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COVER

Juvenile Alligator mississippiensis, order Crocodilia, the last living reptiles in the subclass Archosauromorpha to which dinosaurs belong. Alligators naturally lack pineal bodies but do have the putative pineal hormone melatonin. The implications of pineal loss but melatonin retention may provide certain clues to pineal function in living and fossil reptiles. See page 548. [Lesley A. Marvel, Science]