

Contents

<i>Preface and acknowledgments</i>	ix
--	----

1. Drawing things together with paleontological art	1
Renee M. Clary, Gary D. Rosenberg, and Dallas C. Evans	

EARLY CONCEPTIONS

2. Imaging dragons in the Old Testament: Were Leviathan and Behemoth Mesozoic monsters?	9
Robert T. Bakker	

3. The fossilist and his engraver: Samuel Springsguth's illustrations of James Parkinson's Organic Remains	19
Cherry Lewis	

4. Fossil illustrations from the work of William Smith	29
Peter Wigley	

5. The illustrations of Brongniart and Cuvier illuminate paleontology in the early nineteenth century	37
Kennard B. Bork	

6. Henry De la Beche's pioneering paleoecological illustration, Duria antiquior	47
Tom Sharpe and Renee M. Clary	

7. Significance of New Harmony, Indiana, USA, to nineteenth-century paleontological investigations of North America: Progressive education through arts and sciences	55
William S. Elliott Jr.	

8. Franz Unger and plant evolution: Representations of plants through time	67
Larry B. Collins	

9. Eduard Suess on graptolites: His very first scientific paper and illustrations	73
A.M.C. Sengör	

THE ART EXPANDS

10. The influence of scientific knowledge on mollusk and arthropod illustration	81
Consuelo Sendino	

11. Development of paleontological art in Poland	91
Piotr Krzywiec and Aleksandra Arndt	
12. George Victor Du Noyer's large format paintings: Nineteenth-century lecture slides	101
Matthew Alastair Parkes	
13. Nineteenth-century paleontological art in the Natural History Museum Vienna, Austria: Between demystification and mythologization	109
Stefanie Jovanovic-Kruspel and Mathias Harzhauser	
14. The use of artwork to document geologic systems in The Geology of Russia (1845)	117
John Diemer and Lydia Diemer	
15. Fossil illustrations in three dimensions: Ward's models at Cornell University	127
William R. Brice	
16. The illustration of dinosaur tracks through time	139
Donald H. Goldstein and Patrick Getty	
17. Benjamin Waterhouse Hawkins and the early history of three-dimensional paleontological art	151
Robert M. Peck and Stephen M. Rowland	
18. The present is the key to the paleo-past: Charles R. Knight's reconstruction of extinct beasts for the Field Museum, Chicago	161
Renee M. Clary	
19. Beyond Charles Knight: Women paleoartists at the American Museum of Natural History in the early twentieth century	171
Mai Reitmeyer, Rebecca Morgan, and Tom Baione	
20. The Fritz Zerritsch/Erich Thenius suite of paleontological wall roll-ups and the pageant-of-life-through-time genre of paleontological art	181
Stephen M. Rowland	
21. Illustrating the unknowable: Women paleoartists who drew ancient vertebrates	191
Susan Turner and Annalisa Berta	
22. Foraminiferal art through the ages	201
Jere H. Lipps	

NEW NICHEs

23. "Extreme dinosaurs" and the continuing evolution of dinosaur paleoart	213
Warren D. Allmon	
24. A quest for perfection in science and art: The paleontological legacy of Manfred Reichel (1896–1984)	221
Mario M.A. Wannier	
25. Paleontological postage stamps in art and education	229
Jere H. Lipps, Ajit Vartak, Ton Van Eijden, C. Rajshekhar, Sudha Vaddadi, and Rohit Vartak	

26. *Ancient creatures of Hungary: Bringing the animals to life* 237
Tibor Pecsics
27. “*But why paint a dinosaur blue?*”: *Envisioning the Cretaceous—A vitalizing, multidisciplinary project in a university museum* 245
Todd M. Rowan, Thomas Brent Funderburk, and Renee M. Clary
28. *Fossilarium: Paintings inspired by micropaleontological thin sections* 255
Giles Ford
29. *Art about ancient life as a chronicle for the human condition* 263
Gary D. Rosenberg and Patricia Coorough Burke