This skull of 90-million-year-old *Carcharodontosaurus saharicus*, reconstructed from fossils found in Morocco, provides new evidence of Africa's isolated dinosaurian fauna. Although it rivals in size the skull of *Tyrannosaurus rex*, the volume of its braincase (205 cubic centimeters) is only half that of *T. rex*, and the estimated volume of its brain (~100 cubic centimeters) is only about one-fifteenth that of an average human's. See page 986 and the Perspective on page 971. (Photo: H. Larsson, D. Christopher, P. Sereno, University of Chicago)