

# Reading assignment Van der Hilst (31/03/1998)

Following are three short papers for the presentations. In addition to this, all should read the review paper by Thorne Lay:

Lay, T., The fate of descending slabs, *Annu. Rev. Earth Planet. Sci.* , 22, 33-61, 1994.

**NB. With the exception of the Wick & Richards paper, copies of all paper are in the file holder at my door (Rm 54-514). If you take these to make xeroxes, PLEASE RETURN THEM so that others can use them too!**

## Interaction of slabs with transition zone:

- Van der Hilst, Complex morphology of subducted lithosphere in the mantle beneath the Tonga trench, *Nature*, **374**, 154-157, 1995.

## Topography of 660 km discontinuity:

- Wicks, Jr., C. W, and M. A. Richards, A detailed map of the 660-km discontinuity beneath the Izu-Bonin subduction zone, *Science*, **261**, 1424-1427, 1993.

## Chemical boundary?

- Castle, J., and K. C. Creager, Seismic evidence against a mantle chemical discontinuity near 660 km depth beneath Izu-Bonin *Geophys. Res. Lett.*, **24**, 241-244, 1997.