLACED THOMAS

Women in Space

Shannon WALKER (Jun 4th 1965) – In space with Soyuz TMA 19 (Jun 15th 2010). In space for 240 hours.



D.H. Wheelock F. Yurchikhin S. Walker

"Союз ТМА-19"
Отстыковка * Приземление

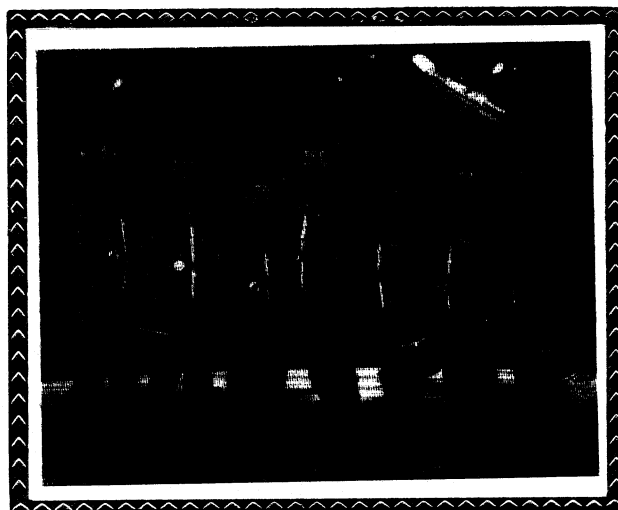
"Sojus TMA-19"
Undocking * Landing



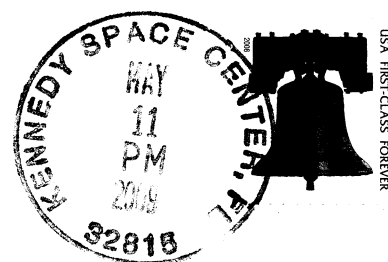
Москва А-581
а/я 518
Темплов К.И.

Megan MAC ARTHUR (aug.30th 1971) – Flew in space on STS 125 in 2009. She has been in space for 509 hours.

**Launch of the Atlantis STS-125
126th Space Shuttle Mission**



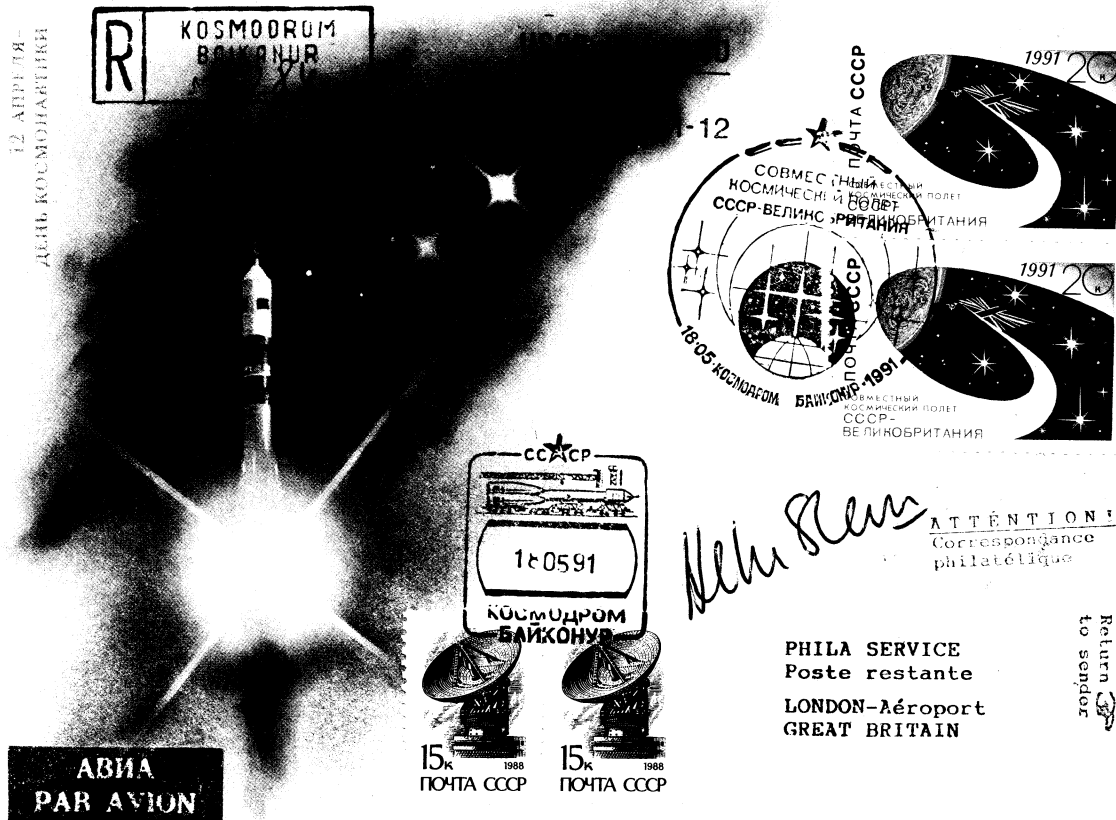
Colorano "Silk" Cachet



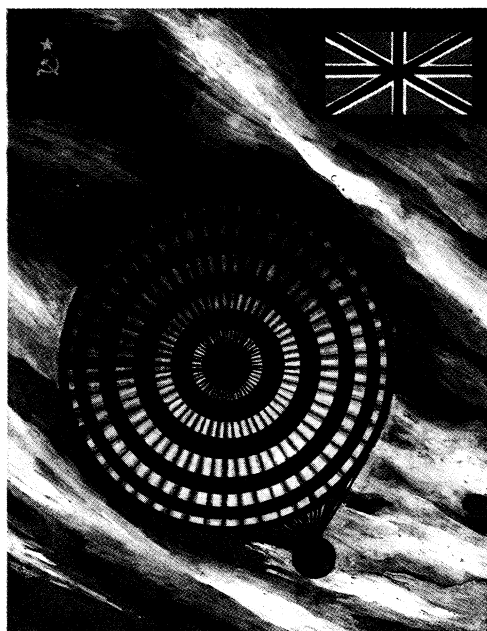
May 11, 2009. From the left are astronauts Michael J. Massimino, Michael T. Good, both mission specialists; Gregory C. Johnson, pilot; Scott D. Altman, commander; K. Megan McArthur, John M. Grunsfeld and Andrew J. Feustel, all mission specialists. The STS-125 mission will be the final space shuttle mission to the Hubble Space Telescope. (NASA Photo)

Women in Space

Helen SHARMAN (May 30th 1963) – First woman British citizen in space and second woman to fly to a space station (Mir 1991) . She had flight as mission specialist on Soyuz TM 12 (May 18th 1991) and returned on Soyuz TM 11 ten days after . In space for more than 189 hours. Hereafter enclosed the covers of launch and return to Earth.



**СОВМЕСТНЫЙ
СОВЕТСКО-БРИТАНСКИЙ
КОСМИЧЕСКИЙ ПОЛЕТ**



Спуск 26 мая 1991г.



Women in Space

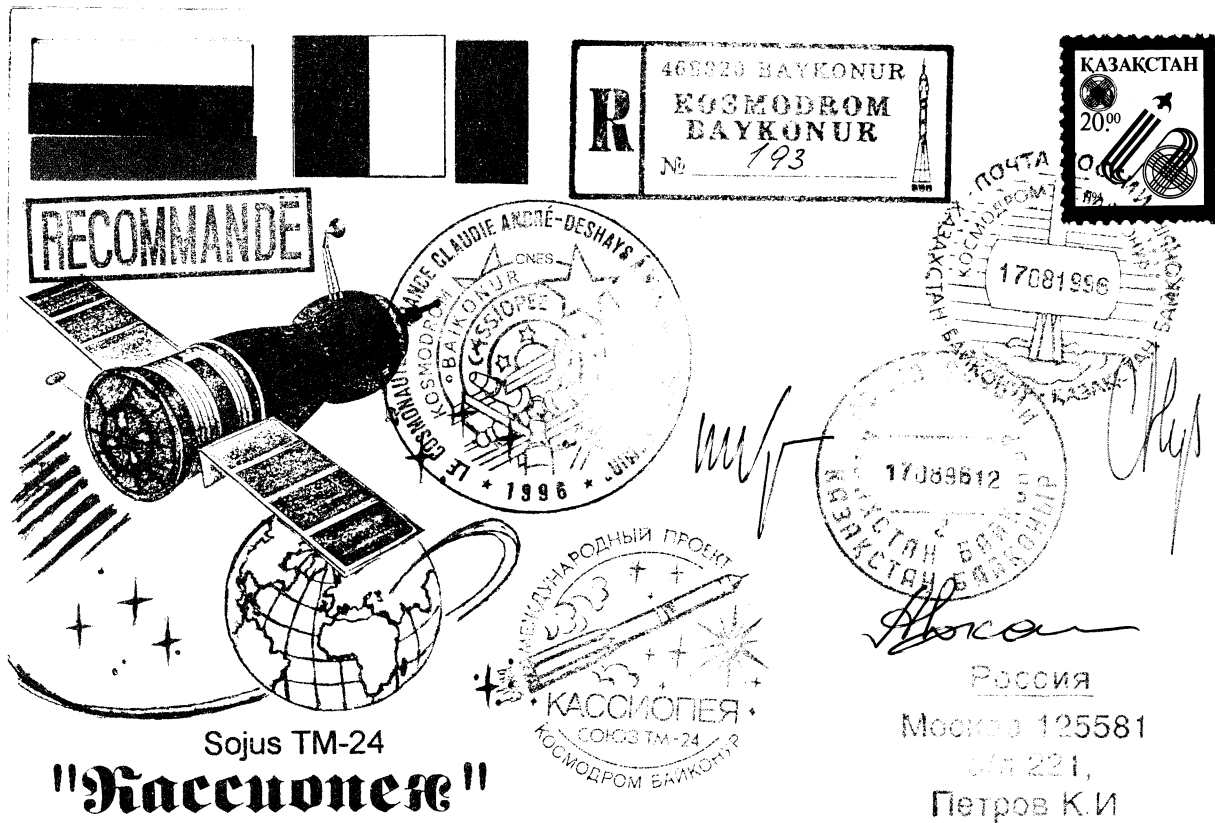
Helen **SHARMAN** (Maj 30th 1963)

Great Women You Should Know... Helen Sharman



Women in Space

Claudie Andr  DESHAYS AIGNERE'(May 13th 1957) – She has been the **first Frenchwoman in space flying with Soyouz TM 24/TM 25(Aug.17th 1996) and later on Soyouz TM 33/32 (Oct 21st 2001): In space for more trhan 514 hours.**



Women in Space

Claudie Andrè **DESHAYS HAIGNERE'**(May 13th 1957) –



ESA PHILATÉLIE
EUROPEAN SPACE AGENCY
Permanent Representation
Sretensky Bld 6/1 - N° 44 MOSCOW
CORRESPONDANCE
PHILATELIQUE

CENTRE NATIONAL D'ÉTUDES SPATIALES



CENTRE NATIONAL D'ÉTUDES SPATIALES

MISSION PERSEUS



Equipe principal

Doc CNES

Cl. Nicolas LE CORRE

CENTRE NATIONAL D'ÉTUDES SPATIALES



CENTRE NATIONAL D'ÉTUDES SPATIALES

MISSION PERSEUS



L'équipage suppléant

Doc CNES

Cl. Nicolas LE CORRE

Ce document fait partie de la série d'enveloppes philatéliques éditées par l'Ass. Phil. du CNES à l'occasion de la Mission PERSEUS

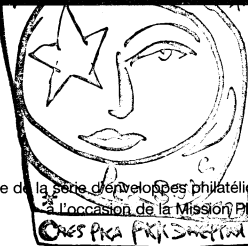
Tirage limité N°

0417

Ce document fait partie de la série d'enveloppes philatéliques éditées par l'Ass. Phil. du CNES à l'occasion de la Mission PERSEUS

Tirage limité N°

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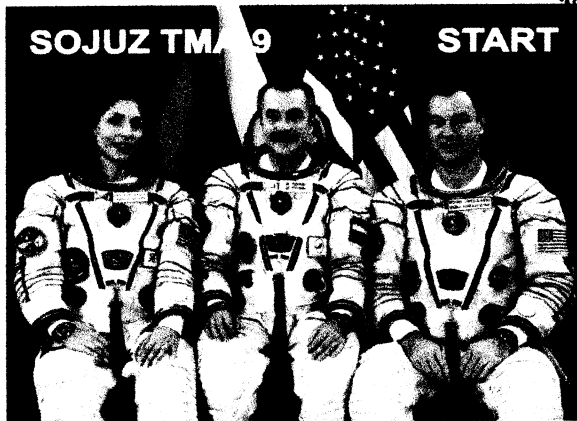
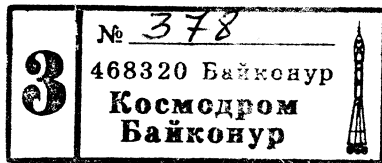
Women in Space

Astronaut HAIGNERE' : first she is providing me with award of
ASTRONAUTICS Academy in Glasgow 2008 and latter in India in 2009 at



Women in Space

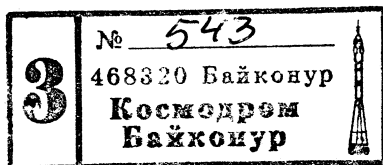
Anoushes **ANSARI** (Sep. 12th 1966) – First female in space as tourist (fourth in this class) and first woman of iranian –american origin. She flew on a russian mission on TMA 9/8 (Sep. 18th 2006) for ten days. She was in space for 240 hours.



А.Ансари М.Тюрин М.Лопез-Алегрия



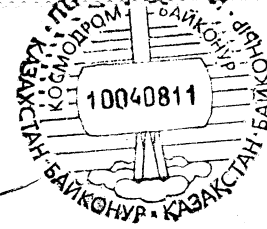
Полная пошта
N-14400,
Урусова О. А.



Полная пошта
N-14400,
Урусова О. А.

Women in Space

Yi SO-YEON (June 2nd 1978) – First Korean woman in space as tourist.
She flew on a russian mission on TMA 12 (Apr. 8th till April 19th 2008).
She was in space for 261 hours.



R. G. Gagarin
Маленченко
Yi So-yeon
W. K. K.
W. K. K.



P. Whitson Y. Malenchenko Yi So-yeon



Undocking "Sojus TMA -11"

Отстыковка "Союз ТМА-11"

Москва А-581

а/я 518

Ханжаров К.И.

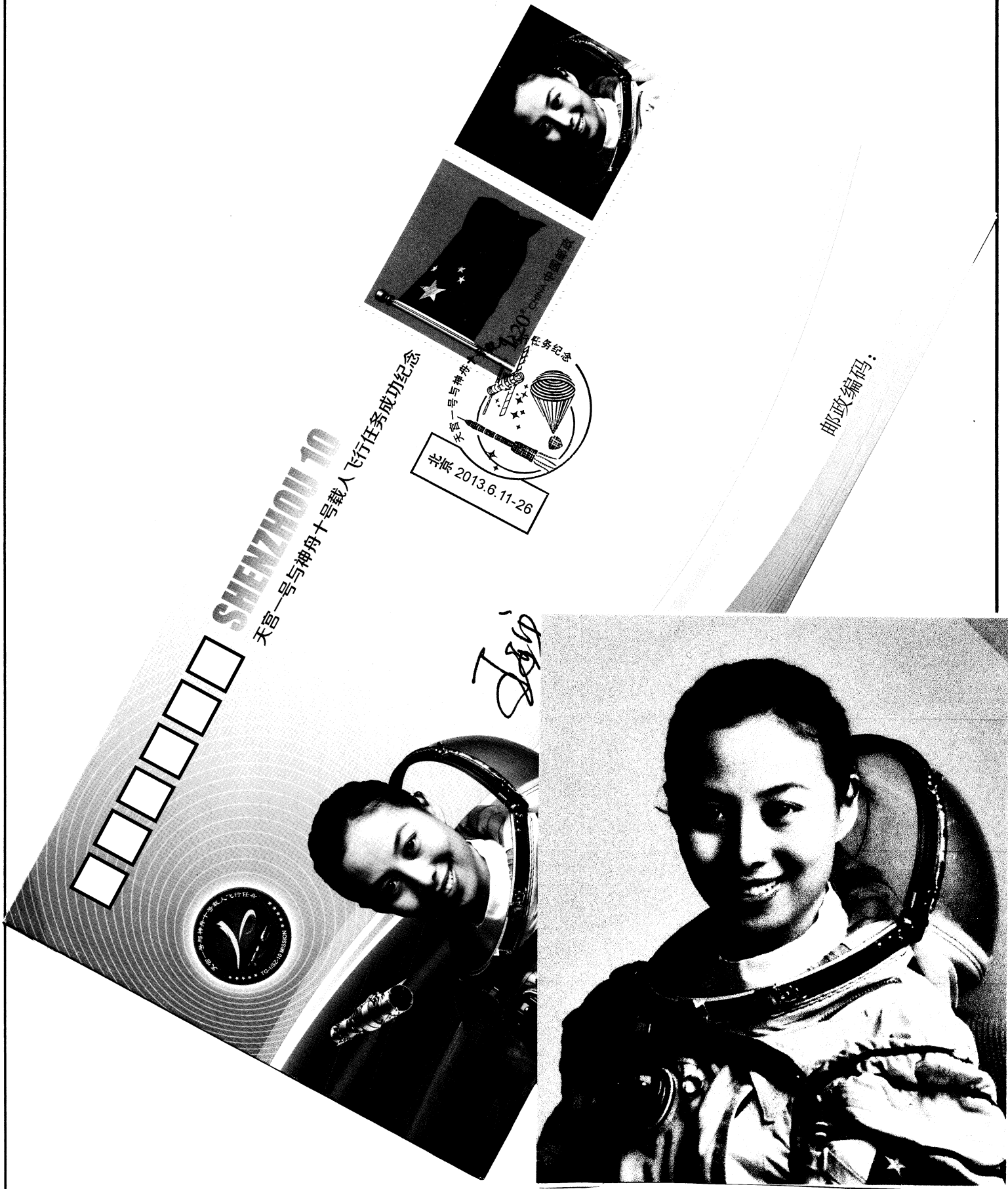
Women in Space

Liu YANG (Oct. 6th 1978) – First Chinese woman in space with Shenzhou 9
on June 16th 2012.



Women in Space

Wang **YAPING** (Jan. 27th 1980) – Second chinese woman in space with
Shenzou 10 mission (June 11th 2013)

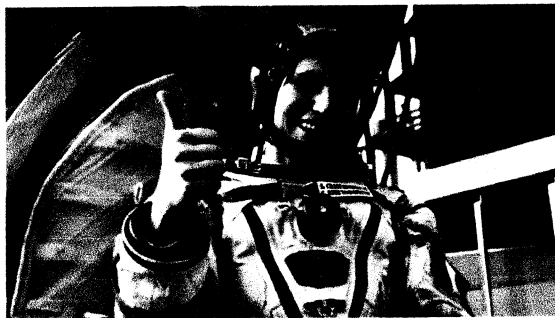


Women in Space

Samantha CRISTOFORETTI (Apr 26th 1977) – ESA Astronaut. First Italian woman in space as well as first italian woman on ISS; she has a record as longest spaceflight (199 days) starting on Soyuz TMA 15M (Nov. 23rd 2014).



**Samantha Cristoforetti (ESA, Italien)
Erster Raumflug**

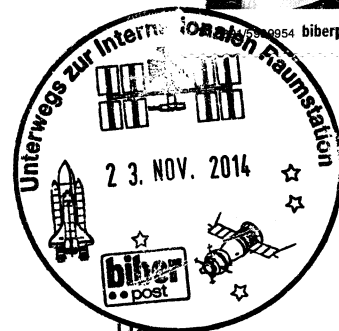


0,48 €

Samantha Cristoforetti



0100253404172946



Herrn
Ralf Schulz
Bautzener Allee 3
02977 Hoyerswerda

Internationale Raumstation – МКС – ISS - Kopplung – стыковка - docking Союз ТМА-15М



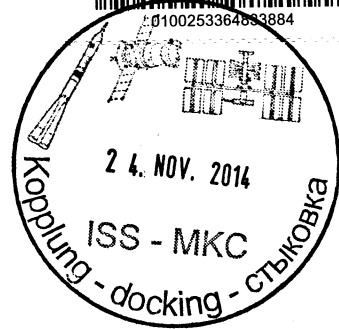
0,48 € Kopplung Sojus TMA-15m



biberpost



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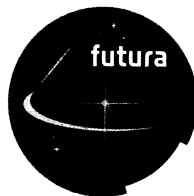


**Terry Virts (USA, Bordingenieur); Anton Schkaplerow (Russland/
Kommandant); Samantha Christoforetti (Italien/Bordingenieur)**

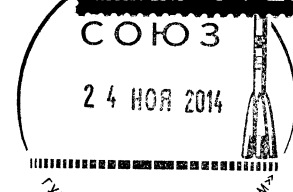
Women in Space

Samantha CRISTOFORETTI - Cover of the launch with Soyuz TMA 15M and cover on ISS for celebrating the 50° anniversary of the first Italian satellite launch, both signed by Samantha and the crew on ISS in that occasion.

S. Cristoforetti
Julia
Ty



Старт «Союз ТМА-15М» - Лансio «Soyuz TMA-15M»



Satellite San Marco

1964 15 dicembre 2014

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 Wallops 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).

**50 anni di
Italia nello Spazio**

Julia
B. Wilmore
Ty



Women in Space

Samantha CRISTOFORETTI

