



Sessão Astronomia



A portrait of Galileo Galilei, an elderly man with a long, full white beard and hair. He is wearing a dark, heavy robe with a white collar. He is holding a telescope in his right hand. The background is dark and textured.

Galileo Galilei

Joseana dos Santos Soares
joseana.soares@usp.br

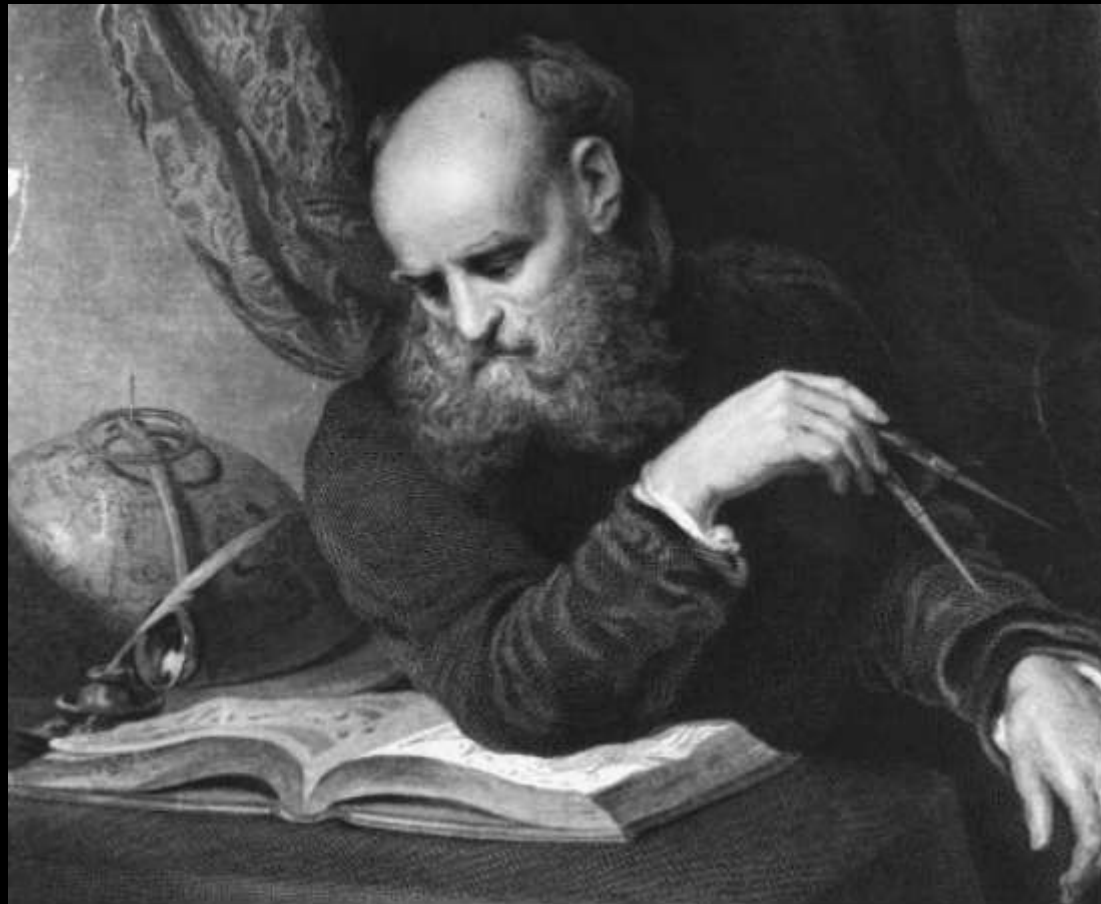
**Nasceu em 15 de Fevereiro
de 1564 na cidade de Pisa**

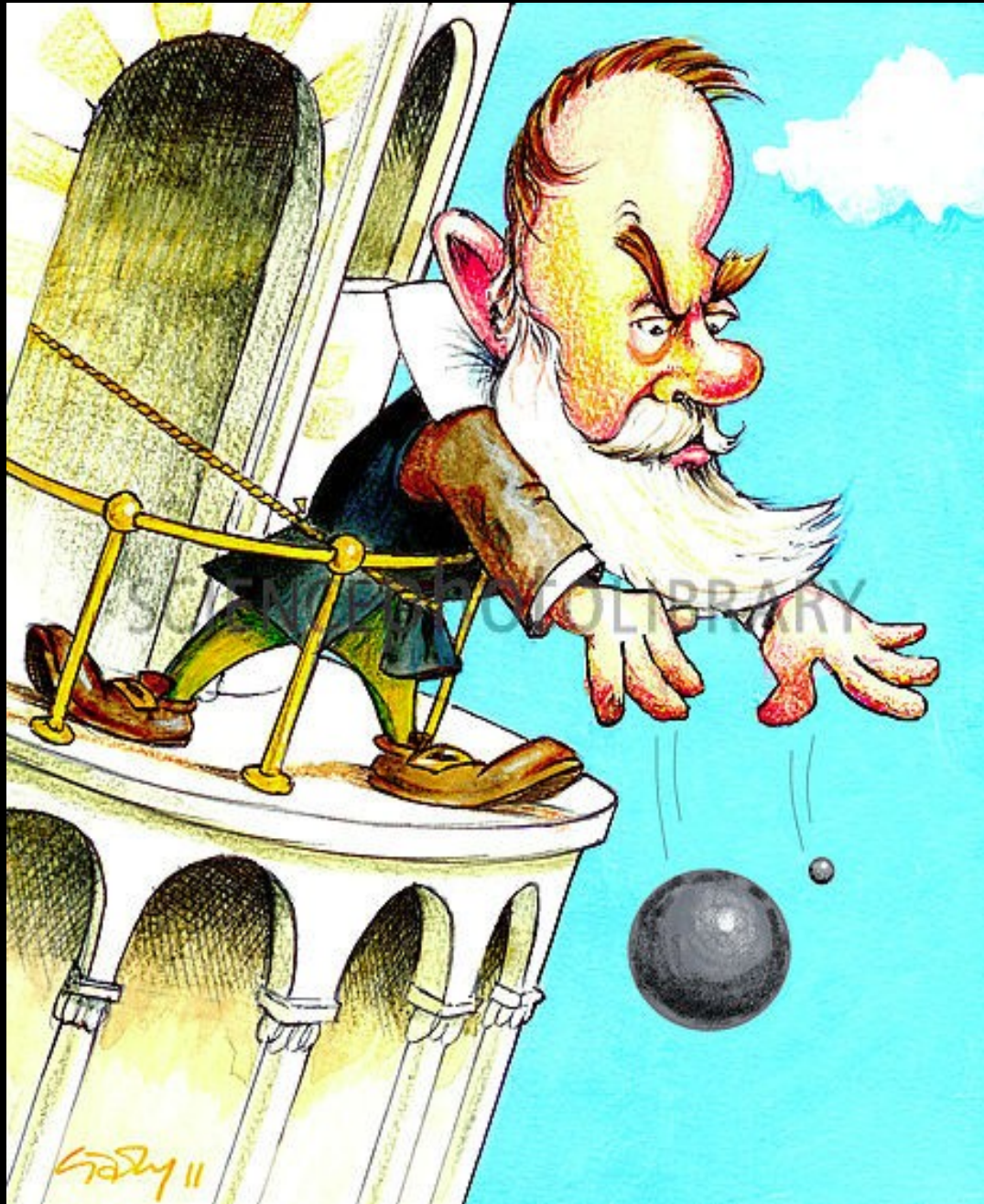
**Começa estudos em
medicina em 1581,
mudando para matemática
no ano seguinte**

**Lecionou nas
Universidades de Pisa e
Pádua**

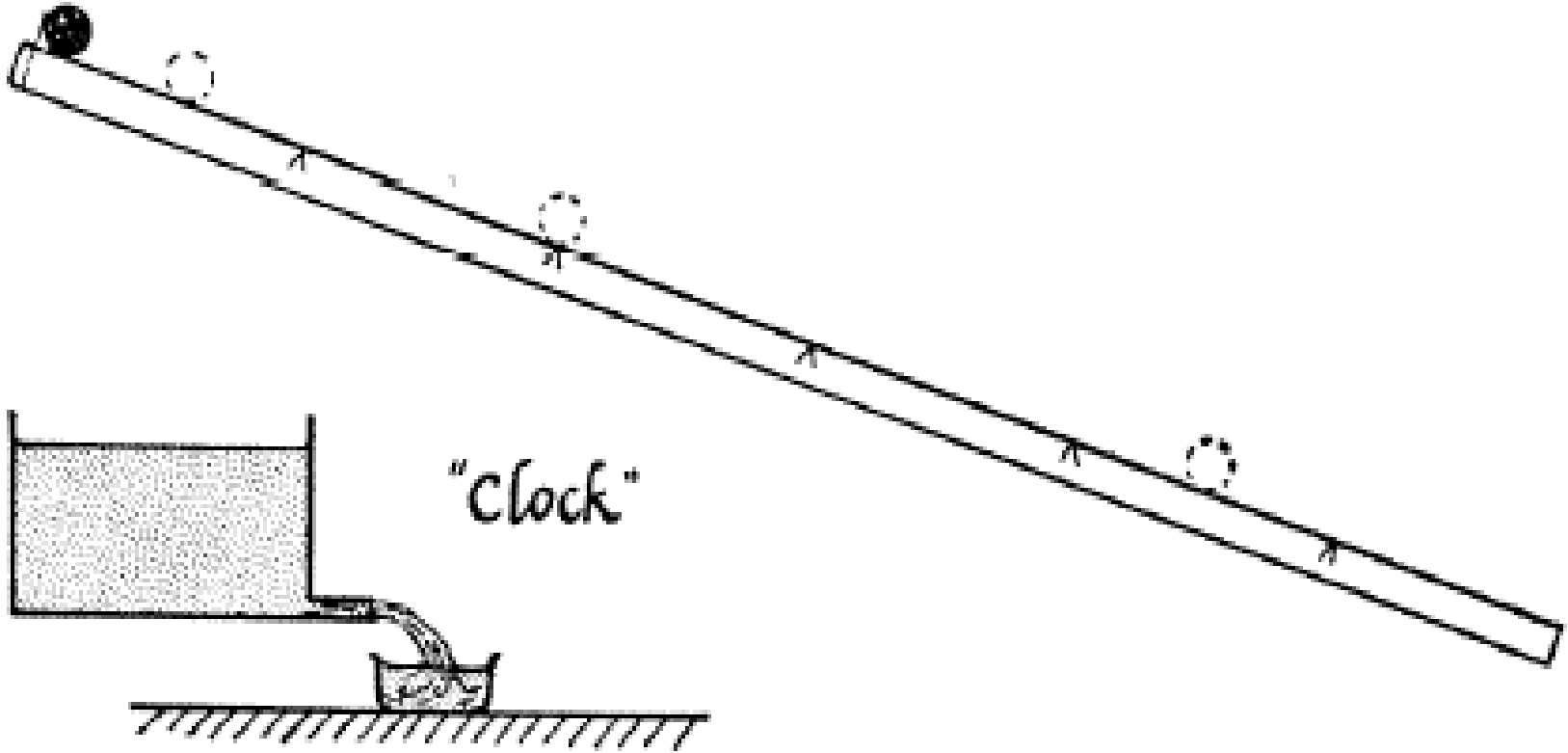


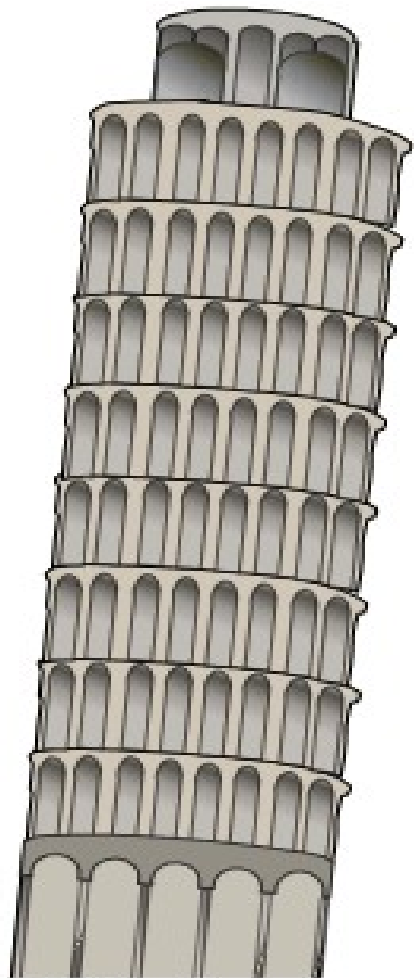
Física e Engenharia



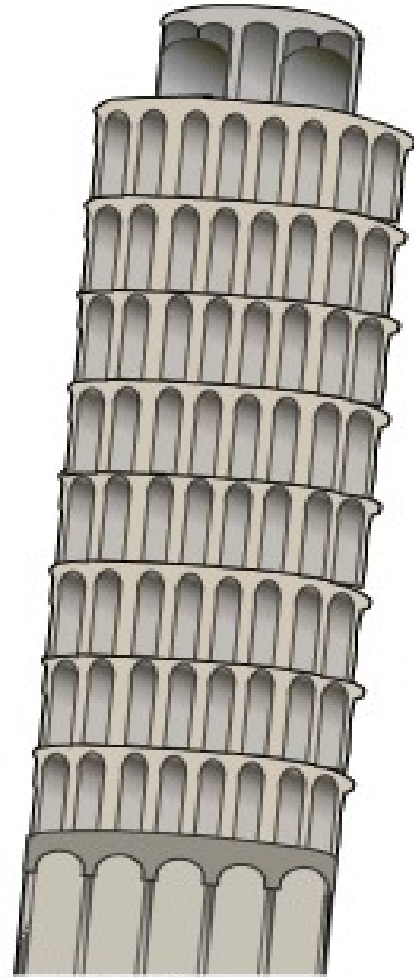








Old idea



Galileo

Experimento de queda livre na Lua:

https://www.youtube.com/watch?v=5C5_dOEyAfk

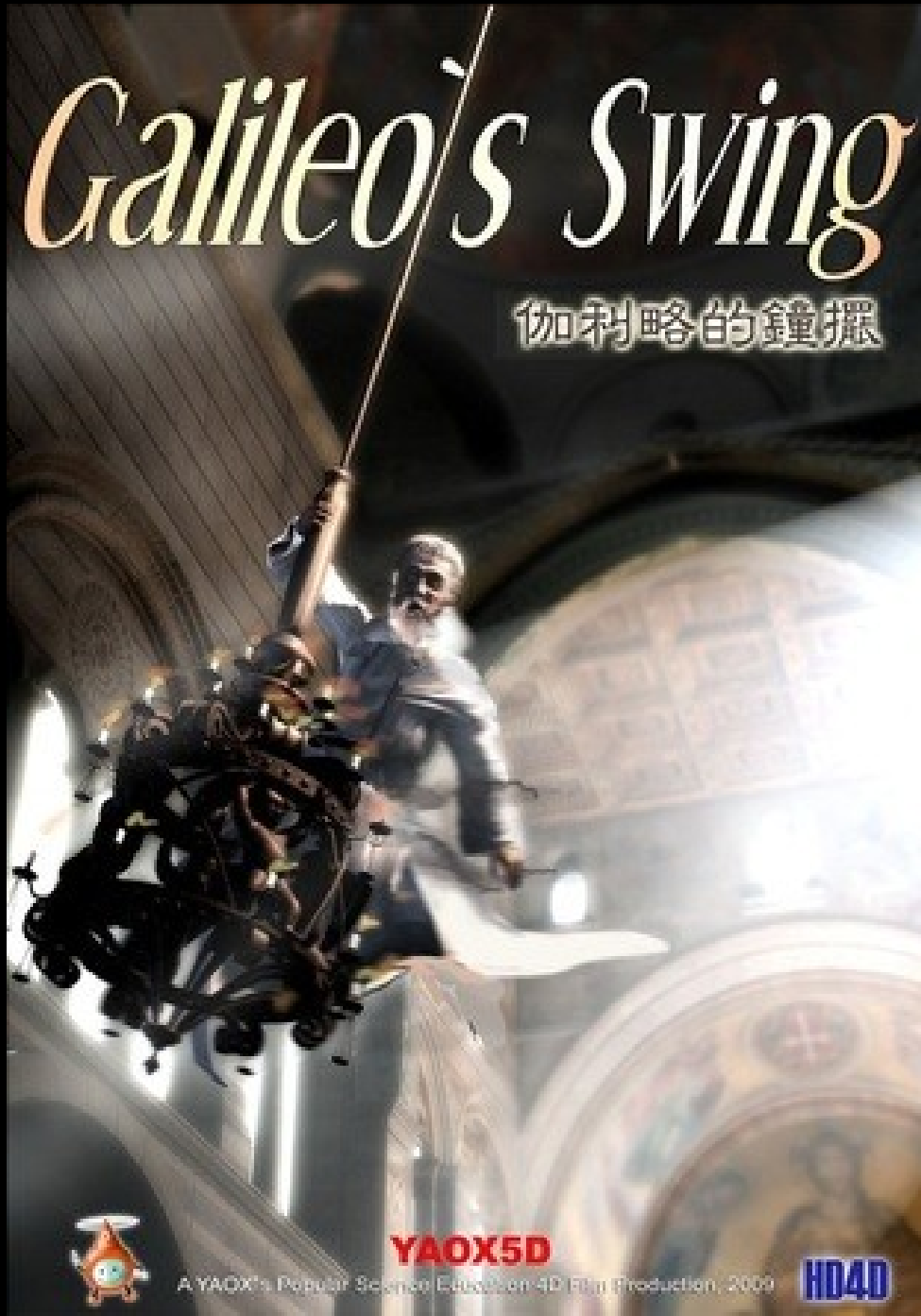
Experimento de queda livre na câmara de vácuo:

<https://www.youtube.com/watch?v=E43-CfukEgs>



Galileo's Swing

伽利略的鐘擺



YAQX5D

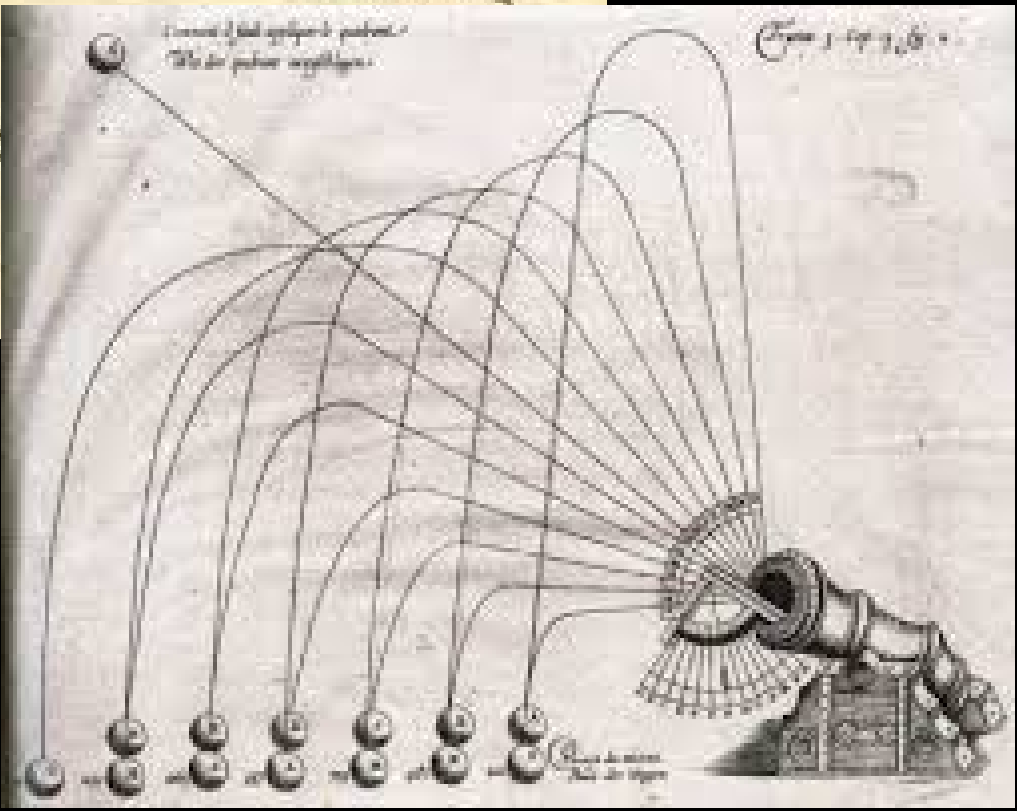
A YAQX's Popular Science Education 4D Film Production, 2009

HD4D

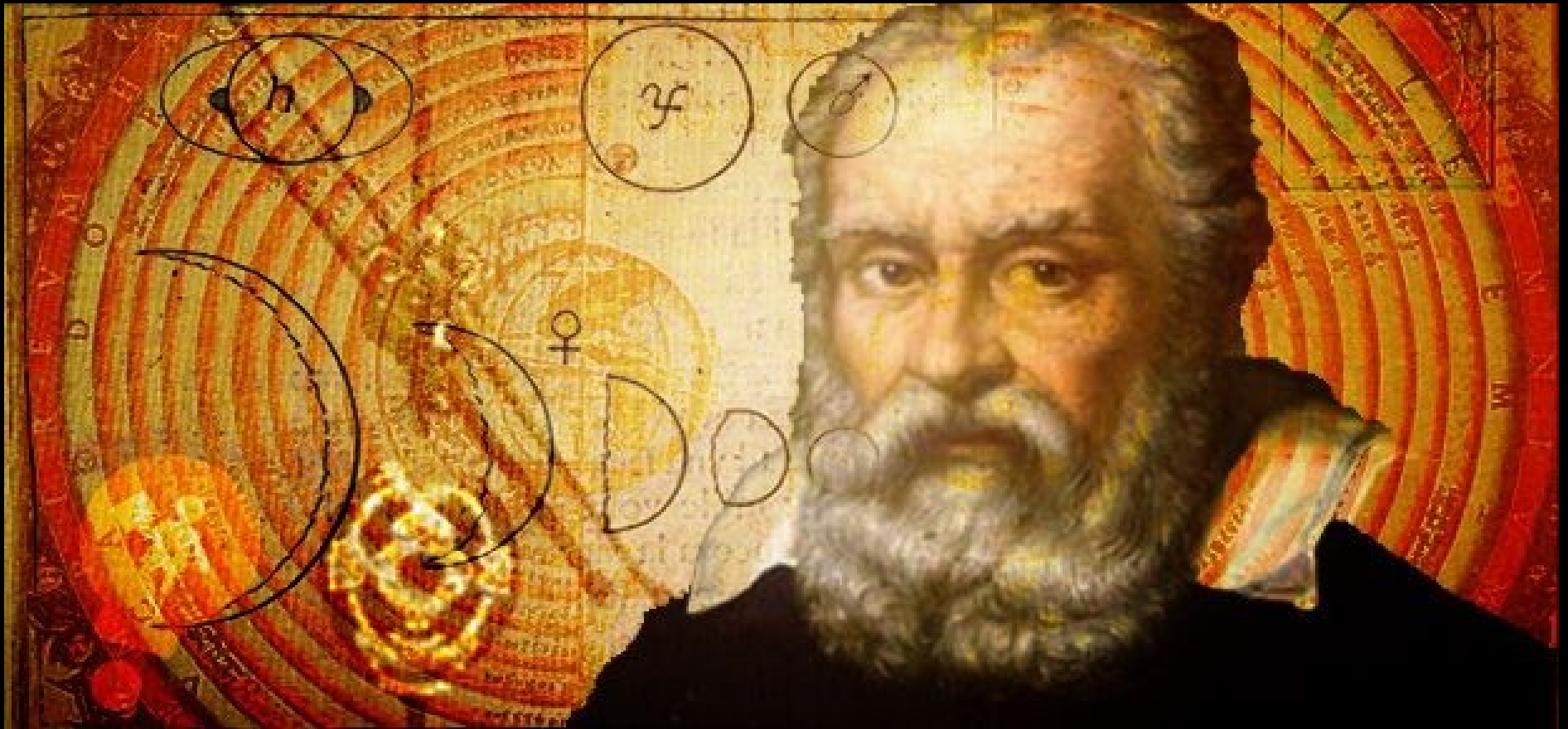
Pêndulos de mesma massa e diferentes comprimentos:

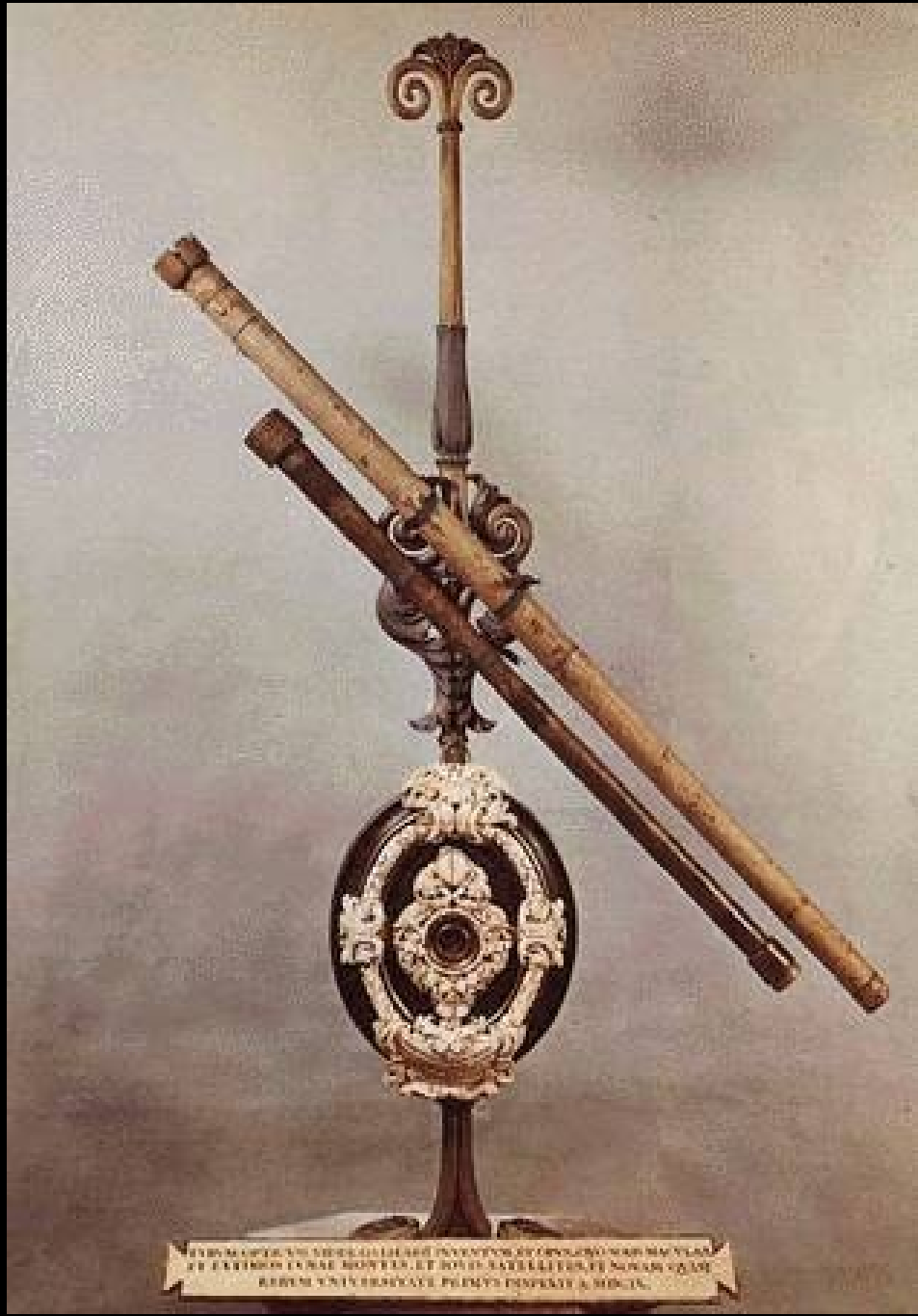
https://www.youtube.com/watch?v=ihj_tMD_vO4

Dialog, explicând
 cele două teorii ale
 Universului
 † 1633 este condam-
 nat de
 Inchișiție.
 † moare la
 Arcetri, arstat
 la Domiceleu.



Astronomia





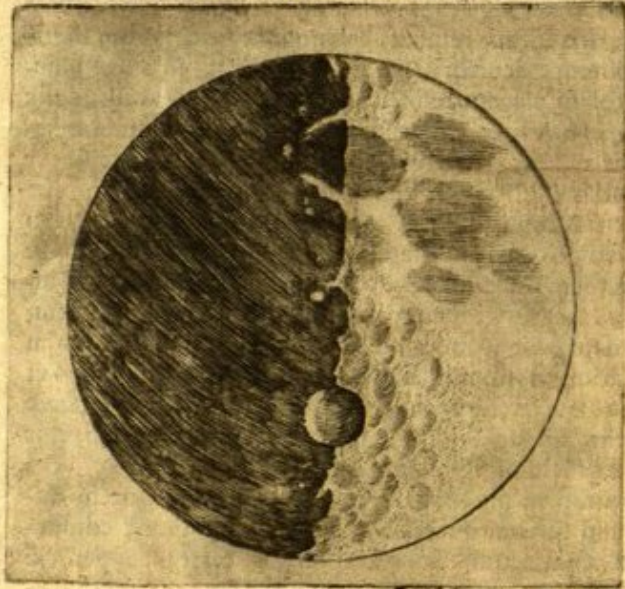
INSTRUMENTUM HOC AUCTORIS INVENTIO ET OPERATIO VARIIS VITIIS
ET EXAMINIBUS HONORATA ET SOCIETATE REGIA LONDINENSIS
ACADEMIAE SCIENTIARUM PRIMI PREMII DONATA.





OBSERVAT. SIDERE AE

etiam daturam. Depressiores insuper in Luna cernuntur magnae maculae, quam clariores plagae; in illa enim tam crescente, quam decrescente semper in lucis tenebrarumque confinio, prominente hinc inde circa ipsas magnas maculas contermini partis lucidioris; veluti in describendis figuris observauimus; neque depressiores tantummodo sunt dictarum macularum termini, sed aequabiliores, nec rugis, aut asperitatibus interrupti. Lucidior vero pars maxime propè maculas eminet; adeò vt, & ante quadraturam primam, & in ipsa ferme secunda circa maculam quandam, superiorem, borealem nempe Lunae plagam occupantem valde attollantur tam supra illam, quam infra ingentes quaedam eminentiae, veluti appositae praesferunt delineationes.



Hæc

RECENS HABITAE

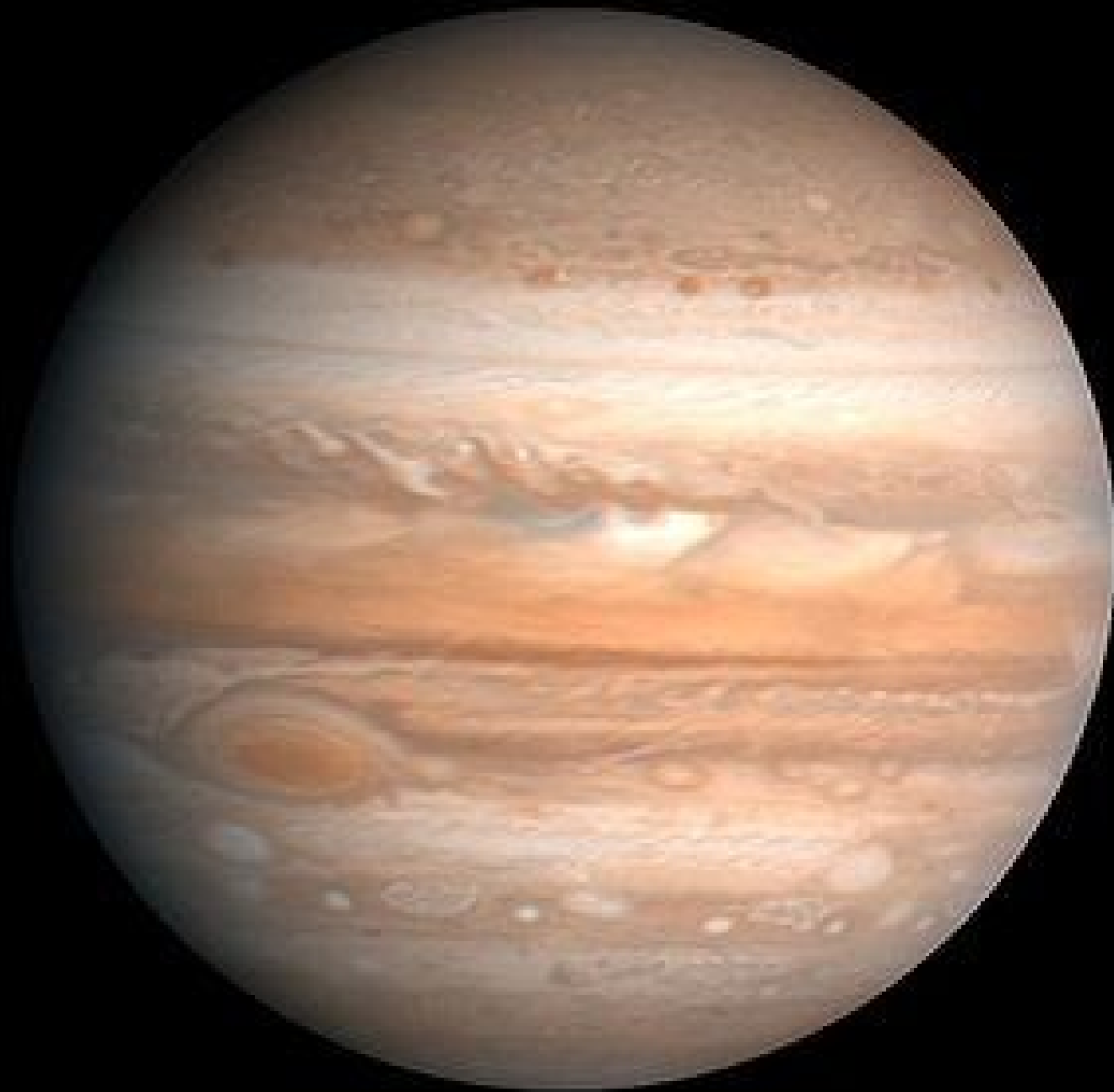


Hæc eadem macula ante secundam quadraturam nigrioribus quibusdam terminis circumuallata conspicitur; qui tanquam altissima montium iuga ex parte Soli auersa obscuriores apparent, quæ verò Solem respiciunt lucidiores extant; cuius oppositum in cavitatibus accidit, quarum pars Soli auersa splendens apparet, obscura verò, ac umbrosa, quæ ex parte Solis sita est. Imminuta deinde luminosa superficie, cum primum tota ferme dicta macula tenebris est obducta, clariora montium dorsa eminenter tenebras scandunt. Hanc duplicem apparentiam sequentes figurae demonstrant.

30
 Adi 7. di Gennaio 1610 Giove si vedeva col Cannone ed
 3. stelle fisse con * * * delle quali se ha il nome
 meno si vedeva. * * * a d. di appariva con * * * era dug



2,8 ciò è d.
 uicina
 N'alba
 te tre
 che
 bli ad
 ella
 utax
 era
 ni era
 mitola
 à Giove
 * * *
 vedibili
 tabili
 amo come
 ro
 ide hait
 no sono
 * * *
 stitij
 era di
 ad fac
 mosta
 e che più
 l'aria



Observations Jesuitas

2. J. Joris.
mand H. 12

○ **

30. mand

** ○ *

2. Xbr.

○ ** *

3. mand

○ * *

3. Ho. 5.

* ○ *

7. mand

* ○ **

6. mand

** ○ *

8. mand H. 13.

* * * ○

10. mand

* * * ○ *

11.

* * ○ *

12. H. 4 uesp.

* ○ *

13. mand

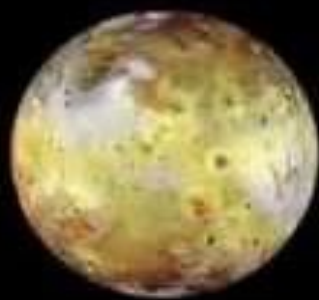
* * ○ *

14. Casu.

* * * ○ *







Io



Europa



Ganymede



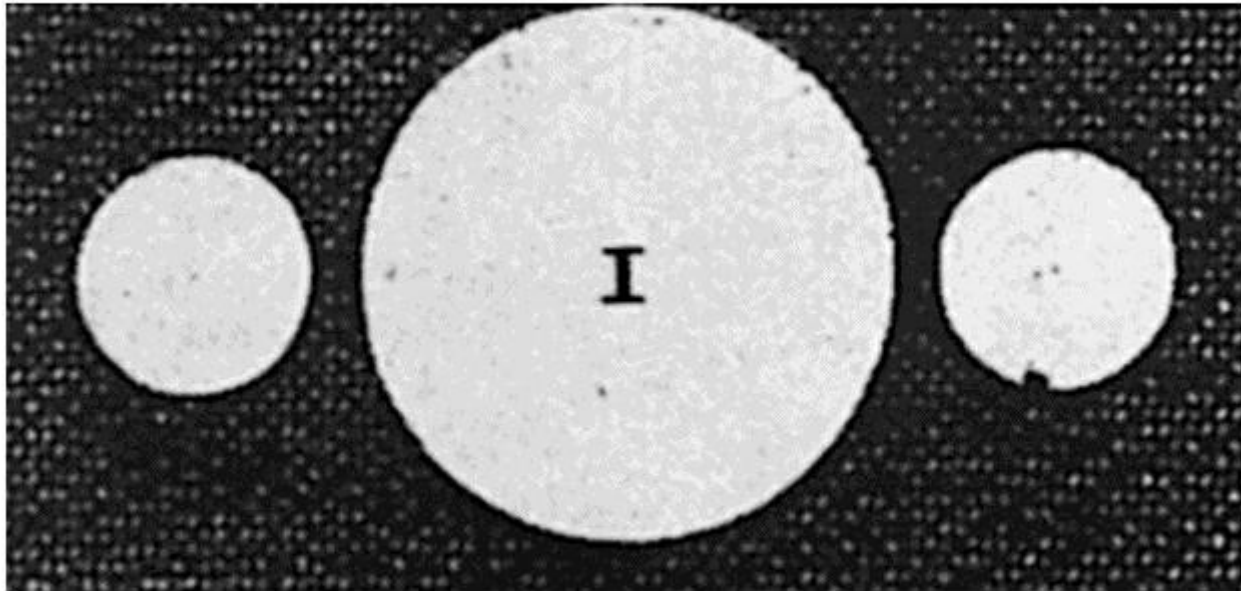
Callisto

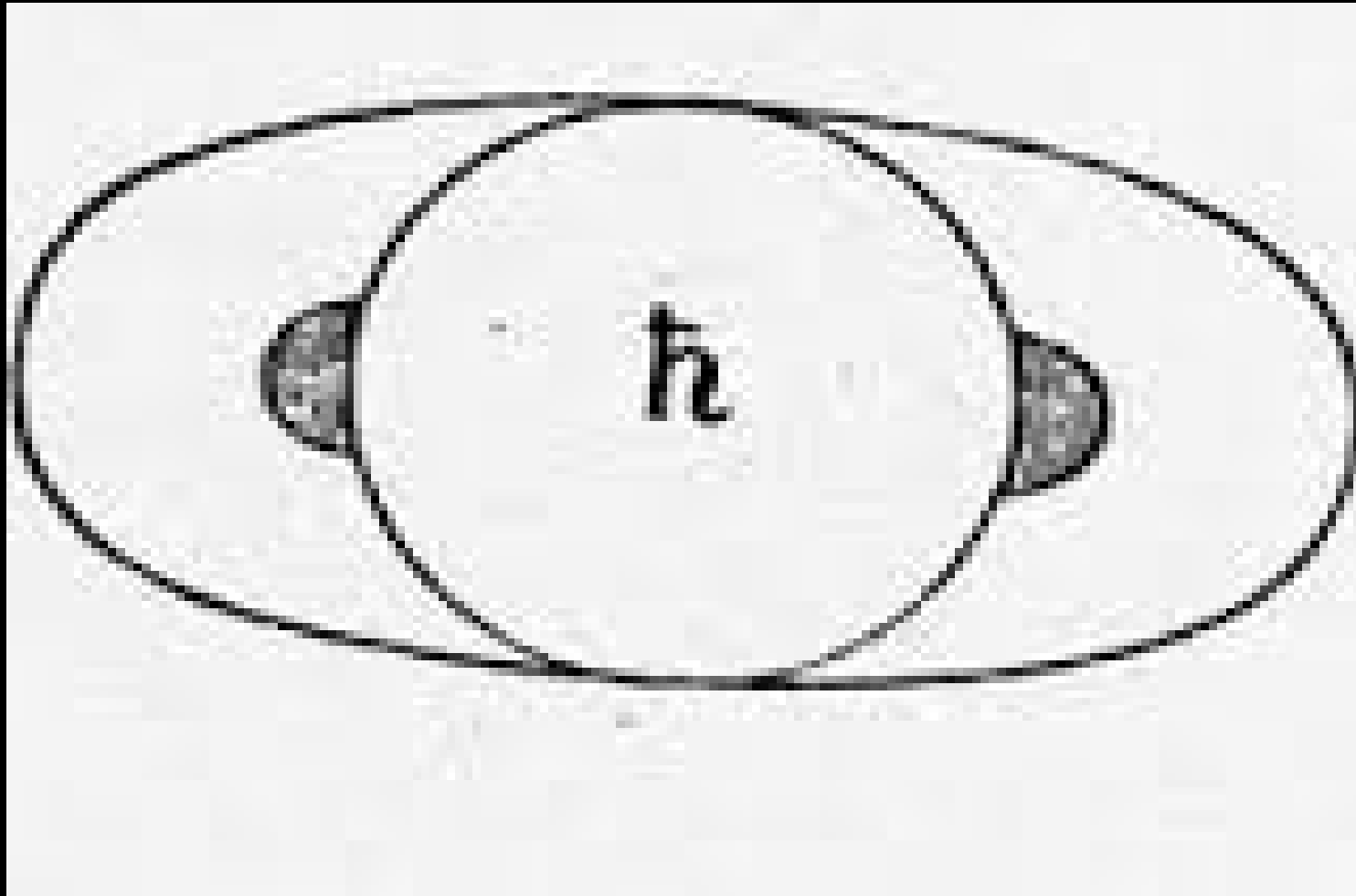


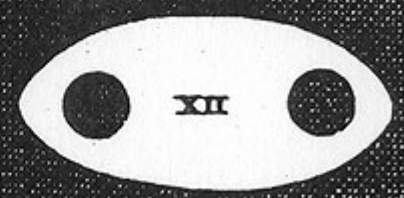
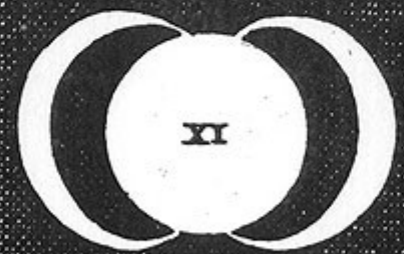
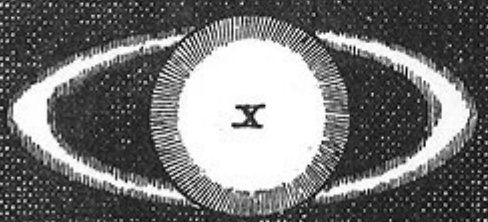
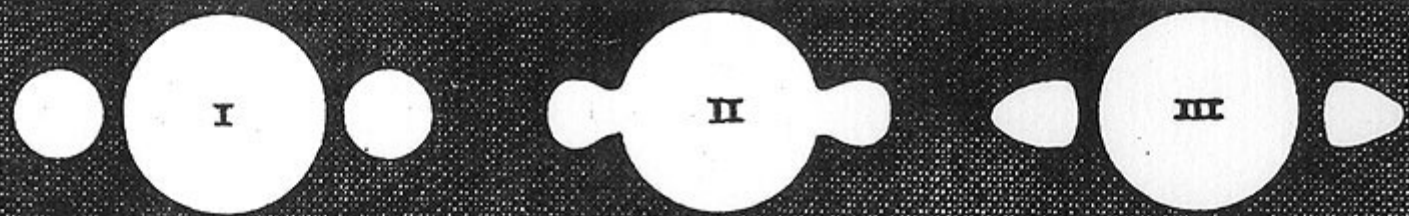
Ancha

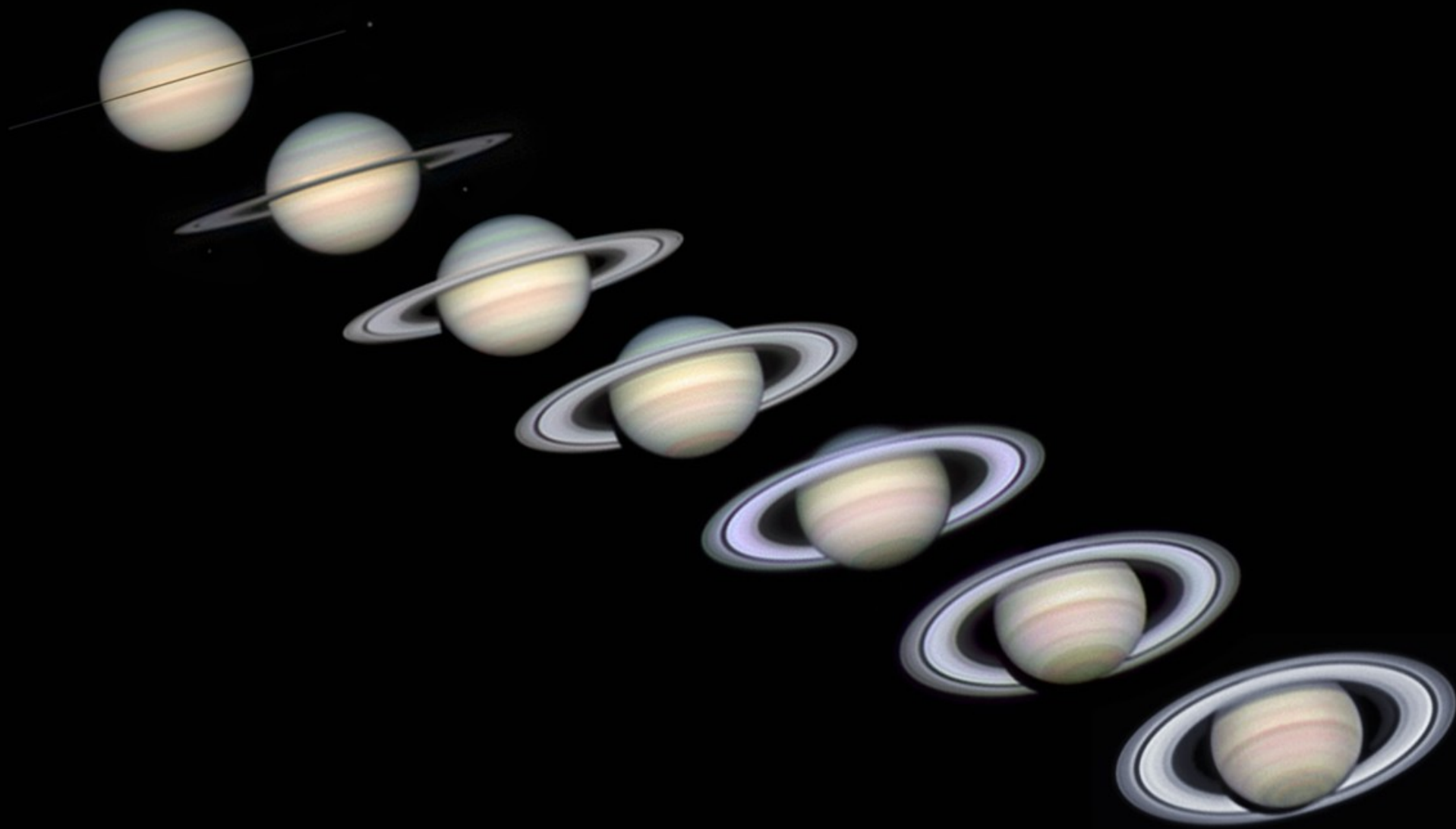
Neptune







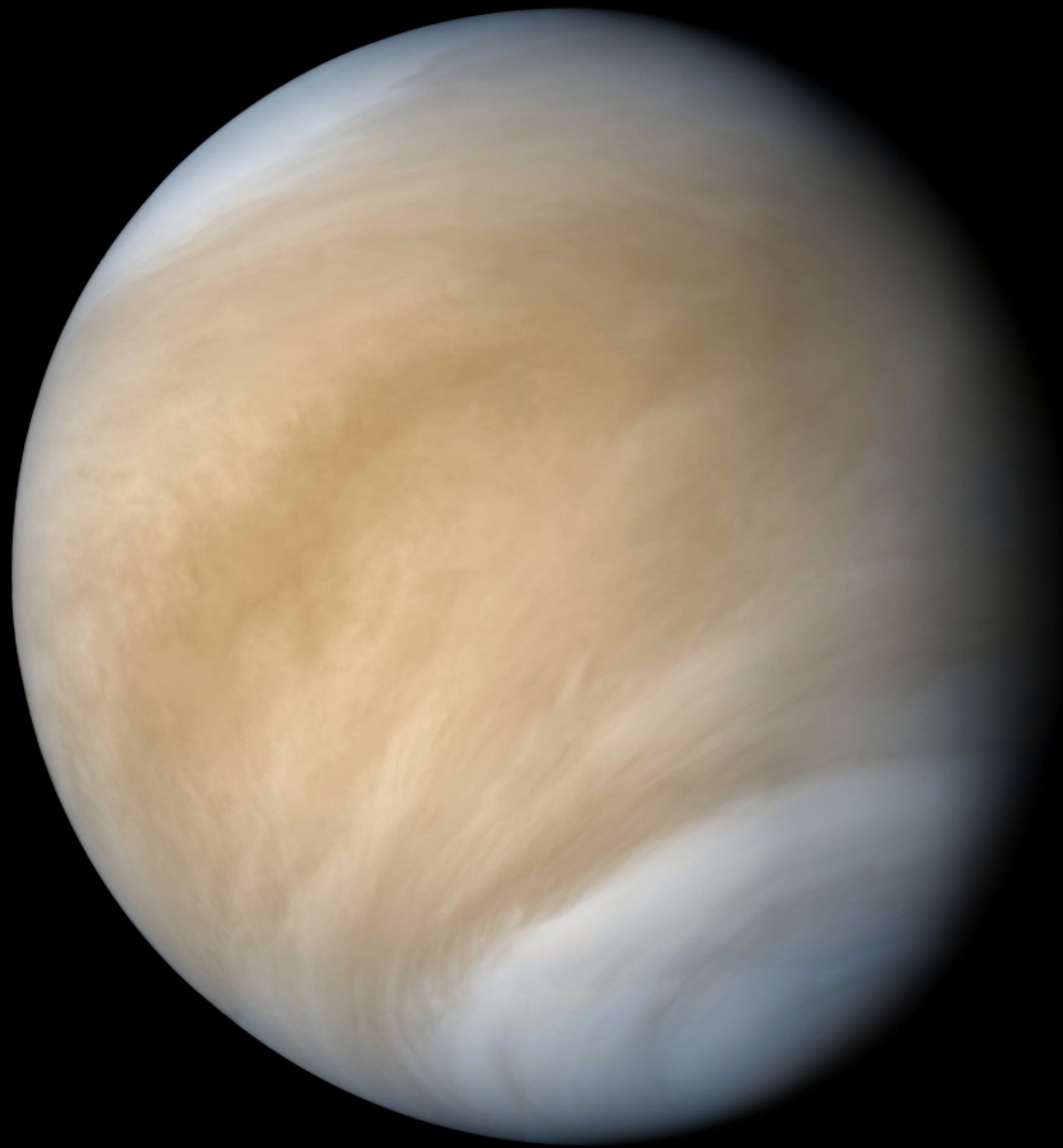


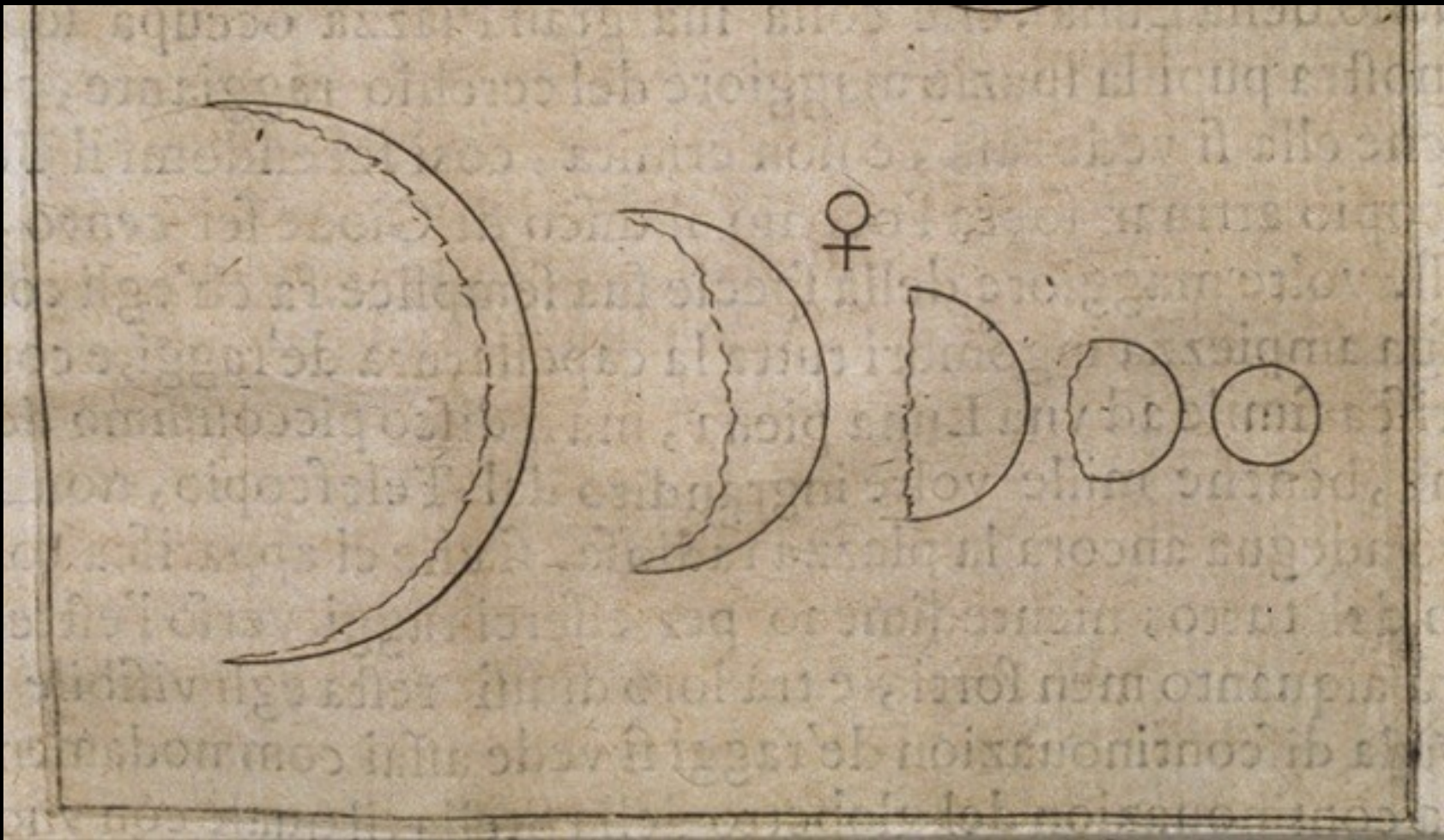


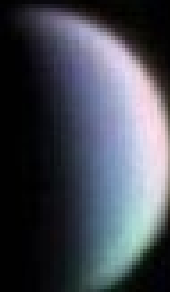


PLEIADVM CONSTELLATIO.

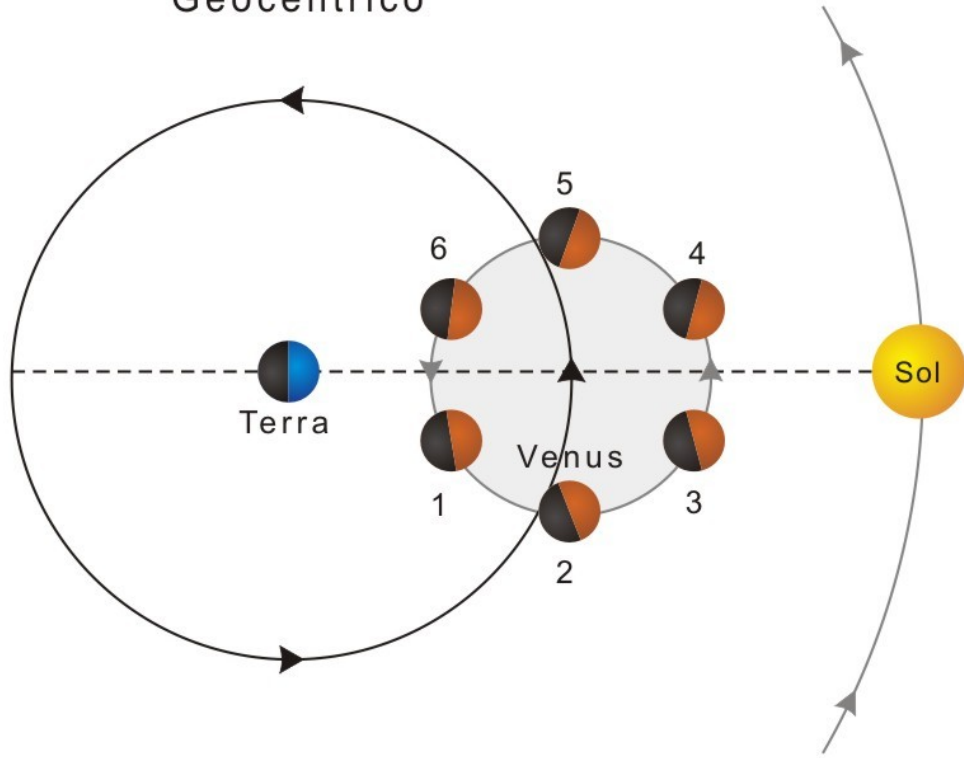




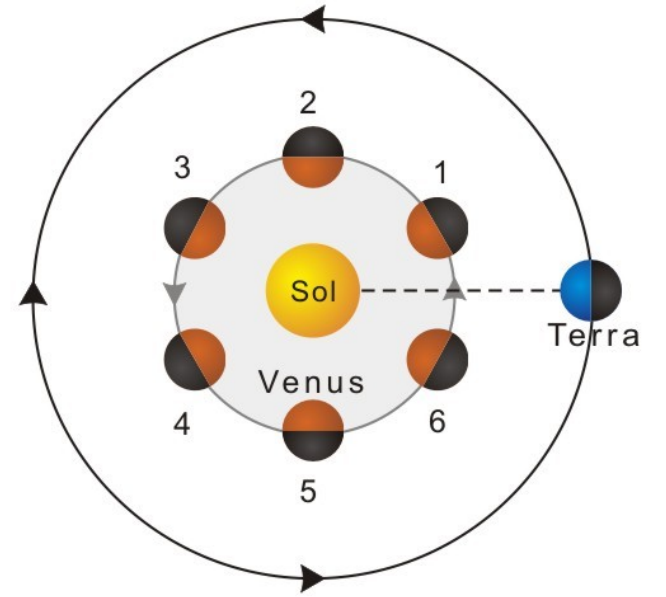


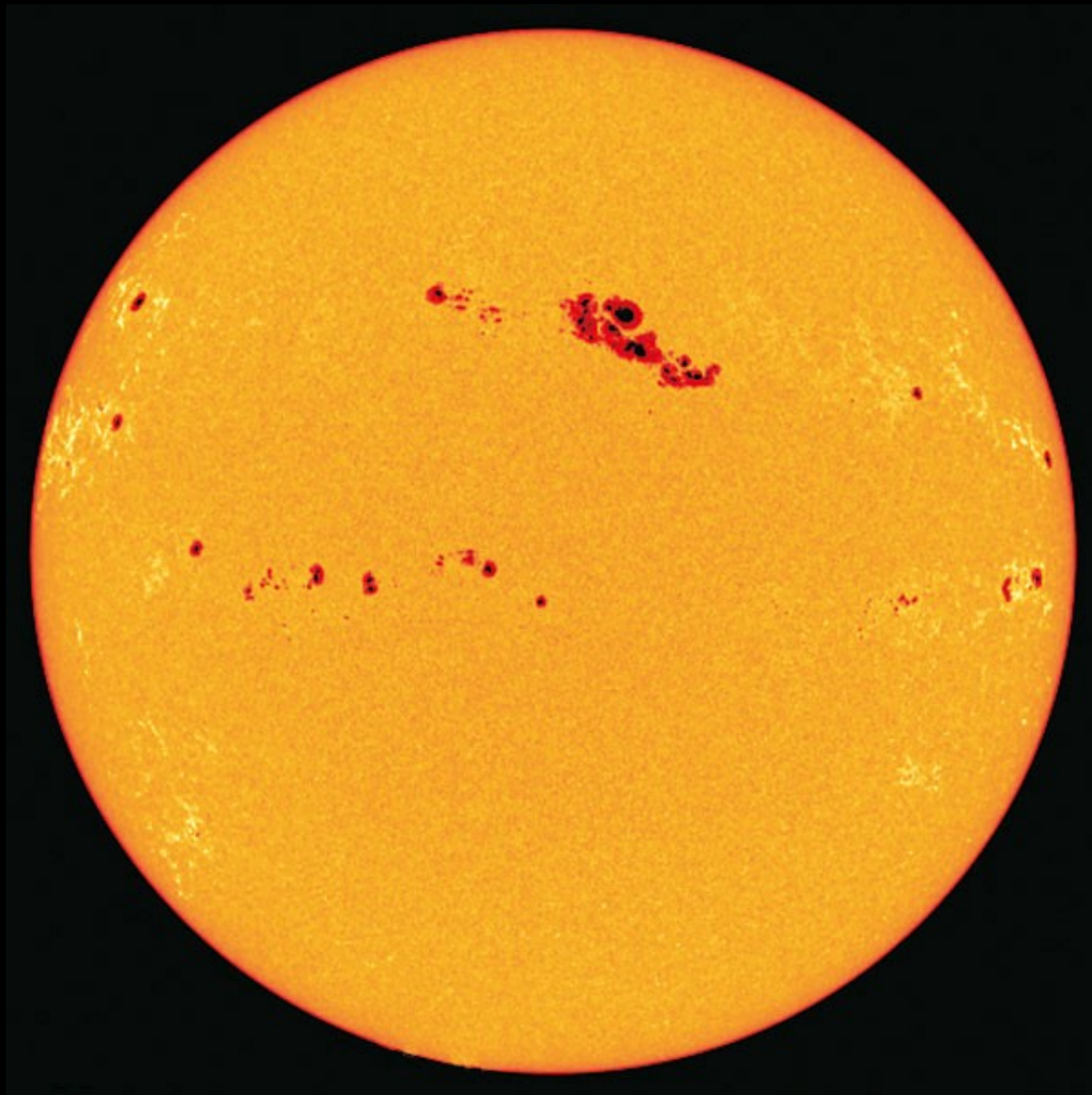


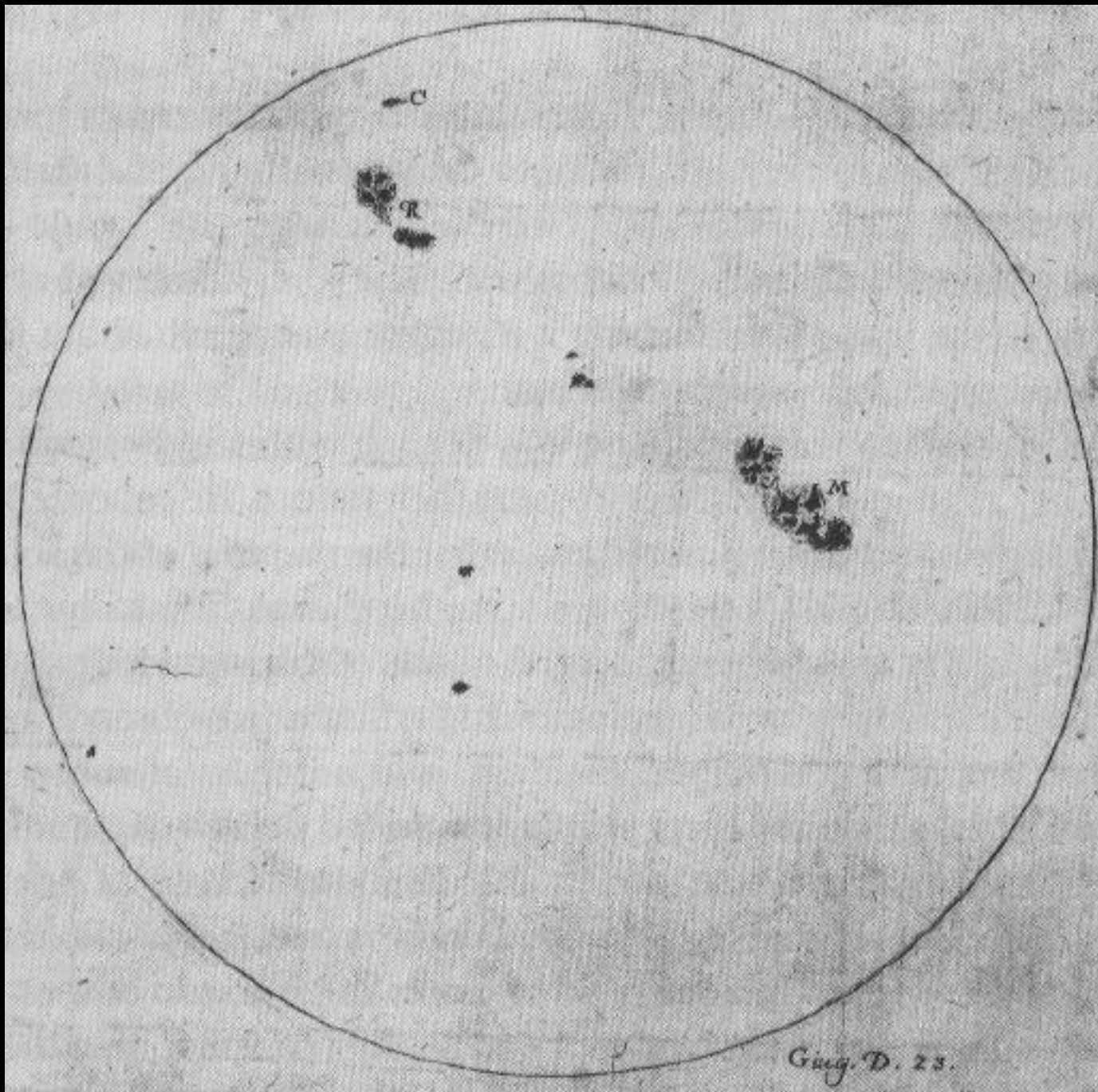
Geocêntrico

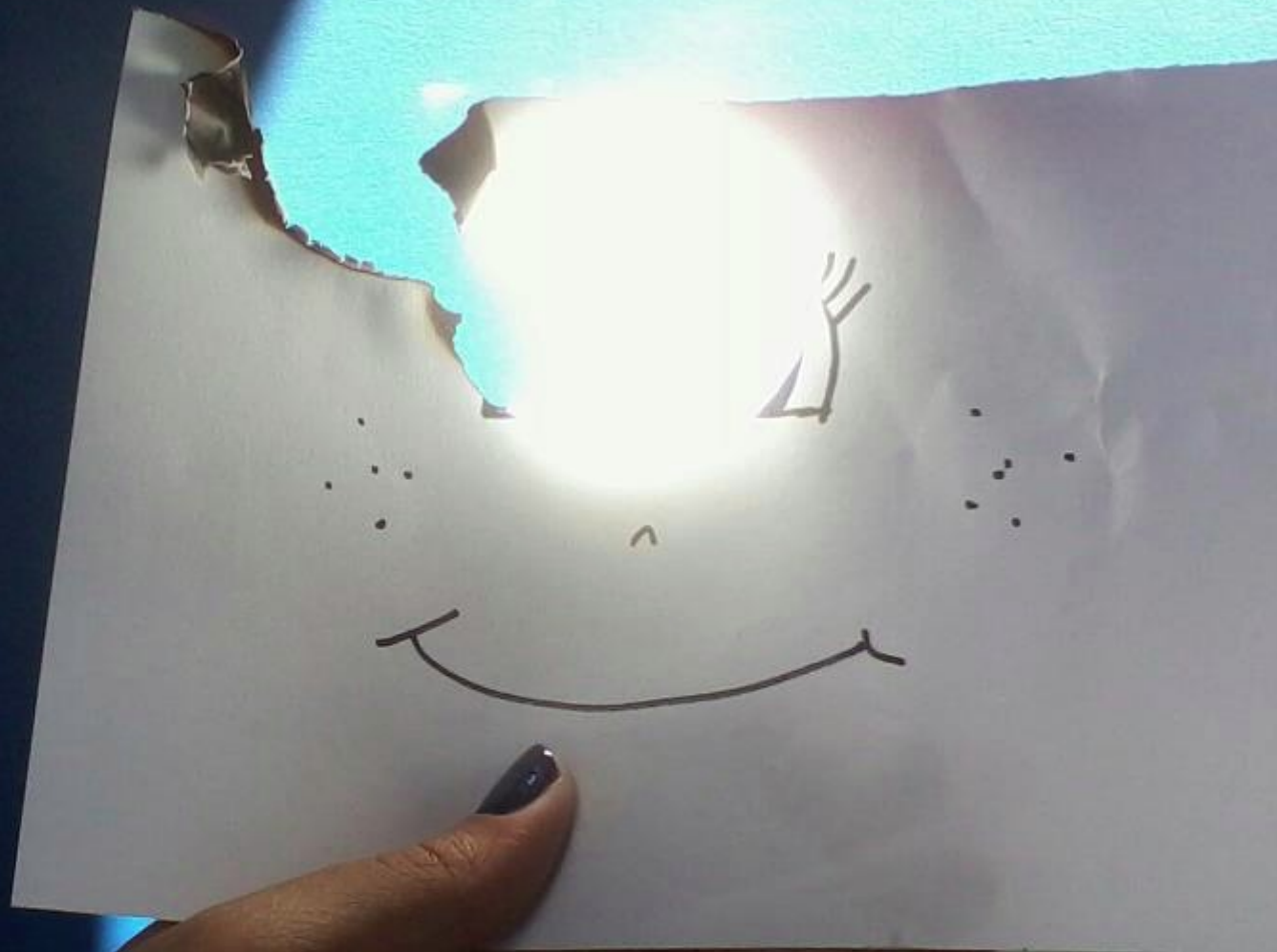


Heliocêntrico











S I D E R E V S
N V N C I V S

MAGNA, LONGEQUE ADMIRABILIA
Spectacula pandens, suspiciendaque proponens
vnicuique, præsertim verò

PHILOSOPHIS, atq; ASTRONOMIS, que à
GALILEO GALILEO
PATRITIO FLORENTINO

Patuini Gymnasij Publico Mathematico

PERSPICILLI

*Nuper à se reperti beneficio sunt observata in VN.ÆFACIE, FIXIS IN-
NUMERIS, LACTEO CIRCVLO, STELLIS NEBVLOSIS,*

Apprime verò in

QVATVOR PLANETIS

Circa IOVIS Stellam disparibus interuallis, atque periodis, celesti-
tate mirabili circumuolutis; quos, nemini in hanc vsque
diem cognitos, nouissimè Author depre-
hendit primus; atque

MEDICEA SIDERA
NVNCVPANDOS DECREVIT.



VENETIIS, Apud Thomam Baglionum. M D C X.

Superiori nro Permissu, & Privilegio.

Mensageiro das Estrelas



DIALOGO
DI
GALILEO GALILEI LINCEO
MATEMATICO SOPRAORDINARIO
DELLO STUDIO DI PISA.
E Filosofo, e Matematico primario del
SERENISSIMO
GR. DVCA DI TOSCANA.

Due ne i congressi di quattro giornate si discorre
sopra i due
MASSIMI SISTEMI DEL MONDO
TOLEMAICO, E COPERNICANO;
*Proponendo indeterminatamente le ragioni Filosofiche, e Naturali
tanto per l'una, quanto per l'altra parte.*



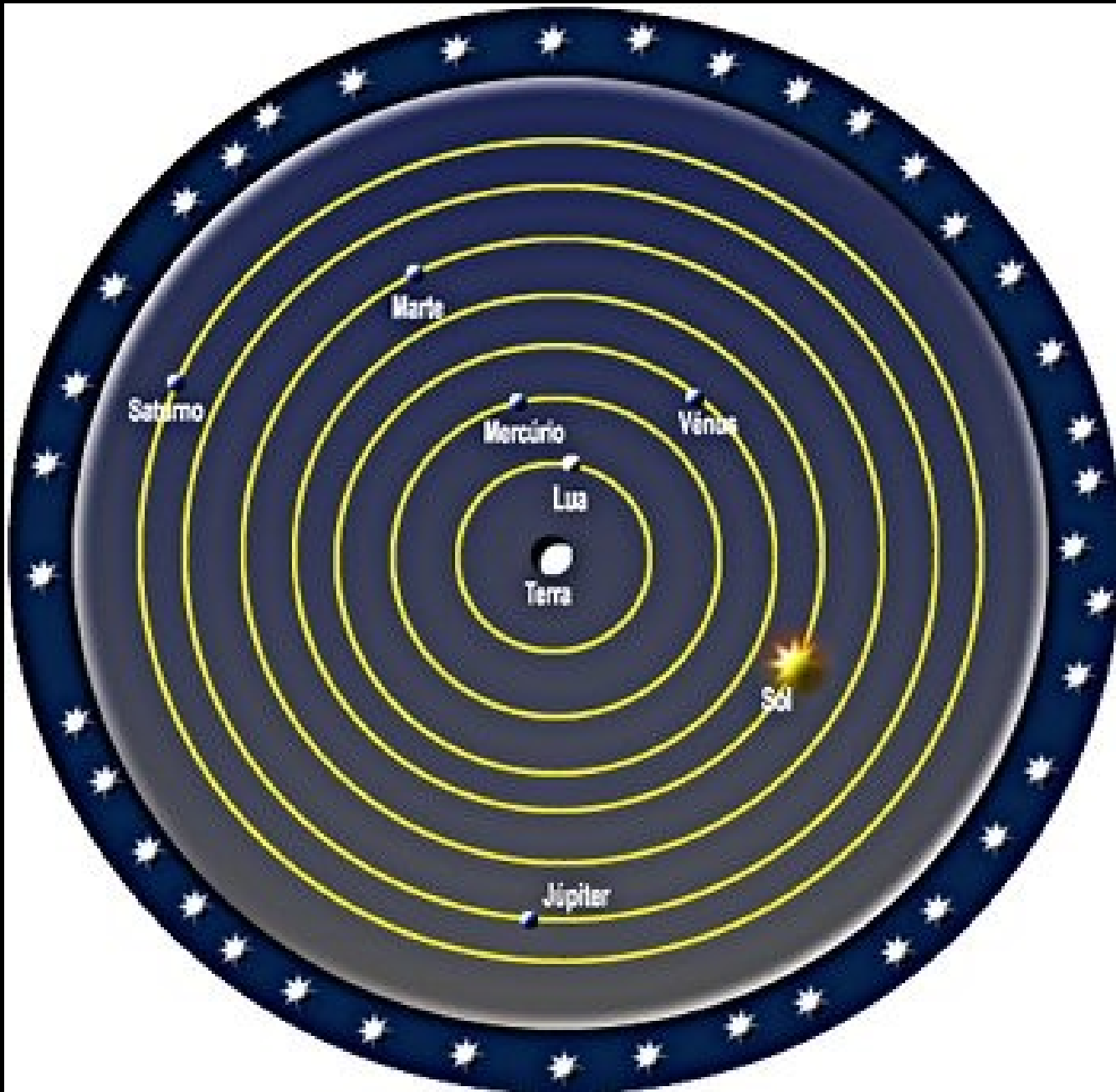
CON PRI
VILEGI.

IN FIRENZA, Per Gio:Batista Landini MDCXXXII.
CON LICENZA DE' SUPERIORI.

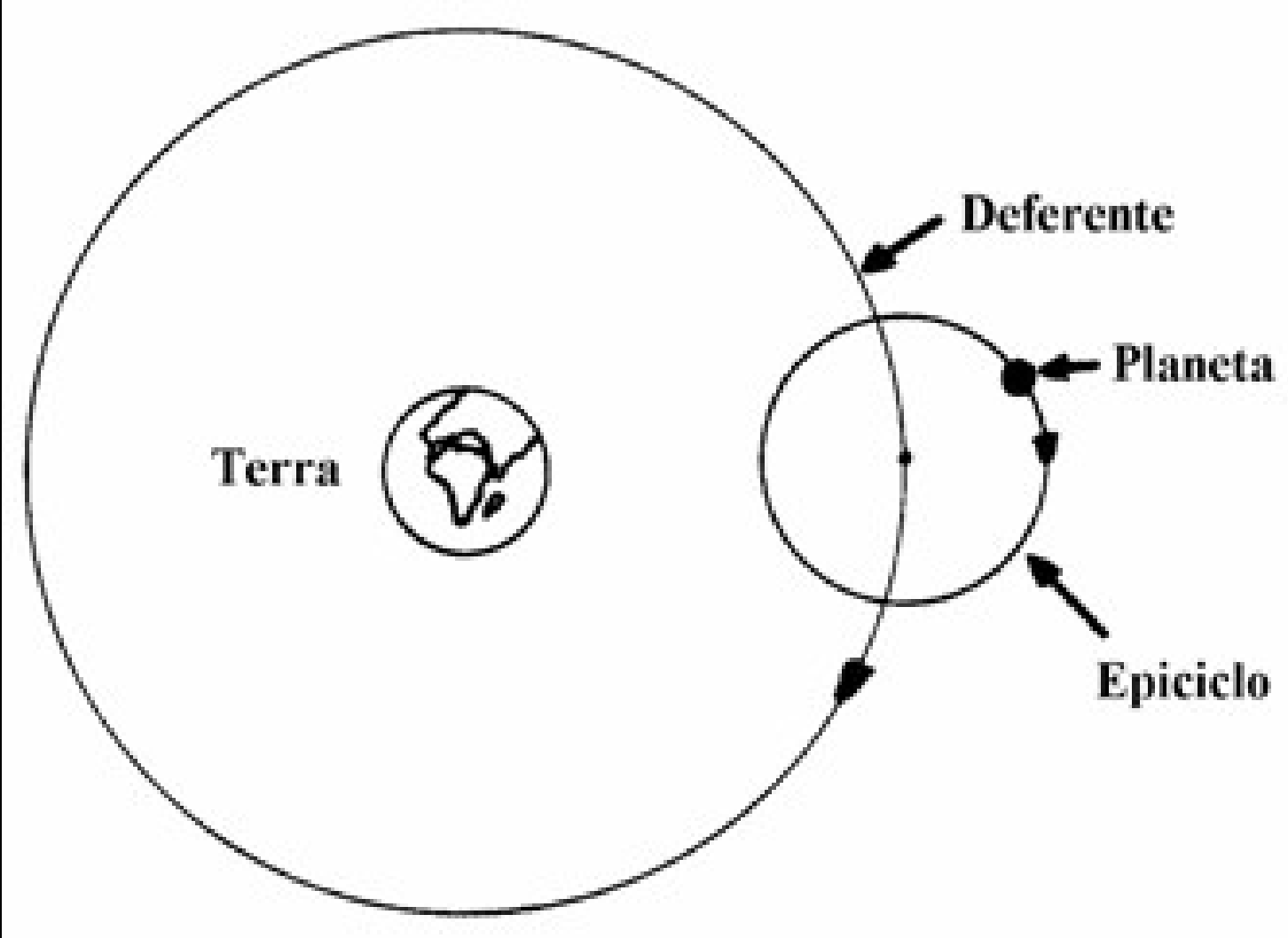
Diálogo Sobre Dois Principais Sistemas do Mundo

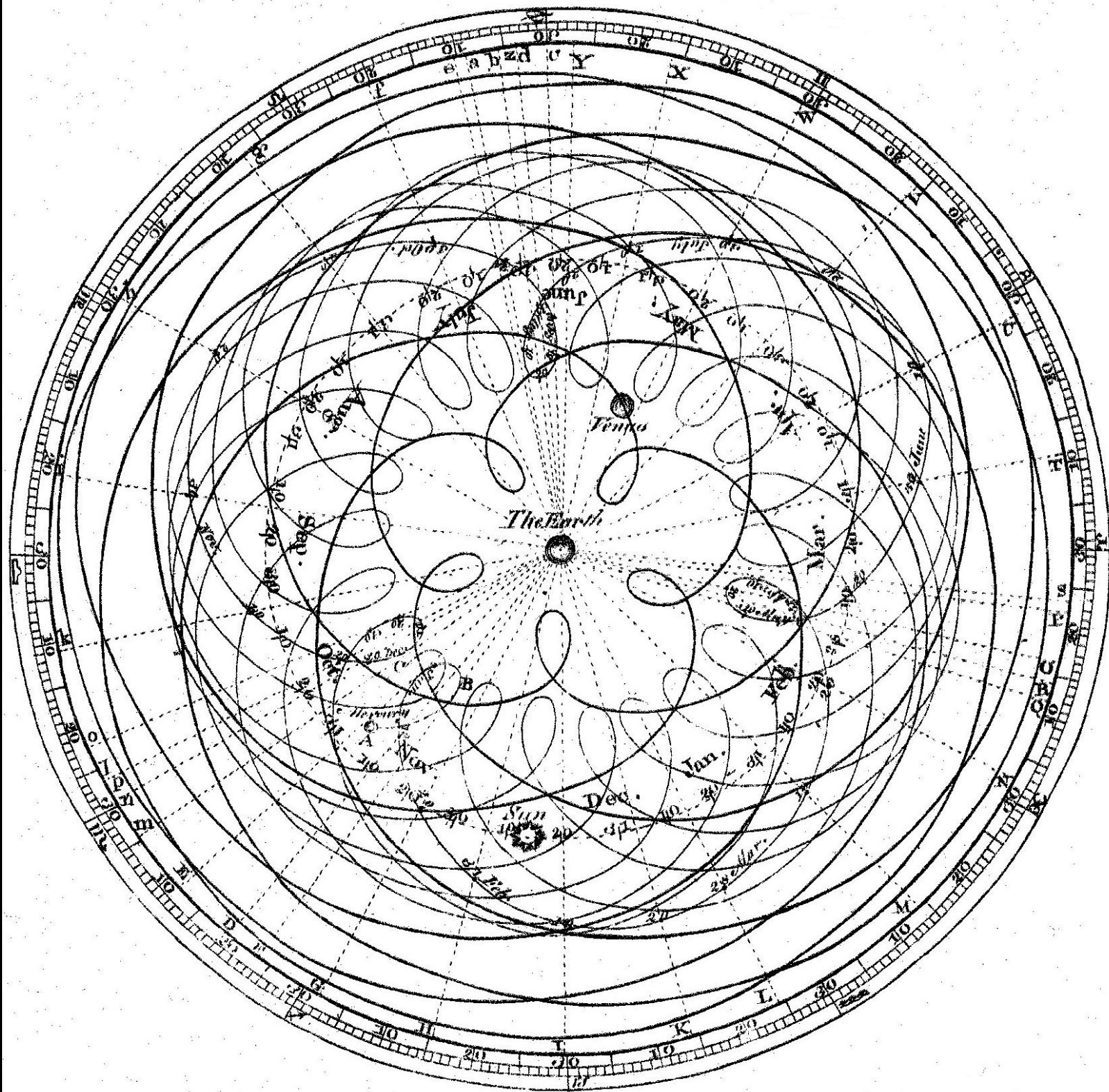


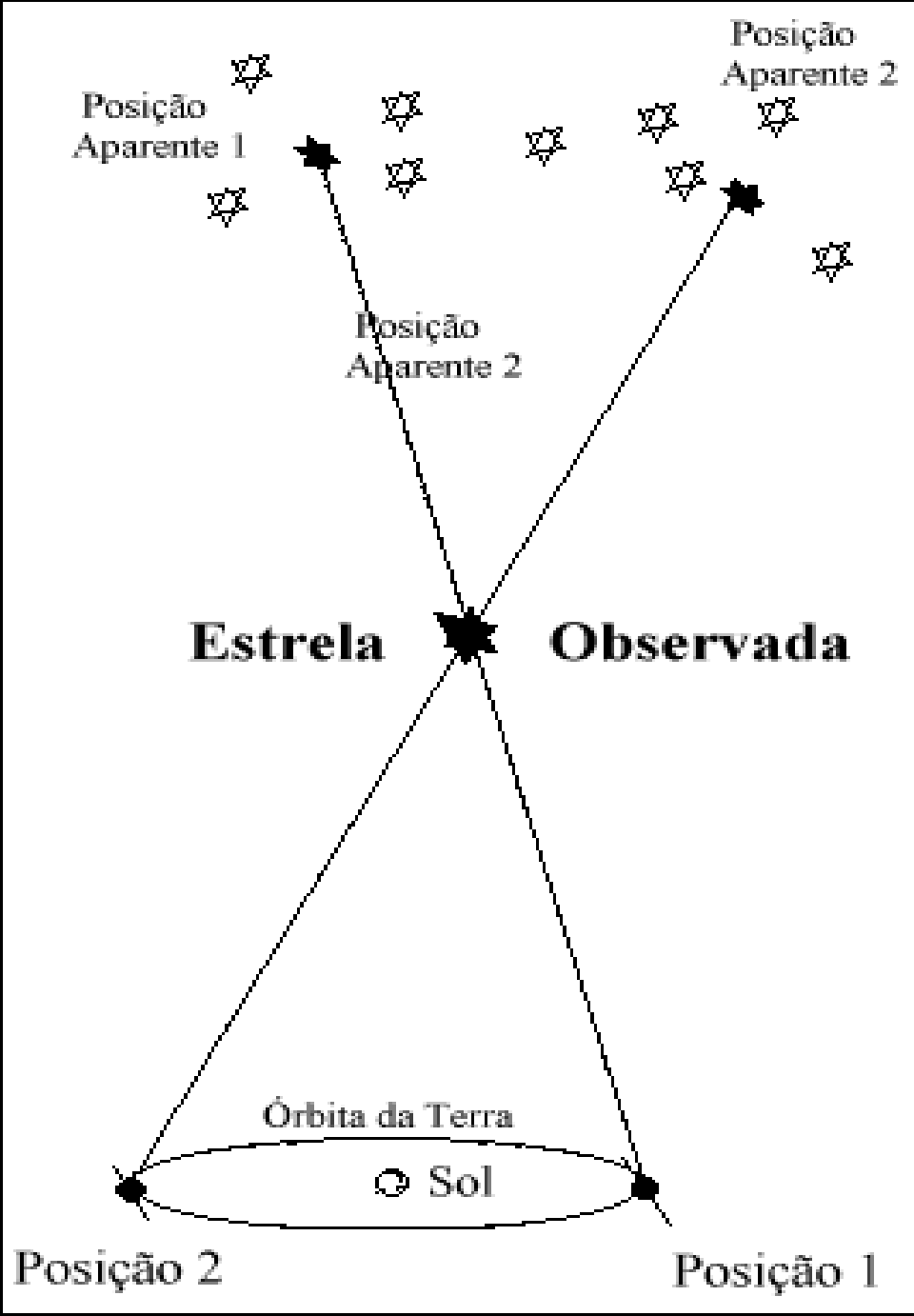


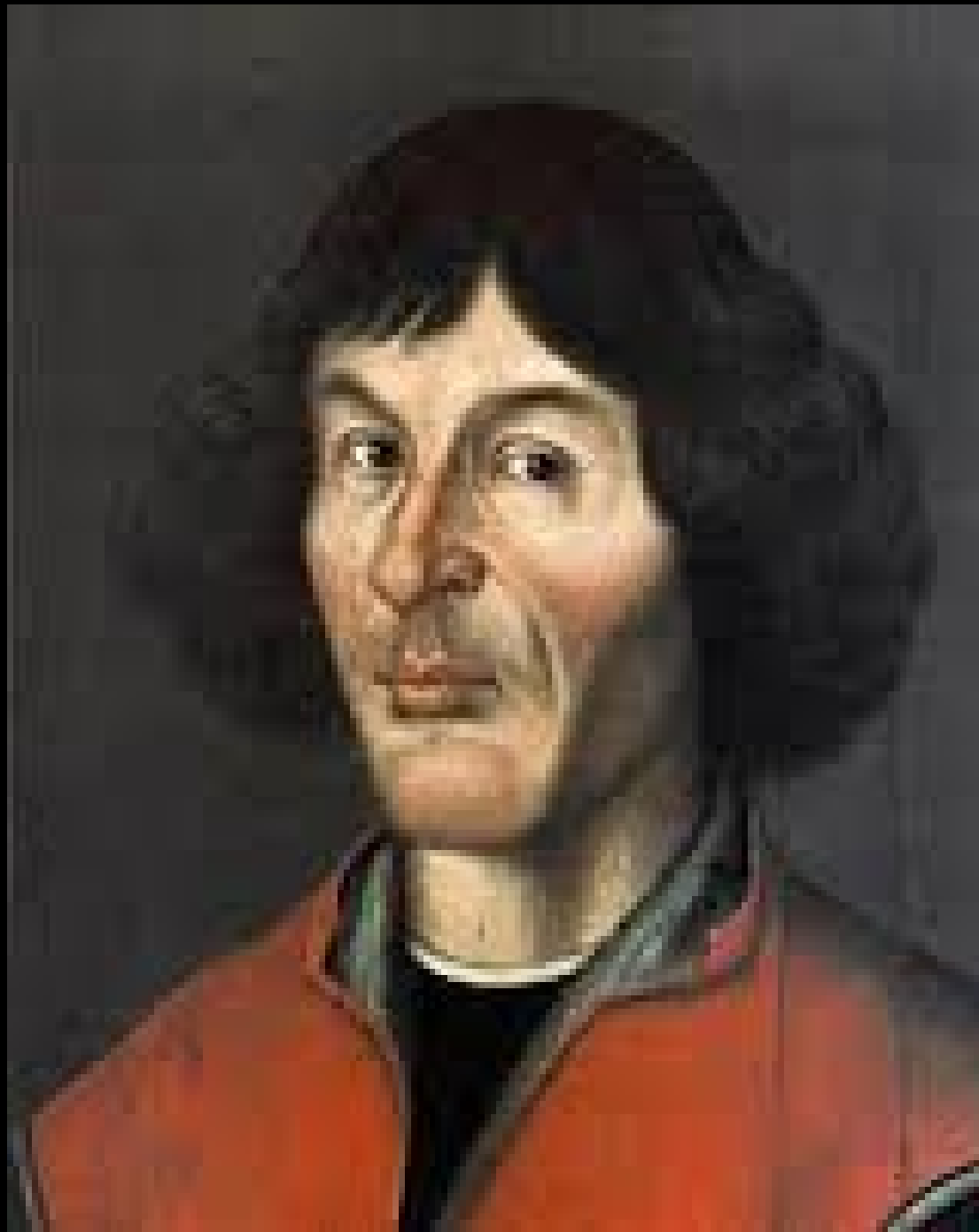


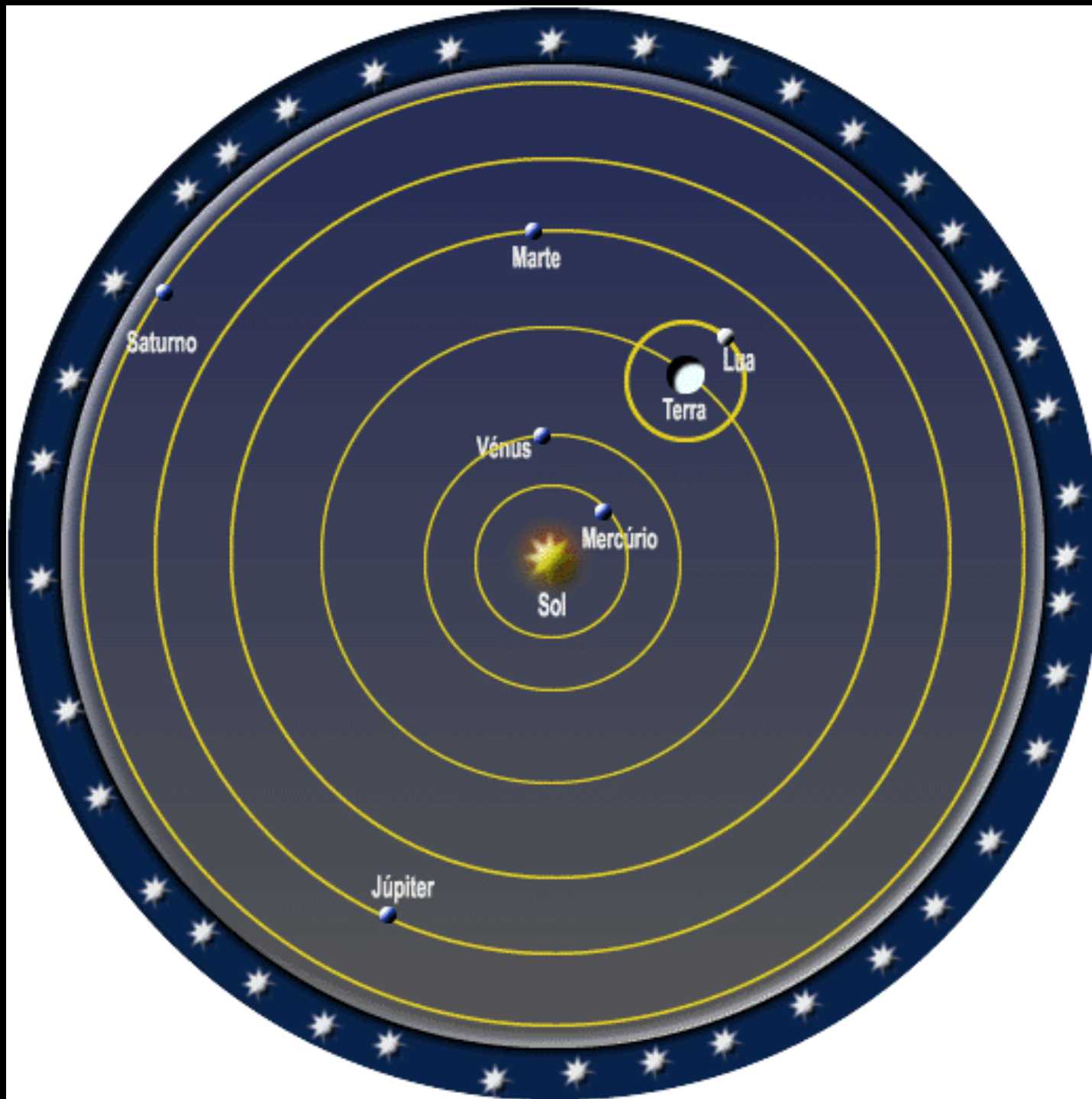








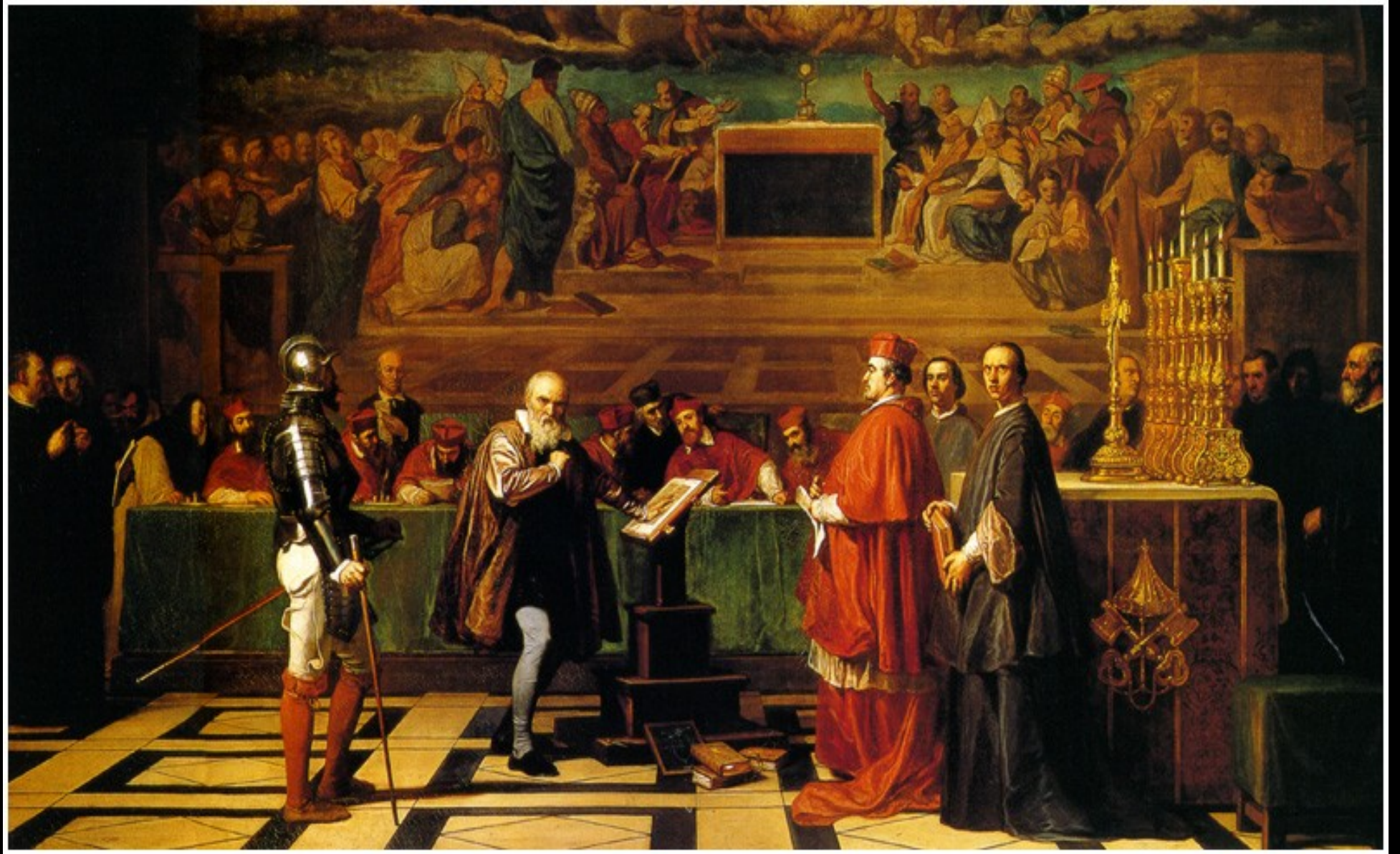


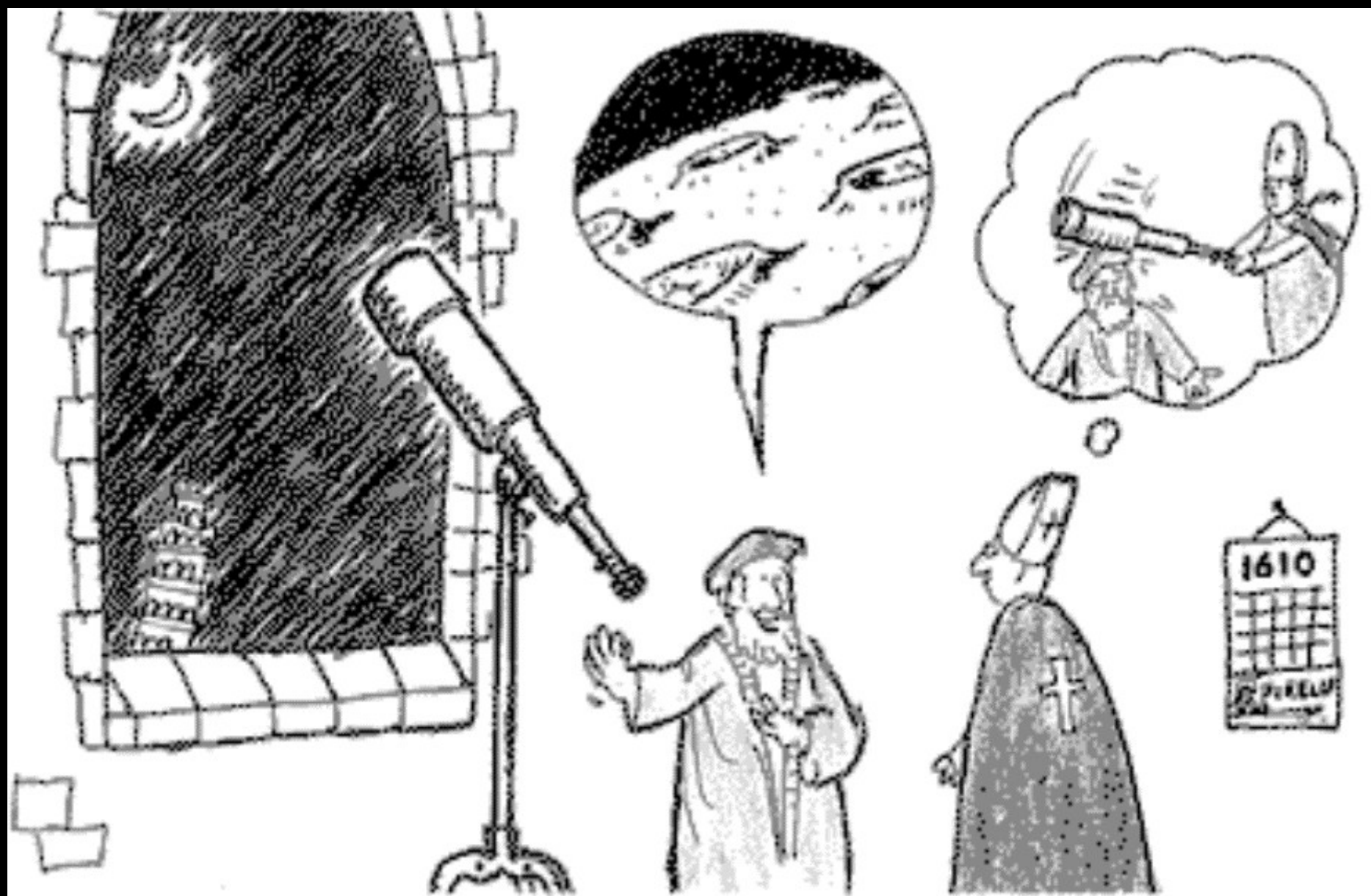




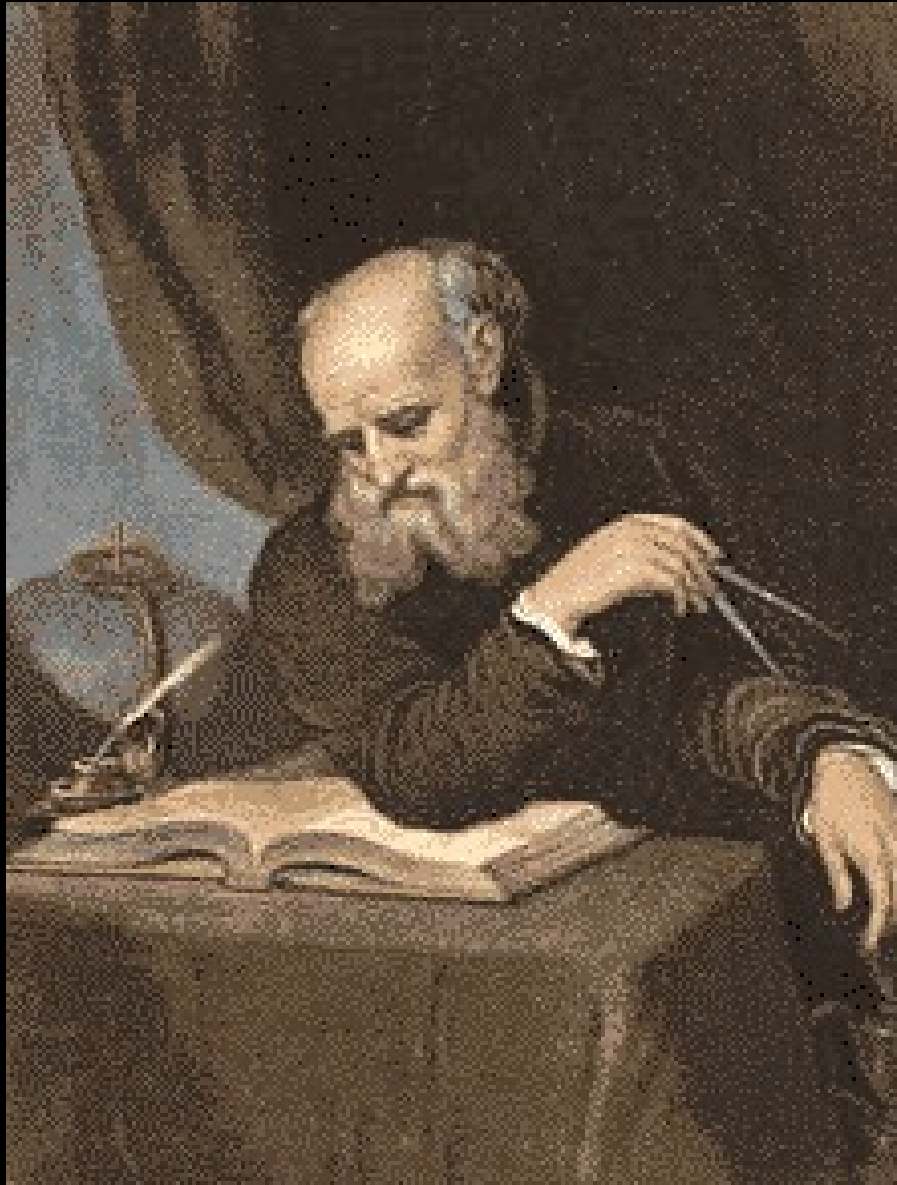
**Acusado de heresia, é convidado a retratar-se ao
tribunal da Inquisição**







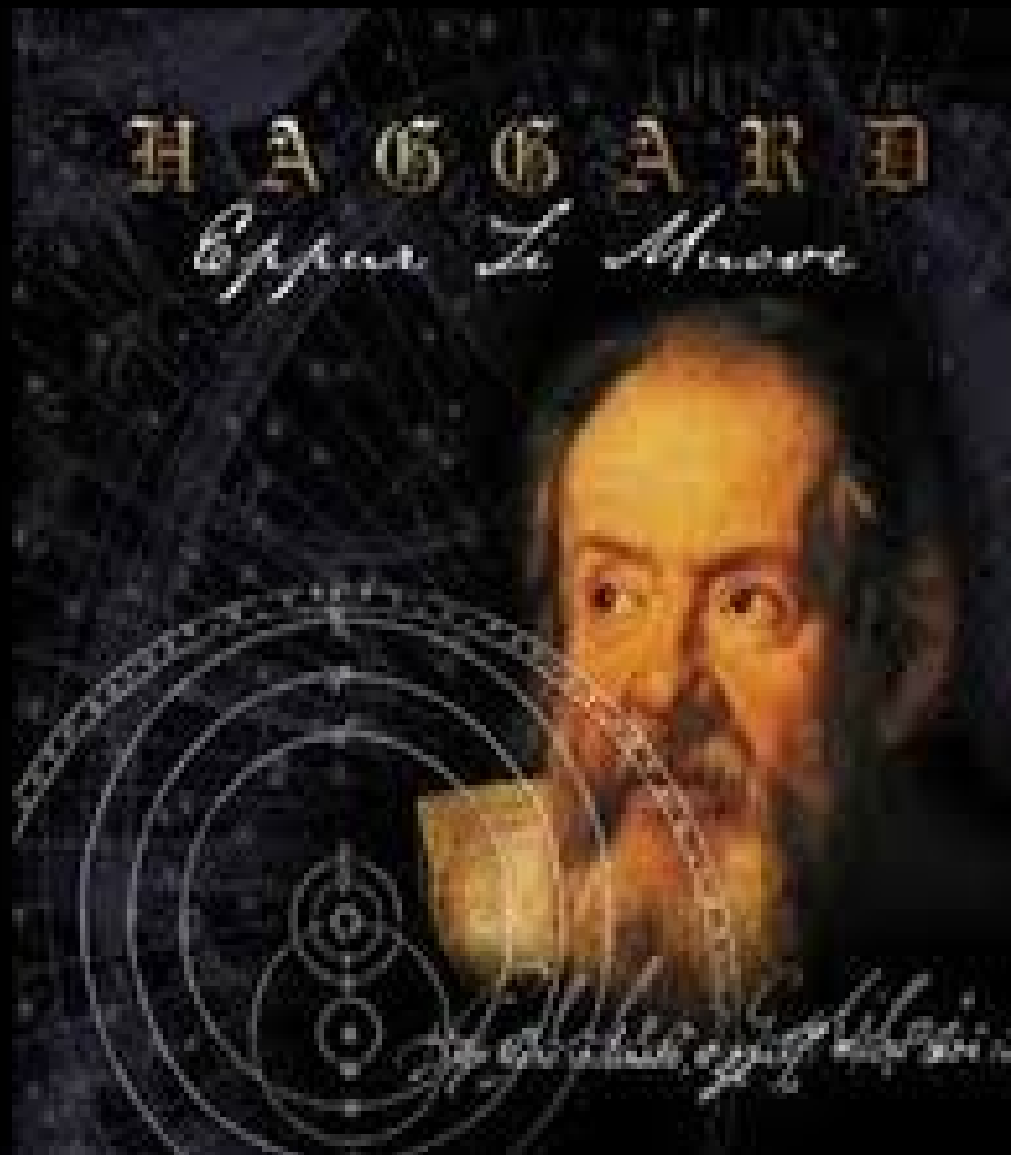
Galileo discusses his discoveries with the church.



**Prisão domiciliar até o o
fim de sua vida**

Proibição de suas obras

**Morte em 8 de Janeiro
de 1642**



The Observer - Haggard:

<https://www.youtube.com/watch?v=A3o8tacbdlw>