

GEOL 1122 Walker notes

READINGS: Chap. 7 is your evolution chapter! Chap. 3 is your diversity of life (background for lecture 5).

Notes Week 7: Last week (Sept. 22-Sept. 26) we finished Lecture 4 (Rocks and Minerals). We then started Lecture 5 (Evolution). Lecture 5 introduces Alfred Russel Wallace and Charles Darwin, and their scientific discoveries concerning evolution and the variation of species. They dared to question the "fixity of the species" concept stemming from Aristotle and Linnaeus.

A great read on Wallace and Darwin is David Quammen's *The Song of the Dodo*. Takes you right into the field with these men, malaria, chagas disease, and all (more in depth than "forehead mites"!). What a book!

If you want to read about *forehead mites (also known as "Follicle mites")*, or better yet, see your own, check out these websites:

http://skindisease.suite101.com/article.cfm/demodex_spp_face_mites

<http://members.ozemail.com.au/~macinnis@ozemail.com.au/scifun/micrscop.htm>

Monday, September 29. Lecture 5 is almost done, so after we finish the tenets of natural selection, we'll move on to Lecture 6 where we will discuss the evidence for evolution (pp. 154-155); Evolution of the Georgia Bulldog (wolf!WOOF!wolf!); gradualism and Punctuated Equilibrium (pp. 170-174).

Wednesday, October 1. We'll finish Lecture 6. I was fortunate to get you up to the midpoint of the class, and now I hand you back to Dr. Marta Patino-Douce to take you through the rest of the semester. *Now, if you have any questions at all, I will be in email contact, so consider me when you may need a "tutor" or would like to ask questions about Antarctica!* My email is: swalker@gly.uga.edu. Alternatively, you can try my travel email if you don't get a response from the gly.uga.edu email: coenobichnus@yahoo.com. *Coenobichnus* is a trace fossil we named for the first fossil trackway of a land hermit crab; "*Coenob*" is short for the genus name, *Coenobita*, the only land hermit crab in the Bahamas, and "*-ichnus*" means "trace" as in trace fossil. I figured no one had that name at Yahoo! I almost forgot, Windows of the Universe will be posting my postcards from Antarctica. If you want to follow what I am up to, please see the link "postcards" off my website under the bold Antarctica heading.

Friday, October 3. Exam 2. Your last exam was Sept. 12, so we try to space the exams three weeks apart for your benefit because they cover fewer lectures. It may seem like you just had an exam, but not really!

Exam 2 will cover the following: questions from Exam 1 (sans the "geocube"); radioactive decay; transgressions/regressions; Walther's Law; reading a stratigraphic column (don't forget unconformities!); rocks and minerals (lecture 4); and the evolution lectures: Lecture 5 and 6 (remember, we only test on what we cover on the Monday before the test). The format is similar, except this time there will not be slides. Eleanor and Marta will be here, but I'll be up about 37000 feet near New Zealand, so if you want to email me about the test, please do it before Thursday! I'll be making up the exam for you, plus the dreaded scantron answer sheet:(Marta will have everything I have given you, and we'll both be in email contact to make sure the transition is smooth. I really enjoyed working with you this semester, and I hope I see you again; please keep in touch!