

CURRICULUM VITAE

David P. Mindell, Ph.D.

Dean of Science
Harry W. and Diana V. Hind Chair
California Academy of Sciences
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Research Interests

Evolutionary genetics and systematics of birds; phylogenetics theory; molecular evolution; genomics; rates of evolution; macroevolution; conservation genetics; coevolution of retroviruses and avian hosts; evolution and phylogeny of viruses

Education

Postdoctoral Fellow	1987-88	Harvard University, Cambridge, Massachusetts
Ph.D.	1986	Brigham Young University, Provo, Utah
M.S.	1978	West Virginia University, Morgantown, West Virginia
B.S.	1975	Prescott College, Prescott, Arizona

Career Profile

2008-present	Dean of Science and Research Collections, and Curator of Birds, California Academy of Sciences
1994-2008	Full (2003), Associate (2000) and Assistant Professor of Ecology and Evolutionary Biology and Curator of Birds, University of Michigan, Department of Ecology and Evolutionary Biology and Museum of Zoology
2003-2005	Director, Museum of Zoology and Herbarium, University of Michigan
2002-2003	Interim Director, Museum of Zoology, University of Michigan
1998-2008	Director, Genomic Diversity Laboratory, University of Michigan Museum of Zoology
1989-1994	Associate and Assistant Professor of Biology, University of Cincinnati; Adjunct Curator of Birds Cincinnati Museum of Natural History
1988-1989	Visiting Assistant Professor, Texas Tech University; Visiting Postdoctoral Fellow in A. C. Wilson's laboratory, University of California at Berkeley

- 1987-1988 Post-doctoral Fellow, Harvard University, Museum of Comparative Zoology, and Biological Laboratories, and Teaching Fellow, Dept. of Cellular and Developmental Biology
- 1986 George S. Wise Post-doctoral Fellow at Tel Aviv University, Israel
- 1985-1986 Research Associate and Assistant Curator of Birds and Reptiles, Monte L. Bean Life Sciences Museum, Brigham Young University
- 1983-1986 Research Assistant, Teaching Assistant, and Ph.D. student at Brigham Young University. Curatorial Assistant for the Monte L. Bean Life Science Museum Bird Range
- 1979-1983 Wildlife Biologist GS-11 Bureau of Land Management, Alaska. Lead survey expeditions for nesting Peregrine Falcons and other bird species on 28 different rivers in southwestern Alaska. Research on distribution and abundance of passerine birds, shorebirds, and waterfowl

Scientific Publications

- 96) Mindell, D. P. 2009. Evolution in the Everyday World. **Scientific American** 300:82-89.
- 95) Brown, J. W. and D. P. Mindell. 2009. Strigiformes. Pp. 451-453 in S. B. Hedges and S. Kumar, eds. *The Timetree of Life*. **Oxford University Press**
- 94) Brown, J. W. and D. P. Mindell. 2009. Apodiformes. Pp. 454-456 in S. B. Hedges and S. Kumar, eds. *The Timetree of Life*. **Oxford University Press**
- 93) Brown, J. W. and D. P. Mindell. 2009. Falconiformes. Pp. 436-439 in S. B. Hedges and S. Kumar, eds. *The Timetree of Life*. **Oxford University Press**
- 92) Johnson, J. A., R. E. Tingay, M. Culver, F. Hailer, M. L. Clarke and D. P. Mindell. 2009. Long-term survival despite low genetic diversity in the critically endangered Madagascar fish-eagle. **Molecular Ecology** 18:54-63
- 91) Johnson, J. A., M. Gilbert, M. Z. Virani, M. Asim and D. P. Mindell. 2008. Temporal genetic analysis of the critically endangered oriental white-backed vulture in Pakistan. **Biological Conservation** 141:2403-2409.
- 90) Lerner, H. R. L., M. C. Klaver and D. P. Mindell. 2008. Molecular phylogenetics of Buteoninae birds of prey (Aves: Accipitridae). **The Auk** 125:304-315.
- 89) Brown, J. W., J. S. Rest, J. Garcia-Moreno, M. D. Sorenson, and D. P. Mindell. 2008. Strong mitochondrial DNA support for a Cretaceous origin of modern avian lineages. **BMC Biology** 2008, 6:6 doi:10.1186/1741-7007-6-6

- 88) Mindell, D. P. 2007. This land is your land. **Evolutionary Psychology** 5:605-611.
- 87) Johnson, J. A., K. K. Burnham, W. A. Burnham, and D. P. Mindell. 2007. Genetic structure identified among continental and island populations of gyrfalcons. **Molecular Ecology** 16:3145–3160
- 86) Johnson, J. A., R. Thorstrom, and D. P. Mindell. 2007. Systematics and conservation of the hook-billed kite including the island taxa from Cuba and Grenada. **Animal Conservation** 10:349-359.
- 85) Brown, J. W., R. B. Payne, and D. P. Mindell. 2007. Nuclear DNA does not reconcile 'rocks' and 'clocks' in Neoaves: A Comment on Ericson et al. **Biology Letters** 2007 3:3; DOI 10.1098/rsbl.2006.0611
- 84) Watanabe M., M. Nikaido, T. T. Tsuda, T. Kobayashi, D. P. Mindell, Y. Cao, N. Okada, and M. Hasegawa. 2006. New candidate species most closely related to penguins. **Gene** 378:65-73.
- 83) Mindell, D. P. 2006. The Evolving World: Evolution in Everyday Life. **Harvard University Press**. 341 pp.
<<http://www.hup.harvard.edu/catalog/MINEVO.html>>
- 82) Johnson, J. A., H. R. L. Lerner, Pamela C. Rasmussen and D. P. Mindell. 2006. Systematics within *Gyps* vultures: a clade at risk. **BMC Evolutionary Biology** 2006, 6:65. (doi:10.1186/1471-2148-6-65)
- 81) Watanabe, M., M. Nikaido, T. T. Tsuda, H. Inoko, D. P. Mindell, K. Murata and N. Okada. 2006. The rise and fall of the CR1 subfamily in the lineage leading to penguins. **Gene**. 365:57-66.
- 80) Johnson, J. A., R. T. Watson, and D. P. Mindell. 2005. Prioritizing species conservation: does the Cape Verde kite exist? **Proceedings of the Royal Society London B**. 272:1365-1371.
- 79) Lerner, H. L. and D. P. Mindell. 2005. Phylogeny for eagles, Old World vultures and other Accipitridae taxa based on nuclear and mitochondrial DNA. **Molecular Phylogenetics and Evolution** 37:327-346.
- 78) Mindell, D. P. 2005. Evolution helps solve crimes. Pp. 173-177 in Cracraft, J. and R. Bybee (eds.) *Evolutionary Science and Society: Educating a New Generation*. **Biological Sciences Curriculum Study**, Colorado Springs, Colorado.
- 77) Hietpas, J., L. K. McMullan, D. P. Mindell, J. L. Hanson, and C. M. Rice. 2005. Keeping track of viruses. Pp. 55-97 in R. G. Breze, B. Budowle and S. E. Schutzer (eds.), *Microbial and Viral Forensics*. **Wiley-Liss**.

- 76) Mindell, D. P., J. S. Rest, and L. P. Villarreal. 2004. Viruses and the tree of life. Pp. 107-118 *in* Cracraft, J. and M. J. Donoghue (eds.), *Assembling the Tree of Life*. **Oxford University Press**, New York.
- 75) Cracraft, J., F. Keith Barker, M. J. Braun, J. Harshman, G. Dyke, J. Feinstein, S. Stanley, A. Cibois, P. Schikler, P. Beresford, J. García-Moreno, M. D. Sorenson, T. Yuri, and D. P. Mindell. 2004. Phylogenetic Relationships Among Modern Birds (Neornithes): Toward an Avian Tree of Life. Pp. 468-489 *in* Cracraft, J. and M. J. Donoghue (eds.), *Assembling the Tree of Life*. **Oxford University Press**, New York.
- 74) Rest J. S., and D. P. Mindell. 2003. SARS-CoV has a recombinant polymerase and coronaviruses have a history of host shifting. **Infection, Genetics and Evolution** 3:219-225.
- 73) Rest, J. R., J. C. Ast, C. C. Austin, P. J. Waddell, E. A. Tibbetts, J. M. Hay and D. P. Mindell. 2003. Molecular systematics of Reptilia and the tuatara mitochondrial genome. **Molecular Phylogenetics and Evolution** 29:289-297.
- 72) Lee, S-I. C. S. Parr, Y. Hwang, D. P. Mindell, and J. C. Choe. 2003. Phylogeny of magpies (genus *Pica*) inferred from mtDNA data. **Molecular Phylogenetics and Evolution** 29:250-257.
- 71) Sorenson, M. D., E. Oneal, J. García-Moreno, and D. P. Mindell. 2003. More taxa, more characters: the hoatzin problem is still unresolved. **Molecular Biology and Evolution** 20:1484-1499.
- 70) García-Moreno, J., M. D. Sorenson and D. P. Mindell. 2003. Congruent avian phylogenies inferred from mitochondrial and nuclear DNA sequences. **Journal of Molecular Evolution** 57:27-37.
- 69) Rest, J. S. and D. P. Mindell. 2003. Retroviruses in Archaea: phylogeny and lateral origins. **Molecular Biology and Evolution** 20:1134-1142.
- 68) Metzker, M. L., D. P. Mindell, X.-M. Liu, R. G. Ptak, R. A. Gibbs and D. M. Hillis. 2002. Molecular evidence of HIV-1 transmission in a U.S. criminal case. **Proceedings of the National Academy of Sciences USA** 99:14292-14297.
- 67) Dimcheff, D. D., S. V. Drovetski, and D. P. Mindell. 2002. Molecular evolution and systematics of tetraoninae and other Galliformes using mitochondrial 12S and ND2 genes. **Molecular Phylogenetics and Evolution** 24:203-215.
- 66) Dimmic, M. W., J. S. Rest, D. P. Mindell, and R. A. Goldstein. 2002. rtREV: a substitution matrix for inference of retrovirus and reverse transcriptase phylogeny. **Journal of Molecular Evolution** 55:65-73.

- 65) Yuri, T. and D. P. Mindell. 2002. Molecular phylogenetic analysis of nine-primaried oscines (Aves: Passeriformes: Fringillidae). **Molecular Phylogenetics and Evolution** 23:229-243.
- 64) Mindell, D. P. 2002. Birds. *In* M. Pagel, ed. Encyclopedia of Evolution. Vol. 1, pp. 110-117. **Oxford University Press**.
- 63) Meshnick, S. R., P. A. Hossler, K. S. Enger, P. Kazanjian, J. S. Rest, D. P. Mindell, B. Li, C.-H. Lee, L. F. Nimri, J. L. Carter, C. B. Beard, C. Del Rio, L. Huang. 2001. Distribution of DHPS Mutations Among ITS Subtypes of *P. carinii* f. sp. *hominis*. **Journal of Eukaryotic Microbiology** 126S-128S Suppl. S 2001.
- 62) Herlocher M. L., S. Elias, R. Truscon, S. Harrison, D. P. Mindell, C. Simon, and A. S. Monto. 2001. Ferrets as a transmission model for Influenza: Sequence changes in Type A (H3N2) virus. **Journal of Infectious Diseases** 184:542-546.
- 61) Mindell, D. P. and A. Meyer. 2001. Homology evolving. **Trends in Ecology and Evolution** 16:434-440.
- 60) Dimcheff, D. E., M. Krishnan, and D. P. Mindell. 2001. Evolution and characterization of Tetraonine Endogenous Retrovirus (TERV): a new virus related to avian sarcoma and leukosis viruses. **Journal of Virology** 75:2002-2009.
- 59) Cao, Y., M. D. Sorenson, Y. Kumazawa, D. P. Mindell, and M. Hasegawa. 2000. Phylogenetic position of turtles among amniotes: evidence from mitochondrial and nuclear genes. **Gene** 259:139-148.
- 58) García-Moreno, J. and D. P. Mindell. 2000. Using homologous genes on opposite sex chromosomes (gametologs) in phylogenetic analysis: a case study with avian CHD. **Molecular Biology and Evolution** 17:1826-1832.
- 57) Dimcheff, D. E., S. V. Drovetski, M. Krishnan, and D. P. Mindell. 2000. Cospeciation and horizontal transmission of Avian Sarcoma and Leukosis Virus *gag* genes in galliform birds. **Journal of Virology** 74:3984-3995.
- 56) Dimmic, M. W., D. P. Mindell, R. A. Goldstein. 2000. Modeling evolution at the protein level using an adjustable amino acid fitness model. **Pacific Symposium on Biocomputing** 5:18-29.
- 55) Morey, R. N., D. P. Mindell, and D. A. Bloom. 2000. The leech and the physician: biology, etymology and medical practice with *Hirudinea medicinalis*. **World Journal of Surgery** 24:878-883.

- 54) Waddell, P. J., Y. Cao, M. Hasegawa, and D. P. Mindell. 1999. Assessing the Cretaceous superordinal divergence times within birds and placental mammals using whole mitochondrial protein sequences and an extended statistical framework. **Systematic Biology** 48:119-137.
- 53) Mindell, D. P., M. D. Sorenson, D. E. Dimcheff, M. Hasegawa, J. C. Ast, and T. Yuri. 1999. Interordinal relationships of birds and other reptiles based on whole mitochondrial genomes. **Systematic Biology** 48:138-152.
- 52) Koshi, J. M., D. P. Mindell, and R. A. Goldstein. 1999. Using physical-chemistry based substitution models in phylogenetic analyses of HIV-1 subtypes. **Molecular Biology and Evolution** 16:173-179.
- 51) Sorenson, M. D., J. C. Ast, D. E. Dimcheff, T. Yuri, and D. P. Mindell. 1999. Primers for a PCR-based approach to mitochondrial genome sequencing in birds and other vertebrates. **Molecular Phylogenetics and Evolution** 12:105-114.
- 50) Miranda, H.C., D.P. Mindell and R.S. Kennedy. 1999. The molecular phylogeography of Philippine Scops-Owl and implications for ornithology. **Sylvatrop**. 7:12-26.
- 49) Mindell, D. P., M. D. Sorenson, D. E. Dimcheff. 1998. An extra nucleotide is not translated in mitochondrial ND3 of some birds and turtles. **Molecular Biology and Evolution** 15:1568-1571.
- 48) Mindell, D. P., M. D. Sorenson, D. E. Dimcheff. 1998. Multiple independent origins of mitochondrial gene order in birds. **Proceedings of the National Academy of Sciences USA** 95:10693-10697.
- 47) Mindell, D. P., and M. D. Sorenson. 1998. Testing the root of the avian tree and the phylogenetic position of Passeriformes. *In* N. J. Adams and R. H. Slotow, eds. **Proceedings 22nd International Ornithological Congress**, Durban, South Africa.
- 46) Koshi, J. M., D. P. Mindell, R. A. Goldstein. 1997. Beyond mutation matrices: Physical-chemistry based evolutionary models. Pp. 80-89 *in* S. Miyano and T. Takagi, eds. Genome Informatics Series, No. 8. **Universal Academy Press**, Tokyo.
- 45) Mindell, D. P., ed. 1997. Avian Molecular Evolution and Systematics. **Academic Press**, New York.
- 44) Miranda, H. R. S. Kennedy and D. P. Mindell. 1997. The phylogenetic placement of *Mimizuku gurneyi* inferred from mitochondrial DNA. **Auk** 114:315-323.
- 43) Mindell, D.P., M. D. Sorenson, C. J. Huddleston, H. Miranda, A. Knight, S. J. Sawchuk, and T. Yuri. 1997. Phylogenetic relationships among and within select avian orders based on mitochondrial DNA. Pp. 211-245 *in* D. P.

Mindell, ed. Avian Molecular Evolution and Systematics. **Academic Press**, New York.

- 42) Lane, B. R., Ast, J. C., Hossler, P. A., Mindell D. P., Bartlett, M. S., Smith, J. W., and S. R. Meshnick. 1997. Dihydropteroate synthase polymorphisms in human-derived *Pneumocystis carinii*: suggest a response to selective pressure from sulfa drugs. **Journal of Infectious Disease** 175:482-485.
- 41) Mindell, D. P. and C. E. Thacker. 1996. Rates of molecular evolution: phylogenetic issues and applications. **Annual Review of Ecology and Systematics** 27:279-303.
- 40) Mindell, D. P. 1996. Positive selection and rates of evolution in immunodeficiency viruses from humans and chimpanzees. **Proceedings of the National Academy of Sciences USA** 93:3284-3288.
- 39) Quinn, T. W., and D. P. Mindell. 1996. Mitochondrial gene order adjacent to the control region in crocodile, turtle and tuatara. **Molecular Phylogenetics and Evolution** 5:344-351.
- 38) Mindell, D. P., A. Knight, C. Baer, and C. J. Huddleston. 1996. Slow rates of molecular evolution in birds and the metabolic rate and body temperature hypotheses. **Molecular Biology and Evolution** 13:422-426.
- 37) Farris, J. S., M. Källersjö, V. A. Albert, M. Allard, A. Anderberg, B. Bowditch, C. Bult, J. M. Carpenter, T. M. Crowe, J. De Laet, K. Fitzhugh, D. Frost, P. Goloboff, C. J. Humphries, U. Jondelius, D. Judd, P. O. Karis, D. Lipscomb, M. Luckow, D. P. Mindell, J. Muona, K. Nixon, W. Presch, O. Seberg, M. E. Siddall, L. Strue, A. Tehler, J. Wenzel, Q. Wheeler, W. Wheeler. 1995. Explanation. **Cladistics** 11:211-218.
- 36) Govindaswami, M., D. J. Feldhake, B. K. Kinkle, D. P. Mindell, and J. C. Loper. 1995. Phylogenetic comparison of two polycyclic aromatic hydrocarbon (PAH) degrading Mycobacteria. **Applied and Environmental Microbiology** 61:3221-3226.
- 35) Mindell, D. P., J. W. Shultz, and P. Ewald. 1995. The AIDS pandemic is new, but is HIV new? **Systematic Biology** 44:77-92.
- 34) Knight, A. and D. P. Mindell. 1995. Weighting of nucleotide sequences: a reply. **Systematic Biology** 44:112-116.
- 33) Seutin, G., B. F. Lang, D. P. Mindell, and R. Morais. 1994. Evolution of the WANCY region in amniote mitochondrial DNA. **Molecular Biology and Evolution** 11:329-340.

- 32) Knight R. A., and D. P. Mindell. 1994. The phylogenetic relationship of Colubrinae, Elapidae and Viperidae and the evolution of front-fanged venom systems in snakes. **Copeia** 1994:1-9.
- 31) Mindell, D.P. 1993. Merger of taxa and the definition of monophyly. **BioSystems** 31:130-133.
- 30) Knight, A., D. Styer, S. Pelikan, J. A. Campbell, L. D. Densmore III, and D. P. Mindell. 1993. Choosing among hypotheses of rattlesnake phylogeny: a best-fit rate test for DNA sequence data. **Systematic Biology** 42:356-367.
- 29) Knight R. A., and D. P. Mindell. 1993. Substitution bias, a priori weighting of DNA sequence change, and the phylogenetic position of *Azemiops feae*. **Systematic Biology** 42:18-31.
- 28) Mindell, D. P. 1992. Phylogenetic consequences of symbioses: Eukarya and Eubacteria are non-monophyletic taxa. **BioSystems** 27:53-62.
- 27) Mindell, D. P. 1992. DNA-DNA hybridization and avian phylogeny. **Systematic Biology** 41:126-134.
- 26) Mindell, D. P., C. W. Dick, and R. J. Baker. 1991. Phylogenetic relationships among megabats, microbats and primates. **Proceedings of the National Academy of Sciences USA** 88:10322-10326.
- 25) Mindell, D. P. 1991. Similarity *and* congruence as criteria for molecular homology. **Molecular Biology and Evolution** 8:897-900.
- 24) Mindell, D. P. 1991. DNA sequence alignments and the role of homology. Pp. 73-89 in *Phylogenetic Analysis of DNA sequences*. M. M. Miyamoto and J. Cracraft, eds. **Oxford Univ. Press**, New York.
- 23) Ellis, D. H., C. H. Ellis, and D. P. Mindell. 1991. Raptor responses to low-level jet aircraft and sonic booms. **Environmental Pollution** 74:53-83.
- 22) Mindell, D. P., J. W. Sites, Jr., and D. Graur. 1990. Assessing the relationship between speciation and evolutionary change. **Cladistics** 6:393-398.
- 21) Mindell, D. P., and R. L. Honeycutt. 1990. Ribosomal RNA in vertebrates: evolution and phylogenetic applications. **Annual Review of Ecology and Systematics** 21: 541-566.
- 20) Mindell, D. P., J. W. Sites, Jr., and D. Graur. 1990. Mode of allozyme evolution: Increased genetic distance associated with speciation events. **Journal of Evolutionary Biology** 3:125-131.

- 19) Mindell, D. P., and R. L. Honeycutt. 1989. Variability in transcribed regions of rDNA and early divergences in birds. **Auk** 106:539-549.
- 18) Cracraft, J., and D. P. Mindell. 1989. The early history of modern birds: a comparison of molecular and morphological evidence. Pp. 389-403 In The hierarchy of life. B. Fernholm, K. Bremer and H. Jörnvall, eds. Proc. of Nobel Symposia. **Elsevier Science Publishers**, Amsterdam.
- 17) Mindell, D. P., J. W. Sites, Jr., and D. Graur. 1989. Speciation evolution: a phylogenetic test with allozymes in *Sceloporus* (REPTILIA). **Cladistics** 5:49-61.
- 16) Mindell, D. P., and C. M. White. 1988. Fluctuations of observed breeding Rough-legged Hawks and Gyrfalcons: regularity reconsidered. **Oecologia** 77:14-18.
- 15) Mindell, D. P. 1988. The Rough-legged Hawk (*Buteo lagopus*). Pp. 152-179 in Handbook of North American Birds Vol. 5. R. S. Palmer, ed. **Yale University Press**, New Haven.
- 14) Mindell, D. P., and J. W. Sites, Jr. 1987. Tissue expression patterns of avian isozymes: a preliminary study of phylogenetic applications. **Systematic Zoology** 36:137-152.
- 13) Mindell, D. P., J. A. Albuquerque, C. M. White. 1987. Breeding population fluctuations in some raptors. **Oecologia** 72:382-388.
- 12) Mindell, D. P. 1987. First record of nesting in Israel for the Namaqua Dove (*Oena capensis*). **Israel Journal of Zoology** 34: 237-238.
- 11) Mindell, D. P. 1985. Biogeography of New World migrant raptors: a review. Pp. 369-385 in M. Harwood, ed. Proceedings of Hawk Migration Conference IV. Hawk Migration Assoc. of North America.
- 10) Mindell, D. P. 1985. Plumage variation and winter range of the Harlan's Hawk (*Buteo jamaicensis harlani*). **American Birds** 39:123-132.
- 9) Mindell, D. P., and H. L. Black. 1984. Combined-effort hunting by Chestnut-mandibled Toucans. **Wilson Bulletin** 96:319-321.
- 8) Mindell, D. P., and M. H. Mindell. 1984. Raptor migration through northwestern Canada and eastern Alaska, Spring 1982. **Raptor Research** 18:10-15.
- 7) Springer, A. M., W. Walker II, R. W. Risebrough, D. Benfield, D. H. Ellis, W. G. Mattox, D. P. Mindell, and D. G. Roseneau. 1984. Origins of organochlorines accumulated by Peregrine Falcons breeding in Alaska and Greenland. **Canadian Field Naturalist** 98:159-166.

- 6) Mindell, D. P., and D. E. Samuel. 1984. Habitat use by Red-tailed Hawks in surface-mined areas. **Minerals and the Environment** 6:144-149.
- 5) Mindell, D. P. 1983. Harlan's Hawk (*Buteo jamaicensis harlani*): a valid subspecies. **Auk** 100:161-169.
- 4) Mindell, D. P. 1983. Nesting raptors in southwestern Alaska; status, distribution and aspects of biology. Technical Publication 8. Bureau of Land Management, Alaska State Office, Anchorage. BLM/AK/TR-83/08. 59 pp.
- 3) Craighead, F. C., and D. P. Mindell. 1981. Nesting raptors in western Wyoming; 1947 and 1975. **Journal of Wildlife Management** 45:865-872.
- 2) Mindell, D. P., and R. A. Dotson. 1981. Distribution and abundance of nesting raptors in western Alaska. Pp. 112-137 in Proceedings of a symposium: Raptor management and biology in Alaska and western Canada. Ladd, W. N. and P. F. Schempf, eds. U. S. Fish and Wildlife Service, Anchorage, Alaska. FWS/AK/PROC-82.
- 1) Craighead, F. L., D. P. Mindell, D. Craighead. 1981. Satellite radiotracking of eagles. Pp. 295-302 in Proceedings of a symposium: Raptor management and biology in Alaska and western Canada. Ladd, W. N. and P. F. Schempf, eds. U. S. Fish and Wildlife Service, Anchorage, Alaska. FWS/AK/PROC-82.

Published Book Reviews

- Mindell, D. P. 2009. Humans Need Biodiversity. A Review of "Sustaining Life: How Human Health Depends on Biodiversity" **Science** in press.
- Mindell, D. P. 2009. Review of "Natural Security: A Darwinian Approach to a Dangerous World" **Quarterly Review of Biology** in press.
- Mindell, D. P. 2005. Review of "Viruses and the Evolution of Life" by L. P. Villarreal. **Quarterly Review of Biology** 80:478-479.
- Mindell, D. P. 1994. Review of "MacClade: Analysis of Phylogeny and Character Evolution" by D. Maddison and W. Maddison. **Auk** 111:1035-1036.
- Mindell, D. P. 1991. Review of "Fundamentals of Molecular Evolution" by W.-H. Li and D. Graur. **American Journal of Human Genetics** 49:1132-1134.

Electronic Publications

- Mindell, D. P. and C. Fauquet. 2005/2007. Viruses: Tree of Life Web Project. <http://tolweb.org/tree?group=Viruses>
- Mindell, D. P. and J. W. Brown. 2005/2008. Neornithes: Modern Birds: Tree of Life Web Project (major revision of Mindell 1997)
- Mindell, D. P. 1997. Neornithes: Modern Birds
<<http://phylogeny.arizona.edu/tree/eukaryotes/animals/chordata/dinosauria/aves/neornithes.html>>. Series of copyrighted WWW pages for the internet "Tree of Life"
<<http://phylogeny.arizona.edu/tree/phylogeny.html>>.

Letters

- Mindell, D. P. 2009. Letter to Linnaeus. *In* Q. Wheeler, Ed. Letters to Linnaeus, **Linnean Society of London**.
- McFeely, W. S. et al. 2007. "No" to U.S. Atrocities. **New York Review of Books** (August, 16 2007).
- Mindell, D. P. 2007. Materialist Agenda. **Times Literary Supplement** (May 30, 2007).
<http://tls.timesonline.co.uk/article/0,,25390-2645358,00.html>
- Mindell, D. P. and L. P. Villarreal. 2003. Don't forget about viruses. **Science** 302:1677.
- Mindell, D. P. 1997. "Misleading" molecules? **Science** 276:1629.

Honors and Awards

- Visiting Darwin Scholar**, University of North Carolina at Wilmington (19-21 March 2009)
- Fellow of the American Ornithologists' Union** (August 2008)
- Fellow of Radcliffe Institute for Advanced Study**, Harvard University (in residence at Harvard, September 2006 - June 2007)
- Independent Publisher Gold Medal Award**, for "The Evolving World: Evolution in Everyday Life" (May 2007)
- Gordon Conference Invited Speaker**, Pisa, Italy (May 2003)
- Visiting Professor**, University of Konstanz, Germany (20 May - 1 July 2000)
- Excellence in Research Award**, University of Michigan, College of Literature, Science & the Arts (July 1999)
- Visiting Professor**, Mayo Clinic, Department of Biochemistry and Molecular Biology (7-12 March 1999)
- Visiting Professor**, The Institute of Statistical Mathematics, Tokyo, Japan (March - June 1998)
- Young Investigator Award**, Sigma Xi, University of Cincinnati (May 1993)
- George S. Wise Post-doctoral Fellow**, Tel Aviv University, Israel (1986)

Editorial Boards

- 2007-present: **Quarterly Review of Biology** (Board member and Book review consultant; University of Chicago Press)
- 2007-present: **BMC Evolutionary Biology** (Associate Editor; BioMed Central, Ltd.)
- 2005-2007: **BMC Evolutionary Biology** (Editorial Board; BioMed Central, Ltd.)
- 2003-present: **Molecular Phylogenetics and Evolution** (Board member; Academic Press)
- 2000-present: **Infection, Genetics and Evolution** (Board member; Elsevier Science Press)
- 1999-present: **Israel Journal of Zoology** (Board member; Laser Pages Publishing, Ltd.)