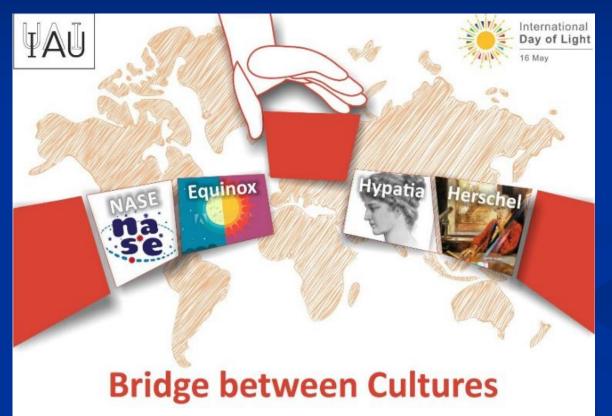
Bridges between Cultures March 20th 2021



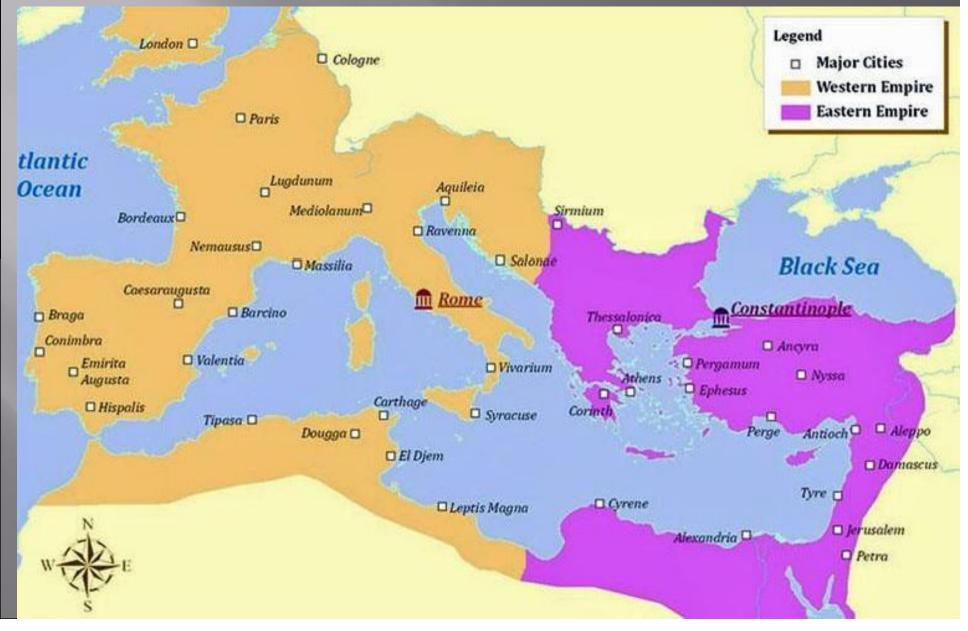
Murder of Hypatia of Alexandria Ari Belenkiy, Canada



MURDER OF HYPATIA OF ALEXANDRIA

Ari Belenkiy

Roman Empire after 395 (Wiki)



Alexandria (National Geographic)



Easter conflicts in Roman Empire (prepared by P. Kuzenkov)

Year	XIV Alex.	Easter Alex.	Vat. Reg.	XIV Rom.	Easter Rom.
400	25 March	1 April	47	24 March	1 April
401	13 April	14 April	48	13 April	21 April
402	2 April	6 April	49	2 April	6 April
403	22 March	29 March	50	22 March	29 March
404	10 April	17 April	51	9 April	17 April
405	30 March	2 April	52	30 March	2 April
406	18 April	22 April	53	18 March	25 March

Definition of Easter

Easter = the most important Christian holiday celebrated on the first Sunday after the *first vernal* (spring) *full moon*.

• Vernal = on or after the vernal (spring) equinox.

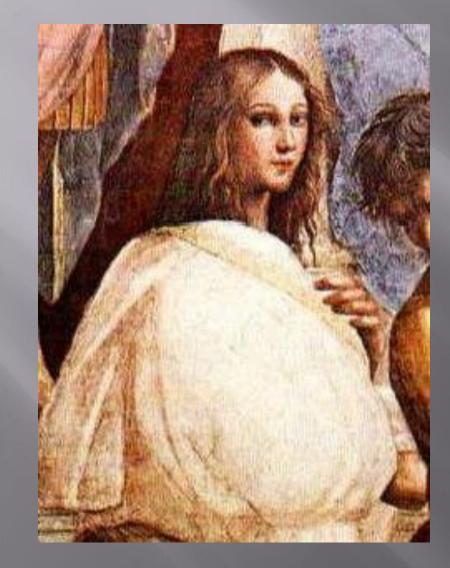
Hypothesis

Hypatia's murder related to the Easter conflict
and her involvement therein as an astronomer

Alexandrian Church Calendar

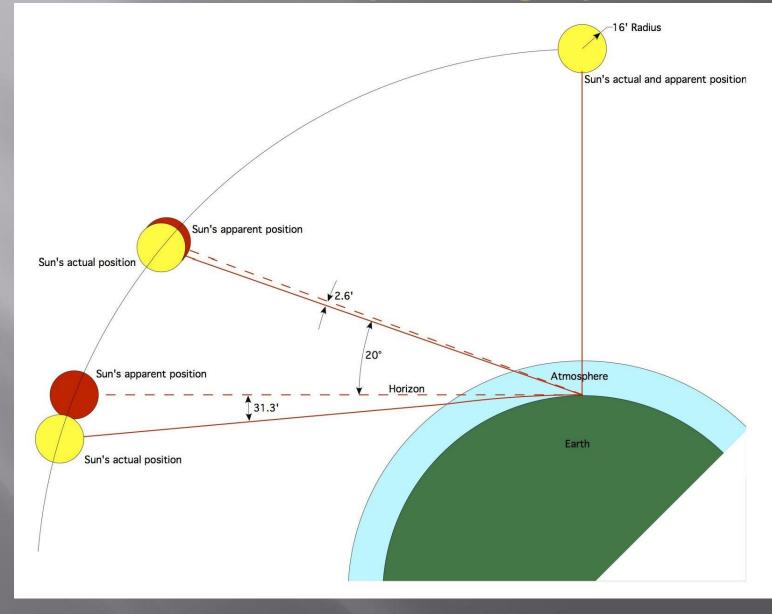
Year in the 19-year cycle	Lunae 14 (Passover Seder*) in Alex. civil calendar	Lunae 14 (Passover Seder*) in Julian calendar
1	10 Pharmouthi	5 April
2	29 Phamenoth	25 March
3	18 Pharmouthi	13 April
4	7 Pharmouthi	2 April
5	26 Phamenoth	22 March
6	15 Pharmouthi	10 April
7	4 Pharmouthi	30 March
8	23 Pharmouthi (23 Phamenoth *)	18April (19 March *)

Hypatia (Rafael) and Philostorgius:



Hypatia, Theon's daughter, practiced sciences (μαθήματα) under her father's direction but surpassed her teacher, especially in *the art of astronomy* (α΄στροθεάμονα τέχνην), and instructed many people in the *sciences*. In the reign of Theodosius the Younger the woman was *torn to pieces* (διασασθῆναι) by *homoousians*

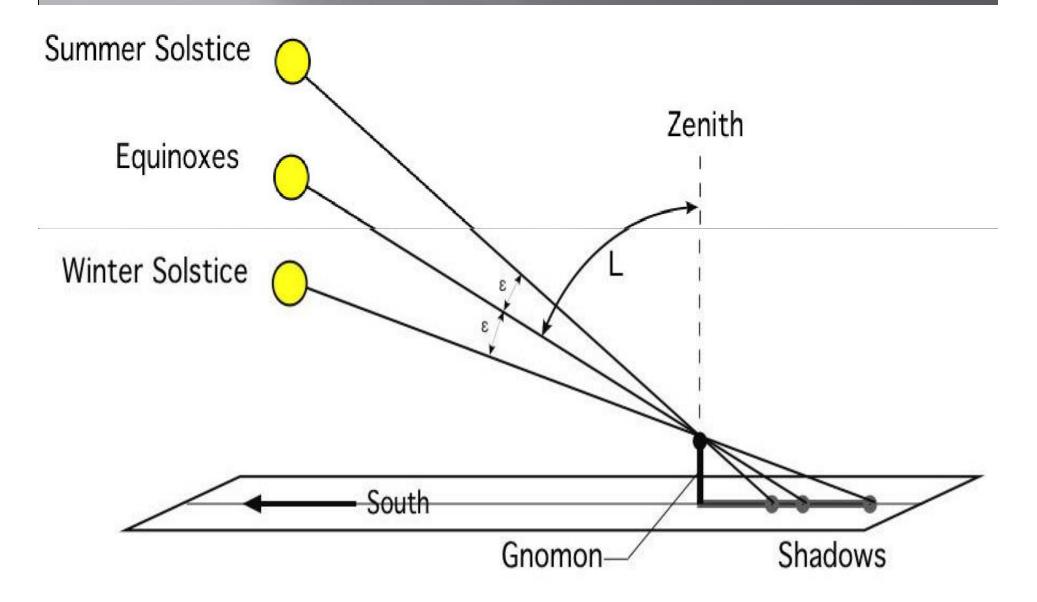
Atmospheric Refraction (drawn by R. Gregory)



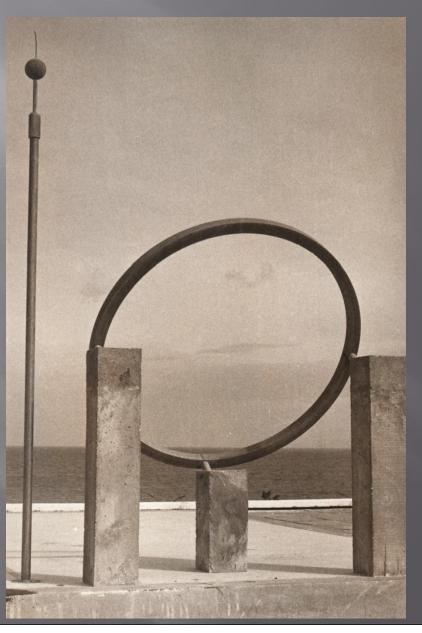
Hypatia and Theon ("Agora")



How to catch the equinox? (drawn by E. Vila Echagüe)



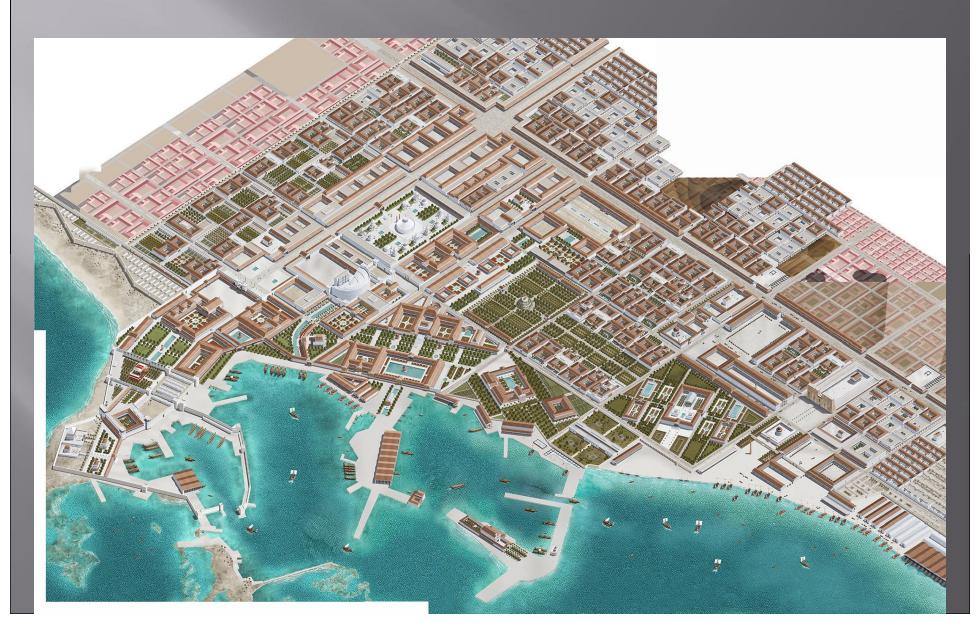
Equatorial Ring (this one made by F. and M. Bruins in 1967)



The circumstances of the murder (Wiki)



Reconstruction of the Palace Area in Alexandria (M. Bengtsson)



Auditorium at Kom-el-Dikka (Polish excavations, G. Majcherek)



Proposal

Memorial Day for Hypatia on the day of the vernal equinox in Alexandrian local time

From 2016 to 2050 all vernal equinoxes in Alexandria fall on March 20

March 20 = Hypatia's Memorial Day https://www.change.org/p/canada-sparliament-commemorating-the-first-femaleastronomer-hypatia-of-alexandria