Encyclopedia of Paleoclimatology and Ancient Environments

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- Provides long-term perspective on current climate change and environmental issues
- Uses key observational evidence and computer simulations to reconstruct past climates

Earned Outstanding Academic Title distinction for Earth Sciences titles 2010 from the library magazine CHOICE. While the human imprint is becoming increasingly apparent, Earth’s climate has shifted dramatically and frequently during the last few million years, alternating between ice ages, when vast glaciers covered Northern Europe and much of North America, and interglacials — warm periods much like today. Farther back in geologic time, climates have differed even more from the present. Thus, to fully understand the unusual changes of the 20th century and possible future trends, these must be placed in a longer-term context extending beyond the period of instrumental records. The Encyclopedia of Paleoclimatology and Ancient Environments, a companion volume to the recently-published Encyclopedia of World Climatology, provides the reader with an entry point to the rapidly expanding field of paleoclimatology — the study of climates of the past. Highly interdisciplinary in nature, paleoclimatology integrates information from a broad array of disciplines in the geosciences, ranging from stratigraphy, geomorphology, glaciology, paleoecology, paleobotany to geochemistry and geophysics, among others. The encyclopedia offers 230 informative articles written by over 200 well known international experts on numerous subjects, ranging from classical geological evidence to the latest research. The volume is abundantly illustrated with line-drawings, black-white and color photographs.

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