

JOEL L. CRACRAFT
CURRICULUM VITAE

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PERSONAL INFORMATION

Date of Birth: 31 July 1942

EDUCATION

1964. B.S. (Zoology) University of Oklahoma
1966. M.S. (Zoology) Louisiana State University
1969. Ph.D. (Biology) Columbia University
1969. Frank M. Chapman Fellow, American Museum of Natural History

PROFESSIONAL EXPERIENCE

2002-Present Lamont Curator of Birds, American Museum of Natural History

1999-Present Curator-in-Charge, Department of Ornithology

1992- Present Curator, American Museum of Natural History

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

1992- Present Adjunct Professor, City University of New York

1993-1994 Acting Director, Center for Biodiversity and Conservation, American Museum of Natural History

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

1970-Present Research Associate, The Field Museum, Chicago

RESEARCH INTERESTS

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

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Association for the Advancement of Science, American Institute of Biological Sciences, American Ornithologists' Union, American Society of Naturalists, Cooper Ornithological Society, Linnean Society of London, Society for Integrative and Comparative Biology, Society for the Study of Evolution, Society of Systematic Biologists, Society of Vertebrate Paleontology, Society for Conservation Biology, Willi

Hennig Society, International Society for the History, Philosophy and Social Studies of Biology, Society of Australian Systematic Biologists

ACTIVITIES IN PROFESSIONAL SOCIETIES

1979-1988	Chairman, Investing Trustees, American Ornithologists' Union
1987-1989	Chairman, Investment Committee, American Society of Zoologists
1977-1981	Treasurer, American Ornithologists' Union
1977-1981	Council, American Ornithologists' Union
1978	Council, Cooper Ornithological Society
1989-1990	Editorial Board, American Zoologist
1990	Chairman, Investment Committee, Cooper Ornithological Society
1989-1993	Treasurer and member Executive Committee, International Society for the History, Philosophy, and Social Studies of Biology
1981-1983	Council, Society of Systematic Zoology
1987-present	Investment Committee, Society of Systematic Zoology
1984	Editorial Board, Systematic Zoology
1988-1990	Program Officer, Society of Systematic Zoology
1991-1992	President-elect, Society of Systematic Biologists
1992-1993	President, Society of Systematic Biologists
1993-1994	Past-President, Society of Systematic Biologists
1992-1993	Editorial Board, Molecular Biology and Evolution
1993-1995	Board of Directors, American Institute of Biological Sciences
1997-present	Investing Trustees, Society of Systematic Biologists
2001- present	Editorial Board, Molecular Phylogenetics and Evolution
2003	President-elect, American Institute of Biological Sciences
2004	President, American Institute of Biological Sciences
2005	Past-President, American Institute of Biological Sciences
2006-present	Council, American Institute of Biological Sciences

NATIONAL BOARDS AND ACTIVITIES

1991-1995	Co-Chair, Steering Committee, Systematics Agenda 2000
1995-1997	National Research Council, Committee for the Forum on Biodiversity
1996-1998	Biodiversity and Ecosystems Panel, President's Council of Advisors for Science and Technology, Office of Science Technology and Policy
1998- Present	National Research Council, U. S. National Committee for International Union of Biological Sciences

- 1999 National Science Foundation workshop on Biodiversity
Observation Network
- 1999 Ad hoc Advisory Committee on Planning, California
Academy of Sciences
- 2000 National Science Foundation workshop on Tree of Life, Yale
(co-organizer)
National Science Foundation workshop on Tree of Life and
Phyloinformatics, Davis
National Science Foundation workshop on Tree of Life,
Austin
- 2003 National Science Foundation Workshop to Produce a
Decadal Vision for Taxonomy and Natural History
Collections, University of Florida
- 2006--2007 National Research Council, Committee on the Potential Impact
of High-end Computing on Illustrative Fields of Science

INTERNATIONAL BOARDS AND ACTIVITIES

- 1990-1993 Council, International Congress of Systematic and
Evolutionary Biology
- 1994 European Science Foundation, Advisory Workshop
Systematic Biology
- 1996-2001 Scientific Steering Committee, DIVERSITAS
- 1997- Present Steering Committee, Systematics Agenda 2000
International (SA2000I)
- 2001 SA2000I/Diversitas Advisory Workshop to Global
Taxonomy Initiative, Convention on Biological Diversity
- 2001-2002 DIVERSITAS/International Biodiversity Observation Year
Project: Assembling the Tree of Life (co-organizer)
- 2002-present Member, World Commission on Protected Areas, IUCN
- 2006 Associated Meeting to CBD/COP8 Workshop on Biodiversity
as a Megascience (co-organizer)

GRANT SUPPORT

- National Science Foundation, 1974-1976, Functional morphology and evolution of avian
locomotion
- National Science Foundation, 1976-1979, Functional morphology and evolution of avian
locomotion
- National Science Foundation, 1980-1984, Phylogeny and evolution of nonpasserine
birds
- National Science Foundation, 1986-1989, Phylogeny and diversification of
nonpasserine birds
- National Science Foundation, 1988-1991, Speciation and evolution of the birds-of-
paradise (Paradisaeidae)

National Science Foundation, 1990-1992, Phylogeny of the Paradisaeidae and the corvine assemblage using mtDNA sequences

New York Zoological Society (Nixon Griffis Fund), 1991-1992, Discrimination of evolutionary taxa of tigers using mtDNA sequences: systematic and conservation implications (research was also supported by the Captive Breeding Specialist Group/Species Survival Plan)

National Science Foundation, 1992-1994, Speciation in the birds-of-paradise(Paradisaeidae) using mtDNA sequences

National Science Foundation, 1992-1994, Systematics Agenda 2000: a research trends and priorities initiative

National Science Foundation, 1993-1994, Renovation of the Department of Ornithology Research Laboratories, American Museum of Natural History (co-PI with George Barrowclough)

National Science Foundation, 1995-1997, Public education about the biodiversity crisis, American Museum of Natural History (co-PI with Niles Eldredge and Samuel Taylor)

National Science Foundation, 2000- 2002 , Assembling the Tree of Life (co-PI with M. J. Donoghue)

National Science Foundation, 2002-2006, Collaborative Research: Archosaur phylogeny - a total evidence approach at fine taxonomic level (co-PI with Mark Norell, George Barrowclough)

AWARDS AND HONORS

1976 Elected Fellow, American Ornithologists' Union

1993 Elliott Coues Award, American Ornithologists' Union

1998 Elected Fellow, American Association for the Advancement of Science

SYMPOSIUM ORGANIZATION, PARTICIPATION, AND PLENARY ADDRESSES

1969. NATO ADVANCED STUDY INSTITUTE, Istanbul, Turkey: Vertebrate evolution: mechanism and process. Title of presentation: The concept of specialization.

1971. GEOLOGICAL SOCIETY OF AMERICA/SOCIETY OF VERTEBRATE PALEONTOLOGY, Washington, D.C.: Plate tectonics and fossil vertebrate distribution. Title of presentation: The role of continental drift in the biogeography of birds.

1972. NATO ADVANCED STUDY INSTITUTE, Newcastle-upon-Tyne, England: Continental drift, sea floor spreading and plate tectonics: implications for the earth sciences. Title of presentation: Vertebrate evolution and biogeography in the Old World tropics: implications of continental drift and palaeoclimatology.

1972. 17th INTERNATIONAL ZOOLOGY CONGRESS, Monaco: Biogeography and intercontinental connections during the Mesozoic. Title of presentation: Mesozoic dispersal of terrestrial faunas around the southern end of the world.

1974. XVI INTERNATIONAL ORNITHOLOGICAL CONGRESS, Canberra, Australia: Origin of the Australasian avifauna. Title of presentation: Avian evolution on southern continents: influences of paleogeography and paleoclimatology.

1974. MISSOURI BOTANICAL GARDEN SYMPOSIUM, St. Louis: Biogeography. Title of presentation: Historical biogeography and earth history: perspectives for a future synthesis.

1974. AMERICAN SOCIETY OF ZOOLOGISTS, Tucson, Arizona: World perspectives in biogeography. Title of presentation: Continental drift and vertebrate biogeography.

1976. SOCIETY OF SYSTEMATIC ZOOLOGY, New Orleans: Vertebrate phylogeny. Title of presentation: The phylogeny of birds (with A.H. Brush, Univ. of Connecticut).

1976. XV INTERNATIONAL CONGRESS OF ENTOMOLOGY, Washington, D.C.: Continental drift and historical biogeography of insects. Plenary address: The pattern of continental drift and its biogeographic implications.

1977. NORTH AMERICAN PALEONTOLOGICAL CONVENTION II, Lawrence, Kansas: Phylogenetic models (co-organizer). Title of presentation: Paleontology, phylogenetic analysis, and evolutionary models.

1977. AMERICAN ASSOCIATION OF GEOGRAPHERS, Salt Lake City: Models in biogeographic analysis. Title of presentation: Avian phylogeny and intercontinental biogeographic patterns.

1977. XVII INTERNATIONAL ORNITHOLOGICAL CONGRESS, Berlin: Recent trends in biogeographic analysis. Title of presentation: Avian phylogeny and intercontinental biogeographic patterns.

1978. SOCIETY OF SYSTEMATIC ZOOLOGY, Richmond, Virginia: Philosophical aspects of systematics (co-organizer). Title of presentation: Introduction to the symposium.

1979. AUSTRALIAN-NEW ZEALAND ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Auckland, New Zealand: Biogeographic development and plate tectonics in the Southwest Pacific. Title of presentation: Vertebrate biogeography and continental drift in the Southwest Pacific.

1979. AMERICAN ORNITHOLOGISTS' UNION, College Station, Texas: Phylogeny and molecular evolution in birds (co-organized). Title of presentation: Phylogeny and rates of evolution in birds.

1979. AMERICAN SOCIETY OF ZOOLOGISTS, Tampa, Florida: Analysis of form (co-organizer).

1979. SOCIETY OF SYSTEMATIC ZOOLOGY, Tampa, Florida: The use of functional morphology in classification and phylogeny. Title of presentation: Functional morphology and phylogenetic analysis: a cladistic perspective.

1980. CONFERENCE ON MACROEVOLUTION, Field Museum of Natural History (co-organizer).

1980. SOCIETY OF SYSTEMATIC ZOOLOGY, Seattle, Washington: New perspectives in biogeography. Title of presentation: Biogeography and the testing of models of speciation.

1981. HENNIG SOCIETY, Ann Arbor, Michigan: Functional morphology and cladistics. Title of presentation: Functional morphology and cladistics: the study of pattern and process in evolution.

1981. SOCIETY OF SYSTEMATIC ZOOLOGY, Dallas, Texas: Phylogeny, biogeography, and rates of evolution. Title of presentation: Rates of evolution: methodological problems, biological questions.

1982. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (PACIFIC DIVISION), Santa Barbara, California: Science teaching and creationism. Title of presentation: Comparative biology and systematics: the case against creationism.

1982. NATO ADVANCED STUDY INSTITUTE ON NUMERICAL TAXONOMY, Bad Windsheim, West Germany: Session on "Theories of Biological Classification" (organizer). Title of presentation: The significance of phylogenetic classifications for systematic and evolutionary biology.

1982. INTERNATIONAL ORNITHOLOGICAL CONGRESS, Moscow, USSR: Workshop sessions on avian phylogeny and evolution, evolution and biology of diving birds, and cranial morphology of birds.

1983. AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Grand Forks, North Dakota: Species concepts and speciation analysis (organizer). Title of presentation: Patterns of speciation in South American birds.

1983. MISSOURI BOTANICAL GARDEN, St. Louis, Missouri: Fall Systematics Symposium on comparative biology (co-organizer). Title of presentation: Macroevolution and rates of taxonomic diversification.

1984. AMERICAN ASSOCIATION FOR ADVANCEMENT OF SCIENCE, New York City: Problems in contemporary evolutionary theory (co-organizer). Title of presentation: Biotic diversification and the challenge to neo-Darwinism.

1984. LINNEAN SOCIETY/SYSTEMATICS ASSOCIATION/HENNIG SOCIETY, London, England: Biogeographic patterns within South America. Title of presentation: Avian biogeographic patterns in South America.

1985. CONFERENCE ON THE HISTORY AND PHILOSOPHY OF BIOLOGY, South Bend, Indiana: Workshop on punctuated equilibrium and the content of neo-Darwinism (co-organizer).

1985. INTERNATIONAL CONGRESS OF SYSTEMATIC AND EVOLUTIONARY BIOLOGY, Sussex, England: Random and directed events in evolution. Title of presentation: Toward a general theory of biological diversification.

1986. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Philadelphia: The creation-evolution controversy, 1986 update. Title of presentation: Neo-Darwinism as a theory of evolution: current controversies and future prospects.

1986. NORTH AMERICAN PALEONTOLOGICAL CONVENTION, Boulder, Colorado: Speciation and extinction rate-controls and the regulation of biotic diversity (organizer).

1986. INTERNATIONAL ORNITHOLOGICAL CONGRESS, Ottawa, Canada: Continental avifaunas: patterns of evolution and biogeography (organizer). Title of presentation: From Malaysia to New Guinea: avifaunal assembly within a complex continent-island arc contact zone.

1987. LINNEAN SOCIETY OF LONDON, London, England: Phylogeny and classification of the tetrapods. Title of presentation: The major clades of birds.

1987. ACADEMY OF NATURAL SCIENCES, Philadelphia: Speciation. Title of presentation: Speciation and its ontology: the empirical consequences of alternative species concepts for understanding the pattern and process of differentiation.

1987. SOCIETY OF SYSTEMATIC ZOOLOGY, New Orleans: Vicariance biogeography: theory, methods, and results (co-organizer). Title of presentation: Deep-history biogeography: retrieving the historical pattern of evolving biotas.

1988. FIELD MUSEUM OF NATURAL HISTORY SPRING SYSTEMATICS SYMPOSIUM, Chicago: Evolutionary innovations: patterns and processes. Title of presentation: The origin of evolutionary novelties: pattern and process at different hierarchical levels.

1988. NOBEL FOUNDATION SYMPOSIUM, Stockholm, Sweden: The hierarchy of life. Title of presentation: The early history of modern birds: a comparison of molecular and morphological evidence

1989. SOCIETY OF SYSTEMATIC ZOOLOGY, Boston: Recent advances in phylogenetic studies of DNA sequences (co-organizer).

1990. AMERICAN MUSEUM OF NATURAL HISTORY, New York: The role of museums and the biodiversity crisis. Title of presentation: Explaining patterns of diversity: integrating causation at different spatial and temporal scales.

1990. INTERNATIONAL CONGRESS OF SYSTEMATIC AND EVOLUTIONARY BIOLOGY, College Park: Pattern versus process: causal explanation in evolutionary biology (organizer). Title of presentation: Pattern, process, and causation within evolutionary biology: is there a distinction?

1990. WILLI HENNIG SOCIETY, Canberra, Australia: Austral biogeography. Title of presentation: Deciphering historical signal in the distributions of organisms.

1990. WILLI HENNIG SOCIETY, Canberra, Australia: Biodiversity and cladistics. Title of presentation: The role of scientists in solving the global biodiversity crisis.

1990. AUSTRALIAN SYSTEMATIC BOTANY SOCIETY, Canberra, Australia: Indo-Pacific biogeography: at the crossroads. Title of presentation: Avian biogeographic patterns within Australasia.

1991. SOCIETY OF SYSTEMATIC BIOLOGISTS, Hilo, Hawaii: Phylogenetic perspectives on macroevolutionary hypotheses. Title of presentation: A model for the assembly of continental biotas and ecosystems.

1991. AMERICAN ORNITHOLOGISTS' UNION, Montreal, Canada: Avian higher-level systematics. Title of presentation: Methodological prescriptions for understanding avian phylogenetic relationships.

1991. WILLI HENNIG SOCIETY, Toronto, Canada. The impact of species concepts and hybrids on phylogenetics. Title of presentation: Phylogenetic species: systematics and diversity.

1992. AMERICAN SOCIETY OF ZOOLOGISTS, Vancouver, Canada: Science as a way of knowing: biological diversity. Title: Species diversity, biogeography, and the evolution of biotas.

1994. SOCIETY OF SYSTEMATIC BIOLOGISTS, Athens, Ga. Presidential Address.

1994. ROYAL SOCIETY, LONDON. Systematics Agenda 2000: Charting the Biosphere. Title of presentation: The urgency of building global capacity for biodiversity science.

1994. ACADEMIE DES SCIENCES, PARIS. Systematics Agenda 2000: Charting the Biosphere. Title of presentation: Systematics Agenda 2000: Building a consensus for diversity science.

1994. INTERNATIONAL HERPETOLOGICAL CONGRESS, Adelaide, Australia. Invited plenary on biogeography.

1995. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Athens, Ga. Biodiversity Science and Policy issues: Meeting Societal Needs. Organized and chaired symposium.

1995. STATE UNIVERSITY OF NEW YORK, Albany (Distinguished Lecturer, Global Change Seminar Series).

1995. ECOLOGICAL SOCIETY OF AMERICA, Knoxville. Long-term perturbations: their continued effects on neotropical forests. Title of presentation: Area-relationships in the Neotropical lowlands: an hypothesis based on raw distributions of passerine birds.

1995. GERMAN ZOOLOGICAL SOCIETY, Oldenburg, Germany. Plenary lecture: Systematics, biodiversity science, and the conservation of the Earth's biota.

1995. LINNEAN SOCIETY OF LONDON/SYSTEMATICS ASSOCIATION, Cardiff, Wales, UK. Species: The units of Biodiversity. Title of presentation: Species concepts in systematics and conservation biology — an ornithological viewpoint.

1995. WALES CENTER FOR BIODIVERSITY, Cardiff, Wales, UK. Inaugural plenary lecture on biodiversity science and the biodiversity crisis.

1995. SYSTEMATICS AGENDA 2000 IN EUROPE, Leiden, Netherlands. Plenary lecture on SA2000.

1995. AMERICAN MUSEUM OF NATURAL HISTORY. The Living Planet in Crisis. Co-organizer. Title of presentation: Regional and global patterns of biodiversity loss and conservation capacity: predicting future trends and identifying needs.

1995. UNITED NATIONS ENVIRONMENT PROGRAMME, STRI, Panama. Global Biodiversity Assessment (GBA) Peer review Workshop.

1996. OLD DOMINION UNIVERSITY, Norfolk (Distinguished Lecturer, Global Change Seminar Series).

1996. DANISH COOPERATION FOR ENVIRONMENT AND DEVELOPMENT (DANCED) INTERNATIONAL MEETING ON BIODIVERSITY, Chiang Rai, Thailand.

1997. DIVERSITAS WORKSHOP, SBSTTA MEETING, CONVENTION ON BIOLOGICAL DIVERSITY, MONTREAL. Title of presentation: Taxonomy and biodiversity conservation.

1998. DIVERSITAS WORKSHOP, RESEARCH PRIORITIES FOR THE CONVENTION ON BIOLOGICAL DIVERSITY, MEXICO CITY.

1998. FIELD MUSEUM OF NATURAL HISTORY, SPRING SYSTEMATICS SYMPOSIUM, Chicago. Title of presentation:

1997. NATIONAL ACADEMY OF SCIENCES, Washington, D. C. Nature and Human Society. Title of presentation: Charting the biosphere: building global capacity for systematics science.

1997. AMERICAN MUSEUM OF NATURAL HISTORY, New York. Humans and other catastrophes: a new look at extinction and the extinction process. Moderator.

1998. WORLD WILDLIFE FUND, Cape Town, South Africa. Workshop on Africa Conservation Assessment

1999. CALIFORNIA ACADEMY OF SCIENCES, San Francisco. Bioforum for high school teachers. Title of presentation: What is systematics?

2000. MISSOURI BOTANICAL GARDEN, St. Louis. Mo. Conservation. The seven great questions of systematic biology: an essential foundation for conservation and the sustainable use of biodiversity.
2001. AMERICAN MUSEUM OF NATURAL HISTORY. Conservation Genetics. Invited presentation.
2001. BRAZILIAN ORNITHOLOGICAL CONGRESS. Origin and diversification of the South American avifauna. Invited plenary lecture.
2001. AMERICAN MUSEUM OF NATURAL HISTORY. Assembling the Tree of Life. Co-organizer.
2002. INTERNATIONAL ORNITHOLOGICAL CONGRESS, Beijing, China. The higher-level relationships of birds using large data sets. Co-organizer.
2002. SOCIETY OF INTEGRATIVE AND COMPARATIVE BIOLOGY, Anaheim. Biogeography. Invited presentation.
2002. AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D. C. Invited plenary lecture on evolution.
2002. U. S. FISH & WILDLIFE SERVICE, Shepherdstown, WV. Applied Conservation Genetics. Invited Presentation.
2003. CYTED-Iberoamerican Cooperation Program in Science and Technology (Subprogram of Biological Diversity). Porto Alegre, Brazil. Invited presentation on systematics capacity building.
2004. AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES/NATIONAL ASSOCIATION OF BIOLOGY TEACHERS, Chicago. Evolutionary Science and Society: Educating a New Generation. Organizer.
2004. SOCIETY OF INTEGRATIVE AND COMPARATIVE BIOLOGY, New Orleans. Invited symposium: Being good in science, biopolitics, and mentorship: How to become a Marvalee Wake and move mountains (a talk on homology, Evo-Devo, and systematics).
2004. SOCIETY OF MOLECULAR BIOLOGY AND SYSTEMATICS. Invited plenary. A Molecular Time-Scale for Avian Diversification
2004. SOCIETY OF MOLECULAR BIOLOGY AND SYSTEMATICS. A molecular time scale for avian diversification: the largest avian order (Passeriformes). F. Keith Barker and Joel Cracraft
2004. SYSTEMATICS SOCIETY OF MEXICO. Xalapa, Mexico. Invited plenary.
2004. SOCIETY OF MOLECULAR BIOLOGY AND SYSTEMATICS. Invited plenary. A Molecular Time-Scale for Avian Diversification
2004. FRENCH SOCIETY OF SYSTEMATICS. Paris. Invited plenary.
2005. DIVERSITAS OPEN SCIENCE CONFERENCE, Oaxaca, Mexico.
2006. CBD/COP8 Workshop on Biodiversity as Megascience. Curitiba, Brazil.

TEACHING

City University of New York

Biodiversity and Biological Diversification

Topics in African Conservation

Columbia University

Biodiversity Policy: Topics in African Conservation

Biogeography

Diversity and Diversification

Systematics

STUDENTS

Postdoctoral Fellows: Shannon Hackett, Gary Nunn, Neal Caithness, Scott Stanley, Anwar Janoo, Alice Cibois, Kathleen Earls, Gareth Dyke, Fabian Michelangelli, Amy Berkov, Robert Moyle, Devorah Bennu, Jose Tello, Camila Ribas, Caroline Chaboo

Graduate Students: Alejandro Espinosa, Pamela Beresford, Sushma Reddy, Ana Luz Porzecanski, Maria Esther Quintero

PUBLICATIONS

CONTRIBUTIONS TO REPORTS

1991. Systematics Agenda 2000: Integrating biological diversity and societal needs. Syst. Zool. 40: 520-523; Syst. Bot. 16:758-761.
1994. Systematics Agenda 2000: Charting the Biosphere. Privately published by Systematics Agenda 2000.
1994. Systematics Agenda 2000: Charting the Biosphere. Technical Report. Privately published by Systematics Agenda 2000.
1995. United Nations Environment Programme. Global Biodiversity Assessment. Cambridge Univ. Press, Cambridge.
1996. DIVERSITAS: An International Programme of Biodiversity Science. Operational Plan. DIVERSITAS, Paris.
1996. DIVERSITAS: An International Programme of Biodiversity Science. The Next Phase.
1997. Biodiversity, science, and the human prospect. Center for Biodiversity and Conservation, American Museum of Natural History. 1998.
1998. Teaming with Life: Investing in Science to Understand and Use America's Living Capital. President's Committee of Advisors on Science and Technology, PCAST Panel on Biodiversity and Ecosystems

1999. The Global Taxonomy Initiative: Using Systematic Inventories to Meet Country and Regional Needs. GTI DIVERSITAS Report. American Museum of Natural History, New York.
2000. National Science Foundation. Assembling the Tree of Life: Research Needs in Phylogenetics and Phyloinformatics. Report of workshop, Yale University.
2002. Assembling the Tree of Life: Harnessing Life's History to Benefit Science and Society. Color brochure produced for National Science Foundation. AMNH, privately printed.
2004. American Institute of Biological Sciences. Color brochure, privately printed.

BOOKS

1979. Phylogenetic analysis and paleontology (J. Cracraft and Niles Eldredge, eds). Columbia University Press, New York.
1980. Phylogenetic patterns and the evolutionary process: method and theory in comparative biology. (N. Eldredge and J. Cracraft). Columbia Univ. Press, New York.
1991. Phylogenetic analysis of DNA sequences (M. M. Miyamoto and J. Cracraft, eds.). Oxford Univ. Press, New York.
1999. The Living Planet in Crisis: Biodiversity Science and Policy (J. Cracraft and F. Grifo, eds.). Columbia University Press, New York.
2004. Assembling the tree of life (J. Cracraft and M. J. Donoghue, eds.). Oxford Univ. Press, New York. 576 pp.
2005. Evolutionary science and society: educating a new generation (J. Cracraft and R. Bybee, eds.). Biological Sciences Curriculum Study, Colorado Springs, CO.

ARTICLES AND REVIEWS

- Cracraft, J. 1964. Observations on sun-bathing in the yellow-billed cuckoo. Wilson Bulletin 76:187.
- Cracraft, J. 1967. Comparative foraging behavior of *Myiozetetes similis* and *M. granadensis* in Costa Rica. Wilson Bulletin 79:115-116.
- Cracraft, J. 1967. The concept of adaptation in the study of human populations. Eugenics Quarterly 14:299.

- Cracraft, J. 1967. On the systematic position of the Boat-billed Heron. *Auk* 84:529-533.
- Cracraft, J. 1967. Comments on homology and analogy. *Systematic Zoology* 16:355-359.
- Cracraft, J. 1968. A review of the Bathornithidae (Aves: Gruiformes), with remarks on the relationships of the suborder Cariamae. *American Museum Novitates* No. 2326, pp. 1-46.
- Cracraft, J. 1968. Reallocation of the Eocene fossil *Palaeophasianus meleagroides* Shufeldt. *Wilson Bulletin* 80:281-285.
- Cracraft, J. 1968. The lacrimal-ectethmoid bone complex in birds: a single character analysis. *American Midland Naturalist* 80:316-359.
- Cracraft, J. 1968. First record of the turkey, *Meleagris gallopavo*, from the Pleistocene of Mexico. *Condor* 70:274.
- Cracraft, J. 1968. The Whooping Crane (*Grus americana*) from the lower Pleistocene of Arizona. *Wilson Bulletin* 80:490.
- Cracraft, J. 1969. Notes of fossil hawks. *Auk* 86:353-354.
- Cracraft, J. 1969. Systematics and evolution of the Gruiformes (Class Aves). 1. The Eocene family Geranoididae and the early history of the Gruiformes. *American Museum Novitates* No. 2388, pp. 1-41.
- Cracraft, J. and J. J. Morony. 1969. A new fossil woodpecker from the Pliocene of Nebraska with a review of the fossil Picidae. *American Museum Novitates* No. 2400, pp. 1-8.
- Cracraft, J. 1970. Mandible of *Archaeopteryx* provides an example of mosaic evolution. *Nature* 226:1268.
- Cracraft, J. 1970. A new species of *Telmabates* (Phoenicopteriformes) from the lower Eocene of Patagonia. *Condor* 72:479-480.
- Cracraft, J. 1970. [Review of] "Adaptations for locomotion and feeding in the Anhinga and Double-crested Cormorant" by O.T. Owre. *Bird-Banding* 41:165-167.
- Cracraft, J. 1971. Caenagnthiformes: Cretaceous birds convergent in jaw mechanism to dicynodont reptiles. *Journal of Paleontology* 45:805-809.

- Cracraft, J. 1971. The relationships and evolution of the rollers: families Coraciidae, Brachypteraciidae, and Leptosomatidae. *Auk* 88:723-752.
- Cracraft, J. 1971. The humerus of the early Miocene cracid, *Boreortalis laesslei* Brodkorb. *Wilson Bulletin* 83:200-201.
- Cracraft, J. 1971. Systematics and evolution of the Gruiformes (Class Aves). 2. Additional comments on the Bathornithidae, with descriptions of new species. *American Museum Novitates* No. 2449, pp. 1-14.
- Cracraft, J. 1971. The functional morphology of the hind limb of the Domestic Pigeon, *Columba livia*. *Bulletin American Museum Natural History* 144:171-268.
- Cracraft, J. 1971. A new family of hoatzin-like birds (Order Opisthocomiformes) from the Eocene of South America. *Ibis* 113:229-233.
- Cracraft, J. 1971. [Review of] "A comparative study of the egg-white proteins of passerine birds" by C.G. Sibley. *Bird-Banding* 42:157-161.
- Cracraft, J. 1972. A new Cretaceous charadriiform family. *Auk* 89:36-46.
- Cracraft, J. and P. V. Rich. 1972. The systematics and evolution of the Cathartidae in the Old World Tertiary. *Condor* 74:272-283.
- Cracraft, J. 1972. The relationships of the higher taxa of birds: problems in phylogenetic reasoning. *Condor* 74:379-392.
- Cracraft, J. 1972. Continental drift and Australian avian biogeography. *Emu* 72:171-174.
- Cracraft, J. 1972. [Review of] "Darwin's Islands/A natural history of the Galapagos" by I. Thornton. *Auk* 89:464-465.
- Cracraft, J. 1973. The systematics and evolution of the Gruiformes (Class Aves). 3. Phylogeny of the suborder Grues. *Bulletin American Museum Natural History* 151:1-127.
- Cracraft, J. 1973. Continental drift, palaeoclimatology, and the evolution and biogeography of birds. *Journal of Zoology* 169:455-545.
- Cracraft, J. 1973. Vertebrate evolution and biogeography in the Old World tropics: implications of continental drift and palaeoclimatology. In *Implications of continental drift to the earth sciences* (D. H. Tarling and S. K. Runcorn, Eds.), pp. 373-389. London: Academic Press.

- Cracraft, J. 1974. Continental drift and vertebrate distribution. *Annual Review Ecology and Systematics* 5:215-261.
- Cracraft, J. 1974. Phylogenetic models and classification. *Systematic Zoology* 23:71-90.
- Cracraft, J. 1974. [Review of] "The philosophy of biology" by M. Ruse. *Systematic Zoology* 23:143-146.
- Cracraft, J. 1974. Phylogeny and evolution of the ratite birds. *Ibis* 116:494-521.
- Cracraft, J. [Review of] "Evolution of the rails of the South Atlantic Islands (Aves: Rallidae)" by S.L. Olson. *Wilson Bulletin* 86:484-485.
- Cracraft, J. 1975. Mesozoic dispersal of terrestrial faunas around the southern end of the world. *Memoirs Museum National D'Histoire Naturelle (Paris)*. 88:29-54.
- Cracraft, J. 1975. Historical biogeography and earth history: perspectives for a future synthesis. *Annals Missouri Botanical Garden* 62:227-250.
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