

Further Reading List for Shell London Lecture: 'Life at deep sea hydrothermal vents: biodiversity in a new resource frontier', Dr Adrian Glover, Natural History Museum

Wednesday 3 July

This reading list can also be found at <http://www.geolsoc.org.uk/hydrothermal>

1. The Oceanography Society – Biodiversity and Biogeography of Hydrothermal Vent Species
http://www.tos.org/oceanography/archive/20-1_ramirez_llodra.pdf
2. WWF - Deep Sea Ecology: hydrothermal vents and cold seeps
http://wwf.panda.org/about_our_earth/blue_planet/deep_sea/vents_seeps/
3. IN-DEEP International network for Scientific investigation of deep-sea ecosystems
<http://www.indeep-project.org/>
4. BBC News – Deep sea mining 'gold rush' moves closer
<http://www.bbc.co.uk/news/science-environment-22546875>
5. New Scientist - Deep-sea mining struggles to manage ecological impact
<http://www.newscientist.com/article/dn23293-deepsea-mining-struggles-to-manage-ecological-impact.html#.UcrjrtiykaY>
6. Mining.com – Is deep sea mining worth the risk?
<http://www.mining.com/infographic-is-deep-sea-mining-worth-the-risk-45702/>
7. National Geographic Daily News – Deepest Volcanic Sea Vents Found; "Like Another World"
(with video link)
<http://news.nationalgeographic.co.uk/news/2010/04/100412-worlds-deepest-undersea-volcanic-vents-hydrothermal/>
8. Sea Technology Magazine – Exploring Ultradeep Hydrothermal Vents in the Cayman Trough by ROV
http://www.sea-technology.com/features/2012/0912/hydrothermal_vents.php
9. BBC News – Deepest undersea vents discovered by UK
<http://www.bbc.co.uk/news/science-environment-21520404>
10. BBC News – Cayman vents are world's hottest
<http://www.bbc.co.uk/news/science-environment-16493787>

Discovery

Degens & Ross, 1969 Hot brines and recent heavy metal deposits in the Red Sea-geochemical and geophysical account. Springer-Verlag, New York

Ballard, 1977 Notes on a Major Oceanographic Find. *Oceanus* v. 20

Corliss et al. 1979 Submarine Thermal Springs on the Galapagos Rift. *Science* v.203

<http://www.whoi.edu> (Woods Hole Oceanographic Institution)

Biodiversity

Cavanaugh et al 1981 Prokaryotic cells in the hydrothermal vent tube worm *Riftia pachyptila* Jones: possible chemoautotrophic symbionts. *Science* v.213

Hilário et al 2011 New perspectives on the ecology and evolution of siboglinid tubeworms. *PLoS One* v.6

Southward, 1971 Recent Researches on the Pogonophora. *Oceanography and Marine Biology: an Annual Review*. v.9

McHugh et al. 1997 Molecular evidence that echiurans and pogonophorans are derived annelids. *Proceedings of the National Academy of Sciences, USA*. v.94

Glover et al 2005 World-wide whale worms? A new species of *Osedax* from the shallow north Atlantic. *Proceedings of the Royal Society B*. v.272

Van Dover, 2000. *The ecology of deep-sea hydrothermal vents*. Princeton University Press.

Related Ecosystems

Smith and Baco, 2003 Ecology of whale-falls at the deep-sea floor. *Oceanography and Marine Biology: an Annual Review*.

Levin 2005 Ecology of cold-seep sediments: interactions of fauna with flow, chemistry and microbes. *Oceanography and Marine Biology: an Annual Review*.

Connectivity

Plouviez et al 2009 Comparative phylogeography among hydrothermal vent species along the East Pacific Rise reveals vicariant processes and population expansion in the South. *Molecular Ecology* v.18

Rogers et al 2012 The Discovery of New Deep-Sea Hydrothermal Vent Communities in the Southern Ocean and Implications for Biogeography. *PLoS Biology* v.10

Connelly et al 2012 Hydrothermal vent fields and chemosynthetic biota on the world's deepest seafloor spreading centre. *Nature Communications* v.3

Mining

<http://www.nautilusminerals.com/s/Investors-Financials.asp>

[go to technical reports section]

<http://www.isa.org.jm>

International Seabed Authority - technical reports, documents, proceedings