

# Research Notes 2/14/2018

□ February 25, 2018 February 25, 2018 □ 1 Minute

## What have the Muslims ever done for us? (Monty Python)

(<https://www.youtube.com/watch?v=55paeW9F9AE> (<https://www.youtube.com/watch?v=55paeW9F9AE>))

- The zero in algebra
  - Arabic numerals
  - The number zero
  - Algebra
  - Trigonometry
- 
- The pendulum
  - Mechanical watches
  - Clocks
- 
- Perfume soap
  - The toothbrush
  - Toothpaste
  - Toiletries
- 
- Baths
  - Swimming pools
- 
- Sherbet soft drinks
  - Chewing gum

- Astrolabes
- Proving the Earth is round
- Calculating its circumference
- Astronomical lenses
- Quadrants and celestial planisphere

- Telescopes
- Mariners compasses
- Pinhole cameras
- Crystal eyeglasses

- Interrogation
- Medicine
- Education

- Distillation of perfumes
- Chemicals
- Paint
- Alcohols

- Crank shafts
- Water screws
- The first paraglider
- Flower grinding windmills

- The pointed Arch
- Domes
- High-rise architecture

- Surgery
- Inoculations
- Medicines
- Disease containment
- Anesthetics
- Stitches
- Medical reference books

- Fountain pens
  - Modern paper production
- 
- Colorful quilting
  - Patterned carpets
- 
- Gunpowder
  - Cannons
  - Torpedoes
- 
- Fertilizers
  - Modern agriculture
  - Irrigation
- 
- Breeding of livestock
  - Cross fertilization of crops and fruits and flower gardens
- 
- Braille writing
  - Universities
  - Libraries
  - Hospitals
- 
- Oil
  - Coffee
- 
- Pure monotheism

**Rise and fall of Islam's golden age (3:41):**

<https://www.youtube.com/watch?v=FFfXDZvvmrg> (<https://www.youtube.com/watch?v=FFfXDZvvmrg>)

**BBC documentary:**

<https://www.youtube.com/watch?v=vMDjF64mGLw> (<https://www.youtube.com/watch?v=vMDjF64mGLw>)

