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### **PROFESSIONAL EXPERIENCE**

Environmental Consultant and Principal, Curry & Kerlinger, L.L.C. (also Adjunct Professor, Collaborative Conservation Program, St. Francis University, Ebensburg, PA, 2005) and Independent Consulting	1994-
Director of Research - New Jersey Audubon Society and Director - Cape May Bird Observatory	1987-1994
Assistant Professor - University of Southern Mississippi	1985-1986
Postdoctoral Fellow - University of Calgary	1983-1985
Assistant Professor - Clemson University, South Carolina	1982-1983

### **EDUCATION**

State University of New York at Albany	Ph.D., Biology	1982
	M.S., Biology	1981
State College of New York at Oneonta	B.A., Biology	1976

**PROFESSIONAL AND POPULAR PUBLICATIONS:** Outstanding publication record in scientific and popular literature - 50+ papers (published in 4 countries), 5 books, 40+ popular articles, 100s of technical reports. List and samples available upon request.

### **BOOKS PUBLISHED:**

Kerlinger, P. 1989. *Flight Strategies of Migrating Hawks*. University of Chicago Press, Chicago, IL. pp. 374.

Kerlinger, P. 1995. *How Birds Migrate*. Stackpole Press, Harrisburg, PA. pp. 250.

Fowle, M., and P. Kerlinger. 2001. *New York City Audubon Society Guide to Finding Birds in the Metropolitan Area*. Cornell University Press, Ithaca, NY.

Blanchard, P., and P. Kerlinger. 2001. An Islanded Nature: Natural Area Conservation and Restoration in Western Staten Island including the Harbor Herons Region. Published by: Trust for Public Land and New York City Audubon, New York, NY.

Vezo, T., and P. Kerlinger. 2001. Wings in the Wild, Habits and Habitats of North American Birds. Stackpole Books, Mechanicsburg, PA.

Kerlinger, P. 2010. What's Killing Our Birds? Manuscript submitted for publication.

**HONORS/DISTINCTIONS:** Letters of Commendation - Director of US Fish & Wildlife Service – 1995; Governor of New Jersey – 1996; Expert Witness for State of New Jersey Department of Environmental Protection and US Justice Dept. (Endangered Species and Wetlands) – 1988-1995; Reviewer for National Academies of Science National Research Council - wind power and wildlife report - 2007

**MEMBERSHIP:** National Wind Coordinating Committee – Wildlife Working Group (1996-present); U. S. Fish and Wildlife Service's Communication Tower Working Group – Research Committee (1999-2004)

### **EXPERIENCE IN WIND POWER AND COMMUNICATION INDUSTRY** (1993-2004)

**Expertise:** Provide expert advice to corporations and nonprofit organizations regarding avian and habitat issues related to windpower and communication tower impacts to birds in North America, Europe, the Caribbean, and Central America

- Design and conduct Avian Risk Assessments at proposed wind power and communication tower sites (initial siting issues and assessment of overall avian risks) – Offshore and Onshore Projects

- Design and conduct postconstruction impact studies at wind turbine and communication tower facilities

- Design and conduct avian research prior to, during, and after construction of wind power facilities (monitoring)

- Consult on design of wind plants and communication towers for avian safety

- Provide expertise on reduction of risk at proposed and existing wind power and communication tower facilities

- Provide expertise regarding habitat management at proposed and existing wind power facilities

- Serve as a liaison to conservation community and regulatory community for wind power developers

- Provide expert testimony for permitting and other processes

\*\* Consulting to nonprofit environmental organizations on wildlife, habitat, and conservation issues and research.

Geographic Extent of Projects and Consulting: Vermont, New Hampshire, Maine, Massachusetts, New York, New Jersey, West Virginia, Ohio, Virginia, Maryland, Pennsylvania, Illinois, Indiana, Michigan, Iowa, Colorado, Wisconsin, Kansas, Louisiana, Oklahoma, Kentucky, Nevada, Montana, Wyoming, Washington, Texas, New Mexico, California, Newfoundland, Puerto Rico, Mexico, Spain (Andalucia, Galicia) – Projects now permitted in 20 states with projects constructed and operating in 17 states.

Companies: Zilkha Renewable Energy, PPM, Horizon, FPL Energy, Invenergy, Illinois Wind Power, Midwest Wind Energy, SeaWest Inc., Kenetech Windpower Inc., Atlantic Renewable Energy Corporation, Green Mountain Energy, Green Mountain Power Corporation, Vermont Department of Public Service, Public Service Company of Colorado, Excel, enXco, Distributed Generation Corporation, Cape Winds, US Cellular, Sprint, AT&T Wireless, KRKO Radio, Superior Renewable Energy, US Wind Force, PPM, RES, Iberdrola, Gamesa, Fishermen's Energy, AES, Cape Wind, etc.

Nonprofit Clients: U. S. Fish and Wildlife Service, Conservation Law Foundation, U.S. Fish and Wildlife Service, New York City Audubon Society, New York City Department of Parks and Recreation, Michigan State Police and Attorney General Office, US DOE - National Renewable Energy Laboratory, Federal Aviation Administration, St. Francis University, Texas Parks and Wildlife, Fermata Inc., U.S. Coast Guard – Cape May, NJ, Hawk Mountain Sanctuary, PA

Most Recent Success: Team leader for the Michigan Public Safety Communication Tower Project (Client - Michigan Attorney General's Office). Publication of research results (Ecological Applications 2009) on the role of FAA lights to collisions of night migrants at communication towers. Results of our work are now being used by the Federal Aviation Administration to redesign lights on communication towers across North America. Such lighting changes will likely save more than 1 million birds per year.

## **RECENT PEER-REVIEWED CONSERVATION PUBLICATIONS**

(all papers listed below have been based on carcasses collected via U.S. Fish and Wildlife Service Salvage Permit)

Gehring, J., P. Kerlinger, and A. M. Manville II. 2009. Communication towers, lights, and birds: successful methods of reducing the frequency of avian collisions. *Ecological Applications* 19: 505-514.

Gehring, J., P. Kerlinger, and A. M. Manville, II. 2011. The role of tower height and guy wires on avian collisions with communication towers. *Journal of Wildlife Management* 75: 848-855.

Kerlinger, P., J. Gehring, W.P. Erickson, R. Curry, A. Jain, and J. Guarnaccia. 2010. Night migrant fatalities and obstruction lighting at wind turbines in North America. *Wilson Journal of*

Ornithology 122: 744-754.

Kerlinger, P. J. Gehring, and R. Curry. 2011. Understanding bird collisions at communication towers and wind turbines: Status of impacts and research. *Birding* 43: 44-51.

Kerlinger, P., J. Gehring, J. Guarnaccia, D. Riser-Espinoza, and R. Curry. In Prep Avian collision fatalities at Public Safety Communication Towers in Michigan. - 2012. To be submitted for publication.

Kerlinger, P., J. Guarnaccia, A. Hasch, R. Curry, R. Cutler, L. Tran, J. Stewart, and D. Riser-Espinoza. 2012. Avian mortality at 50- and 60-m guyed towers in central California. *Condor* 114: 462-469.

(U.S. Fish and Wildlife Service biologist is a coauthor on two of the above papers [A. Manville] and a Michigan State University biologist is a coauthor [J. Gehring] on all of the above papers)