

From Copernicus to Einstein to Artificial Intelligence

Od Kopernika do Einsteina do sztucznej inteligencji

Association of Polish Engineers in Canada
Stowarzyszenie Inżynierów Polskich w Kanadzie



SPK w Kanadzie 1973

1473 - ROK MIKOŁAJA KOPERNIKA - 1973

SPK w KANADZIE

AFRYKA
Afryka Płd.
Kenia
Rodezja

•

AMERYKA PŁD.
Argentyna
Brazylia
Peru
Urugwaj

•

AMERYKA PŁN.
Kanada
Meksyk
Stany Zjednoczone

•

AUSTRALIA

•

EUROPA
Austria
Belgia
Dania
Francja
Hiszpania
Holandia
Niemcy
Norwegia
Szwajcaria
Szwecja
W. Brytania
Włochy

•

NOWA ZELANDIA

QUARTERLY OF THE POLISH COMBATANTS' ASSOCIATION IN CANADA, INC. - HEAD EXECUTIVE BOARD
206 BEVERLEY ST. - TORONTO, ONT., CANADA

**Jak go poznać i zrozumieć
ignorując poczucie miejsca i czasu
jak przeniknąć jego serce
pokonując dzielące nas wieki milczenia?
- Księżycowe kamienie**

Copernicus 2023



W hołdzie wielkiemu rodakowi
w 550. rocznicę urodzin Polonia kanadyjska

sooni
project

Copernicus
Born in Toruń,
Poland
February 19, 1473

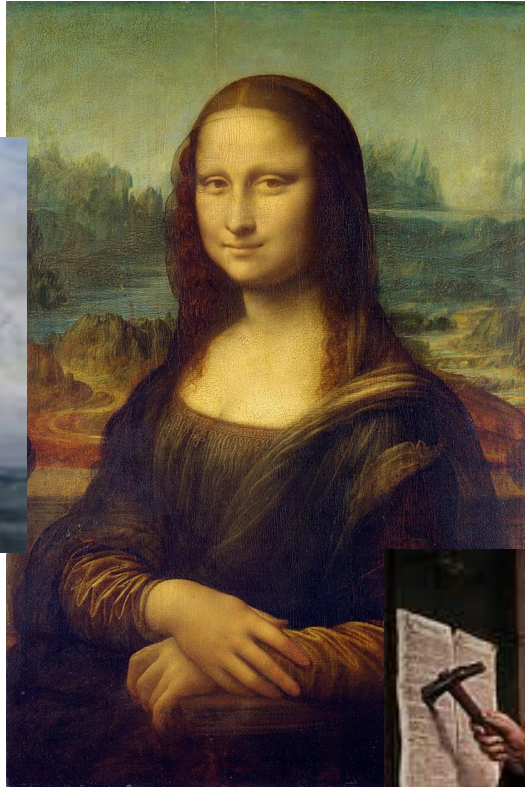


After attending universities in Krakow, Bologna and Ferrara he returned to Frombork



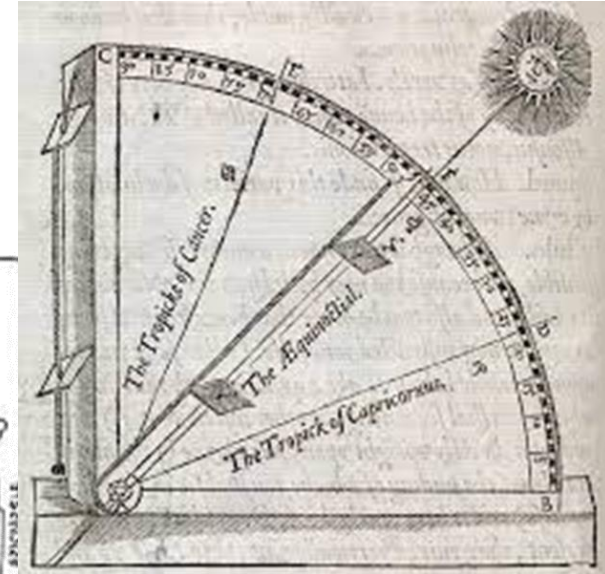
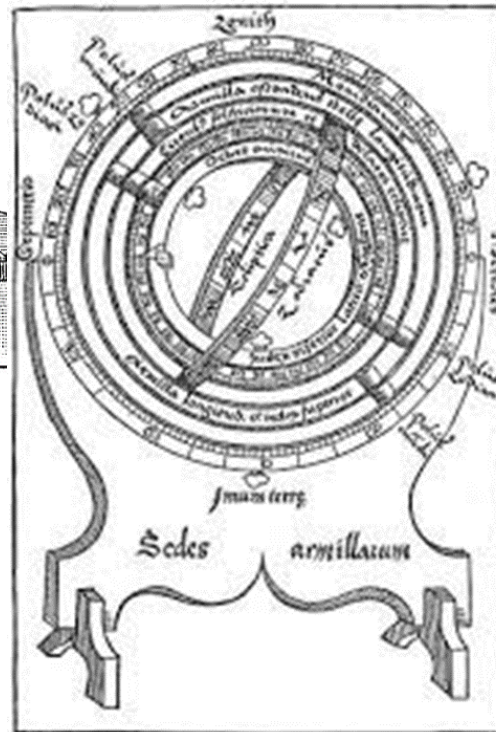
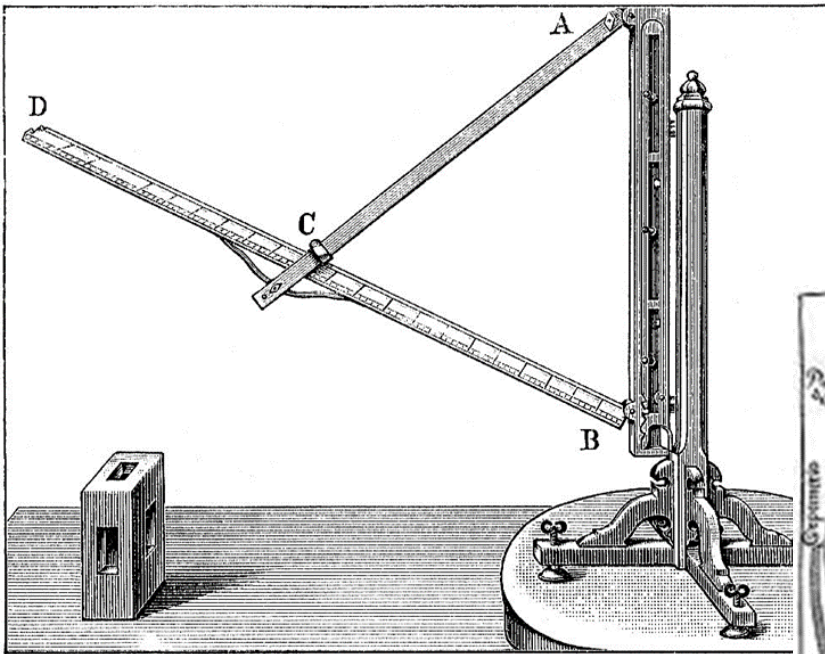
Copernicus, A Renaissance Man

Columbus, Da Vinci, Luther



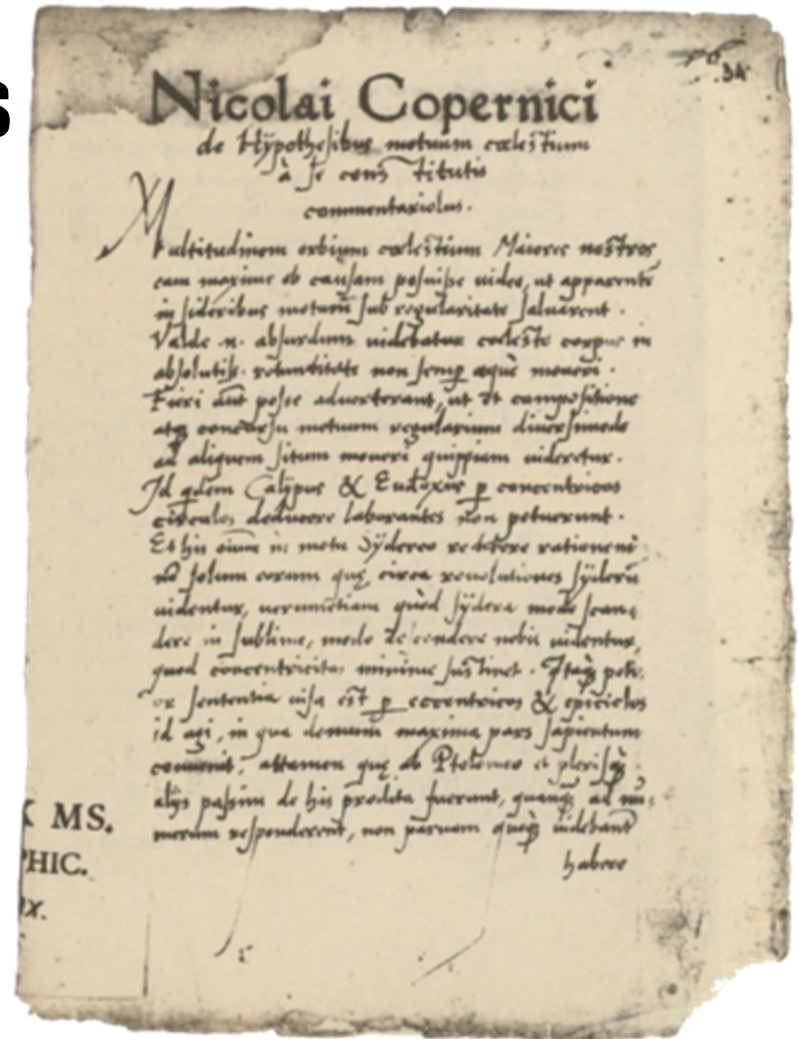
Copernicus' Advanced Engineering Equipment

Triquetrum, Armillary Sphere, Quadrant



1507 – Little Commentary, first version of his heliocentric theories

Nicolai Copernici de Hypothesibus Motuum Coelestium a se Constitutis Commentariolus

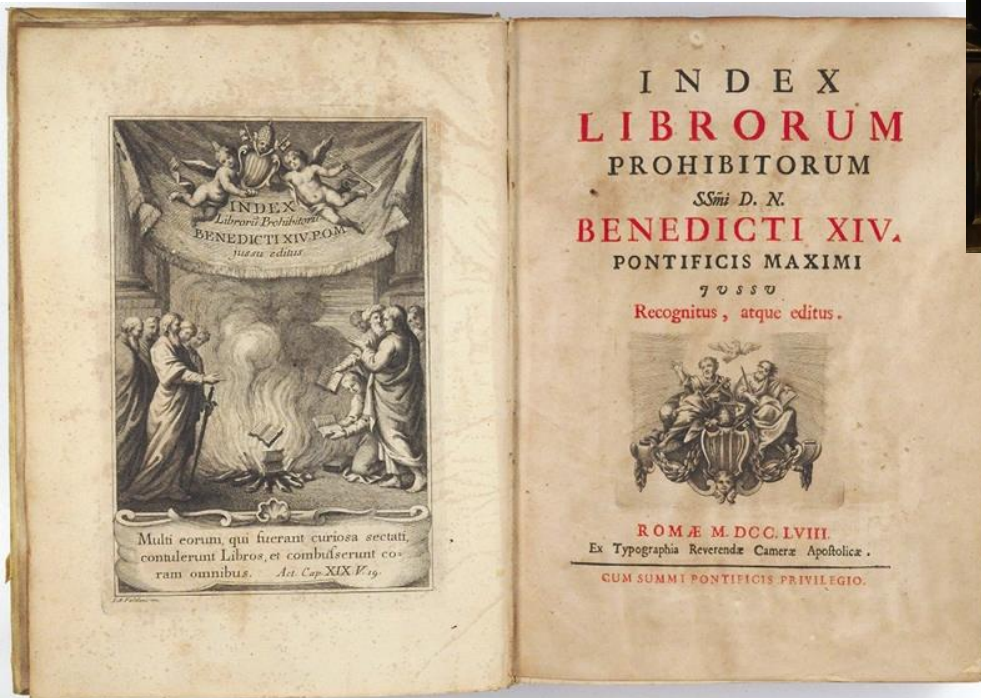


1543-De Revolutionibus Orbium Coelestium The Birth of Modern Science

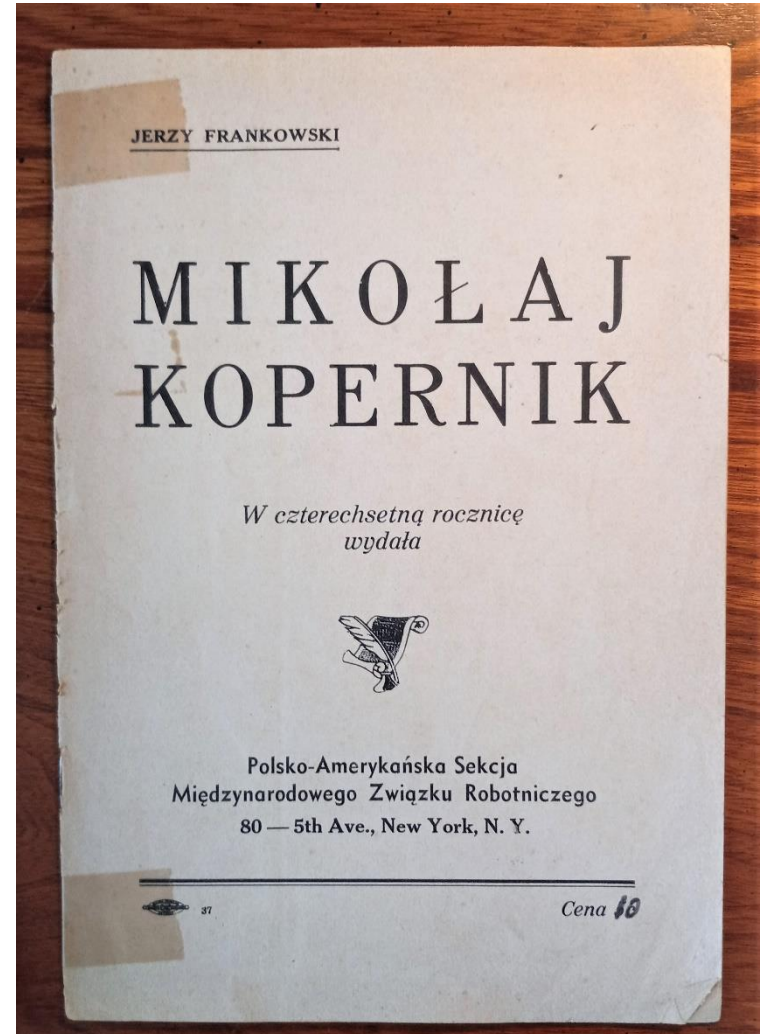
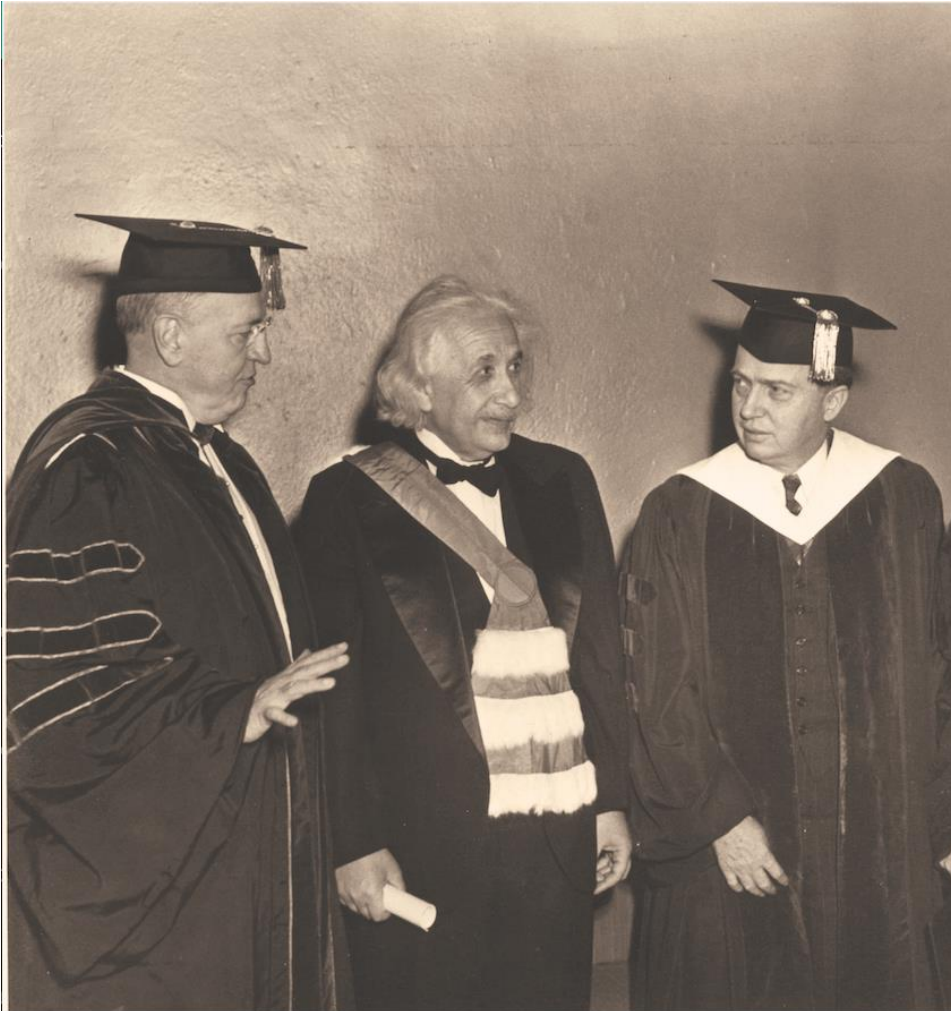


Copernicus was not a Heretic

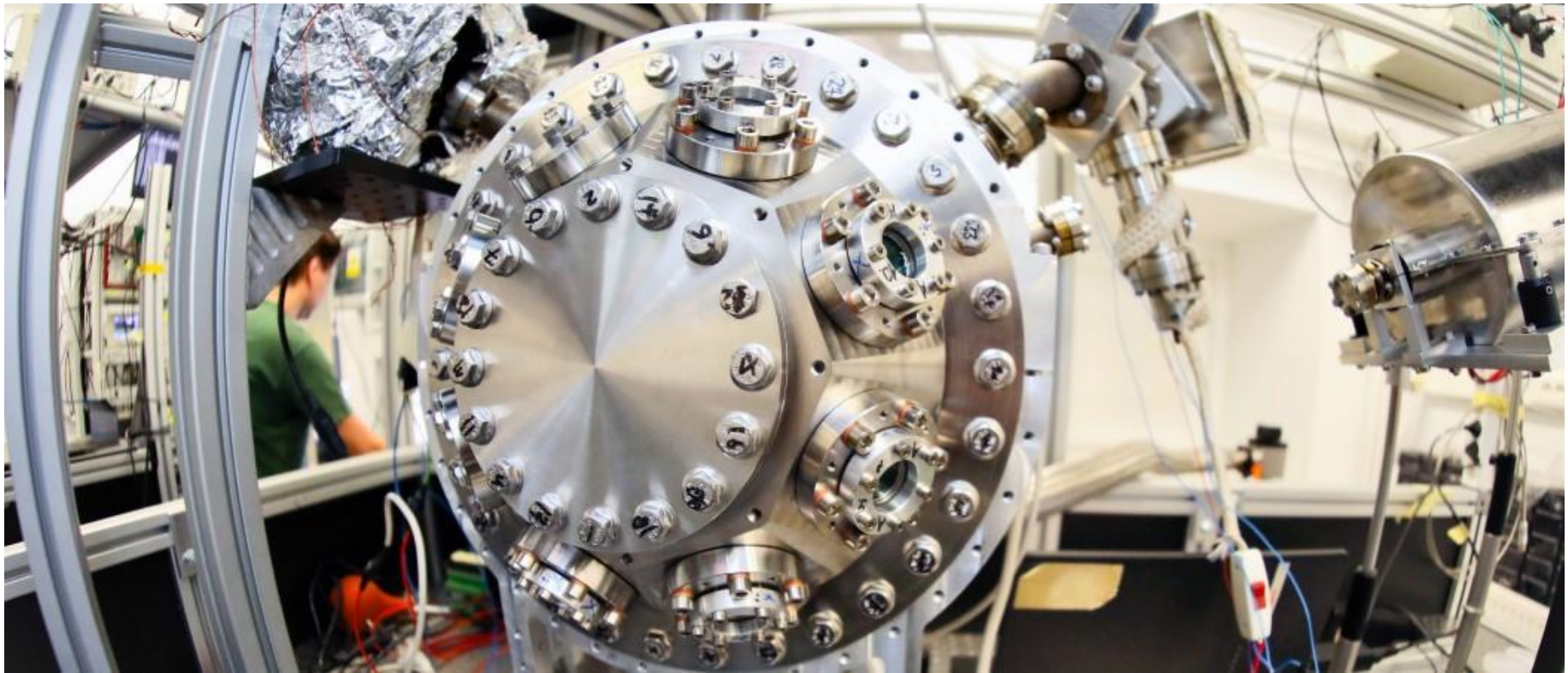
Conversations with God Painting by Jan Matejko



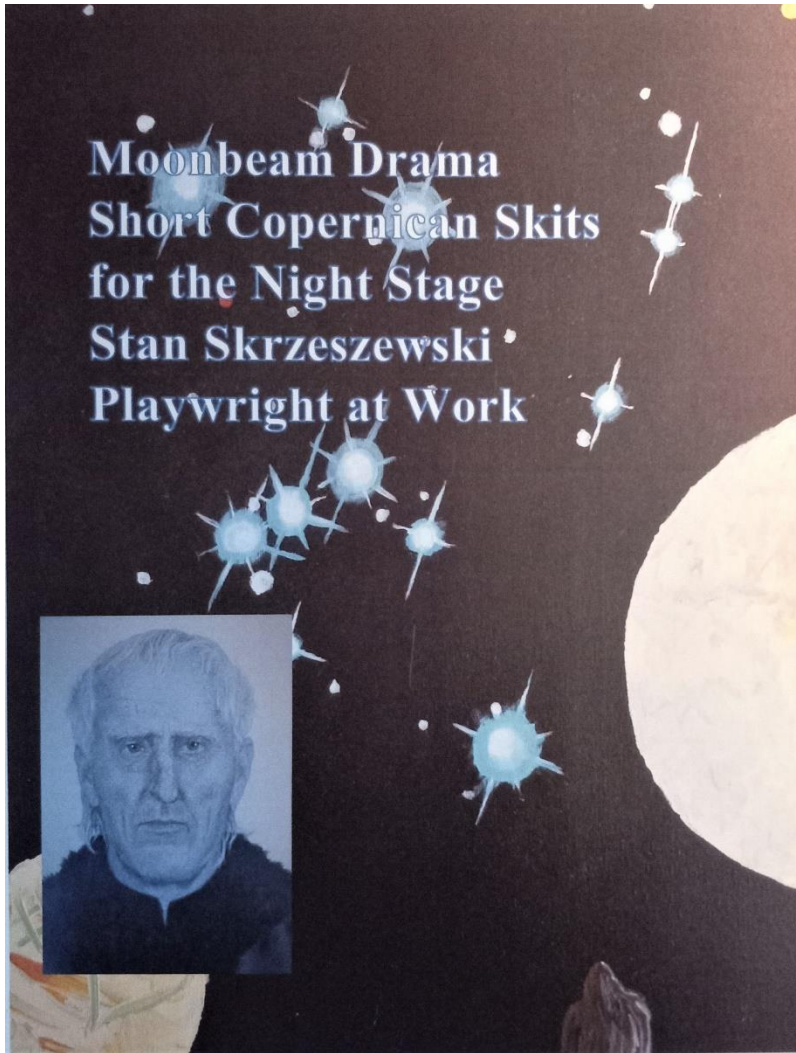
Copernicus and Einstein Carnegie Hall 1943



Quantum Labaoratory, Nicolaus Copernicus University, Torun



“The Relatively Absurd Quantum Play”



The Relatively Absurd Quantum Play A Tableau Waiting to be Performed

Characters:

Albert Einstein (Einsteinian hair and a bow tie)

Nicolaus Copernicus (his usual Caesar hair cut)

Stephen Hawking

Salvador Dali (elegant twisted moustache)

Exchangeable Ghosts: From one of those parallel universes dreamed up by Einstein. Members of the audience can be invited up to play one of the ghosts.

Stan the Playwright

Scene:

The play takes place outdoors and is lit by candles in lanterns.

As the play begins all the characters are wandering around on stage and interacting with one another. It could be that they are like random particles in space and time. As each character speaks, he approaches the front of the stage and addresses the audience.

The intent of the play is to create quantum chaos or randomness by involving the audience. The success of the play depends on audience participation which should result in confusion. Each volunteer actor will get a binder containing the full text of the play with their parts of the play underlined and a large nametag to wear around their neck.

Stan the Playwright sits on a chair at the back of the stage and observes the play.

The play builds on the surrealist, absurd, quantum tradition. If you think that you are reading a form of automatic theatre writing you might be absolutely correct.

Fore Play:

Stan the Playwright (rising from his chair and moving to centre stage to address the audience): “Before we get started, I have to tell all of you that there are several ghosts who make an appearance in this play. We want members of the audience to read the lines given to the Ghosts. Each volunteer will be given a sheet with the ghost lines. I will cue you when it is your turn to speak. We need volunteers for:

- Ghost of John von Neumann
- Ghost of Sir Isaac Newton
- Ghost of Werner Heisenberg
- Ghost of Chuck Berry
- Ghost of Cher

(Once the volunteers get their scripts, Stan goes and sits back in his chair)

Copernicus – Europe's Eye on Earth



COPERNICUS AND ARTIFICIAL INTELLIGENCE

**Copernicus industry
workshop**

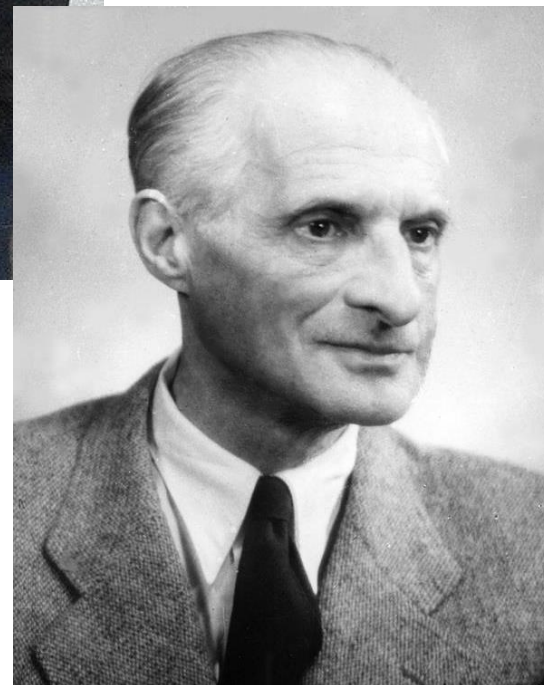
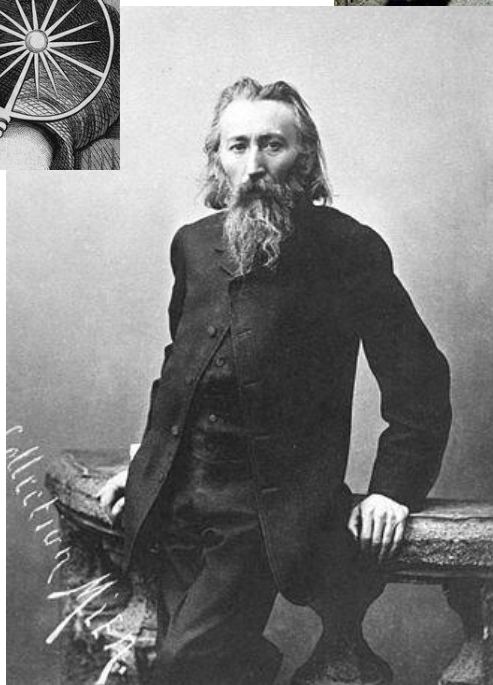
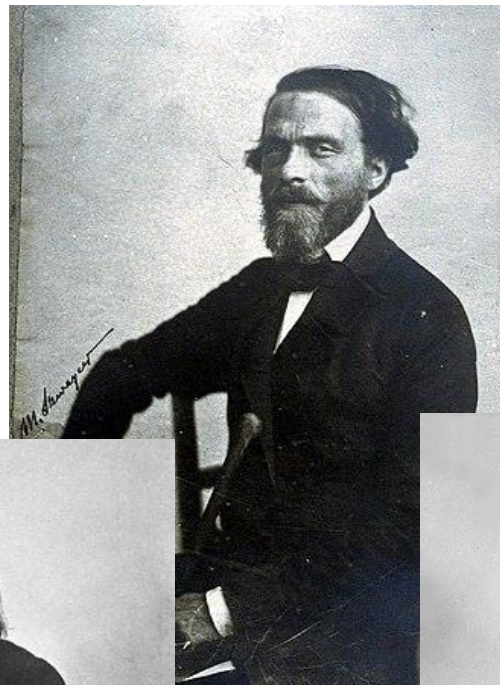
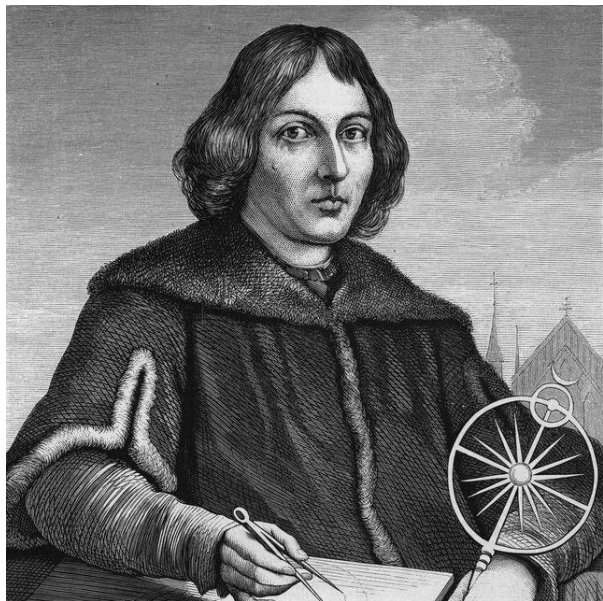
28 January 2020
9:00 - 17:00

 **European
Commission**   **Copernicus**
Europe's eyes on Earth

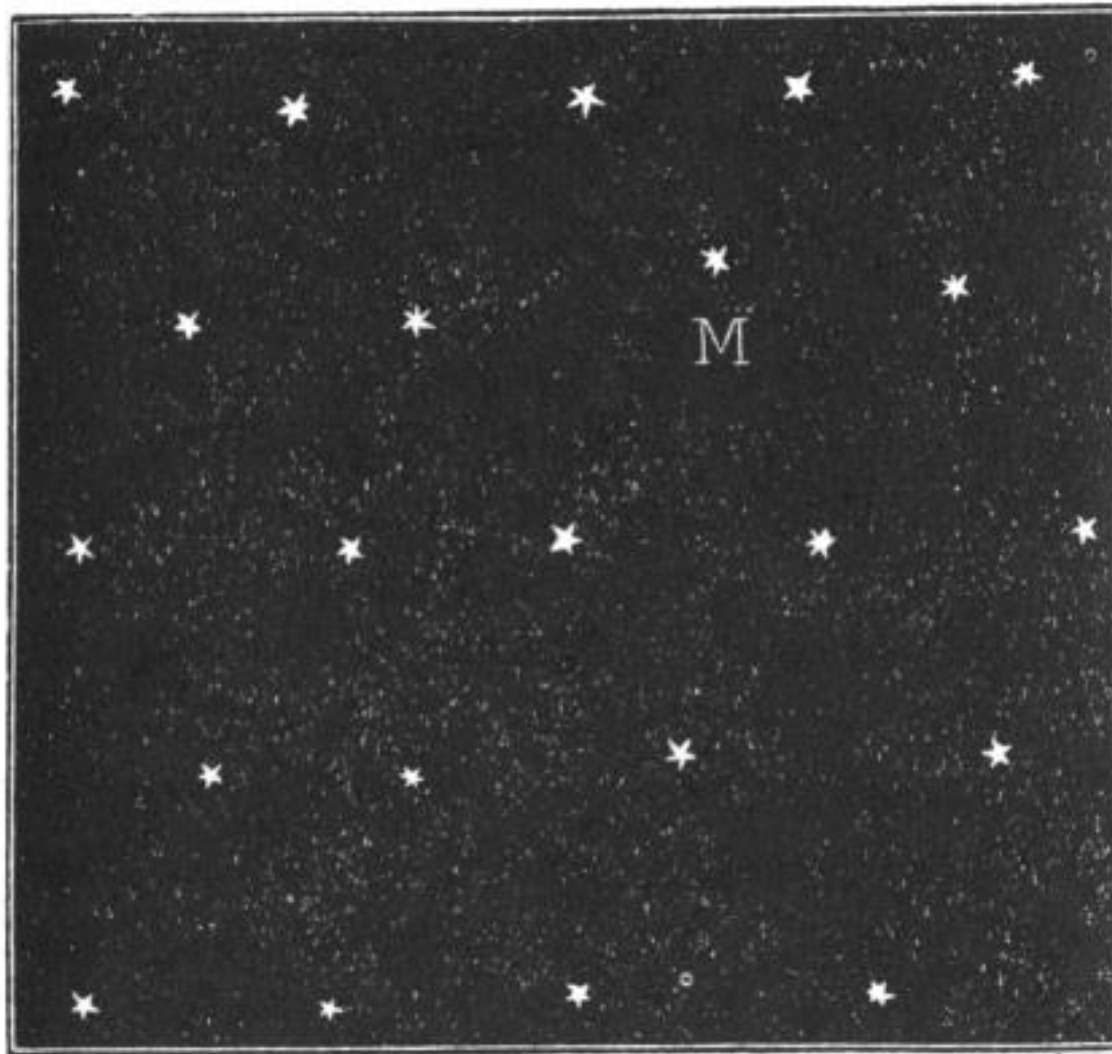
Auditorium - Breydel Building
Avenue d'Auderghem, 45
Brussels 1040

Kopernik jako niestereotypowy Polak

Kopernik, Matejko, Norwid, Tuwim

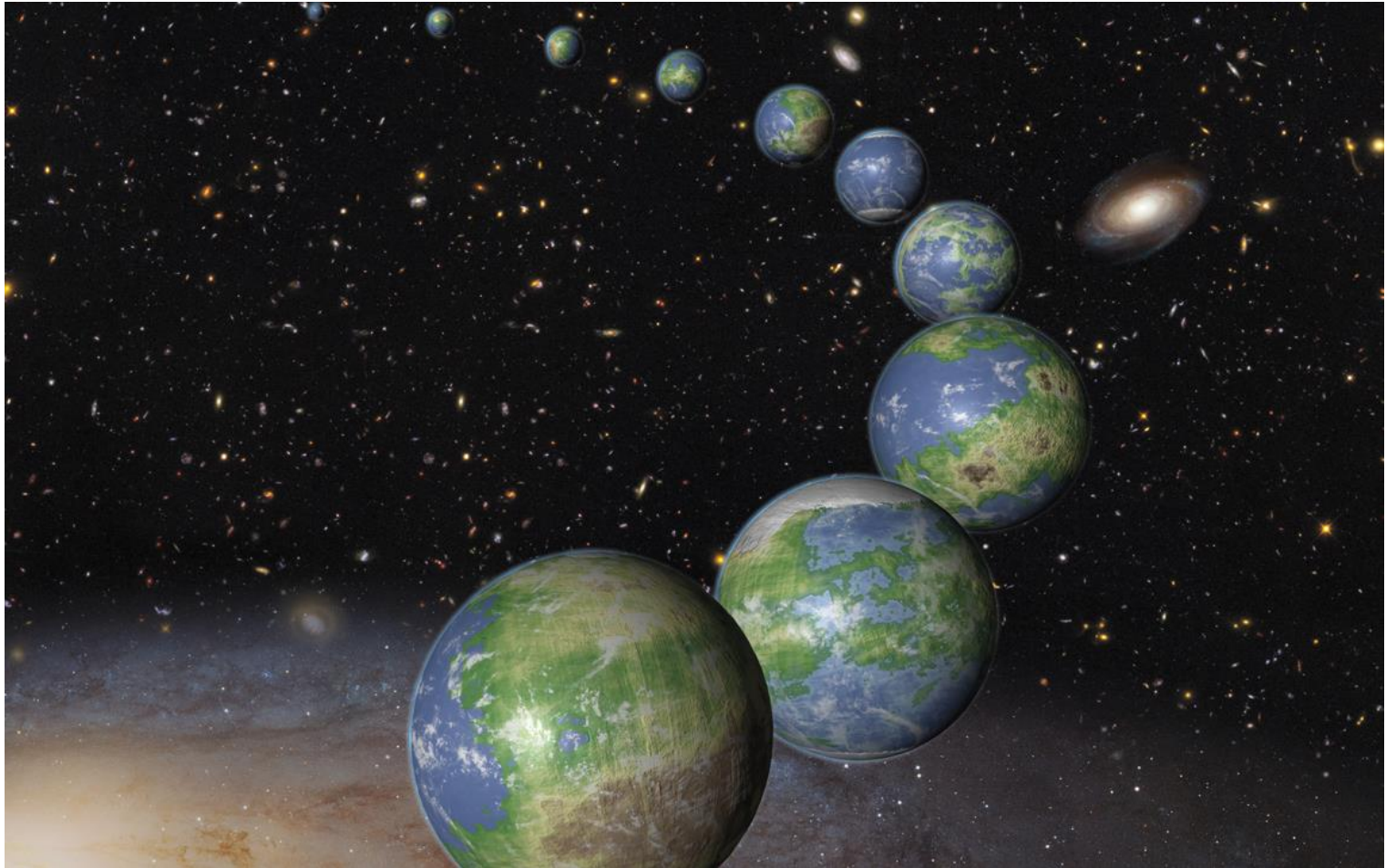


Kepler's Diagram showing the earth as one of many stars



The Copernican vs the Anthropic Principle

Are we the only observers?



Copernicus and Stan in Torun

