

## FOR ADDITIONAL READING

- Anderson, E. 1952. *Plants, Man, and Life*. A delightful book that relates stories of human influences on plant speciation and evolution. Contains a useful, albeit outdated, summary of knowledge on the evolution of economically important plants.
- Balick, M. J. and P. A. Cox. 1996. *Plants, People and Culture: The Science of Ethnobotany*. Scientific American Library, New York.
- Briggs, D. and S. Walters. 1997. *Plant Variation and Evolution* (3<sup>rd</sup> edition). An introductory textbook of evolutionary processes in plants.
- Cronquist, A. 1988. *The Evolution and Classification of Flowering Plants* (2<sup>nd</sup> edition). Readable presentation of a widely followed arrangement of angiosperm families into subclasses.
- Dunn, G. and B. S. Everitt. 1982. *An Introduction to Mathematical Taxonomy*. Useful explanation of the philosophy and methods of numerical systematics.
- Grant, V. 1981. *Plant Speciation*, 2<sup>nd</sup> Edition. Highly recommended text dealing with speciation in plants, with chapters on hybridization, polyploidy, etc.
- Hall, B. G. 2001. *Phylogenetic trees made easy*. Introductory and easy to read manual covering the basics of phylogeny reconstruction. Chapters and examples on each of the major approaches, with a focus on molecular sequence data.
- Harlan, J. R. 1992. *Crops and Man*. Fine introduction to the origins of cultivated plants and problems in classification of crop plants and their weedy relatives.
- Kitching, I. J. *et al.* 1998. *Cladistics*. The theory and practice of parsimony analysis (2<sup>nd</sup> edition). A readable introduction to cladistic concepts, including character coding, cladogram construction, evaluating support, consensus trees.
- Jeffrey, C. 1973. *Biological Nomenclature*. For those who wish to delve into details of nomenclature beyond that provided in lecture.
- Jeffrey, C. 1982. *An Introduction to Plant Taxonomy*, 2<sup>nd</sup> Edition. A highly readable discussion of the philosophy and process of classification, and of nomenclature.
- Judd, W.S, *et. al.* 2002. *Plant Systematics: A Phylogenetic Approach*. Sinauer Press. 2<sup>nd</sup> Ed. An excellent textbook for plant systematics, with extensive data for the majority of plant families.
- Mabberly, D. J. 1997. *The Plant Book: A Portable Dictionary of the Higher Plants*. 2<sup>nd</sup> Ed. Useful dictionary of genera and families of angiosperms. Entries include number of species in the genus, geographic distribution, economic uses.
- McGregor, R. *et al.* 1986. *Flora of the Great Plains*. A flora (keys and descriptions; no illustrations or maps) to plants of the great plains, including western Iowa.
- Simpson, B. B. and M. Conner-Ogorzaly. 1995. *Economic Botany: Plants in Our World*. 2<sup>nd</sup> Ed. Wonderful introduction to economic plants as well as a useful reference work. Plants are arranged according to their usages, e.g. "stimulating beverages", "spices, herbs, and perfumes".
- Smartt, J. and N. W. Simmonds. 1995. *Evolution of Crop Plants*, 2<sup>nd</sup> edition. A nice reference work on crop plant evolution and taxonomic relationships of domesticated plants and their weedy relatives.

Sokal, R. R. and P. H. Sneath. 1973. <i>Numerical Taxonomy</i> . An advanced text dealing with numerical methods in taxonomy.
Stace, C. A. 1989. <i>Plant Taxonomy and Biosystematics</i> (2nd edition). A readable introductory textbook of plant taxonomy. Includes chapters on chemotaxonomy, chromosomes, breeding systems, and plant geography and ecology.
Stearn, W. T. 1983. <i>Botanical Latin</i> . For those who wish to dive into the fascinating world of Latin usage in taxonomy.
Stebbins, G. L. 1950. <i>Variation and Evolution in Plants</i> . A milestone book; advanced text treating processes of evolution in plants.
Vaughan, J. G. and C. A. Geissler. 1997. <i>The New Oxford Book of Food Plants</i> . Wonderful botanical compendium of what we eat, with pretty illustrations and concise descriptions.
Winston, J. E. 1999. <i>Describing Species: Practical Taxonomic Procedure for Biologists</i> . Terrific and highly readable explanation of most aspects of finding and describing new species, including a fine introduction to nomenclature.
Wolf, R. C. 1991. <i>Iowa's State Parks</i> . Nice handbook with maps and descriptions of many lovely places for botanical exploration.
Zohary, M. 1982. <i>Plants of the Bible</i> . Interesting and botanically accurate compendium.