

# The Water That Was Rome

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<http://engineeringworks.tamu.edu/2010/12/>

# Outline

- History
- Aqueducts
- Marvels of Rome
- Summary

# History

- Location
- Currently largest city in Italy
- Roman Empire



<http://en.wikipedia.org/wiki/ROME>

# Roman Aqueducts

| Aqueduct         | Date         | Builder                                 |
|------------------|--------------|---|
| Aqua Appia       | 312 BC       | Appius Claudius Caecus                  |
| Aqua Anio Vetus  | 272 - 269 BC | Fulvius Flaccus                         |
| Aqua Marcia      | 144 - 140 BC | Q. Marcius Rex                          |
| Aqua Tepula      | 126 BC       | G. Servilius Caepio L. Cassius Longinus |
| Aqua Julia       | 33 BC        | Marcus Agrippa                          |
| Aqua Virgo       | 19 BC        | Marcus Agrippa                          |
| Aqua Alsietina   | 2 BC         | Augustus                                |
| Aqua Claudia     | 38 - 52 AD   | Caligula and Claudius                   |
| Aqua Anio Novus  | 38 - 52 AD   | Caligula and Claudius                   |
| Aqua Traiana     | 103 AD       | Trajan                                  |
| Aqua Alexandrina | 226 AD       | Alexander Severus                       |

# Roman Population

- The largest population was 1 million people
- Could supply 264 gallons of water per person per day
- The average American uses 150 gallons of water per day
- The average Englishman uses 31 gallons of water
- The average Ethiopian uses 3 gallons of water



[http://www.earth-photography.com/Countries/Italy/Italy\\_Rome\\_Fountain.html](http://www.earth-photography.com/Countries/Italy/Italy_Rome_Fountain.html)

# Other Architecture of Rome

- The Colosseum
  - “Flavian Amphitheater”
  - Dimensions and capacity
  - Uses: gladiators, animals, and sea battles
  - Hypogeum



<http://www.hotelrome.net/hotels/2006/10/exhibitions-in-rome-iliad-in-the-colosseum/>

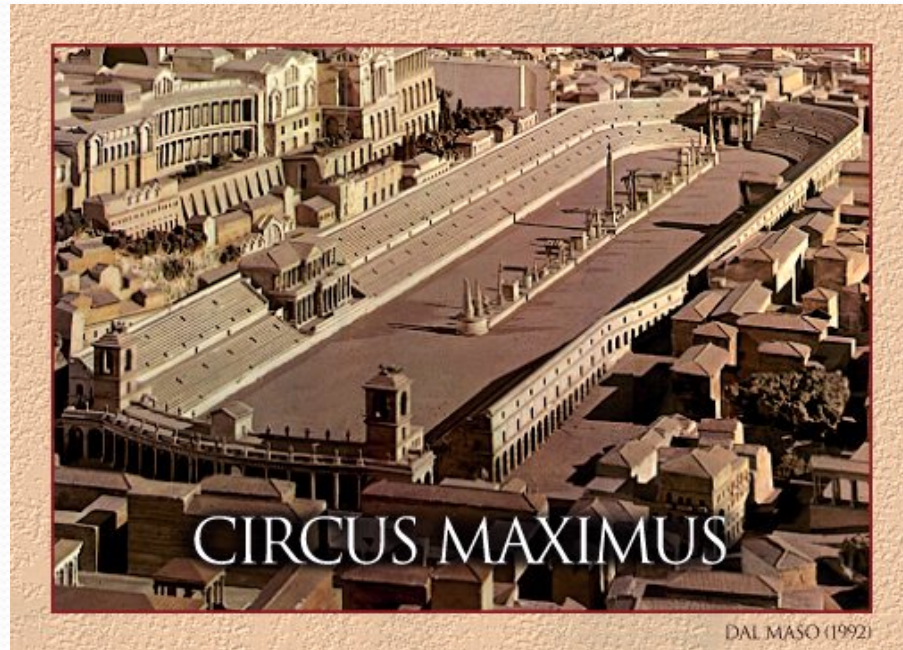


<http://thundafunda.com/33/World-tour/Colosseum,%20Rome,%20Italy%20pictures.html>



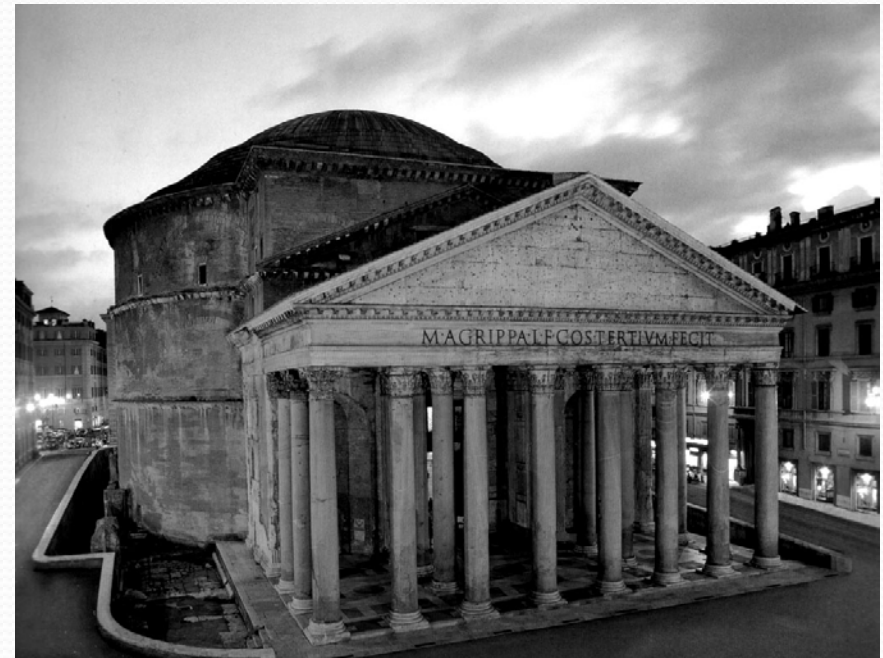
# Other Architecture of Rome

- Circus Maximus
  - Chariot racing
  - Size and capacity



<http://persweb.wabash.edu/facstaff/royaltyr/AncientCities/web/bradleyj/Project%201/Circusmaximus.html>

- Pantheon
  - “Gift to all gods”
  - Dome: 43m (142 ft.) diameter
  - Amount of concrete and granite used



<http://www.valenciastonesarasota.com/stonehistory.html>



# Summary

- Technologically advanced
- Buildings/Inventions last a long time
- Motives behind large-scale projects
- Marvel of Roman Empire



Questions?



# References

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