



FIGURE 4.13. (A) A thin-section photomicrograph under plane-polarized light showing a variety of quartz types replacing limestone and cementing the replaced grains. (B) As in (A) under crossed-polarized light. Most of the thin section comprises microquartz, with the arrow pointing to fibrous chalcedony. Width of field in (A) and (B) ~ 1 mm. Both from Adams *et al.* (1984). (C) A grain mount of diatom skeletons. Width of field ~ 0.5 mm. From Scholle and Ulmer-Scholle (2003). (D) A scanning electron photomicrograph of radiolarian shells. Width of field ~ 375 microns. From Scholle and Ulmer-Scholle (2003). AAPG © 2003 reprinted by permission of the AAPG, whose permission is required for further use.