



FIGURE 19.6. Differential compaction features. (A) Differential compaction around a small channel fill (arrow), Carboniferous rock of Kentucky. The original channel morphology has been lost. (B) Sand-filled mudcracks folded due to compaction of the adjacent mud. The scale bar is 10 mm long. From Pettijohn and Potter (1964). (C) Lenticular bedding where shapes of sand ripples have been distorted both by differential compaction and by soft-sediment deformation. The scale bar is 5 mm long. (D) Limestone concretions in a laminated dolomitic mudstone, Silurian rock of western New York. Laminae bend over and under the concretions, demonstrating the occurrence of volume reduction in the uncemented mudstone. The scale is in mm. From Demicco and Hardie (1994).