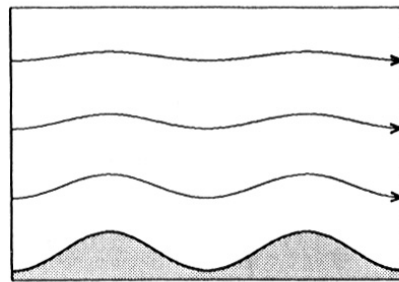
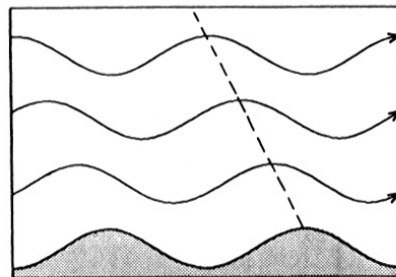


## Gravity waves and adjustment



(a)

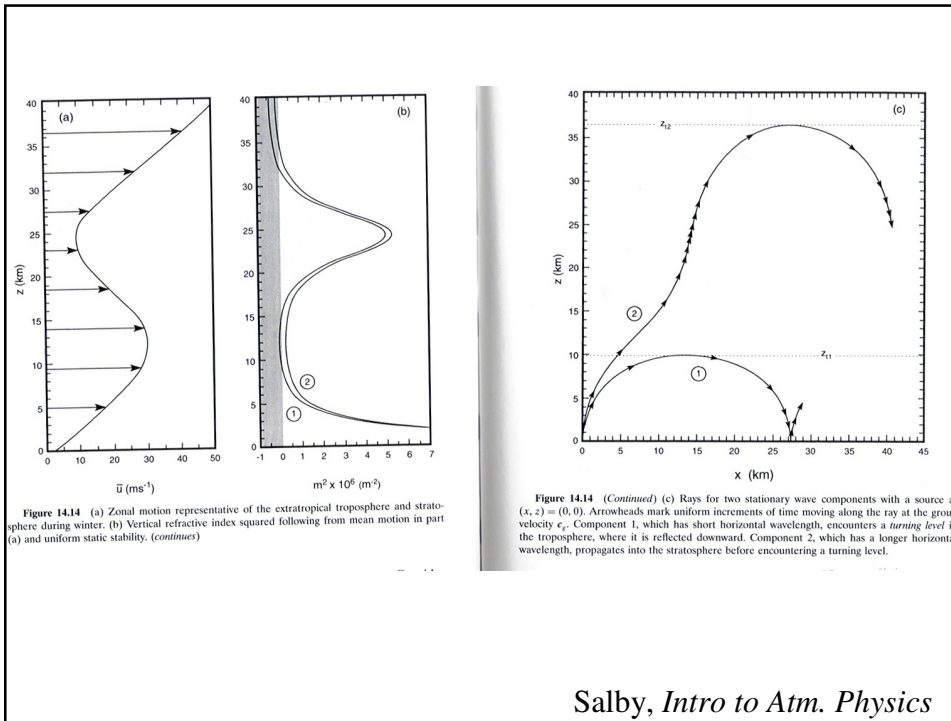
Trapped waves  
("narrow ridges")



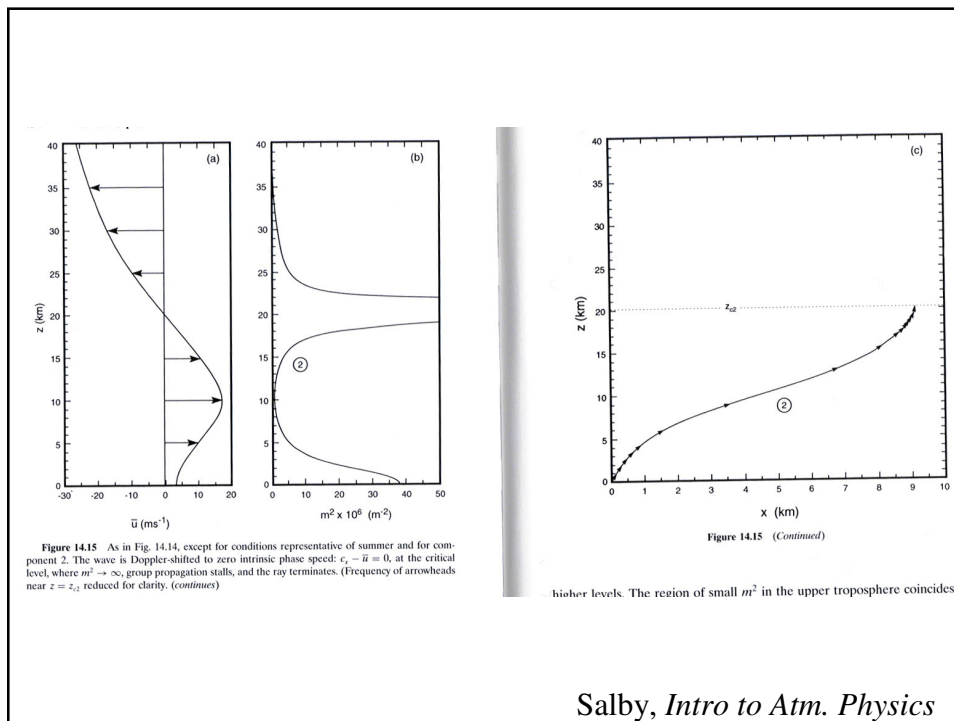
(b)

periodic waves  
("broad ridges")

**fig. 7.10** Streamlines in steady flow over an infinite series of sinusoidal ridges for the narrow ridge case (a) and broad ridge case (b). The dashed line in (b) shows the phase of maximum upward displacement. (After Durran, 1990.)



Salby, *Intro to Atm. Physics*



Salby, *Intro to Atm. Physics*