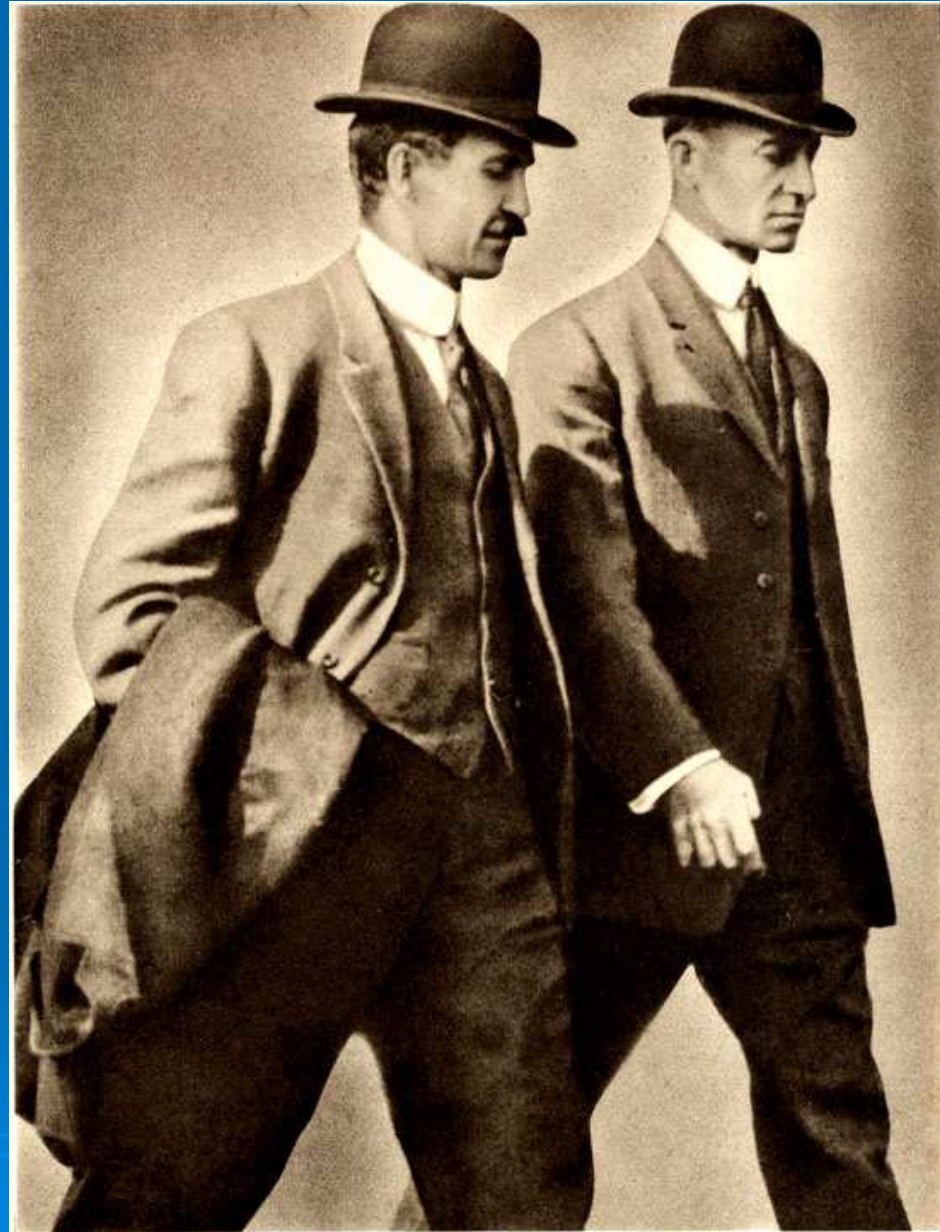




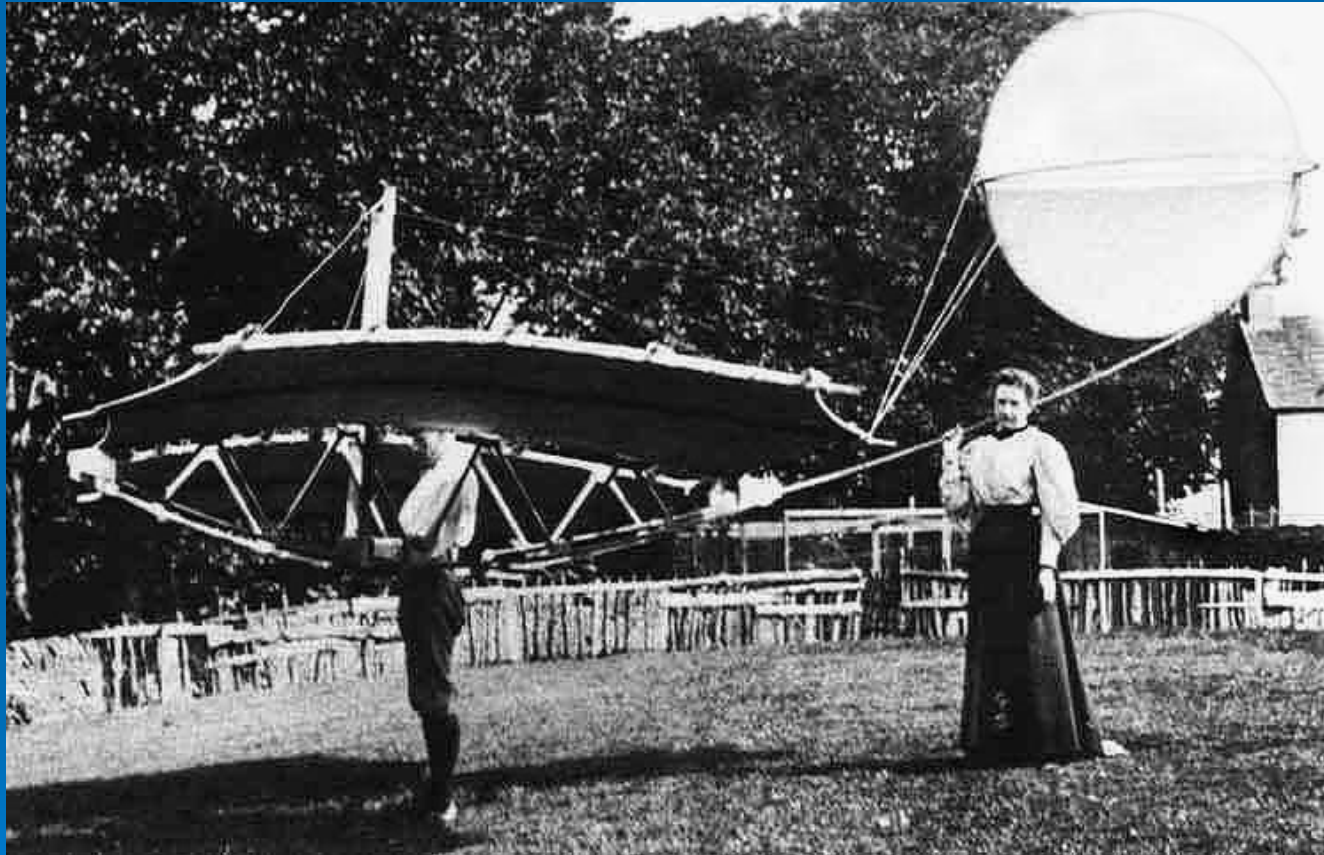


Who IS this  
woman?

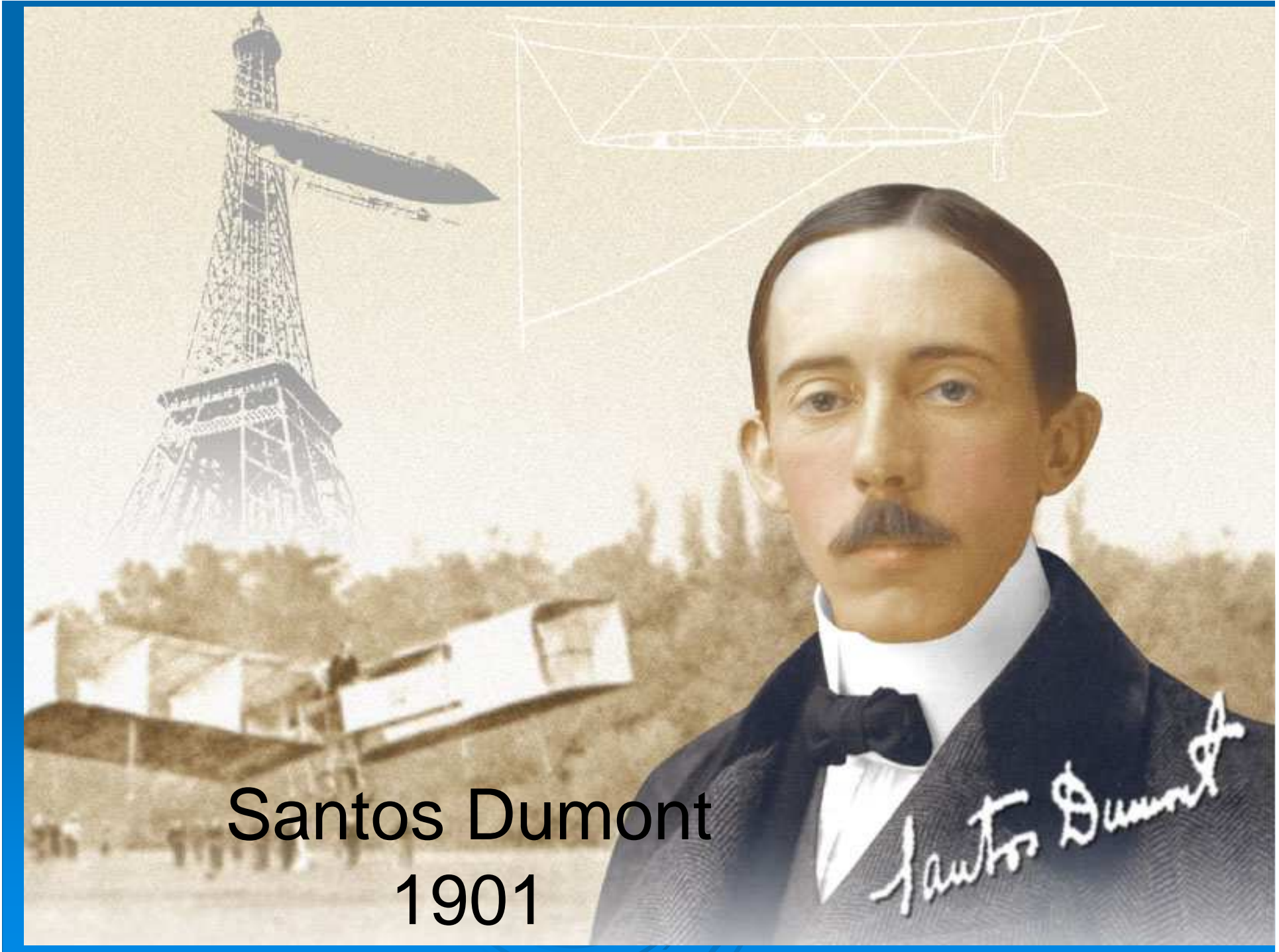
Who are these  
famous  
brothers?



The Wright Brother weren't the only sibling duo trying to be the first in flight.



Ella and Percy Pilcher, ca 1895



Santos Dumont  
1901



Aida De Acosta 1903



Katharine Wright 1874-1929



Katharine's first flight  
was with Wilbur in  
Pau, France 1909



# Harriet Quimby 1875-1912



**When Harriet crossed the English Channel on April 16, 1912 her accomplishment was not covered by the media as she had hoped because of this major disaster.**



# Bessie Coleman

1892-1926



# Amelia Earhart

## 1897-1937?



- First woman to cross the Atlantic as a passenger 1928
- First woman to cross the Atlantic solo 1932
- Disappeared in 1937 attempting to become the first person to fly around the world along the equator

# Jackie Cochran

1906-1980



WASP



This famous American animator created this cartoon character which was adopted by the WASP as their official mascot.

# Mercury 13



# First Women in Space

- Valentina Tereshkova 1963
- Svetlana Savitskaya 1982
- Sally Ride 1983





# Women in Air & Space Today



# Tammy Harrington



- Senior Mission Manager of Mars Reconnaissance Orbiter (MRO)
- Compton Gamma Ray Observatory
- Communication, Navigation, Networking reconfigurable Testbed (CoNNeCT)

# Ann Over

- Cassini mission to Saturn
- Communication, Navigation, Networking reconfigurable Testbed (CoNNeCT)



# Becky Duke



Boeing 737 First  
Officer

# Shelia Kay Thompson



- While stationed in Antarctica with the U.S. Air Force she worked as a navigator and was later awarded the Aerial Achievement Medal for her there

# So what!

## Why should I care about women in air & space?

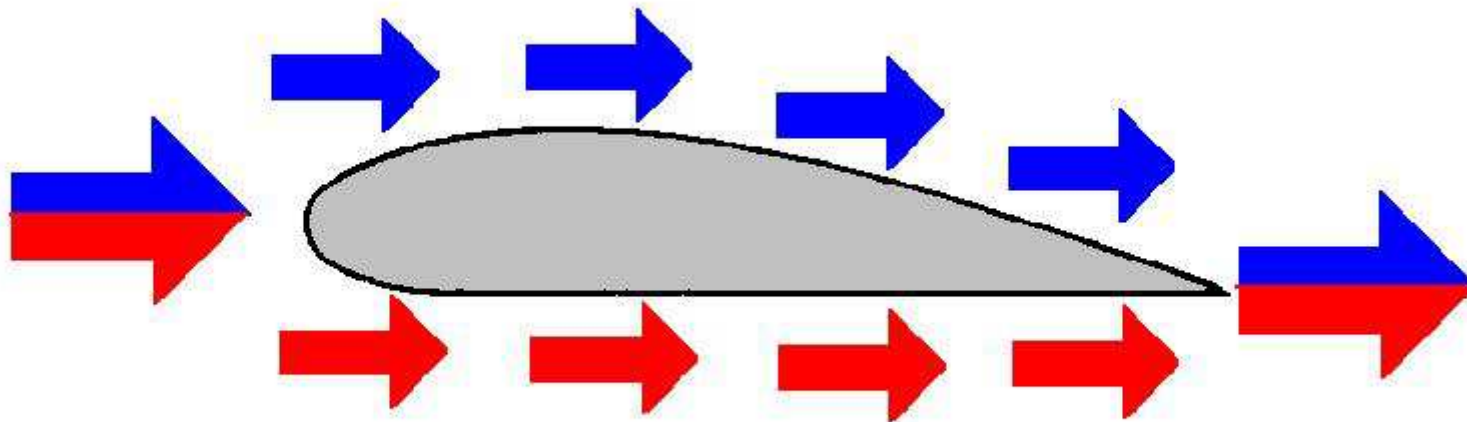
- Only 6% of professional pilots are women
- Only 21.85% of non-pilot aviation related careers are held by women
- Only 16% of people working in the aircraft, spacecraft and manufacturing industry are female
- Don't take my word for it! Hear from the women themselves at <http://women.nasa.gov/>



Now let's talk about a little  
science...

## ➤ Bernoulli's Principle

Lower pressure is caused by the increased speed of the air over the wing.



Since the pressure is higher beneath the wing the wing is pushed upwards.





Thrust

# Aerodynamics



These properties insofar as they result in maximum efficiency of motion.

# Thank you!

The International Women's Air & Space Museum  
is open

**Sunday through Saturday**  
**8am-8pm**

and the office and gift shop  
are open

**Monday through Saturday**  
**10am-4pm**

