

JOEL L. CRACRAFT
LAMONT CURATOR , CURATOR-IN-CHARGE AND PROFESSOR
DEPARTMENT OF ORNITHOLOGY

HIGHEST DEGREE EARNED

Ph.D.

AREA OF SPECIALIZATION

Theory and methods of comparative biology, evolutionary theory, speciation analysis, biological diversification, avian systematics, evolution of morphological systems, historical biogeography, molecular systematics and evolution

EDUCATIONAL EXPERIENCE

Ph.D. in Biology, Columbia University, 1969

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

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

PREVIOUS 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

Richard Gilder Graduate School

Systematics and Biogeography, 2008-2010

Evolution, 2009-present

Biogeographic Analysis, 2011

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 ADVISEES

Andre de Carvalho, Richard Gilder Graduate School, Co-Advisor

Eugenia Gold, Richard Gilder Graduate School, Co-Advisor

Sushma Reddy

Alejandro Espinosa

Pamela Beresford

Ana Luz Porzecanski
Maria Esther Quintero
Snorri Sigurdsson

GRADUATE COMMITTEES

Zach Baldwin, Richard Gilder Graduate School
Edward Stanley, Richard Gilder Graduate School
Pedro Peloso, Richard Gilder Graduate School
Sushma Reddy, Columbia University, chair, 2004 - 2005

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 (2006-2011)

- Bertelli, S., Szumik, C. Goloboff, P.A., Giannini, N. P., Navarro Sigüenza, A.G., Peterson, A.T., and Cracraft, J.L. Land birds reveal unexpected complexity in spatial patterns of endemism in megadiverse Mexico.
- Ribas, C. C., A. C. R. Nogueira, A. Aleixo, C. Y. Miyaki and J. Cracraft. A paleobiogeographic model for biotic diversification within Amazonia over the past three million years.
- Derryberry, E. P., S. Claramunt, G. Derryberry, R. T. Chesser, J. Cracraft, A. Aleixo, J. Pérez-Emán, J. V. Remsen, Jr., and R. T. Brumfield. Lineage diversification and morphological evolution in a large-scale continental radiation: the Neotropical ovenbirds and woodcreepers (Aves: Furnariidae). *Evolution*, in press
- Cracraft, J. 2011. Foreword: Beyond bird-like dinosaurs: the emerging evolutionary history of modern birds. Pp. vii-x in *Living Dinosaurs: The Evolutionary History of Modern Birds* (G. Dyke and G. Kaiser, eds.). J. Wiley & Sons, West Sussex, UK.
- Cracraft, J. 2011. Review of " Perspectives in Animal Phylogeny and Evolution" by Alessandro Minelli (Oxford University Press, Oxford. 2009). *Quarterly Review of Biology*, in press.
- Cracraft, J. 2010. Thinking about diversity and diversification: what if biotic history is not equilibrial? Pp. 511-515 in *Evolution since Darwin: the first 150 years* (M. A. Bell, D. J. Futuyma, W. F. Eanes, and J. S. Levinton, eds). Sinauer Assoc., Sunderland, Ma.
- Yahara T, M. J. Donoghue, R. Zardoya, D. Faith, and J. Cracraft. 2010. Genetic diversity assessments in the century of genome science. *Current Opinion in Environmental Sustainability* 2:1-7.
- Hendry, A. P., L. G. Lohmann, E. Conti, J. Cracraft, K. A. Crandall, D. P. Faith, C. Häuser, C. A. Joly, K. Kogure, A. Larigauderie, S. Magallón, C. Moritz, S. Tillier, R. Zardoya, A.-H. Prieur-Richard, B. A. Walther, T. Yahara, and M. J. Donoghue. 2010. Evolutionary biology in biodiversity science, conservation, and policy: a call to action. *Evolution* 64:1517-1528.
- Derryberry, E., S. Claramunt, R. Terry Chesser, A. Aleixo, J. Cracraft, R. G. Moyle,

- and R. T. Brumfield. 2010. *Certhiasomus*, a new genus of woodcreeper (Aves: Passeriformes: Dendrocolaptidae). *Zootaxa* 2416:44-50.
- Haussler, David, et al. (many co-authors, including J. Cracraft). 2009. Genome 10K: A proposition to obtain whole genome sequence for 10,000 vertebrate species. *Journal of Heredity* 100:659-674.
- Cracraft, J. 2009. Linné, kom hem! Pp. 35-39 in *Letters to Linnaeus* (S. Knapp and Q. Wheeler, eds.). Linnean Society of London, London.
- Ribas, C. C., C. Y. Miyaki, and J. Cracraft. 2009. Phylogenetic relationships, diversification, and biogeography in Neotropical *Brotogeris* parakeets. *J. Biogeography* 36:1712-1729.
- Tello, J. G., R. G. Moyle, D. J. Marchese, and J. Cracraft. 2009. Phylogeny and phylogenetic classification of the tyrant flycatchers, cotingas, manakins, and their allies (Aves: Tyrannidae). *Cladistics* 25:429-467.
- Moyle, R., R. T. Chesser, R. Brumfield, J. Tello, D. Marchese, and J. Cracraft. 2009. Phylogeny and phylogenetic classification of the antbirds, ovenbirds, woodcreepers, and allies (Aves: Passeriformes: Infraorder Furnariidae). *Cladistics* 25:386-405.
- Cracraft, J., W. C. Clark, and K. Bowman (Eds.). 2008. Proceedings of the Symposium Biological Sciences for the 21st Century: Meeting the Challenges of Sustainable Development in an Era of Global Change. DVD published and distributed by the U.S. National Committee to the International Union of Biological Sciences (National Research Council, National Academy of Sciences), Washington, DC.
- Ksepka, D. T. and J. Cracraft. 2008. An avian tarsometatarsus from near the K-T boundary of New Zealand. *J. Vert. Paleontology* 28(4):1224-1227.
- Ribas, C. C., R. G. Moyle, C. Y. Miyaki, and J. Cracraft. 2007. The assembly of montane biotas: linking Andean tectonics and climatic oscillations to independent regimes of diversification in *Pionus* parrots. *Proc. Roy. Soc. Lond.* 274:2399-2408.
- 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 (Eurylaimidae). *American Museum Novitates* 3544: 1-22.

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