

Reading assignments O'Connell and Hager (24/02/1998)

The following papers will be discussed on Tuesday, March 3, (N.B. Everyone should read the 1st & 3rd and skim the 2nd.)

Davies, G. F., and M. A. Richards, Mantle Convection, *J. Geol.*, 100, 151 - 206, 1992. [A good general reference - we will discuss only pp 151- 164 next week - the rest will be discussed later.]

Parsons, B., and J. G. Sclater, An analysis of the variation of ocean floor bathymetry and heat flow with age, *JGR*, 82, 803 - 827, 1977.

Stein, S., and C. A. Stein, Sea-Floor depth and the Lake Wobegon effect, *Science*, 275, 1613 - 1614, 1997.

Group 1:

- Stein, C. A., and S. Stein, A model for the global variation in oceanic depth and heat flow with lithospheric age, *Nature*, 359, 123 - 129, 1992.

Group 2:

- Marty, J. C., and A. Cazenave, Regional variations in subsidence rate of oceanic plates: a global analysis, *EPSL*, 94, 301-315.

Group 3:

- Doin, M. P., and L. Fleitout, Thermal evolution of the oceanic lithosphere: An alternative view, *EPSL*, 142, 121-136, 1996.