



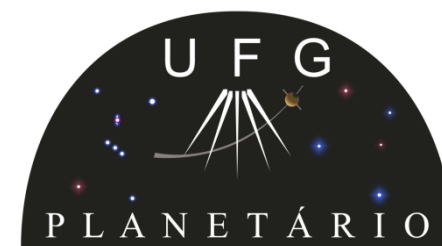
A STAGING OF A PLAY OF HISTORY AND ASTRONOMY AT PLANETARIUM: THREE GENIUSES, A MEETING

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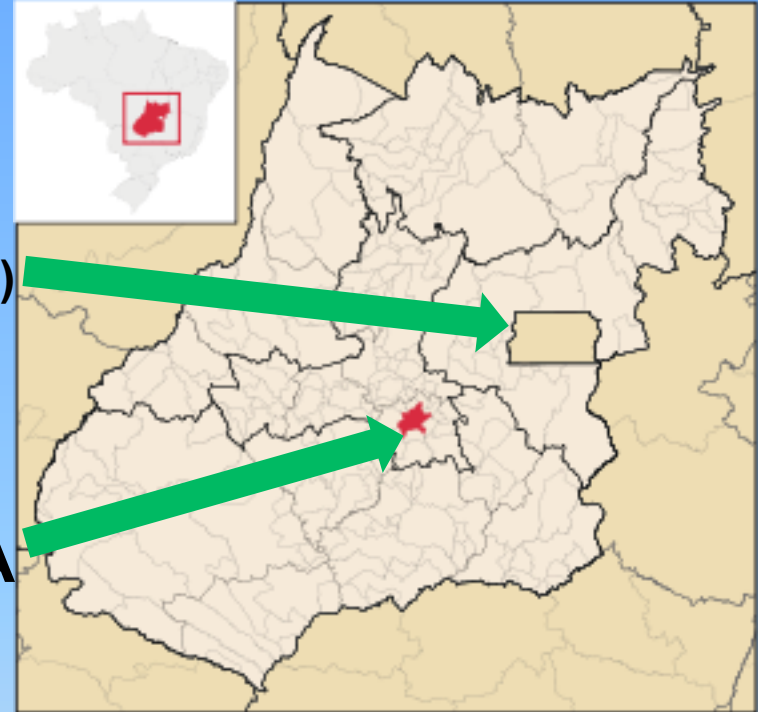




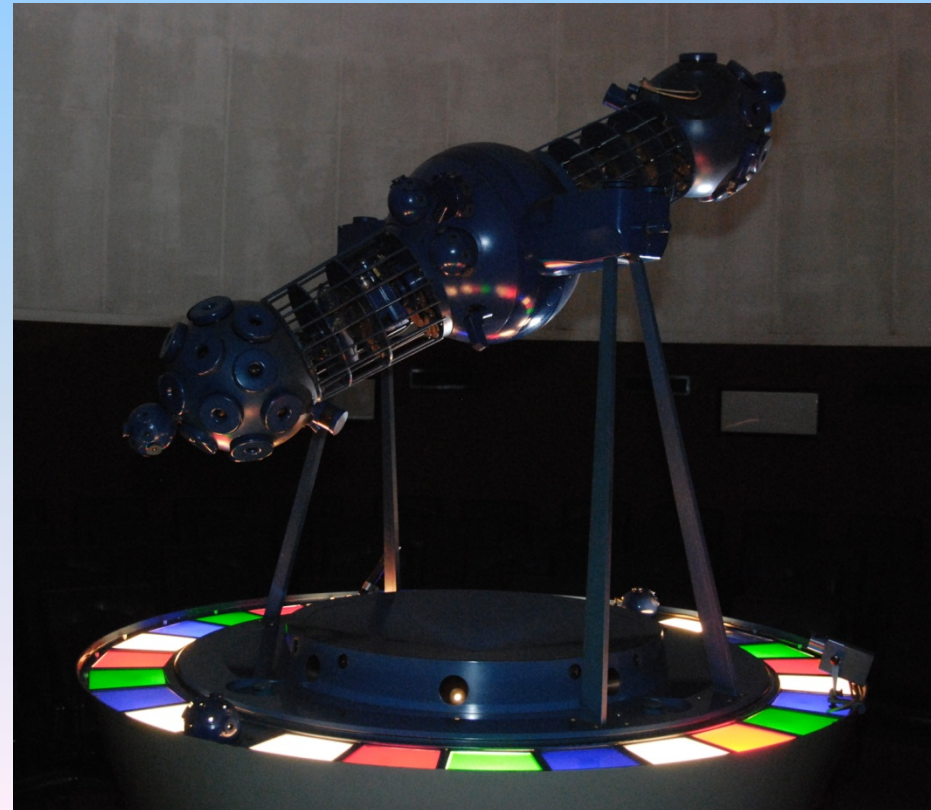
GOIÁS

BRASÍLIA (DF)

GOIÂNIA



Planetarium projector of the Federal University of Goiás is a Spacemaster- optical electro-mechanical model of Zeiss. Operation since 1970 in Goiânia. The oldest projector in operation in Brazil. There are 124 seats in the room.



On October 23, 2010, the Planetarium of UFG celebrated 40th anniversary, when the professors of the institution staged play, which represented dialogues between Aristotle, Galileo and Einstein.



GALILEO

EINSTEIN

ARISTOTLE









OBJECTIVES

The overall objective was to resume issues related to the History of Science to approach the public with Astronomy.

According to Michael R. Matthews (Auckland University-New Zealand), teachers and researchers need three skills:

MATTHEWS, M. R. (ed.): 1991, History, Philosophy, and Science Teaching: Selected Readings, OISE Press, Toronto.

1. Knowledge and appreciation of Science teaching;
2. Some understanding of the History of Science and
3. Some theory or educational vision that can sustain their activities in the classroom, which provides a purpose for their educational efforts.

It is important that students understand that construction of knowledge is a controversial field, a field in which many theories are controversial, because science is dynamic and linked to the historical context.

METODOLOGY

- All elements of the staging of a play were developed and supplied by the Planetarium of UFG team.
- An initial script of the staging of a play has been modified over years and new presentations were made.

The dialogues were centered on:

- biographical data of these scientists, in comparison to different world views of their times;
- in recognition of the sky;
- in ancient Greek mythology;
- poetry and
- discussion among them about current social and environmental problems.

CONCLUSIONS

- The public response was always motivating to continue this type of activity at the Planetarium of UFG.
- It is good to make use of History or biographies to attract the public to know elements of sky and certainly this strategy will be used in future presentations.