

# EVOLUTION





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## WHAT THE FOSSILS SAY AND WHY IT MATTERS

SECOND EDITION

DONALD R. PROTHERO

With Original Illustrations by Carl Buell



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Art: Pages i and xxv: The transitional fossil *Adriosaurus*, which had functional hind limbs but vestigial fore limbs, and a long snake-like body (after A. Palci and M. W. Caldwell, 2007, *Journal of Vertebrate Paleontology* 27:1–7). Page iii: Photograph of the nearly complete articulated skeleton, “fishibian” *tiktaalik*. Courtesy of N. Shubin, University of Chicago, and T. Daeschler, Academy of Natural Sciences, Philadelphia.

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*To my friends and mentors,  
Niles Eldredge and Stephen Jay Gould,  
who transformed both paleontology and evolutionary biology*

