

Further Reading List for the London Lecture: Space rocks, rockets and robots - Exploring our Solar System today and tomorrow

Dr Caroline Smith – Natural History Museum

Wednesday 12 April 2017

The reading list can be found at <http://www.geolsoc.org.uk/SolarSystem17>

Popular Articles and Resources

Background

- a. NASA: Our Solar System: In Depth
<https://solarsystem.nasa.gov/planets/solarsystem/indepth>
- b. BBC Science: Space Missions
http://www.bbc.co.uk/science/space/solarsystem/space_missions
- c. Scientific American: Evolution of Earth
<https://www.scientificamerican.com/article/evolution-of-earth/>
- d. The Geological Society London Lecture: Water on Mars
<http://www.geolsoc.org.uk/LLwateronmars>

Meteorites and asteroids

- a. National Geographic: Meteorites
<http://www.nationalgeographic.org/encyclopedia/meteorite/>
- b. Natural History Museum: Meteorites Collection
<http://www.nhm.ac.uk/our-science/collections/mineralogy-collections/meteorites-collection.html>
- c. The Guardian: Martian meteorite contains pockets of the red planet's atmosphere
<https://www.theguardian.com/science/2012/feb/08/natural-history-museum-martian-meteorite>
- d. BBC News: Hunt for Antarctica's 'missing meteorites'
<http://www.bbc.co.uk/news/science-environment-38805430>
- e. NASA: Asteroids: In Depth
<https://solarsystem.nasa.gov/planets/asteroids/indepth>
- f. New Scientist: Backwards asteroid shares an orbit with Jupiter without crashing
<https://www.newscientist.com/article/2126301-backwards-asteroid-shares-an-orbit-with-jupiter-without-crashing/>

Current and future sample return missions

- a. NASA: OSIRIS-Rex - Asteroid Sample Return Mission
https://www.nasa.gov/sites/default/files/atoms/files/osiris-rex_press_kit.pdf

- b. ESA: Robotic Exploration of Mars – The ExoMars Programme 2016-2020
<http://exploration.esa.int/mars/46048-programme-overview/>
- c. ESA: ExoMars – Final Two ExoMars Landing Sites Chosen
http://www.esa.int/Our_Activities/Space_Science/ExoMars/Final_two_ExoMars_landing_sites_chosen
- d. Japan Aerospace Exploration Agency: Asteroid Explorer "Hayabusa2"
<http://global.jaxa.jp/projects/sat/hayabusa2/>

Books and journal articles

Smith, Caroline, Russell, Sara, & Benedix, Gretchen. *Meteorites*. Firefly Books Limited. 2009

Available at: <http://www.nhmshop.co.uk/meteorites.html>

Meltzer, Michael. *When biospheres collide: A history of NASA's planetary protection programs*. NASA Aeronautics and Space Administration, 2010.

E-book free to download at:

https://www.nasa.gov/connect/ebooks/when_biospheres_collide_detail.html