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COVER

Artist's reconstruction of the oldest and most primitive whale (Pakicetus inachus) entering an early Eocene epicontinental sea to feed on abundant herrings and other fishes. The skull of Pakicetus, recently discovered in Pakistan, is little modified for hearing under water, and all remains found to date are in fluvial red beds associated with land mammals. Pakicetus provides the first direct evidence of an amphibious stage in the evolutionary transition of whales from land to sea. See page 403. [Watercolor by Karen Klitz, University of Michigan; reconstruction of postcranial skeleton is entirely hypothetical]