
Supplement to the Proceedings of the National Academy of Sciences of the United States of America, which includes articles from the Arthur M. Sackler Colloquium of the National Academy of Sciences In the Light of Evolution III: Two Centuries of Darwin. The complete program is available on the NAS web site at www.nasonline.org/sackler_darwin.

Contents

PERSPECTIVE

9933 In the light of evolution III: Two centuries of Darwin
  John C. Avise and Francisco J. Ayala

COLLOQUIUM PAPERS

9939 Natural selection in action during speciation
  Sara Via

9947 Adaptive radiations: From field to genomic studies
  Scott A. Hodges and Nathan J. Derieg

9955 Genetics and ecological speciation
  Dolph Schluter and Gina L. Conte

9963 Cascades of convergent evolution: The corresponding evolutionary histories of euglenozoans and dinoflagellates
  Julius Lukes, Brian S. Leander, and Patrick J. Keeling

9971 From wild animals to domestic pets, an evolutionary view of domestication
  Carlos A. Driscoll, David W. Macdonald, and Stephen J. O’Brien

9979 Tracking footprints of maize domestication and evidence for a massive selective sweep on chromosome 10
  Feng Tian, Natalie M. Stevens, and Edward S. Buckler IV

9987 Human-induced evolution caused by unnatural selection through harvest of wild animals
  Fred W. Allendorf and Jeffrey J. Hard

9995 In the light of directed evolution: Pathways of adaptive protein evolution
  Jesse D. Bloom and Frances H. Arnold

10001 Mate choice and sexual selection: What have we learned since Darwin?
  Adam G. Jones and Nicholas L. Ratterman

10009 Sexual selection and mating systems
  Stephen M. Shuster

10017 Reproductive decisions under ecological constraints: It’s about time
  Patricia Adair Gowaty and Stephen P. Hubbell

10025 Postcopulatory sexual selection: Darwin’s omission and its consequences
  William G. Eberhard

10033 Darwin and the scientific method
  Francisco J. Ayala

10040 The Darwinian revolution: Rethinking its meaning and significance
  Michael Ruse

10048 Did Darwin write the Origin backwards?
  Elliott Sober

10056 Darwin’s place in the history of thought: A reevaluation
  Robert J. Richards

10061 Darwin’s “strange inversion of reasoning”
  Daniel Dennett