

«Les temps moderne », la «Renaissance»

The story of Astronomy- Renaissance

Scene: A Great Breakthrough

Characters:

Galileo

Viviani

Copernicus

Kepler

P1: *Priest 1*

P2: *Priest 2*

Students:

Clément Rangama

Aurore Polgan

Floriane Touati

Arnaud Techer

Alex Mougnet

Vivienne Furia



Galileo

gets inside, walking, more and more impassioned

Copernic ... Heliocentrism... Mars.... Venus ...It works !

I'm now really convinced, Copernic was right !What an exciting discovery ! There are stars

everywhere in the space, so many to be studied at the same time ...

My notebook ! Let's write everything ! I need to see Viviani all of these informations should be written in my biography !

Viviani !

Viviani

gets inside, worried

Galileo, The Church is here, are you sure you want to speak about it now ?!

Galileo

Of course, they will see how brilliant I am, with all the things that I discovered today !

Priests come in

Viviani gets out, afraid

P1: Shame on you, (**P2:** Shame on YOU !!) for your beliefs, the one you must follow is our God, the one and unique God of the Church, Bible said...

Galileo

raises his arms to the sky

Bible, Bible, Bible always Bible!

Can't you see I am right !

My observations on Venus help me to prove it, all its phases exactly match the motion of the planet around the Sun ! Our galaxy is based on heliocentrism, planets orbited the Sun, Copernicus was right !

P2

(aside)

Pagan !

Copernicus

getting inside

Of course, I am right !

P2

(aside)

Oh, two pagans

Copernicus

I, I proved the first, that geocentrism system was wrong ! Thanks to mathematical demonstrations presented in «De Revolutionibus» (very scholar)

I write the main reasons behind my own assumption about the heliocentric system !

First, we can see that the celestial circle or spheres don't have a common centre.

Moreover, the centre of The Earth is not the centre of universe but only the centre of gravity and of the lunar orbit.

All the spheres revolve around the Sun so the centre of the world is near the Sun !

I worked on and I think that the Sun must be larger than the Earth and others planets !

And moreover, I conclude that: *(suspense)*

The motions of the Sun are not its own motions, they are the motions of the Earth and our sphere with which we revolve around the Sun just as any planets does. *(turn)*

So, the Sun is stationary.

The Sun is the centre of Universe!

Kepler

coming in

I fully support Copernicus.

P2

(aside)

Ah ! Three pagans !!!!

Kepler

I, Kepler, I think there are so many benefits to heliocentrism in relation to mathematics, but I also found evidences of this theory. I created one of the most important sciences in physics: astrophysics, and I, as a scientist seeks to answer three questions:

What is the number of planets?

Their distance from the sun?

And what is the speed of each planets?

I discovered that the Earth revolves on itself, yes it is confirmed that this hypothesis, it has indeed seen the Earth changed quarters as Earthlings see the moon phases.

P2

Heretical assumptions !!

P1

Mr. Kepler, so you think that the infinite does not exist from what I heard?

You think our world stops to our solar system?

P2

irritated

Heretic! Sacrilegious!

P1

And you think that the position of the planets affect our lives?

For a scientist you have a much closed our world vision ...

Kepler

I think that ...

P2

angry
Liars !!!

P1

And you think also that the Sun is the centre of Universe ?

P2

impassioned/fanatic
Dissenter ! Abominable !

Copernicus, Kepler, Galileo
(together)

We lived in an heliocentrism system !

P1, P2

completely nut
Vade retro, pagans !

Ptolemy

(slips his head on the scene)

I, Ptolemy, I think that it is a geocentric system ...

Copernicus, Galileo, Kepler:

(together)

Vade retro, pagan !