

Contents

Issue 9 Volume 5 November 2007

esa

This Special Issue of *Frontiers* focuses entirely on the study of paleoecology and its role in present-day ecological and conservation-based research.

We thank Guest Editor Stephen T Jackson for his help with this issue.

Frontiers will return to its normal format for the December issue.

455 Guest Editorials

Looking forward from the past: history, ecology, and conservation

ST Jackson 455

Paleoecology and the path ahead

TE Lovejoy 456

457 Paleoecology Reviews

Amazonian exploitation revisited: ecological asymmetry and the policy pendulum

MB Bush and MR Silman 457

From controversy to consensus: making the case for recent climate change in the Arctic using lake sediments

JP Smol and MSV Douglas 466

Novel climates, no-analog communities, and ecological surprises

JW Williams and ST Jackson 475

Paleoecology and "inter-situ" restoration on Kaua'i, Hawai'i

DA Burney and L Pigott Burney 483

Paleoecology and ecosystem restoration: case studies from Chesapeake Bay and the Florida Everglades

DA Willard and TM Cronin 491

Forest fire and climate change in western North America: insights from sediment charcoal records

DG Gavin, DJ Hallett, FS Hu, KP Lertzman, SJ Prichard, KJ Brown, JA Lynch, P Bartlein, and DL Peterson 499

507 Frontiers Trading Post

Products, services, academic programs and courses, employment opportunities, awards, announcements, conferences, and meetings

512 Finishing Lines

"Here there be dragons"

K Ellison



Cover picture: Changes in fossil pollen assemblages from sediment cores document plant community response to climatic and environmental stresses over years to millennia and longer. Clockwise from upper left: *Adiantum pedatum*, *Sanguinaria canadensis*, *Pinus taeda*, *Utricularia gibba*.

Central photo: Courtesy of C Bernhardt