

THREE HEROES
ARCHIMEDES, HYPATIA, BOETHIUS
by SCOTT CROSBY

NOTES: CHARCON.SCOTTCROSBY.INFO

BIO: WWW.SCOTTSCHOICE.COM

**NOTE AVAILABLE NAVIGATION MENUS
TO OTHER WEBPAGES.**

THESE ARE THE HEROES THAT SHOULD HAVE BEEN.

THESE WERE VOICES DROWNED BY THE RISING TIDE OF EVENTS BEYOND THEIR CONTROL.

THESE WERE PEOPLE WHO STOOD THEIR GROUND TO THE LAST INSTANT OF THEIR LIVES,
FIGHTING IGNORANCE, DECLINE, DESTRUCTION, AND BARBARISM
WITH ONLY A HOPE FOR A BETTER FUTURE THEY KNEW THEY WOULD NEVER SEE.

THEY WERE NOT ANGELS; THEY WERE HUMAN BEINGS. THEY MADE MISTAKES.
BUT THEY NEVER, EVER, QUIT. THEY NEVER GAVE UP.

THEY DID NOT MAKE THE WORLD ANY BETTER. BUT IN THE END, THEY DID.

INTEGRITY WON.

THEY FAILED – AND EVEN IN VIOLENT DEATH, THEY SUCCEEDED.

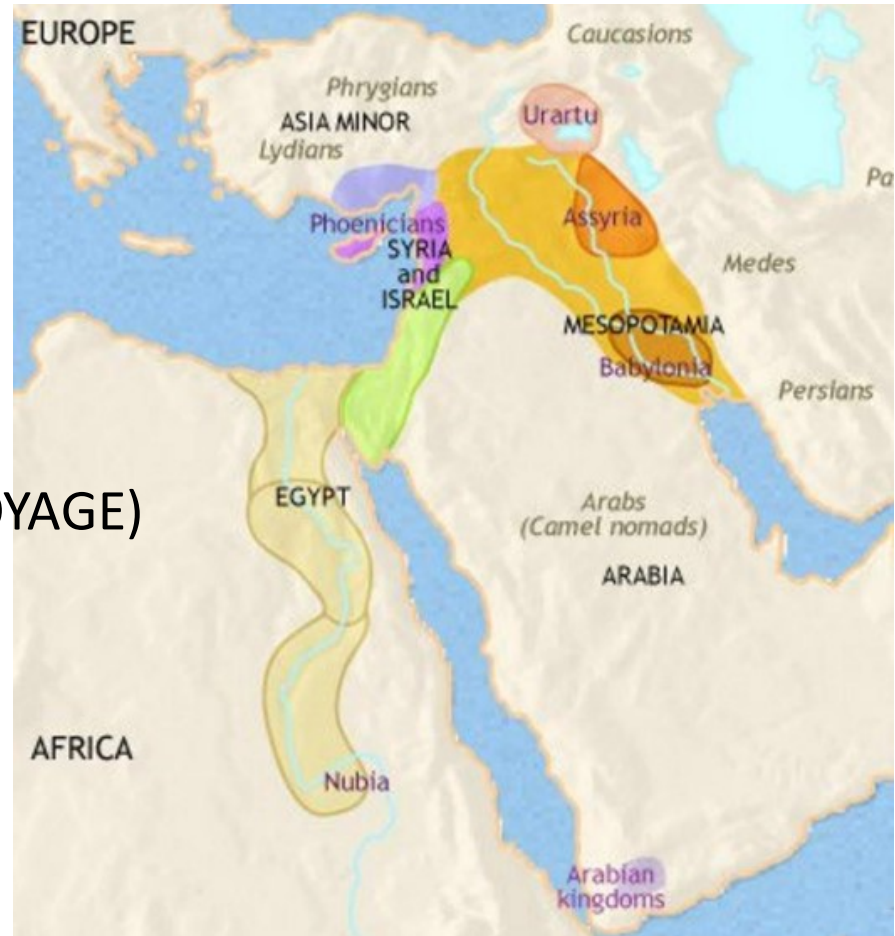
THE DEATH OF EACH SIGNALLED THE END OF A GREATER AGE,
AND THE BEGINNING OF A NEW, LESSER ONE.

BUT THEN, ONE DAY, AGAINST ALL ODDS,
AGAINST THE GODS THEMSELVES AND ALL THEIR VILLAINS AND ALL THEIR MINIONS,
THE HEIRS OF THESE HEROES BUILT A REBIRTH BEYOND ALL DREAMS AND IMAGINATION.

WORLD HISTORY BEGINS HERE

THE FIRST EMPIRES – and MERCHANTS

- NORTHEAST
SUMER ASSYRIA BABYLON
HITTITES BABYLON again
- SOUTHWEST – EGYPT
- PHOENICIA – 1200-800 BC
SEA-FARING MERCHANTS
FIRST ALPHABET
TRADE WITH EGYPT (RE 600 VOYAGE)
TRADE, COLONIZATION
AFRICA, EUROPE, BLACK SEA
- GREECE – 700-400 BC
SEA-FARING
COLONIZED ITALY (700)
MARSEILLES, FRANCE (600)
- ALEXANDER “THE GREAT” 335-332 BC



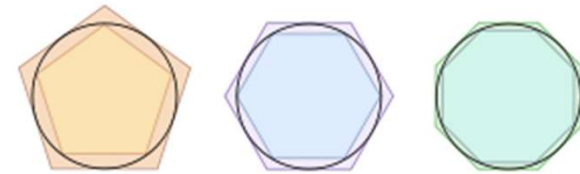
PHOENICIANS vs. GREEKS and a NEWCOMER



- CARTHAGE FOUNDED 814 BC
- PHOENICIAN, GREEK COLONIES – ANTAGONISTS ON SICILY 200s BC
- ROMAN REPUBLIC 509-27 BC
EMPIRE 27 BC TO 330 / 395 / 402 / 410 / 476 / 1205 / 1453 / 1799
- ROME – CARTHAGE TREATY
ALLIES, DISTRUST, WARS
- ROME SURVIVAL and SUCCESS
REQUIRED WARRIOR ETHOS
- INTERCEDED IN SICILY IN
CARTHAGE-GREEK WAR
SECOND PUNIC WAR 218-201 BC
- ARCHIMEDES – 287-212 BC
GREEK – SYRACUSE, SICILY

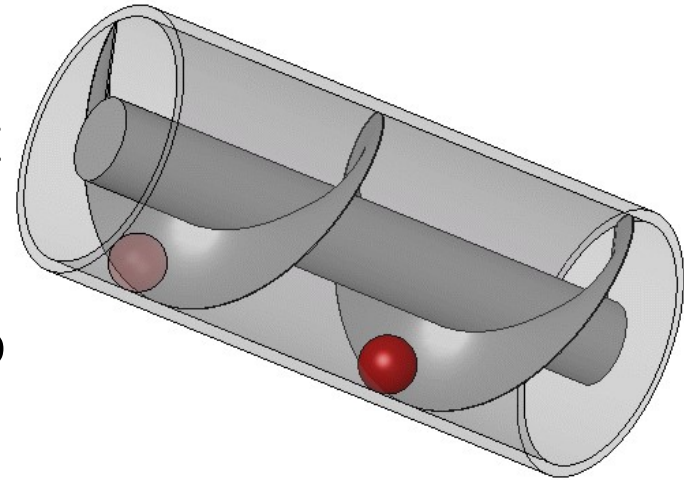
ARCHIMEDES – MATHEMATICIAN, PHYSICIST, ENGINEER, INVENTOR

ANTICIPATED (OR CREATED?) MODERN CALCULUS
AND ANALYSIS BY APPLYING THE CONCEPT OF
THE INFINITELY SMALL AND THE METHOD OF
EXHAUSTION.



CREATED THE MATH OF INFINITE SERIES.

HOW TO CALCULATE THE AREA OF A CIRCLE, THE
SURFACE AREA AND VOLUME OF A SPHERE, THE
AREA OF AN ELLIPSE, AND MORE.



FOUNDED HYDROSTATICS AND STATICS –APPLIED
MATHEMATICS TO PHYSICAL PHENOMENA.

WAR MACHINES - IMPROVED CATAPULTS, CRANE-
LIKE MACHINES THAT COULD SWING AROUND IN
AN ARC, STONE-THROWERS CAUSED LARGE
ROMAN LOSSES.

KILLED BY A ROMAN SOLDIER 212 BC.



ORRERY

ARCHIMEDES DIRECTING ANTIKYTHERA SYRACUSE DEFENSE



THE LAST PHILOSOPHER AND THE END OF THE CLASSICAL ERA



ROMAN EMPIRE IN 400

CAPITAL FROM ROME TO CONSTANTINOPLE 330
(CONTROL OF COMMERCE IN RICHER EAST)

SPLIT INTO EAST AND WEST EMPIRES 395

WEST'S CAPITAL – ROME 395-402
RAVENNA 402-476

ROME SACKED **410**, AGAIN IN 455
END OF WESTERN EMPIRE 476

HYPATIA – 360-415

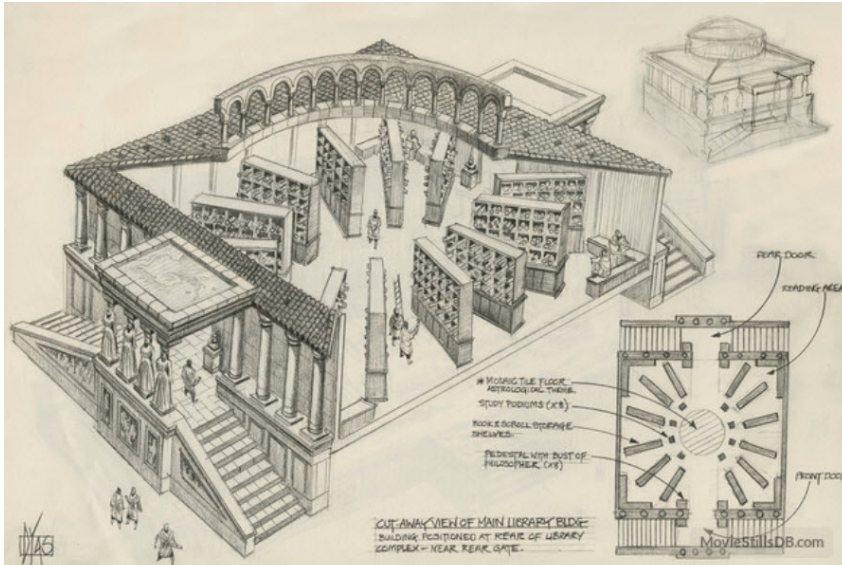
EMINENT ASTRONOMER,
MATHEMATICIAN, PHILOSOPHER
IN GREEK-SPEAKING ALEXANDRIA, EGYPT
GRECO-ROMAN WORLD'S LEADING
CENTER OF PHILOSOPHY vs. ATHENS
SUCCEEDED HER FATHER **THEON** AS
DIRECTOR OF THE MOUSEION ACADEMY;
TAUGHT NEOPLATONIST PHILOSOPHY.

DEATH OF HYPATIA

BRUTALLY MURDERED BY CHRISTIAN MOB
POSSIBLY INCITED BY THE CHRISTIAN
PATRIARCH CYRIL? – PROBABLY NOT FOR
HER PAGANISM BUT FOR SUPPORTING
THE PREFECT ORESTES AGAINST CYRIL.

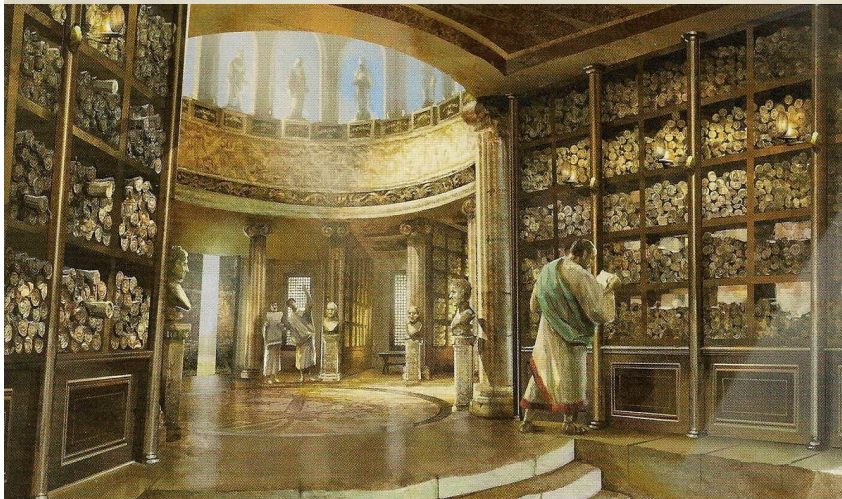
THE LAST PHILOSOPHER'S LAST DAYS

FROM THE MOVIE “**AGORA**”



SEVERAL SCENARIOS OF HER DEATH
AT THE HANDS OF THE CHRISTIAN MOB:

- STRANGLED
- SKINNED ALIVE AND DRAGGED THROUGH STREETS
- BEATEN, KILLED, AND DISMEMBERED



SAVING THE PAST FOR THE FUTURE



500 AD
NO WESTERN EMPIRE
OSTROGOTH RULER
THEODORIC THE GREAT
RULED FROM RAVENNA

BOETHIUS 477-524

LIVED IN RAVENNA
WORKED FOR THEODORIC
ROMAN SENATOR, CONSUL,
MAGISTER OFFICIORUM
KNOWLEDGE OF ARISTOTLE'S
WORKS HAD BEEN VIRTUALLY
ABSENT IN THE EUROPEAN
(LATIN) PART OF THE ROMAN
EMPIRE, AND DID NOT
SURVIVE ROME'S FALL IN 476.

BOETHIUS WAS FLUENT IN
GREEK, AN INCREASINGLY
RARE SKILL IN THE WEST
AT THAT TIME.

BOETHIUS' LEGACY

BOETHIUS TRANSLATED WORKS OF PLATO AND ARISTOTLE FROM GREEK INTO LATIN, BECOMING EUROPE'S PRIMARY INTERMEDIARY BETWEEN CLASSICAL GREECE AND ROME PRIOR TO 500 AND EUROPE'S DARK AGES.

THE OTHER WORKS OF ARISTOTLE AND THE OTHER GREEKS WERE THOUGHT TO BE LOST.

HELD BY BYZANTINES TO 1453
AND MOSLEMS 800-1258
(BROUGHT TO EUROPE IN 1200s)

THE ONLY WORKS OF **ARISTOTLE** KNOWN AND TAUGHT IN EUROPE DURING ITS DARK AGES (476-1200s) WERE THOSE TRANSLATED FROM THE GREEK INTO LATIN BY BOETHIUS:

CATEGORIES (17 pp.),
ON INTERPRETATION (34 pp.),
PRIOR ANALYTICS (57 pp.),
TOPICS (85 pp.), and
SOPHISTICAL REFUTATIONS (29 pp.).

222 PAGES (15.6%) OF 1425 PAGES TOTAL
(IN BRITANNICA GREAT BOOKS).

THE FIGHT FOR SURVIVAL ENDS



IN 520 BOETHIUS WAS WORKING TO RESTORE THE RELATIONSHIP BETWEEN ROME AND CONSTANTINOPLE. VISIGOTH KING THEODORIC, AN ARIAN CHRISTIAN, WAS FEELING THREATENED. THE CATHOLIC HILDERIC HAD BECOME KING OF THE VANDALS AND HAD PUT THEODORIC'S SISTER AMALAFRIDA (WIFE OF THE PRIOR KING) TO DEATH. ARIANS IN THE EAST WERE ALSO BEING PERSECUTED. IN 523 BOETHIUS WAS IMPRISONED FOR TREASON, AND EXECUTED IN 524.

Dark Ages Always End ... If You Learn From History.

300 YEARS LATER

800 – CHARLEMAGNE'S

FALSE RENAISSANCE

QUESTION TO ALL PARENTS:

WHO IS TEACHING YOUR KIDS?

300 YEARS LATER – WHAT CHANGED?

1100 – BRINGING HOME THE GREEKS

HEIRS TO ARCHIMEDES 287 BC - 212 BC

FRANCIS BACON 1561-1626

GALILEO GALILEI 1564-1642

ISAAC NEWTON 1643-1727

INDUSTRIAL REVOLUTION 1760-1820

HEIRS TO HYPATIA 360-415

NICOLAUS COPERNICUS 1473-1543

TYCHO BRAHE 1546-1601

JOHANNES KEPLER 1571-1630

HEIRS TO BOETHIUS

477-524

THOMAS AQUINAS

1225-1774

THE RENAISSANCE

1400s-1600s

HEIRS TO FRANCIS BACON

and ISAAC NEWTON

JOHN LOCKE

1632-1704

HEIRS TO BACON, NEWTON, LOCKE

THOMAS JEFFERSON 1743-1826

JOHN ADAMS 1735-1826

and THE OTHER FOUNDERS

AMERICA'S FOUNDING 1763-1789

HEIRS TO ALL OF THESE: US !!

... IF WE LEARN FROM HISTORY.