

Patrizia Caraveo INAF



Role model-a scientist



Role model-an astronaut



MOSCOU, RUSSIA

ESA astronaut Samantha Cristoforetti (left) with cosmonaut Anton Shkaplerov, and NASA astronaut Terry Virts (right), in training before their flight to the international Space Station.

cristoforetti_crew_sipa press Foto 4 di 4

Role model- a professor



Learning by doing



Learning by doing





Learning to pursue a career

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ESA MALINDI STATION - LUIGI BROGLIO SPACE CENTER MALINDI, KENYA

Anita Vuya recently graduated from Pwani University in Kilifi, Kenya, with a degree in physics, and plans to continue her study of space science at graduate level.

Space & women

European Space Agency





10% is a magic number

SPACE CUDIS SPACE WOMEN

O DALLE DONNE



Sipa

Press

NAZIONALE SCIENZA E TECNOLOGI LEONARDO DA VINCI

10% is the fraction of women astronaut

CCCS2

Space is a tough environment



MARTHA ACKMANN

Foreword by LYNN SHERR

The MERCURY 13

THE TRUE STORY OF THIRTEEN WOMEN AND THE DREAM OF SPACE FLIGHT

THE U.S. TEAM IS STILL WARMING UP THE BENCH

The U.S. could have been first to put a woman up in space merely by deciding to do so. Way back in February of 1960 a girl pilot named Jerrie Cobb (for right) successfully underwent the same grueling physical examination that the Mercury Astronauts had taken. By 1961 the 12 other women shown here had gone through the same battery of tests. All of them were experienced pilots with qualifications far more impressive than Valentina Tereshkova's. To a woman, they were eager to go into orbit. "I'd like to see what's up there and help America explore space," said Mary Wallace Funk. "One of us better make it fast," warned Irene Leverton, "because the Russians are darned well going to send up women."

Until Astronaut Alan Shepard made the first



A fifth-grade teacher in Akron, Ohio,

she is an Air Force Reserve captain

Once a WASP test pilot and flight in-

structor, 19-year-old Jean flies every-

thing from blimps to gliders to jets.

MARION DIETRICH

Like her twin sister Jan at left, she is

a pilot in California. At 36, she flies

pianist and writes tree-lance articles.

She also has a degree in psychology

now den

charter planes, is an acco

Youngest of the group at 24, she is chief pilot for a California flying service. Last year, on her own initiative, she went through centrifuge tests and a U.S. Marine high-altitude chamber



JAN DIETRICH Company pilot for a large California construction firm, she has logged over \$,000 hours of flying time and is one of the select group of women with an airline transport pilot's rating

American flight in May of 1961, NASA steadfastly disclaimed any connection with woman-in-space training. Only then was Jerrie Cobb appointed to her job as a never-consulted consultant to NASA Administrator James Webb. Even after her appointment, any training the ladies received has been unofficial and due entirely to their own stubborn efforts. Two years ago, when Russian space scientists visiting the U.S. first let on that they had a training program for female cosmonauts, Jerrie Cobb went to Washington, collaring anyone who would listen, pleading for a formal American woman-in-space program. The best she got was polite indifference. Jerrie and her 12 colleagues are exhilarated by Valentina's feat, but denressed that it wasn't American. Now," Jerrie said, "maybe we'll get some action.

MYRTLE CAGLE

flight instructor in Macon, Ga.

she is 38 and married to an ex-pupil.

As a child she once jumped from the roof with only a pillowcase to slow

her descent. She flew airplanes at 14.



and the second

A schooltescher before she turned pilot, she is 32. She and her husband have an aircraft brokerage business in Texas, and she delivers planes to their customers around the country



SARAH LEE GORELICK Supervisor of a flying school in Cali-Trained in mathematics, physics and fornia, she has independently under gone rigorous pre-space-flight tests at Edwards Air Force Base. At 36, she parachutes and skis to keep in shape.



GERALDINE SLOAN A pilot for a Dallas aviation firm in 33, di prood, has an 11-year



aircraft manufacturer in Wichita, Kan. She formerly taught flying, sstrates and sells airpla

BERNICE TRIMBLE STEADMAN A lawyer's wife, at 37 she owns and operates a charter service and flying school at the Flint, Mich. airport. She old son. "I do push-ups and watch my diet," she says, "but I'm getting gives frequent lectures on seace opportunities for youth and women. tired of staving in share for nothing



JANE HART

ried to Senator Philip Hart, Michigan

Democrat. She has often flown him

around on campaign tours, frequent

In takes their eight children aloft

Why Not Sp * * * Senator's Wife Hits

WASHINGTON (P) -Sen. Phillip A. Hart's blonde wife -mother of eight-is asking Vice President Lyndon B. Johnson to help break up the "men only" exclusiveness of the Americans-in-space program. She would like to be the first woman in space herself.

The wife of the Michigan Democrat wants the United States to launch a woman-inspace program. So far, she says, she has gotten the cold shoulder.

A program for female astronauts "could be gotten off the ground very quickly if we could just convince men it



astronauts when they first aspired to the job.

Mrs. Hart and her group group have logged more than 1,000 hours of flying time. She is a licensed airplane and helicopter pilot.

Accompanying her Thursday will be Jerrie Cobb of Oklahoma City, a widely known woman pilot who was the first to take the tests. Mrs. Hart has written members of the Senate and House space com-



not just in orbit









MOM orbit insertion



Women in Italian astronomy

Francesca Matteucci, Università di Trieste, Chair of INAF Scientific Council

Raffaele Gratton, INAF-Osservatorio Astronomico di Padova



Figure 3. Fraction of women among IAU members of the ten most productive countries in astronomy