

JOEL L. CRACRAFT
LAMONT CURATOR AND CURATOR-IN-CHARGE
DEPARTMENT OF ORNITHOLOGY
Phone: 212.769.5633 Fax: 212.769.5759 cracraft@amnh.org

HIGHEST DEGREE EARNED

Ph.D.

AREA OF SPECIALIZATION

Systematics, speciation analysis, biogeography, and evolution of birds

EDUCATION

Ph.D. in Biology, Columbia University, 1969

M.S. in Zoology, Louisiana State University, 1966

B.S. in Zoology, University of Oklahoma, 1964

EXPERIENCE IN DOCTORAL EDUCATION

FACULTY APPOINTMENTS

Adjunct Professor, Department of Ecology, Evolution and Environmental Biology,
Columbia University, 1997-present

Adjunct Professor, City University of New York, 1992-present

Assistant, Associate, Full Professor, University of Illinois, Chicago, 1970-1992

COURSES TAUGHT

City University of New York

Biodiversity and Biological Diversification

Topics in African Conservation

Columbia University

Systematics, Fall 2004

Biodiversity Policy: Topics in African Conservation

Biogeography

Diversity and Diversification

GRADUATE COMMITTEES

Sushma Reddy, Columbia University, chair, 2004 - 2005

GRADUATE ADVISEES

Sushma Reddy

Alejandro Espinosa

Pamela Beresford

Ana Luz Porzecanski

RESEARCH GRANT SUPPORT

National Science Foundation, "ATOL: Collaborative Research: Archosaur phylogeny - a total evidence approach at fine taxonomic level" (co-PI with M. Norell and G. Barrowclough), \$1,733,737, 2002-2007.

RECENT ARTICLES IN REFEREED JOURNALS

- Reddy, S., and J. Cracraft. 2007. Old World shrike-babblers (*Pteruthius*) belong with New World vireos (Vireonidae). *Molecular Phylogenetics and Evolution* published on line: doi:10.1016/j.ympev.2007.02.023.
- Cracraft, J. 2006. Reconstructing change in biological systems: are there commonalities between evolutionary biology and the humanities? *In* A. Wimmer and R. Kössler (editors), *Understanding Change: Models, Methodologies and Metaphors*: 270-284. Houndmills, UK: Palgrave Macmillan.
- Moyle, R.G., J. Cracraft, M. Lakim, J. Nais, and F.H. Sheldon. 2006. Reconsideration of the phylogenetic relationships of the enigmatic Bornean Bristlehead (*Pityriasis gymnocephala*). *Molecular Phylogenetics and Evolution* 39: 893-898.
- Moyle, R.G., R.T. Chesser, R.O. Prum, P. Schikler, and J. Cracraft. 2006. Phylogeny and evolutionary history of Old World suboscine birds (Eurylaimides). *American Museum Novitates* 3544: 1-22.
- Bybee, R., and J. Cracraft. 2005. Educating a new generation about evolutionary science and society. *In* J. Cracraft and R. Bybee (editors), *Evolutionary science and society: a new generation*: 201-202. Colorado Springs, CO: Biological Sciences Curriculum Study.
- Cracraft, J. 2005. Phylogeny and evo-devo: characters, homology, and the historical analysis of the evolution of development. *Zoology* 108: 345-356.
- Cracraft, J., and R. Bybee (editors). 2005. *Evolutionary science and society: educating a new generation*. Colorado Springs, CO: Biological Sciences Curriculum Study. 202 pp.
- Cracraft, J., and R. Bybee. 2005. Evolutionary science and society: saving lives and promoting prosperity. *In* J. Cracraft and R. Bybee (editors), *Evolutionary science and society: educating a new generation*: 1-3. Colorado Springs, CO: Biological Sciences Curriculum Study.
- Cracraft, J. 2005. An overview of the Tree of Life. *In* J. Cracraft and R. Bybee (editors), *Evolutionary science and society: educating a new generation*: 43-51. Colorado Springs, CO: Biological Sciences Curriculum Study.
- Ksepka, D., S. Bertelli, G.J. Dyke, and J. Cracraft. 2005. The phylogeny of the living and fossil Palaeognathae. *Journal of Vertebrate Paleontology* 25(3): 81A.
- Ribas, C.C., R. Gaban-Lima, C.Y. Miyaki, and J.L. Cracraft. 2005. Historical biogeography and diversification within the Neotropical parrot genus *Pionopsitta* (Aves: Psittacidae). *Journal of Biogeography* 32: 1409-1427.
- Porzecanski, A. L. and J. Cracraft. 2005. Cladistic Analysis of Distributions and Endemism (CADE): Using raw distributions of birds to unravel the biogeography of the South American aridlands. *J. Biogeography* 32:261-275.

- Cracraft, J. 2004. A new AIBS for the age of biology [editorial]. *BioScience* 54:979.
- Feinstein, J. F. and J. Cracraft. 2004. Solving a sequencing problem in the vertebrate mitochondrial control region using phylogenetic comparisons. *DNA Sequence* 15:374-377.
- Barker, F. K., A. Cibois, P. Schikler, J. Feinstein, and J. Cracraft. 2004. Phylogeny and diversification of the largest avian radiation. *Proc. Natl. Acad. Sci.* 101:11040-11045.
- Cibois, A. and J. Cracraft. 2004. Assessing the passerine "Tapestry": phylogenetic relationships of the Muscicapoidea inferred from nuclear DNA sequences. *Mol. Phylogen. Evol.* 32:264-273.
- Cracraft, J. 2004. The new creationism and its threat to science literacy and education. *BioScience* 54:3 (editorial).
- Cracraft, J. 2002. The seven great questions of systematic biology: an essential foundation for conservation and the sustainable use of biodiversity. *Ann. Missouri Bot. Garden* 89:127-144.
- Mikkelsen, P. and J. Cracraft. 2001. Marine biodiversity and the need for systematic inventory. *Bulletin of Marine Science* 69: 525-534.
- Cracraft, J. 2001. Gondwana genesis. *Natural History* 110 (10): 64-72.
- Cracraft, J. 2001. Avian evolution, Gondwana biogeography, and the Cretaceous-Tertiary mass extinction event. *Proc. Roy. Soc. Lond.* 268B: 459-469.

SPECIAL RECOGNITION/AWARDS

- Elected Fellow, American Association for the Advancement of Science, 1998
- Elliott Coues Award, American Ornithologists' Union, 1993
- Elected Fellow, American Ornithologists' Union, 1976