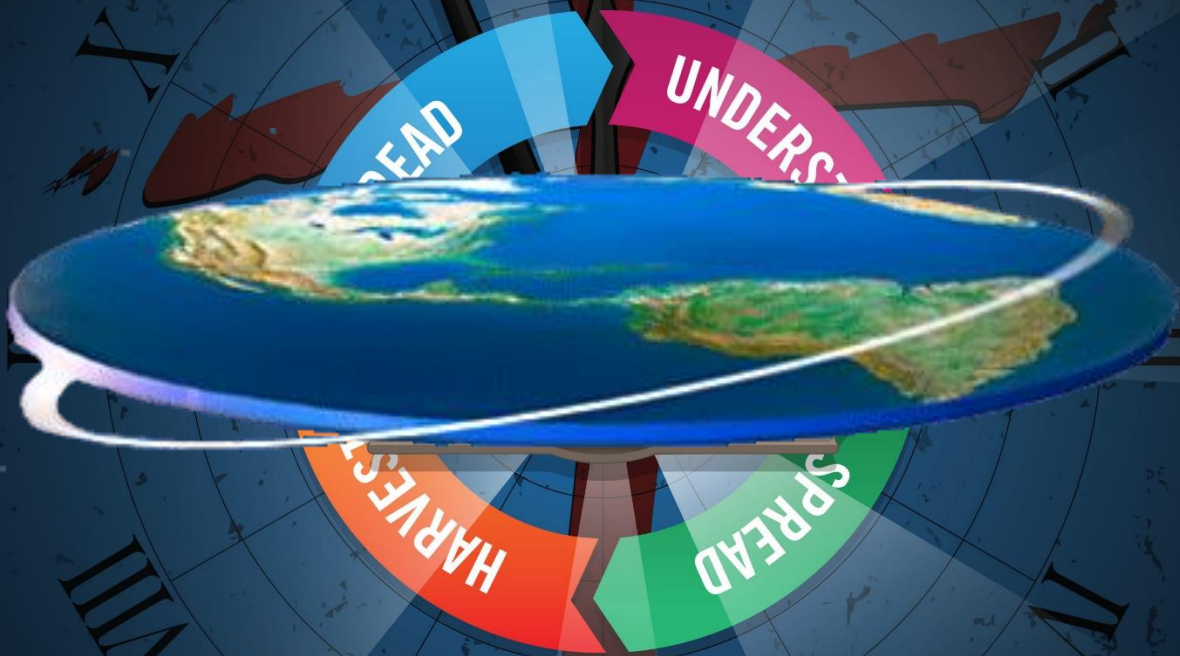


Apologetics Project
Positional Paper

R.U.S.H.



A BIBLE STUDY

KNOW WHAT YOU'RE TALKING ABOUT FAST

Debunking Flat Earth

DAVID HOBRATH



I can't believe I even have to do this. DH

Debunking Flat Earth

There are so many versions of Flat Earth Theory that I am certainly not going to be able to give adequate elbow room to all of the nuances of every school of this lunacy.

I have zero respect for this position for several reasons that I will cover here and should you desire to send me an e-mail why you feel I may be mistaken my personal e-mail is:

davidhobrath@aol.com.

I will represent the flat earth positions commonly accepted model as published on

The Flat Earth Society Web Page

This model is well represented by the illustration below.



The most popular positions or assertions among flat earthers consist of the following:

1. A flat round Earth often described as a platelike structure.
2. Surrounded by a wall of ice that prevents the oceans from spilling over the Earth's edge.
3. Static or unmoving. Not rotating in orbit around the Sun, or rotating on its own axis.
4. That the Sun, Moon and stars are moving across our night sky.
5. That the South Pole doesn't exist and that no manned or unmanned flights travel in a flight plan from north pole to the south pole.
6. That the South Pole is somehow off limits to human exploration, or flight path from Sydney Australia or South Africa to South America.
7. Some feel in addition to the above, that there may be a dome above our Earth as well. This postulate often includes the theory that the stars we see in the night sky are merely lights or projections placed there to appear as a starry night sky.

The Globe Earth position consists of:

1. A spherical Earth. That the planet we live on is a globe.
2. That the earth is spinning at one revolution every 23 hours, 56 minutes and 4 seconds.
3. That the earth is in ecliptic orbit around the Sun, making this journey every 365 days and 5 hours. This orbit is not a perfect circle, but a slightly oval in shape.
4. Our earth has an Axial tilt, also known as an obliquity of 23.5 degrees.

This authors favorite arguments against flat earth are as follows:

1. **The observable night sky.** The stars in the northern hemisphere rotate counter-clockwise, the stars in the southern hemisphere rotate clockwise. The night sky at the equator goes east to west. This is impossible on the flat earth model and must occur on a sphere that is spinning. **(see pg. 5)**. Also, the shadow of the Earth is always round on the Moon. This is impossible on the flat earth model.
2. **The Foucault Pendulum** which displays the rotation of the Earth and revolves clockwise and counter clockwise in the respective hemispheres everywhere in the world, and also makes the circle every 24 hours everywhere in the world. This is impossible on a flat stationary earth but must occur on a spherical earth that is rotating. There are thousands of these pendulums set up for the public to enjoy with the closest to us being at ASU's campus in Tempe. It is located in the Bateman Physical Sciences Center on campus. **(see pg. 6)**
3. **The Coriolis effect.** This is easiest to display by firing a cannon or bullet towards the nearest pole. In the Northern Hemisphere the projectile veers to the right. In the Southern Hemisphere it will veer to the left. If you fire the projectile away from your respective pole the opposite is true. This can only occur on a spherical earth that is spinning and cannot occur on a flat static earth model. **(see pg. 7)**
4. **Flight plans,** Polar orbiting planes and satellites, and exploratory excursions. This occurring all the while flat earthers claim no such travel exists. **(see pg.'s 8-9)**

Point #1 The Observable Night Sky

Time Lapse Photo of the Northern Sky



Time Lapse Photo of the Southern Sky



Time Lapse Photo over the Equator



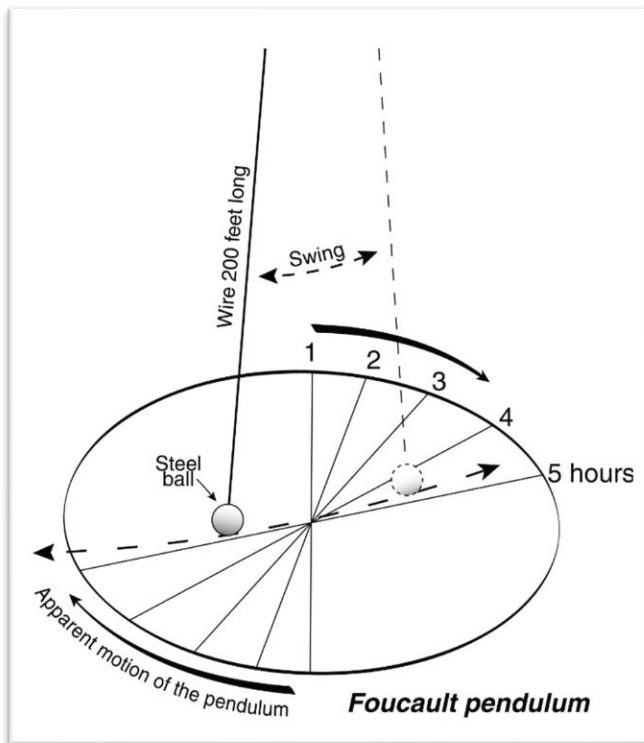
Point #2 The Foucault Pendulum



From the Pantheon in France



**Desktop Model avail. @
www.teachersource.com**

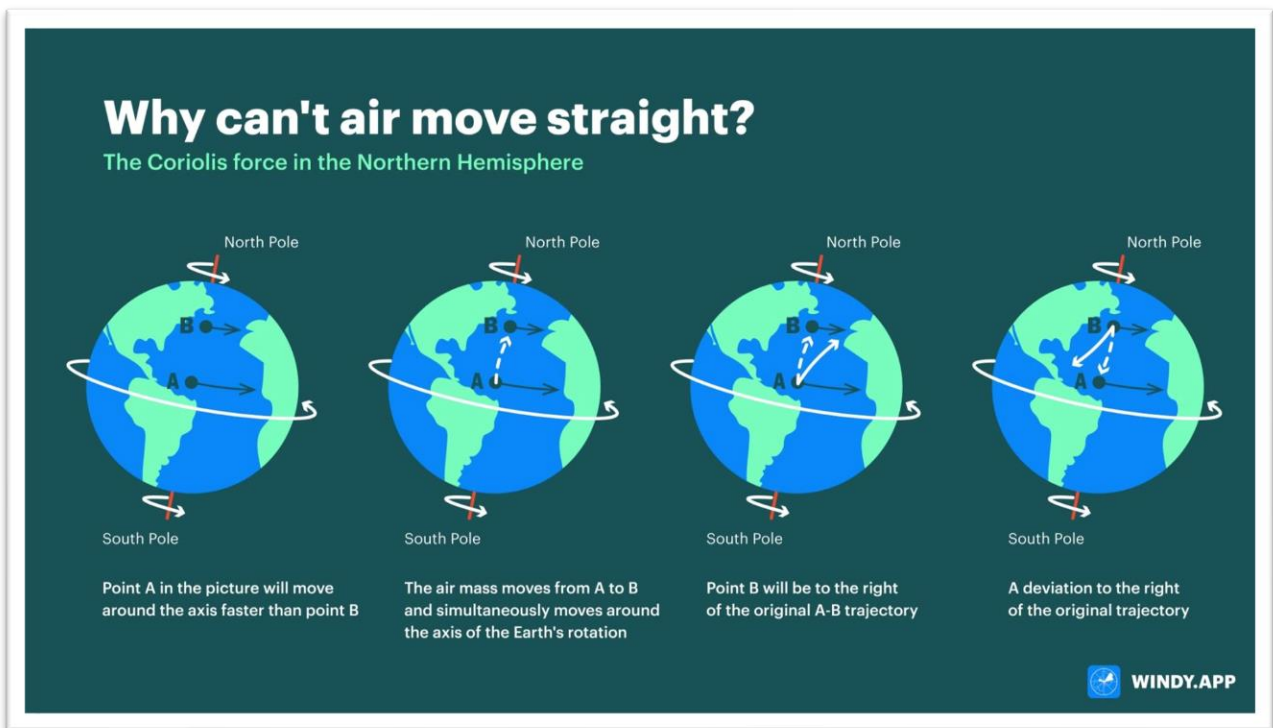
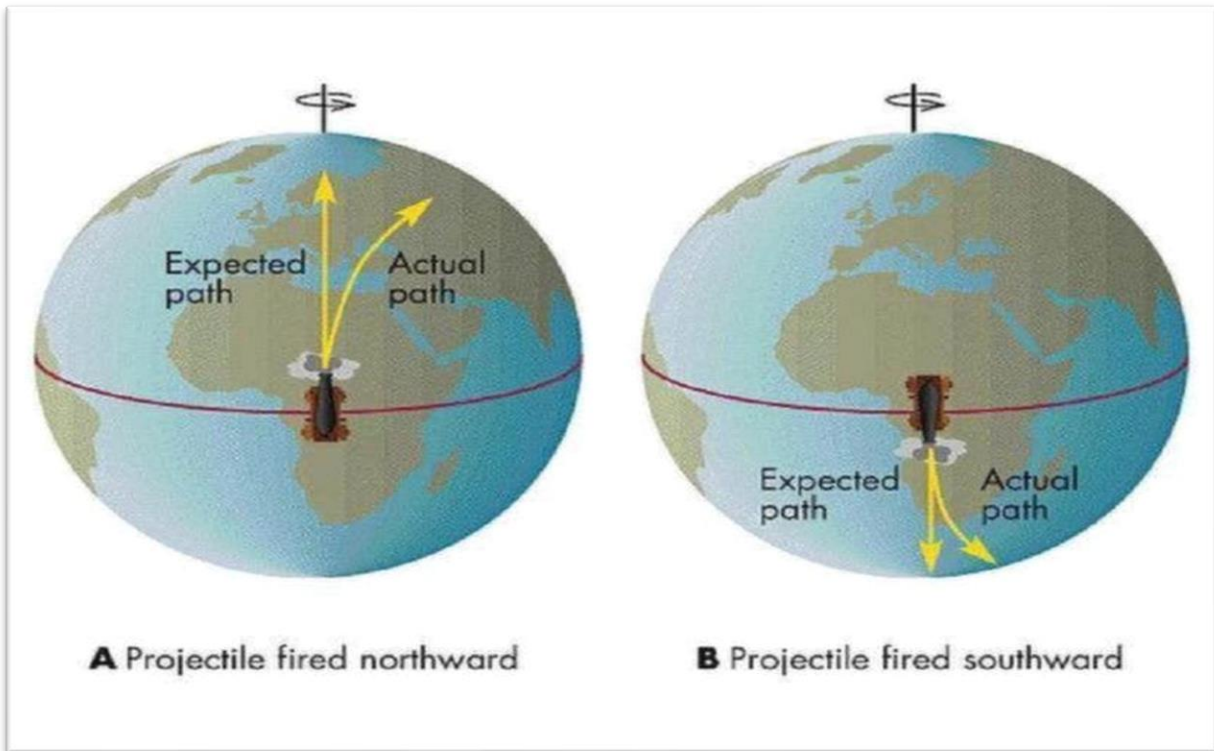


Arc and Trajectory



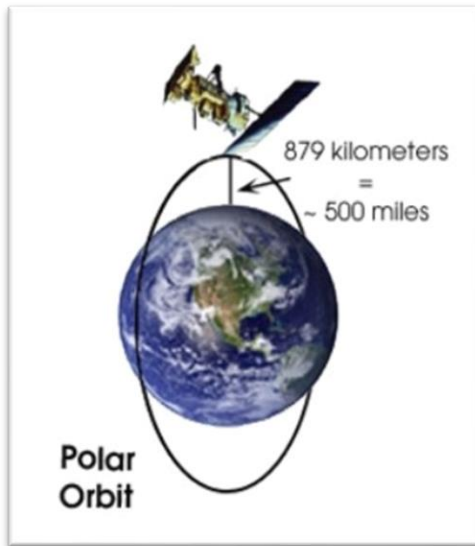
The Master Physicist Himself

Point #3 The Coriolis Effect



Point #4 Polar Flights and Satellites Vertically circumnavigating the Globe, Polar Excursions and Flight Plans encroaching on Antarctic air space.

The National Environmental Satellite, Data, and Information Service currently has two polar-orbiting satellites in service at the printing of this publication in February of 2025. They make this monumental trip around the world from pole to pole 14 times a day and are used to map the globe, weather storm watching and communications applications. They can be tracked and viewed with a backyard telescope on the web page www.orbit.ing-now.com along with many others.



The two satellites currently orbiting are NOAA_!5 & Suomi NPP should you desire To research further.

Despite Flat Earther claims to the contrary, you can book excursions year-round to the South Pole and Circumnavigate Antarctica at your leisure. There is no travel ban there.

\$2,000 Credit **33% Solo Savings**



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Antarctica, South Georgia, and the Falklands

Duration 22 Days
Dates Feb, Oct, Nov

Starting from ~~Was \$28,304~~
\$26,304
per person

\$1,000 Credit **33% Solo Savings**



ANTARCTICA
Voyage to Antarctica

Duration 12 Days
Dates Jan, Feb, Nov, Dec

Starting from ~~Was \$16,980~~
\$15,980
per person

\$500 Credit **Up to 33% Solo Savings**



ANTARCTICA
Antarctica Direct: Fly the Drake Passage

Duration 8 Days
Dates Jan, Feb, Nov, Dec

Starting from **\$11,444**
per person

There are four full time commercially run ice-ships operating in Antarctica today, plus hundreds of private charter companies offering flights with camp-sites today.



National Geographic Explorer

GUESTS	CABINS	DECKS
148	81	6

An authentic expedition ship, purpose-engineered for blue water and polar exploration



National Geographic Endurance

GUESTS	CABINS	DECKS
138	76	6

The most advanced ice-class expedition ship afloat, offering unprecedented access to polar regions.



National Geographic Resolution

GUESTS	CABINS	DECKS
138	76	6

The second of two new polar builds, the *National Geographic Resolution* is named to honor the second voyage of the legendary Captain James Cook.



National Geographic Orion

GUESTS	CABINS	DECKS
102	53	6

An authentic expedition ship, purpose-built for exploring the South Pacific, Asia, the Mediterranean, and beyond.

The flat-earth crowd often claims that if the earth is a globe, why don't commercial airlines take the quicker route skirting the Antarctic coastlines? They do. Qantas flight QFA63, and several flights by LATAM Airlines. It is true that Airlines banned twin-engine aircraft from an arctic route for a few years, but that ended in 2015 as technology developed.

North Pole Rt.'s



South Pole Rt.'s

