

The background of the slide is a dark, monochromatic illustration. It depicts a witch with long, flowing hair, riding a goat. She is holding a long, thin tube, possibly a telescope or a cannon barrel, and firing it. A stream of small, dark objects, resembling stars or cannonballs, is being ejected from the tube. In the upper left corner, a comet with a long tail is visible. The overall style is reminiscent of a woodcut or a dark, atmospheric painting.

THE ASTRONOMER & THE WITCH: KEPLER'S MOTHER

Prof Ulinka Rublack FBA
Cambridge University &
St John's College



Lecture

- 1. The Witchcraze and the Early Modern Period
- 2. Katharina Kepler
- 3. Johannes Kepler
- 4. Imprisonment
- 5. Kepler's Defence
- 6. Conclusions

Depiction of the
burning
of witches in
Baden,
Switzerland
1585
Johann Jacob
Wick







Albrecht Dürer, Witch riding a goat backwards





Jacques de
Gheyn II
c.1610
Witches
preparing
magic potions

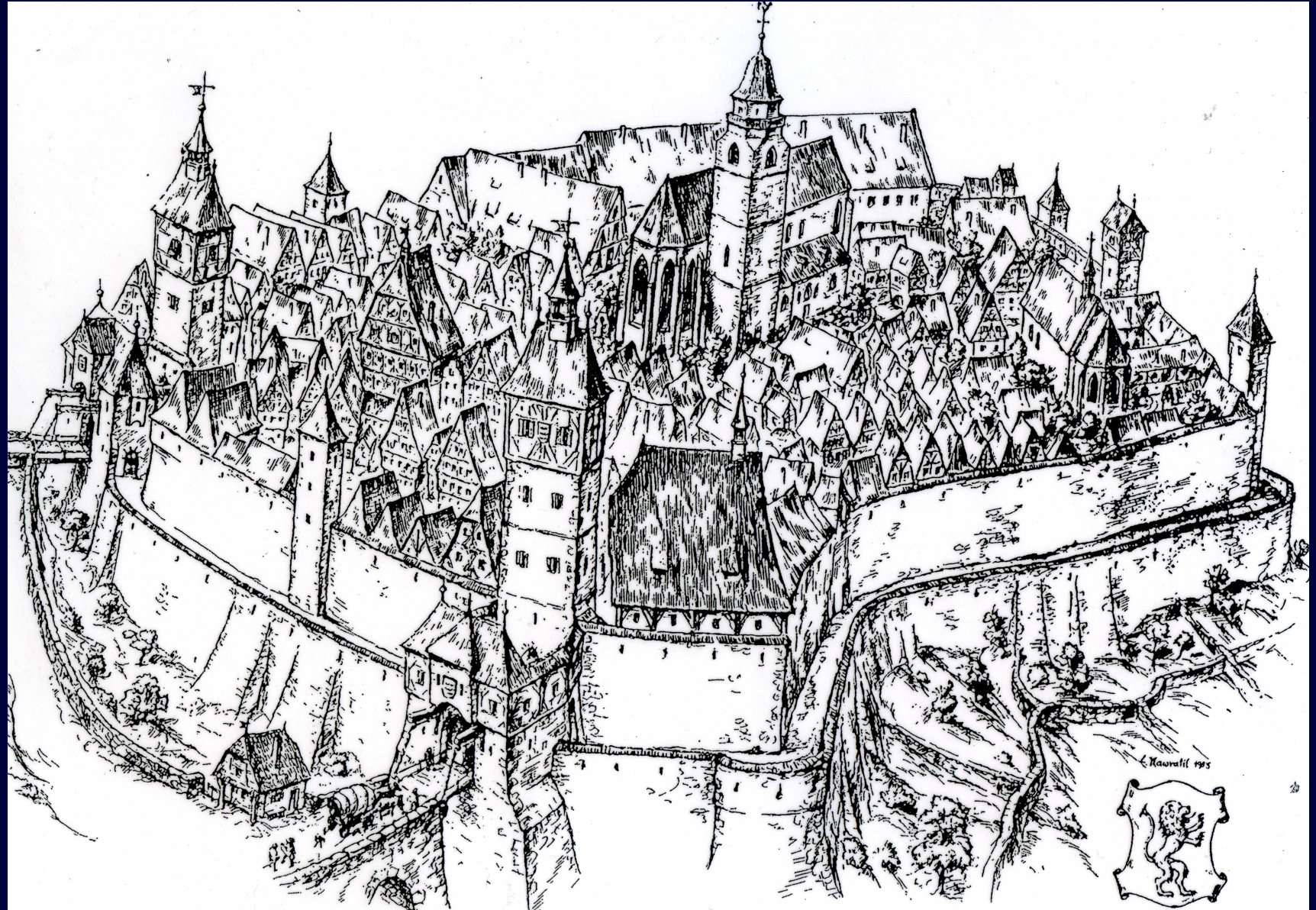




Leonberg.



Leonberg, then
in the German
duchy of
Württemberg





*Ecce Mathematicum KEPLERUM Cæsaris olim
Eximium, facies cuius in are micat.*

mm4.

Ioannis Keppleri HARMONICES M V N D I

LIBRI V. QVORVM

Primus GEOMETRICVS, De Figurarum Regularium, quæ Proportiones Harmonicas constituunt, ortu & demonstrationibus.
 Secundus ARCHITECTONICVS, seu ex GEOMETRIA FIGVRATA, De Figurarum Regularium Congruentia in plano vel solido:
 Tertius propriè HARMONICVS, De Proportionum Harmonicarum ortu ex Figuris: deque Naturâ & Differentiis rerum ad cantum pertinentium, contra Veteres:
 Quartus METAPHYSICVS, PSYCHOLOGICVS & ASTROLOGICVS, De Harmoniarum mentali Essentiâ earumque generibus in Mundo: præsertim de Harmonia radiorum, ex corporibus celestibus in Teriam descendentibus, eiusque effectû in Natura seu Anima sublunari & Humana:
 Quintus ASTRONOMICVS & METAPHYSICVS, De Harmoniis absolutissimis motuum celestium, ortuque Eccentricitatum ex proportionibus Harmonicis.
 Appendix habet comparisonem huius Operis cum Harmonices Cl. Ptolemæi libro III. cumque Roberti de Fluctibus, dicti Flud. Medici Oxoniensis speculationibus Harmonicis, operi de Macrocosmo & Microcosmo insertis.



Cum S. C. M^{te}. Privilegio ad annos XV.

Lincii Austriæ,

Sumptibus GODOFREDI TAMPACHII Bibl. Francof.
Excudebat IOANNES PLANCVS.

ANNO M. DC. XIX.

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 3. 34. 28
 1. 40. 46
 5. 15. 20
 1. 40. 41
 3. 55. 50
 1. 40. 30
 8. 20. 32
 11. 1. 40. 30
 11. 10. 17. 12
 1. 40. 24
 11. 11. 57. 20
 1. 40. 18

10. 19. 8. 41
 1. 41. 35
 10. 17. 27
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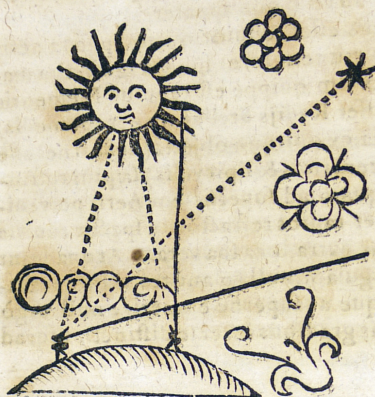
33. 20
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8. 41. 6
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paret, Nam hæc impuritas ætheri commixta, diei noctem infert, nocti diem.

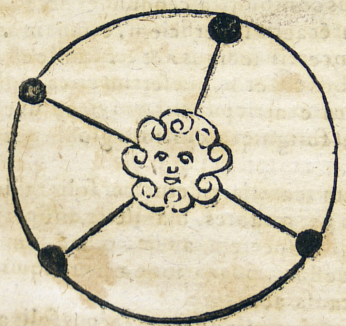
1. Interdum enim obsidet solem materia fuliginosa,



obtundens solis radios; ut anno cædis Cæsaris peritoto; sic anno Chr 1547. cum quadriduo toto sanguineus solis vultus apparuit, non in uno solum loco, sed per totam Europam.

Si hæc materia fuisset humilis & in aere seu velum obtentum soli, non impedivisset radios solis tam latè, nec nisi in uno aliquo loci: si dixeris,

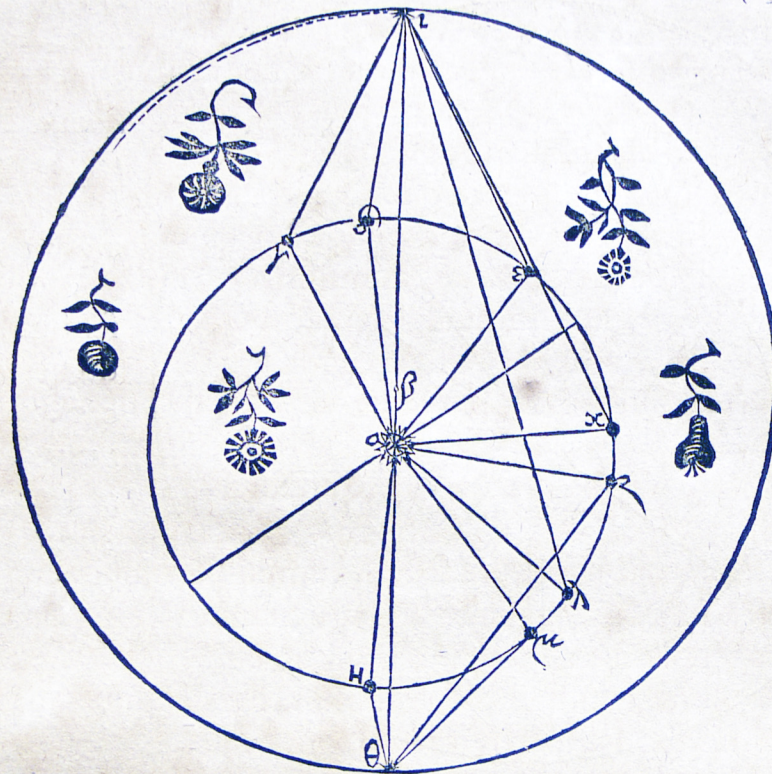
humilem fuisse, sed latissimè terris super inductam, ut hic tingeret solem una sui parte, alibi alia: tunc debuisset etiam tegere stellas, longè à sole distantes: at hoc non



est factum, legimus enim, stellas de die emicuisse. Ergo materia fuit proximè circa solem, adeoque illi adhærens, ut durare per annum potuerit hæc obtebratio, sic ut solem undiq; circumdaret, ut is ex nulla cœli plaga, quam occupabat terra quovis anni tem-

pore posset sine impedimento ad spici.

2. Rur-



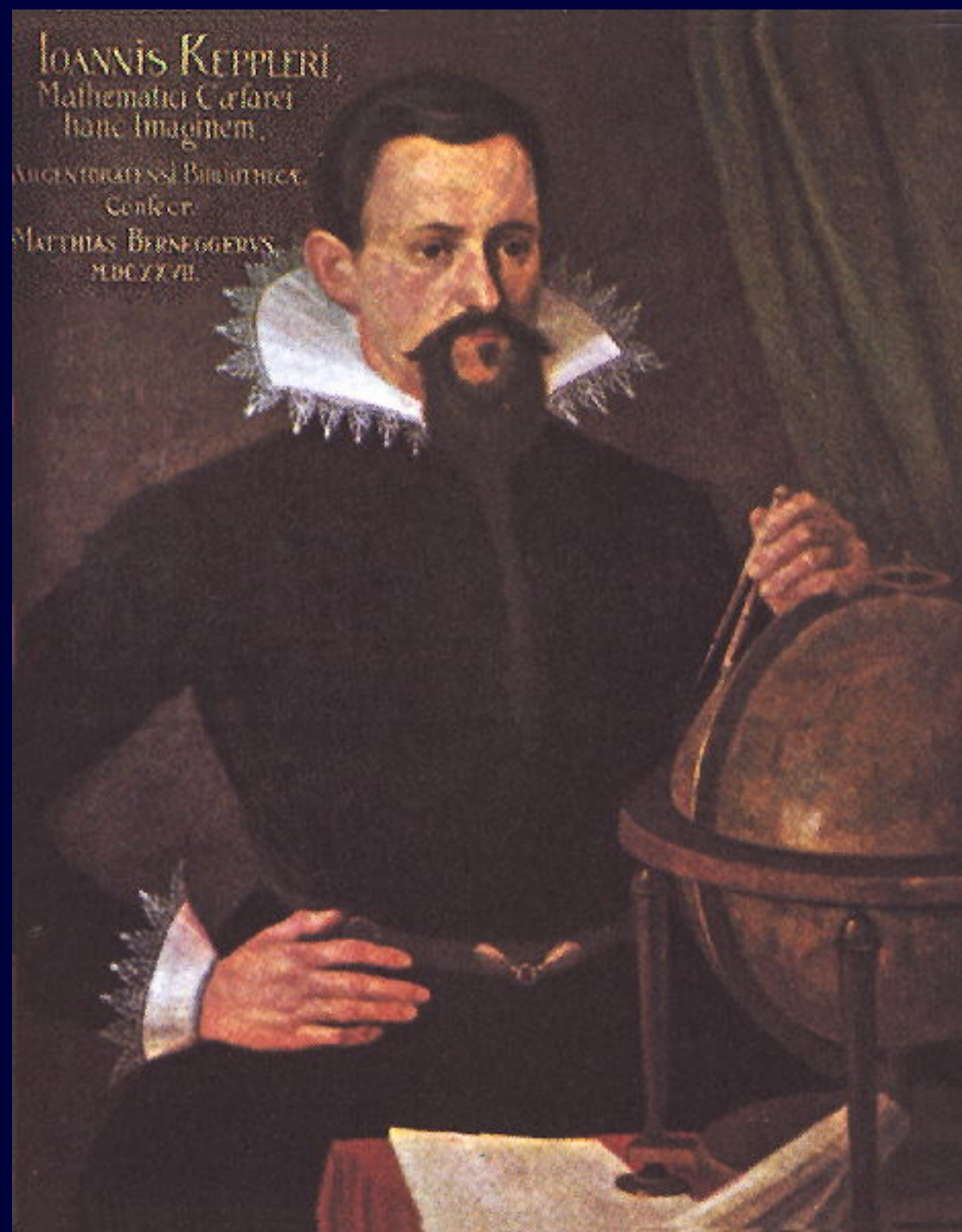
tertium commune in omnibus triangulis, nempe latus $\alpha\iota$, unum nempe quaesitorum, & per hoc latus inquiram angulos ad ι , qui si lineam $\alpha\iota$ in eundem zodiaci locum statuent (nisi quatenus ob præcessionem æquinoctiorum is insequentibus temporibus est promotior). ex eo intellecturus sum, assumptum $\alpha\iota$ bene habere.

Methodi ratio hæc, quod ut $\alpha\iota$ ad angulos $\delta.\epsilon.\kappa.\lambda.\gamma$. sic $\alpha\delta.\alpha\epsilon.\alpha\kappa.\alpha\lambda.\alpha\gamma$. ad angulos ι .

$\gamma\alpha 26.31.36''$	$\delta\alpha 9.22.37''$	$\epsilon\alpha 25.21.16''$	$\kappa\alpha 10.55.8''$	$\lambda\alpha 26.58.46''$
$\gamma\iota 29.18.30''$	$\delta\iota 15.12.30''$	$\epsilon\iota 2.8.30''$	$\kappa\iota 2.35.40''$	$\lambda\iota 20.13.30''$
$\alpha\gamma 122.46.54$	$\alpha\delta 155.49.53$	$\alpha\epsilon 113.12.46$	$\alpha\kappa 68.19.28$	$\alpha\lambda 36.45.16$

Horum sinus in distantias SOLIS & TERRÆ multiplicati, & per assumptam distantiam $\alpha\iota 166700$ divisi, produnt sinus angulorum. qui additi ad visio-

Johannes Kepler, Imperial
Mathematician
1571-1630









HEXENTURM
Im Unterbau aus der Zeit nach
der Stadtgründung um 1180.
Im 15. Jahrhundert erbaut.
Einer der Hexentürme
der Reichstadt.

[illegible]

Mitt

[illegible]

Ele dato 26 Nov: 1617

Rot 1. Zu Sagen. Meran,
unserer Ehre und Gnade.

Levin abwaschen soll; in
 Kropfen fort gesehen, und
 2 Stells; für von flüßte;
 auflegen und Kronezeit
 an 2 flüßte; Confectionen
 2 bis 3 mal am Tag
 einnehmen; für aber abge-

[illegible]

