

SHAWN B. KING  
1981 Roanoke Avenue  
Sacramento CA 95838  
(916) 832-9593 sbkingster@gmail.com

EDUCATION:

University of California at Davis

MS degree in Ecology September 1996; Focus: Agroecology, systems level.

Thesis Title: Herbicide Use and Soil Resource Gradients in California Native Perennial Grass Restoration.

Oberlin College

BA in Geology awarded May 1988; undeclared minor in Biology;

Field work: Tropical Ecology in Costa Rica, 15 day OTS course, 1/88;

Field Geology, Indiana University Geologic Field Station, 7-8/87.

EXPERIENCE:

Director of Operations, Carroll-Loye Biological Research:

Assist the Research Director in all aspects of the business including preparation and editing of experimental protocols and support documents, conducting repellency tests, and meeting with regulatory officials. Act as back-up for all the duties of the Laboratory Director or the Field Manager if needed. Proactively organize information, documents, and work flow time line for all protocol development and results reporting tasks.

Post Graduate Researcher, UC SAREP NE-185 Project, 1999 to 2001:

- Development and design of trend data templates to be used nationwide by other participating states.
- Secondary, primary, and web literature searching, acquisition, analysis, and synthesis for all topics related food systems (production, distribution, and consumption) in three California counties.
- Analysis of trend data and authoring of a published report of results.

Research Assistant to Ann Thrupp, April 1999 to September 1999

- Secondary, primary, and web literature searching, acquisition, analysis, and synthesis for all topics related to sustainable agriculture in California.
- Casual and in-depth interviews with key players.
- Preparation of reports, graphics, and a literature database.  
Data presentation and analysis in Excel®.

Administrative Assistant, IPM Education and Publications, December 1996 to present:

- General office work and publications support including editing and preparation of documents for publication on the web.
- Design, creation and management of databases in FileMaker Pro®.
- Staff support for computer and software related questions, Macintosh® platform.

Technical Support, Bio-Integral Resource Center (BIRC), October 1994 to November 1996:

- Provided expert consulting on alternatives to pesticide use; responsible for researching, writing, editing, and layout of articles, guides, and manuals on cultural and biological pest control, agroforestry, and the integration of restoration ecology and production agriculture.
- Assisted field monitoring and worked with project staff, PCA's, and growers to refine the monitoring program for the Tomato Reference Field Monitoring Project, a program to reduce pesticide use in processing tomatoes by promoting optimized monitoring of pests and natural enemies in processing tomato fields.
- Assisted Dixon Resource Conservation District staff with planning, monitoring, and outreach for a project demonstrating the use of perennial grass cover crops to reduce herbicide use and costs for maintaining roadside drainage ditches.
- Provided general aid in fund raising efforts including developing and writing a grant for a two year project to train resource managers in sustainable grazing, the first successfully funded major project for BIRC's field station.
- Assisted design, construction and management of a low water use integrated organic farming system including sheep grazing, orchard, vegetable crop, and poultry production components at BIRC's field station in Winters.
- Troubleshooted computer software and hardware problems and provided guidance on networking and equipment purchases; created and managed databases in FileMaker Pro®.

Researcher, agAccess Information Service, December 1993 to October 1994:

- Retrieved, synthesized, and wrote reports on technical information about all aspects of agriculture, including rangeland restoration, walnut, almond, and grape production systems, and organic produce marketing research.
- Conducted informational interviews and telephone surveys with growers, PCA's, extensionists and researchers.
- Coordinated activities of field staff conducting interviews with growers and PCA's.
- Designed, programmed, and managed databases in FileMaker Pro® and FoxBase Pro® and completed financial analysis, graphing, and report generation in Excel®.

Research Consultant, The Nature Conservancy, April 1992 to Present:

- Designed, established monitoring protocols, conducted field data collection, and located, trained, and supervised occasional field monitoring staff for a study of the effects of burning, cultivating, and low-level herbicide use on the establishment and growth of drill-seeded native perennial grasses.

Post Graduate Researcher, UC Davis, September 1989 to February 1990:

- Designed, established monitoring protocols, and collected baseline data for a ten-year study of the impact of cattle grazing on perennial grasses and riparian vegetation, Upper Stony Creek Watershed Project.
- Conducted laboratory analysis of plant tissue potassium content and soil organic matter for a five year study of potassium dynamics and the effect of organic soil amendments in a cotton cropping system.

Tobey Farm, Dennis, Massachusetts, April 1989 to July 1989:

Acted as Field Manager and all-around farm worker, including greenhouse design and construction, interior and miscellaneous carpentry, assembly and management of the irrigation system, field prep and cultivation with a tractor and rototiller, nursery work, planting and propagation of field crops (mixed vegetables and perennials such as raspberries and flowering plants), and working as a clerk in the farm store.

Peace Corps, Paraguay, July 1998 to February 1989:

Acted as Agroforestry Extensionist bringing technical and organizational skills to farmers in rural Paraguay including nursery establishment, researching the biology and cultivation of native tree species, and teaching conservation, sanitation, and use of tree crops for cattle forage to local farmer's groups.

General Skills:

- Extensive experience with Macintosh computer systems and Word®, Excel®, FileMaker Pro®, JMP® (statistics program), AppleWorks®; E-mail and Internet software; some experience with PageMaker®, PowerPoint®, DOS and UNIX operating systems.
- Extensive experience compiling, reading, summarizing, and synthesizing literature on agricultural and ecological topics, as well as locating sources through searches using Agricola, CAB Abstracts, Current Contents (UC Library Database), the world wide web, and text-based indices for locating older documents.

Publications:

King, S., T. Drlik, L. Simon, and W. Quarles. 1996. Integrated Weed Management of Gorse. *The IPM Practitioner* 18(10): 1-9.

King, S. 1996. Managing the Blooming Algae. *The IPM Practitioner* 18(7): 1-11.

King, S. and W. Olkowski. 1991. Farmscaping and IPM. *The IPM Practitioner* 13(10): 1-12.

REFERENCES:

Gail Feenstra  
UC Sustainable Agriculture Research and Education Program  
University of California  
Davis, CA 95616  
(530) 752-8408

Dr. Mary Louise Flint  
IPM Education and Publications  
University of California  
Davis, CA 95616  
(530) 752-7692