

CURRICULUM VITAE



JOHN A. WIENS

Chief Conservation Science Officer
PRBO Conservation Science

Education:

University of Oklahoma, Norman, 1957-1961. B.S. 1961. Major: Zoology
University of Wisconsin, Madison, 1961-1966. M.S. 1963, Ph.D. 1966. Major: Zoology; Minor: Botany
Held NSF Summer Research Fellowships, 1960, 1961, 1963

Non-academic Appointments:

Lead Scientist, The Nature Conservancy, Arlington, VA (2002-2005)
Chief Scientist, The Nature Conservancy, Arlington, VA (2005-2008)
Chief Conservation Science Officer, PRBO Conservation Science, Petaluma, VA (2008-)

Academic Appointments:

1959-1961. Research Assistant, Department of Zoology, University of Oklahoma
1961-1966. Teaching Assistant and Museum Curator, Department of Zoology, University of Wisconsin
1966-1969. Assistant Professor, Department of Zoology, Oregon State University
1969-1975. Associate Professor, Department of Zoology, Oregon State University
1972. Visiting Professor, University of Oklahoma Biological Station
1973-1974. Visiting Research Associate, Natural Resource Ecology Laboratory, Colorado State University
1975-1978. Professor, Department of Zoology, Oregon State University
1976-1978. Acting Chairman, Department of Zoology, Oregon State University
1978-1986. Distinguished Professor, Department of Biology, University of New Mexico
1984-1985. Visiting Professor, School of Biological Sciences, The University of Sydney, Australia
1986-2002. Professor of Ecology, Department of Biology, Colorado State University
1986-2002. Senior Ecologist, Graduate Degree Program in Ecology, Colorado State University
1986-2002. Adjunct Distinguished Professor of Biology, University of New Mexico
1989. Visiting Research Professor, University of Oslo, Norway
1993-1994. Visiting Research Professor, University of British Columbia, Vancouver
1996. Visiting Research Scientist, CSIRO Division of Wildlife and Ecology, Darwin, Australia
1999-2002. University Distinguished Professor, Colorado State University

2002- Emeritus University Distinguished Professor, Colorado State University

Honors and Awards:

Fulbright Senior Scholar Award for studies in Australia, 1984-1985.
 Visiting Scientist Award, Norwegian National Science Foundation, 1989.
 Elliott Coues Award, American Ornithologists' Union, 1991.
 Best Paper in the Discipline of Landscape Ecology, International Association for Landscape Ecology (U.S. Regional Chapter), 1994.
 College of Natural Sciences Faculty Graduate Teaching Award, Colorado State University, 1995.
 Distinguished Landscape Ecologist Award, International Association for Landscape Ecology (U.S. Regional Chapter), 1996.
 Visiting Scientist, Co-operative Research Center for the Sustainable Development of Tropical Savannas, CSIRO, Darwin, Australia, 1996.
 Sabbatical Fellow, National Center for Ecological Analysis and Synthesis (NCEAS), Santa Barbara, CA, 2000-2001.
 Distinguished Service Award, International Association for Landscape Ecology, 2003
 Loye and Alden Miller Research Award, Cooper Ornithological Society, 2005
 Distinguished Alumnus Award, College of Letters and Science, University of Oklahoma, 2008

Professional Activities:

Member, Editorial Advisory Board, *The Wildlife Professional* (2007-)
 Editor-in-Chief, IALE Series in Landscape Ecology, Cambridge University Press (2001-)
 Member, Editorial Board, *Landscape Ecology* (1992-)
 Member, Editorial Board, *Ecosystems* (1999-2009)
 Member, Editorial Board, *Avian Conservation and Ecology* (2006-2009)
 Member, Forest Research Advisory Committee, US Department of Agriculture (2005-2008)
 Member, Scientific Advisory Board, Yale Global Forestry Institute (2005-2008)
 Member, Editorial Board, *Acta Zoologica Academiae Scientiarum Hungaricae* (1993-2000)
 Member, Scientific Advisory Committee, Luquillo LTER, Puerto Rico (1994-1998)
 Board Member, NatureServe (2002-2003)
 Board Member, David H. Smith Fellowship Program (The Nature Conservancy) (2002-2004)
 Chairman, External Science Review Committee, The Nature Conservancy (2000-2001)
 President, International Association for Landscape Ecology (1996-1999)
 Organizer, 5th World Congress, International Association for Landscape Ecology (1999)
 Member, Editorial Board, *Ecological Applications* (1995-2001)
 Editor, *Cambridge Studies in Ecology* (1992-2002)
 Co-organizer, Symposium on Seabird Populations and the Exxon Valdez Oil Spill, American Ornithologists' Union, Fairbanks (1993)
 Member, Academic Advisory Board, Graduate Program in Environmental Sciences, Central European University (1991-2001)
 Director, Seabird Damage Assessment Research, Exxon Company USA (1990-2000)
 Convenor, Symposium on "The Generality of Community Concepts in Avian Ecology", 20th International Ornithological Congress, Christchurch, New Zealand (1990)
 Co-leader, Workshop on Landscape Ecology, University of Oslo (1989)
 Member, Technical Advisory Committee on the Exxon Valdez (1989-90)
 Member, Technical Advisory Committee, Interagency Spotted Owl Committee, U.S. Government (1989)
 Member, Quality Review Board, Oregon-Washington Marine Mammal and Seabird Survey, Mineral Management Service and Envirosphere (1988-91)
 Katharine P. Douglass Distinguished Lecturer, Rocky Mountain Biological Laboratory (1987)
 Member, Editorial Board, *Current Ornithology* (1987-2001)
 Member, Environmental Advisory Committee, Fermi National Accelerator Laboratory (1986-1990)
 Editorial Consultant, *Biological Abstracts* (1984-2000)
 Coucillor-at-Large, U.S. Regional Association, International Association for Landscape Ecology (1986-88)
 Member, Task force on Landbird Research, Point Reyes Bird Observatory, California (1987-88)
 Member, Advisory Committee on Large-scale Ecosystem Research, NSERC (Canada) (1986-88)
 Member, Blue Ribbon Panel on Mono Lake (State of California) (1985-88)

Special Features Editor, *Ecology* (1986-88)
 Member, Publications Committee, Ecological Society of America (1985-88)
 External Advisor, Chaco Ecosystem Management, Argentina Council for Scientific and Technological Research (1985)
 Member, Scientific Evaluation Team, Swedish Research Programs in Terrestrial Vertebrate Ecology (NCE-SNV) (1983)
 Participant, Landscape Ecology Workshop (NSF) (1983)
 Visiting Lecturer, Alaskan Wilderness and Wildlands Planning and Management Program (San Francisco State University Extended Education) (1984)
 Editor, *The Auk* (American Ornithologists' Union) (1976-84)
 Council Member-At-Large, Ecological Society of America (1981-83)
 Past-Treasurer, American Ornithologists' Union (1974-1976)
 Past-Chairman, Oregon State University Faculty of Ecology
 Past-President, Oregon State University Chapter of Sigma Xi
 Convenor, Symposium on Avian Ecology, XVII International Ornithological Congress (Berlin, 1978)
 External Reviewer, Management Plan for Birds of Prey Study Area (BLM) (1979)

Invited Addresses (selected):

Invited symposium presentation, Cooper Ornithological Society/American Ornithologists' Union/Canadian Ornithological Society, San Diego (2010)
 Keynote address, Natural Resources and Science Symposium, National Park Service (2010)
 Keynote address, 2009 State of the Laguna Conference, Santa Rosa, CA (2009)
 Keynote address, Latin American Landscape Ecology Conference, Campos do Jordão, Brazil (2009)
 Co-Convenor, The Challenges of Conserving Wildlife in a Changing Climate, The Wildlife Society, Monterey, CA (2009)
 Invited symposium presentation, Advocacy, Science, Policy, and Professional Societies, The Wildlife Society, Monterey, CA (2009)
 Keynote address, Department of Defense Conference on Sustaining Military Readiness, Phoenix, AZ (2009)
 Keynote address, II Jornadas Argentinas de Ecología Paisajes, Córdoba, Argentina (2009)
 Invited Symposium presentation, AAAS, Chicago (2009)
 Invited presentation, Arthur M. Sackler Colloquium, "Biogeography, Changing Climates and Niche Evolution", National Academy of Sciences, Irvine, CA.
 Invited testimony, US House of Representatives hearing on the Global Decline of Bird Populations (2008)
 Plenary speaker, Governor's Conference on the Illinois River, Peoria IL (2007)
 Banquet speaker, Cooper Ornithological Society, Moscow ID (2007)
 Paul L. Errington Memorial Lecture, Iowa State University (2007)
 Plenary speaker, International Association for Landscape Ecology Congress, The Netherlands (2007)
 Plenary speaker, International Conference on Rivers and Civilization, LaCrosse, WI (2006)
 Speaker and contributor, Workshop on Landscape Design Principles in Resource Management, Australia (2006)
 Speaker, Conference on "Scaling our Science", Queensland, Australia (2005)
 Keynote speaker, US IALE annual symposium, Syracuse, NY (2005)
 Speaker, Finnish Institute of Environmental Sciences (2004)
 Keynote speaker, Symposium on Dispersal in Fragmented Landscapes, Louvain-la-Neuve, Belgium (2003)
 Plenary speaker, Western Section, The Wildlife Society, Irvine, CA (2003)
 Speaker, Tropical Savannas Cooperative Research Centre Symposium on Managing for Heterogeneity: Maintaining Savanna Wildlife, Darwin, Australia (2002)
 Keynote speaker, First International Symposium on Riverine Landscapes, Ascona, Switzerland (2001)
 Speaker, CNRS Conference on the Evolution of Dispersal, France (1999)
 Plenary speaker, British Ecological Society Symposium: The Ecological Consequences of Habitat Heterogeneity, UK (1999)
 Concluding Address, Conference on Predicting Species Occurrences: Issues of Accuracy and Scale (1999)
 plenary speaker, Ecological Society of Australia, Fremantle (1999)
 plenary speaker, INTECOL, Italy (1998)

speaker, Symposium on Darwin in Chiloe', Chile (1998)
 speaker, Graduate School Functional Ecology, The Netherlands (1998)
 symposium speaker, Chilean Ecological Society and Biological Society of Chile (1997)
 plenary speaker, Workshop on Scaling and Experiments in Ecology, Maryland (1997)
 speaker, Conference on Restoration of Lost Human Uses of the Environment, Washington DC (1997)
 speaker, University of Oslo, Norway (1996)
 speaker, CSIRO Research Laboratories in Darwin, Alice Springs, Canberra, and Townsville, Australia (1996)
 plenary speaker, European Ecological Congress, Hungary (1995)
 keynote speaker, Conference on "Threats to Seabirds," Scotland (1995)
 speaker, Cary Conference VI: Enhancing the Ecological Basis of Conservation, Millbrook, NY (1995)
 keynote speaker, Symposium on Biodiversity, Oklahoma Academy of Sciences, Norman (1994)
 speaker, Symposium on Bird Conservation: the Science and the Action, England (1994)
 plenary speaker, SETAC-Europe (UK) symposium on Ecotoxicology: Ecological Dimensions, England (1994)
 speaker, Symposium on Metapopulations and Wildlife Conservation and Management, The Wildlife Society First Annual Conference, Albuquerque (1994)
 speaker, NCE Workshop on Biodiversity in Forest Ecosystems, Sweden (1992)
 speaker, Jacques Monod Conference on Evolutionary and Behavioral Ecology, Aussois, France (1992)
 speaker, NCE course on Landscape Ecology: Status and Prospects, Løvlia, Norway (1991)
 Plenary Dedication Lectures, Faculty of Biological Sciences, Universidad Catolica de Chile, Santiago (1990)
 plenary speaker, 19th International Congress of the International Union of Game Biologists, Trondheim, Norway (1989)
 speaker, SCOPE Workshop on Landscape Boundaries and Ecotones, Paris (1988)
 plenary speaker, Fourth Landscape Ecology Symposium, Fort Collins, Colorado (1989)
 participant, workshop on "Predicting Across Scales: Theory Development and Testing," Oak Ridge, Tennessee (1988)
 speaker, NCE Course on Competition Deduced from Community Data, Tvarminne, Finland (1982)

Professional Societies:

American Institute of Biological Sciences	International Association for Landscape Ecology
American Ornithologists' Union (Fellow)	Phi Sigma
British Ecological Society	Sigma Xi
Cooper Ornithological Society	Society for Conservation Biology
Ecological Society of America	Wilson Ornithological Society
The Wildlife Society	

Major Research Interests:

Conservation: integrating science into conservation action.
Landscape ecology: boundary dynamics, spatial and temporal scaling, effects of patch dynamics on populations, effects of land use on biodiversity and community structure, landscape-mosaic approaches to conservation and reserve design, integrating landscape ecology into conservation and management.
Community ecology: community assembly, multivariate analysis of community structure.
Arid-land ecology: vertebrate and invertebrate community structure, causes and consequences of environmental patchiness, movement behavior.
Seabird ecology: community dynamics, effects of oil spills.

Research Support:

Aspects of Avian Ecology in Grassland (NSF, 1966-1969)
 Avian Populations and Trophic Relationships in North American Grasslands (Grassland Biome, U.S.

- International Biological Program; NSF, (1969-1971)
- Patterns of Variation in Bird Populations in Grassland and Their Role in Controlling Ecosystem Function (Grassland Biome, U.S. IBP; NSF, 1972-1974)
- Avian Community Structure in Western Cold Shrubsteppe (OSU Graduate Research Council)
- Ecology and Systematics of Gull Hybridization and Evolution in the Pacific Northwest (OSU Graduate Research Council, American Philosophical Society)
- Simulation Modelling of Avian Population Bioenergetics and Social Systems (IBP Grassland Biome)
- Energetics and Ecological Impacts of Granivorous Bird Populations (NSF, 1974-1976)
- IBP International Synthesis Activities on Granivorous Bird Populations (4 grants under PL-480 through The Smithsonian Institution for work in Poland, 1983-1986)
- Avian Responses to Environmental Heterogeneity in Arid Shrubsteppe Systems (NSF, 1975-1980)
- Community Structure, Distribution and Interrelationships of Marine Birds in the Gulf of Alaska (NOAA, 1976-1977)
- Simulation Modeling of Marine Bird Population Energetics, Food Consumption, and Sensitivity to Perturbation (NOAA, 1977-1981)
- Dynamics of Small Mammal Populations during Post-logging Succession in Southeast Alaska (with B. Van Horne) (USFS, 1977-1980)
- Patch Dynamics in Shrubsteppe Ecosystems: Plant Chemistry, Arthropod Distributions, and the Role of Avian Predators (NSF, 1981-1984)
- The Effects of Clear-cut Logging on Food Quality and Availability for Wildlife Species (with B. Van Horne) (USFS, 1981-1983)
- Bird Population and Community Patterns in shrub desert habitats: testing hypotheses of intercontinental convergences (NSF, 1984-1985)
- Bird Communities in Australian and North American arid zones (National Geographic Society, 1984-1985)
- Patch Dynamics in Shrubsteppe Ecosystems: Plant Chemistry, Arthropod Distributions, and the Role of Avian Predators (NSF, 1984-1985)
- Collaborative Research on Spatial Scaling and the Effects of Patch-Mosaic Structure in Semiarid Ecosystems (NSF, 1988-1993)
- Spatial Scaling: Its Analysis and Effects on Animal Movements in Semiarid Landscape Mosaics (DOE, 1988-1992)
- A Hierarchical Concept of Patchiness: Implications for the Foraging behavior of Hummingbirds (NSF, 1989-1990)
- The Interrelationships of Land-use Patterns and Biodiversity in the Chaco Savannas of Argentina (U.S. MAB, 1990-1993)
- Assessment of the impact of the Exxon Valdez oil spill on marine birds (Exxon Company, U.S.A., 1991-1993)
- Ecological Mechanisms and Scaling in Heterogeneous Grassland Ecosystems (NSF, 1992-1995)
- Integrating Mathematical and Simulation Models of Populations and Landscape Mosaics (NSF, 1994-1998)
- Developing a Theoretical Foundation for Landscape Ecology (NATO, 1994-1997)
- Within- and Across-site variation in ant community structure and ecosystem function at three semiarid LTER sites (NSF, 1995-1999)
- Effects of Changing Land Use on Wildlife Diversity (Colorado Division of Wildlife, 1996-1999)
- Methodologies for extrapolating from local to regional ecosystem scales: Scaling functions and thresholds in animal responses to landscape pattern and land use (EPA, 1998-2002)

Publications:

Books:

- Wiens, J.A. (Ed.) 1972. Ecosystem structure and function. Corvallis, Oregon, Oregon State Univ. Press. 176 pp. (Also printed in a Japanese edition).
- Risser, P.G., E.C. Birney, H.D. Blocker, S.W. May, W.J. Parton, and J.A. Wiens. 1981. The true prairie ecosystem. Stroudsburg, Pennsylvania, Hutchinson & Ross Publ. Co. 544 pp.
- Wiens, J.A. 1989. The Ecology of Bird Communities. Vol. 1. Foundations and Patterns. Cambridge University Press. 539 pp. (issued in paperback 1992)
- Wiens, J.A. 1989. The Ecology of Bird Communities. Vol. 2. Processes and Variations. Cambridge University Press. 316 pp. (issued in paperback 1992)

- Wiens, J.A. and M.R. Moss (Eds.). 1999. *Issues in Landscape Ecology*. International Association for Landscape Ecology. 151pp.
- Wiens, J.A., and M.R. Moss (eds.) 2005. *Issues and Perspectives in Landscape Ecology*. Cambridge University Press. 390 pp.
- Wiens, J.A., , M.R. Moss, D.J.Mladenoff, and M.G. Turner (eds.). 2007. *Foundation Papers in Landscape Ecology*. Columbia University Press. 582 pp.
- Liu, J., V. Hull, A. Morzillo, and J.A. Wiens (eds.). In press. *Sources, sinks and sustainability across landscapes*. Cambridge University Press.
- Wiens, J.A., G. Hayward, C. Regan, and H. Safford (eds.). In press. *Historical environmental variation in conservation and natural resource management*. Wiley-Blackwell.

Peer-reviewed Papers:

1963. Wiens, J.A. Aspects of cowbird parasitism in southern Oklahoma. *Wilson Bull.* 75: 130-139.
1965. Wiens, J.A. Nest parasitism of the Dickcissel by the Yellow-billed Cuckoo. *Southwestern Naturalist* 10: 142.
 Wiens, J.A. Behavioral interactions of Red-winged Blackbirds and Common Grackles on a common breeding ground. *Auk* 82: 356-374.
 Emlen, J.T., and J.A. Wiens. The Dickcissel invasion of 1964 in southern Wisconsin. *Passenger Pigeon* 27: 51-59.
1966. Wiens, J.A. Notes on the distraction display of Virginia Rail. *Wilson Bull.* 78: 229-231.
 Wiens, J.A. On group selection and Wynne-Edwards' hypothesis. *Amer. Sci.* 54: 273-287.
 Wiens, J.A. A specimen of the Vermillion Flycatcher from Oklahoma. *Condor* 68: 398.
 Wiens, J.A., and J.T. Emlen. Post-invasion status of the Dickcissel in southern Wisconsin. *Passenger Pigeon* 28:63-69.
1967. Wiens, J.A. An instrument for measuring light intensities in dense vegetation. *Ecology* 48:1006-1008.
1969. Wiens, J.A. An approach to the study of ecological relationships among grassland birds. *Ornithol. Monogr.* 8:1-93.
1970. Wiens, J.A., S.G. Martin, W.R. Holthaus, and F.A. Iwen. Metronome timing in behavioral ecology studies. *Ecology* 51:350-352.
 Moldenhauer, R.R., and J.A. Wiens. The water economy of the Sage Sparrow, *Amphispiza belli nevadensis*. *Condor* 72:265-275.
 Wiens, J.A. Effects of early experience on substrate pattern selection in *Rana aurora* tadpoles. *Copeia* (1970): 543-548.
 Wiens, J.A. Habitat heterogeneity and avian consumer populations in grasslands. Pp. 77-83 in *Grassland ecosystems: reviews of research* (R.T. Coupland and G.M. Van Dyne, Eds.). Fort Collins, Colorado, Range Sci. Dept., Sci. Ser. No. 7, Colorado State University.
1971. Wiens, J.A. "Egg-dumping" by Grasshopper Sparrow in a Savannah Sparrow nest. *Auk* 88:185-186.
 Wiens, J.A. Pattern and process in grassland bird communities. Pp. 147-211 in *Preliminary analysis of structure and function in grasslands* (N.R. French, Ed.). Fort Collins, Colorado, Range Sci. Dept. Sci. Ser. No. 10, Colorado State University.
1972. Wiens, J.A. Anuran habitat selection: early experience and substrate selection in *Rana cascadae* tadpoles. *Anim. Behav.* 20:218-220.
1973. Wiens, J.A. Pattern and process in grassland bird communities. *Ecol. Monogr.* 43:237-270.
 Wiens, J.A. Interterritorial habitat variation in Grasshopper and Savannah sparrows. *Ecology* 54:877-884.

- Wiens, J.A., and G.S. Innis. Estimation of energy flow in bird communities: II. A simulation model of activity budgets and population bioenergetics. *Proc. 1973 Summer Computer Simulation Conf.*, Montreal: 739-752.
- Wiens, J.A., and M.I. Dyer. Application of an avian bioenergetics simulation model to Red-winged Blackbird—crop relations. *Proc. 6th Bird Control Seminar*: 139-163.
1974. Wiens, J.A. Habitat heterogeneity and avian community structure in North American grasslands. *Amer. Midl. Natur.* 91:195-213.
- Wiens, J.A., and G.S. Innis. Estimation of energy flow in bird communities: a population bioenergetics model. *Ecology* 55:730-746.
- Wiens, J.A. Climatic instability and the “ecological saturation” of bird communities in North American grasslands. *Condor* 76:385-400.
1975. Wiens, J.A., and M.I. Dyer. Simulation modeling of Red-winged Blackbird impact on grain crops. *J. Appl. Ecol.* 12:63-82.
- Scott, J.M., J.A. Wiens, and R.R. Claeys. Organochlorine levels associated with a Common Murre die-off in Oregon. *J. Wildl. Mgmt.* 39:310-320.
- Wiens, J.A., and R.A. Nussbaum. Model estimation of energy flow in northwestern coniferous forest bird communities. *Ecology* 56:547-561.
- Wiens, J.A., and M.I. Dyer. Rangeland avifaunas: their composition, energetics, and role in the ecosystem. *Proc. Symp. on Management of Forest and Range Habitats for Nongame Birds. USDA Forest Serv. Gen. Tech. Rept. WO-1:146-182.*
- Wiens, J.A. Avian communities, energetics and functions in coniferous forest habitats. *Proc. Symp. on Management of Forest and Range Habitats for Nongame Birds. USDA Forest Serv. Gen. Tech. Rept. WO-1:226-265.*
- Wiens, J.A., and J.M. Scott. Model estimation of energy flow in Oregon coastal seabird populations. *Condor* 77:439-452.
- Wiens, J.A. Systematics and ecology of interbreeding in west coast gull (*Larus*) populations. *Yearbook Amer. Philos. Soc.* 372-373.
1976. Rotenberry, J.T., and J.A. Wiens. A method for estimating species dispersion from transect data. *Amer. Midl. Naturalist* 95:64-78.
- Wiens, J.A. Population responses to patchy environments. *Ann. Rev. Ecol. Syst.* 7:81-120.
- Ellis, J.E., J.A. Wiens, C.F. Rodell, and J.C. Anway. A conceptual model of diet selection as an ecosystem process. *J. Theor. Biol.* 61:93-108.
1977. Wiens, J.A., and M.I. Dyer. Assessing the potential impact of granivorous birds in ecosystems. Pp. 205-266 *In* Granivorous birds in ecosystems (J. Pinowski and S.C. Kendeigh, Eds.). Cambridge, Cambridge University Press.
- Wiens, J.A., and R.F. Johnston. Adaptive correlates of granivory in birds. Pp. 301-340 *In* Granivorous birds in ecosystems (J. Pinowski and S.C. Kendeigh, Eds.). Cambridge, Cambridge University Press.
- Kendeigh, S.C., J.A. Wiens, and J. Pinowski. Epilogue. Pp. 341-344 *In* Granivorous birds in ecosystems (J. Pinowski and S.C. Kendeigh, Eds.). Cambridge, Cambridge University Press.
- Wiens, J.A. On competition and variable environments. *Amer. Sci.* 65:590-597. [A citation classic, 1991]
- Wiens, J.A. Model estimation of energy flow in North American grassland bird communities. *Oecologia* 31:135-151.
1978. Hoffman, W., J.A. Wiens, and J.M. Scott. Hybridization between gulls (*Larus glaucescens* and *L. occidentalis*) in the Pacific Northwest. *Auk* 95:441-458.
1979. Wiens, J.A., and J.T. Rotenberry. Diet niche relationships among North American grassland and Shrubsteppe birds. *Oecologia* 42:253-292.
- Wiens, J.A. Summarizing remarks, Part II. Shorebirds in marine environments. *Studies in Avian Biol.* 2:259-261.
1980. Wiens, J.A., and J.T. Rotenberry. Patterns of morphology and ecology in grassland and

- shrubsteppe bird populations. *Ecol Monogr.* 50:287-308.
- Wiens, J.A., and J.T. Rotenberry. Bird community structure in cold shrub deserts: competition or chaos? *Acta 17th Intern. Ornithol. Congr.*, Berlin: 1063-1070.
- Wiens, J.A. Concluding comments: are bird communities real? *Acta 17th Intern. Ornithol. Congr.*, Berlin: 1088-1089.
- Rotenberry, J.T., and J.A. Wiens. Habitat structure, patchiness, and avian communities in North American steppe vegetation: a multivariate analysis. *Ecology* 61:1228-1250.
- Rotenberry, J.T., and J.A. Wiens. Temporal variation in habitat structure and shrubsteppe bird dynamics. *Oecologia* 47:1-9.
1981. Wiens, J.A. Single-sample surveys of communities: are the revealed patterns real? *American Naturalist* 117:90-98.
- Wiens, J.A., and J.T. Rotenberry. Habitat associations and community structure of birds in shrubsteppe environments. *Ecol. Mongr.* 51:21-41.
- Wiens, J.A., and J.T. Rotenberry. Morphological size ratios and competition in ecological communities. *Amer. Naturalist* 117:592-599.
- Pietruszka, R.D., J.A. Wiens, and C.J. Pietruszka. Leopard lizard predation on *Perognathus*. *J. Herp.* 15:249-250.
- Wiens, J.A., and J.T. Rotenberry. Censusing and the evaluation of avian habitat occupancy. In Estimating the numbers of terrestrial birds (J.M. Scott and C.J. Ralph, Eds.). *Studies in Avian Biol.* 6:522-532.
- Wiens, J.A. Scale problems in avian censusing. In Estimating the numbers of terrestrial birds (J.M. Scott and C.J. Ralph, Eds.). *Studies in Avian Biol.* 6:513-521.
- Hoffman, W., D. Heinemann, and J.A. Wiens. The ecology of seabird feeding flocks in Alaska. *Auk* 98:437-456.
- Wiens, J.A. On skepticism and criticism in ornithology. *Auk* 98:848-849.
- Rotenberry, J.T., and J.A. Wiens. A synthetic approach to Principal Component Analysis of bird/habitat relationships. Proc. Workshop on the Use of Multivariate Statistics in Studies of Wildlife Habitat (D.E. Capen, Ed.). *USDA Forest Serv. Gen. Tech. Rept. RM-87:197-198.*
1982. Ford, R.G., J.A. Wiens, D. Heinemann, and G.L. Hunt. Modelling the sensitivity of colonially breeding marine birds to oil perturbations: guillemot and kittiwake populations on the Pribilof Islands, Bering Sea. *J. Appl. Ecol.* 19:1-31.
- Wiens, J.A. Song pattern variation in the Sage Sparrow (*Amphispiza belli*): dialects or epiphenomena? *Auk* 99:208-229.
- Wiens, J.A. On size ratios and sequences in ecological communities: are there no rules? *Ann. Zool. Fennici* 19:297-308.
1983. Wiens, J.A. Competition or peaceful coexistence? *Nat. Hist.* 92(3):30-34.
- Wiens, J.A. Avian community ecology: an iconoclastic view. Pp. 355-403 In Perspectives in ornithology (A.H. Brush and G.A. Clark, Jr., Eds.). Cambridge, Cambridge Univ. Press.
- Wiens, J.A. Interspecific competition (Letter to the Editors). *Am. Sci.* 71:234-235.
- Wiens, J.A. Word processing versus writing. *Auk* 100:758.
1984. Wiens, J.A. Resource systems, populations, and communities. Pp. 397-436 In A new ecology: novel approaches to interactive systems (P.W. Price, C.N. Slobodchikoff, and W.S. Gaud, Eds.). New York, John Wiley & Sons.
- Wiens, J.A., R.G. Ford, and D. Heinemann. Information needs and priorities for assessing the sensitivity of marine birds to oil spills. *Biol. Conserv.* 28:21-49.
- Wiens, J.A. On understanding a non-equilibrium world: myth and reality in community patterns and processes. Pp. 439-457 In Ecological communities: conceptual issues and the evidence (D. R. Strong, Jr., D. Simberloff, L.G. Abele, and A.B. Thistle, eds.). Princeton Univ. Press, Princeton, NJ.
- Wiens, J.A. The place of long-term studies in ornithology. *Auk* 101:202-203.
- Wiens, J.A. Modeling the energy requirements of seabird populations. Pp. 255-284 In Seabird energetics (G.C. Whittow and H. Rahn, eds.). New York, Plenum Press.
1985. Wiens, J.A. Vertebrate responses to environmental patchiness in arid and semiarid ecosystems.

- Pp. 169-193 *In* The ecology of natural disturbance and patch dynamics. (S.T.A. Pickett and P.S. White, Eds.). New York, Academic Press.
- Wiens, J.A. Habitat selection in variable environments: shrub-steppe birds. Pp. 227-251 *In* Habitat selection in birds (M.L. Cody, Ed.). New York, Academic Press.
- Wiens, J.A., J.T. Rotenberry, and B. Van Horne. Territory size variations in shrubsteppe birds. *Auk* 102:500-505.
- Rotenberry, J.T., and J.A. Wiens. Statistical power analysis and community-wide patterns. *Amer. Nat.* 125:164-168.
- Wiens, J.A., R.G. Ford, and D. Heinemann. Simulation modeling of marine bird population energetics, food consumption, and sensitivity to perturbation. *U.S. Dept. Commer., NOAA, OCSEAP Final Rep.* 30:599-644.
- Wiens, J.A., and J.T. Rotenberry. The response of breeding passerine birds to rangeland alteration in a North American shrubsteppe locality. *J. Appl. Ecol.* 22:655-668.
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