

Let's Get Down to Basics

**Who were the
significant
figures in the
history of
astronomy?**



I am Claudius Ptolemy

I was Born: 85 CE;
Hermiou, Egypt.

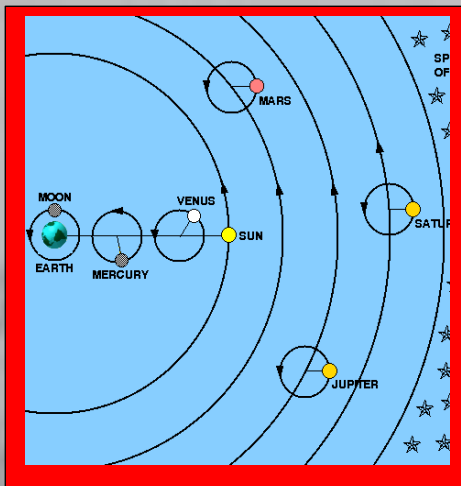
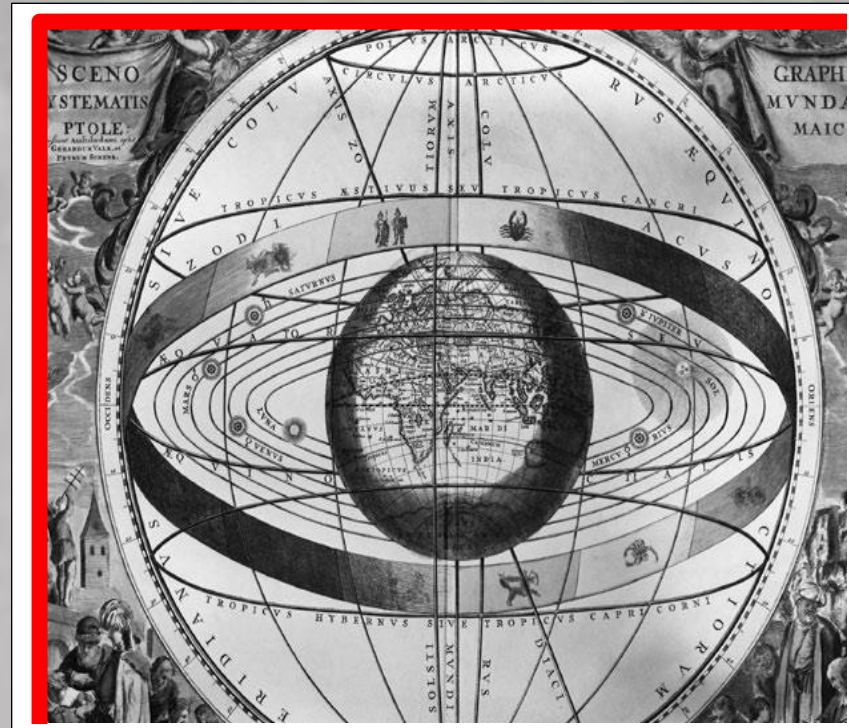
Died: 165 CE;
Alexandria

My work helped
astronomers make
accurate
predictions of the
planetary positions
as well as solar and
lunar eclipses

I was a mathematician,
geographer and
astrologer

A GEOCENTRIC VIEW

Ptolemy thought like Aristotle that the earth was the centre of the universe and the stars and planets orbit us.



His work was accepted until Copernicus in 1543

I do not agree with Ptolemy's view. The SUN is at the centre of the universe. This launched modern astronomy!

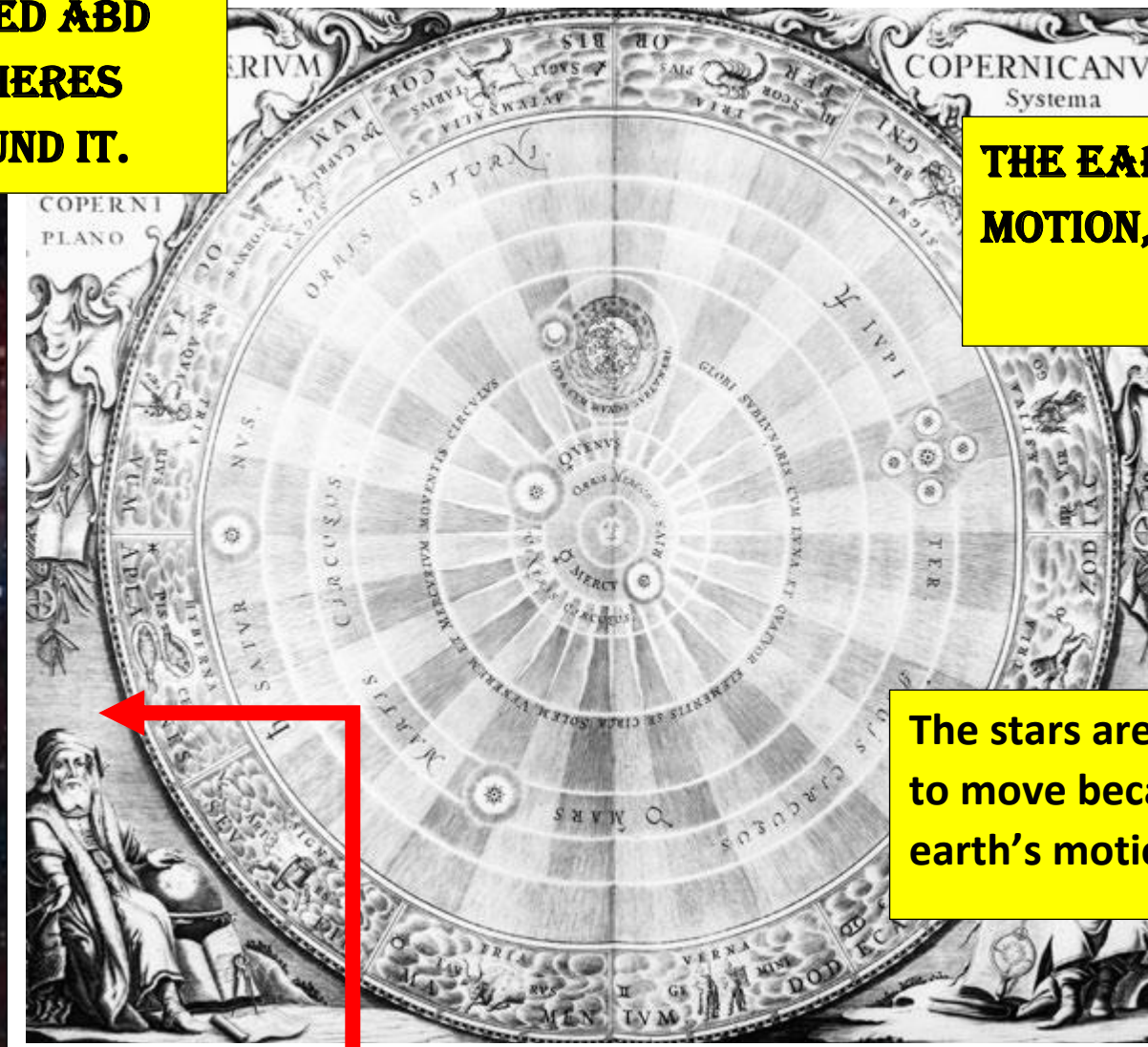
I WAS BORN IN 1473
IN POLAND
I DIED IN 1543 IN
POLAND



A HELIOCENTRIC view

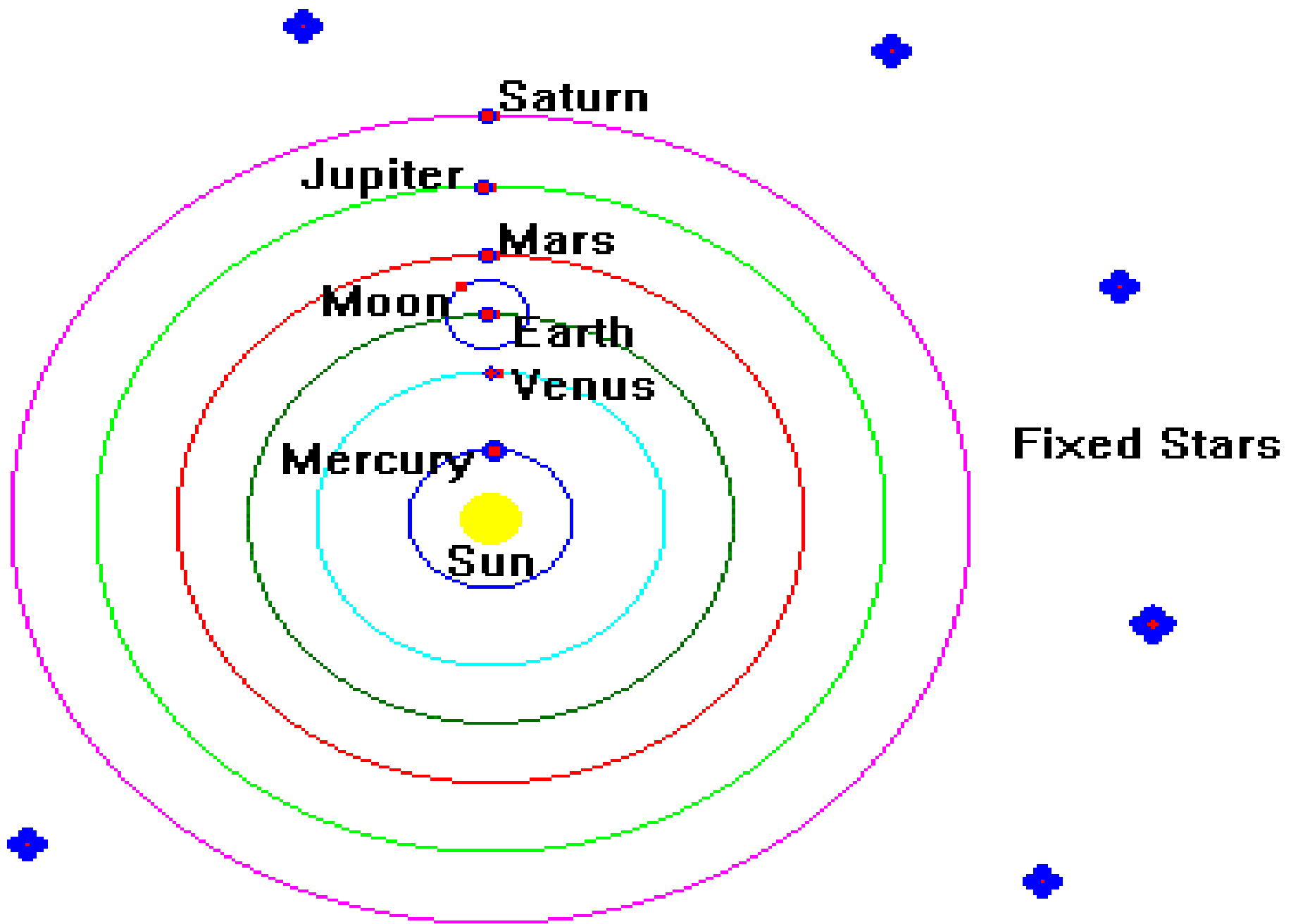
**THE SUN IS FIXED AND
THE OTHER SPHERES
REVOLVE AROUND IT.**

**THE EARTH HAS MORE THAN ONE
MOTION, TURNING ON ITS AXIS**



**The stars are fixed but appear
to move because of the
earth's motion**

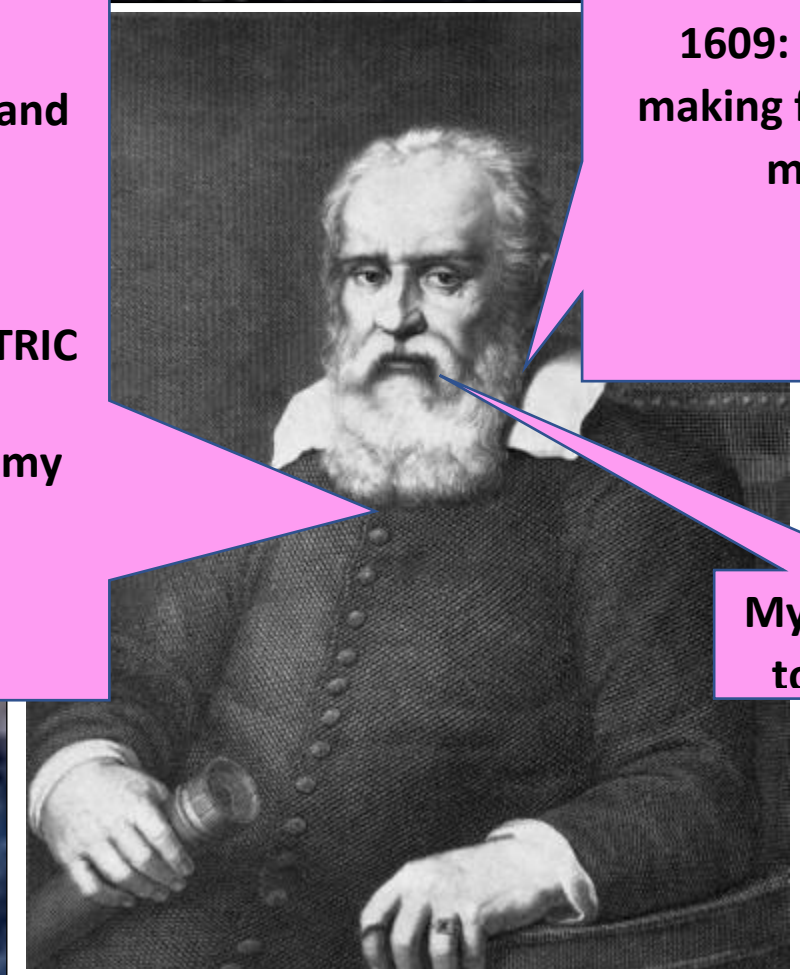
The Copernicus model



THE
COPERNICAN
UNIVERSE


**I am Galileo Galilei
Born 1564 in Pisa, Italy and
died 164 in Florence**

**I support the HELIOCENTRIC
view and wrote that in my
book**



**1609: I heard about a lense for
making far objects seem closer so I
made one 3x stronger**

**My book was said
to be heretical.**



**I was not allowed to be
buried in the main part of
the church**

**It took 200 years for the
Roman Catholic Church to
remove my book from the
prohibited list**

Try this activity- How are the 3 astronomers the same and how are they different? (Compare and Contrast)

