

	9.4	Turning Depths and Turning Latitudes	271
	9.5	Shear	273
	9.6	Resonant Interactions	275
	9.7	Breaking	276
	9.8	Ocean Fine Structure and Microstructure	279
	9.9	An Inconclusive Discussion	283
	9.10	Conclusion	290
		Notes	290
<b>I O</b>			
<b>Long Waves and Ocean Tides</b>	10.1	Introduction	292
<i>Myrl C. Hendershott</i>	10.2	Astronomical Tide-Generating Forces	293
292	10.3	Laplace's Tidal Equations (LTE) and the Long-Wave Equations	295
	10.4	Long Waves in the Ocean	297
	10.5	The Ocean Surface Tide	317
	10.6	Internal Tides	329
	10.7	Tidal Studies and the Rest of Oceanography	339
<b>I I</b>			
<b>Low-Frequency Variability of the Sea</b>	11.1	Introduction	342
<i>Carl Wunsch</i>	11.2	The Field of Variability of the Ocean	346
342	11.3	Summary and Conclusions	373
<b>I 2</b>			
<b>Some Varieties of Biological Oceanography</b>	12.1	Introduction	376
<i>J. H. Steele</i>	12.2	Space and Time Scales of Variation	377
376	12.3	Ecological Variations	379
	12.4	Discussion	381
<b>I 3</b>			
<b>The Amplitude of Convection</b>	13.1	Introduction	384
<i>Willem V. R. Malkus</i>	13.2	Basic Boussinesq Description	385
384	13.3	Initial Motions	386