

The book was found

Terrestrial Ecosystems Through Time: Evolutionary Paleoecology Of Terrestrial Plants And Animals



Synopsis

Breathtaking in scope, this is the first survey of the entire ecological history of life on land "from the earliest traces of terrestrial organisms over 400 million years ago to the beginning of human agriculture. By providing myriad insights into the unique ecological information contained in the fossil record, it establishes a new and ambitious basis for the study of evolutionary paleoecology of land ecosystems. A joint undertaking of the Evolution of Terrestrial Ecosystems Consortium at the National Museum of Natural History, Smithsonian Institution, and twenty-six additional researchers, this book begins with four chapters that lay out the theoretical background and methodology of the science of evolutionary paleoecology. Included are a comprehensive review of the taphonomy and paleoenvironmental settings of fossil deposits as well as guidelines for developing ecological characterizations of extinct organisms and the communities in which they lived. The remaining three chapters treat the history of terrestrial ecosystems through geological time, emphasizing how ecological interactions have changed, the rate and tempo of ecosystem change, the role of exogenous "forcing factors" in generating ecological change, and the effect of ecological factors on the evolution of biological diversity. The six principal authors of this volume are all associated with the Evolution of Terrestrial Ecosystems program at the National Museum of Natural History, Smithsonian Institution.

Book Information

Paperback: 588 pages

Publisher: University Of Chicago Press; 1 edition (August 15, 1992)

Language: English

ISBN-10: 0226041557

ISBN-13: 978-0226041551

Product Dimensions: 6 x 1.4 x 9 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 4 customer reviews

Best Sellers Rank: #1,509,774 in Books (See Top 100 in Books) #37 in Books > Science & Math > Biological Sciences > Paleontology > Paleobiology #2525 in Books > Science & Math > Earth Sciences > Geology #7149 in Books > Science & Math > Evolution

Customer Reviews

Classic textbook edited by a Who's Who in terrestrial paleontology from the last 25-30 years. The chapters are in-depth, but the writing is not incomprehensible for the casual reader. Two thumbs up!

You may want to brush up on your palaeobotany before reading this book. I loved it! It was just what I had been looking for!

The slow and verbose plodding along of this book confirms that it was written by a gaggle of "collaborators", each one with a thesaurus in hand. The subject matter, which by itself is fascinating, was completely obfuscated by the writing. The illustrations are beautiful, few and far in between and completely non sequitur. Bibliography is excellent.

"Ecosystems" is 500+ pages, and could easily be expanded to ten times that. This is the first book I found to discuss all major life-bearing periods from an ecological standpoint. Minor nits: I wish at least a couple of periods had been treated in depth. The writing could be a bit crisper. And as a layman, I would have appreciated a glossary for some of the words that don't show up in my Webster's Unabridged.

[Download to continue reading...](#)

Terrestrial Ecosystems Through Time: Evolutionary Paleoecology of Terrestrial Plants and Animals
House Plants: A Guide to Keeping Plants in Your Home (House Plants Care, House Plants for Dummies, House Plants for Beginners, Keeping Plants in Your Home, DIY House Plants Book 1)
Air Plants: A Beginners Guide To Understanding Air Plants, Growing Air Plants and Air Plant Care (Air Plants, Ornamental Plants, House Plants)
The Conodonts: Morphology, Taxonomy, Paleoecology, and Evolutionary History of a Long-Extinct Animal Phylum (Oxford Monographs on Geology and Geophysics)
Exalted Terrestrial Direction 3 East *OP (The Compass of Terrestrial Directions)
Exalted Terrestrial Directions 2 The West (Compass of Terrestrial Directions) (vol. 2)
America's Deserts: Guide to Plants and Animals (America's Ecosystems)
A Neotropical Companion: An Introduction to the Animals, Plants and Ecosystems of the New World Tropics
America's Wetlands: Guide to Plants and Animals (America's Ecosystems)
House Plants: Volume III: 2 Book Boxset - Air Plants & Your First Cacti (Ornamental Plants, House Plants, Indoor Gardening 3)
Foraging: A Beginners Guide To Foraging Wild Edible Plants (foraging, wild edible plants, foraging wild edible plants, foraging for beginners, foraging wild edible plants free,)
Wild About the Okavango: All-In-One Guide to Common Animals and Plants of the Okavango Delta, Chobe and East Caprivi (Wild About: Field Guide to Common Animals & Plants)
Evolutionary Algorithms in Theory and Practice: Evolution Strategies, Evolutionary Programming, Genetic Algorithms
Evolutionary Algorithms for Solving Multi-Objective Problems (Genetic and Evolutionary Computation)
Paleontology and

Geology of Laetoli: Human Evolution in Context: Volume 1: Geology, Geochronology, Paleoecology and Paleoenvironment (Vertebrate Paleobiology and Paleoanthropology) Fossils in the Making: Vertebrate Taphonomy and Paleoecology (Prehistoric Archeology and Ecology series) Paleoecology: Past, Present and Future Invasive Terrestrial Animals (Invasive Species) The Art and Science of Grazing: How Grass Farmers Can Create Sustainable Systems for Healthy Animals and Farm Ecosystems Air Plants: Everything that you need to know about Air Plants in a single book (air plants, air plant care, terrarium, air plant book)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)