

**A Field Naturalist's Reference Collection
for Tennessee and Nearby States
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The past twenty years have seen a virtual explosion of new publications in natural history. Many of them are very good. For this short bibliography, I have included some of the best of those publications, organized by the group of plants or animals they describe. I also have identified those books which are reasonably portable, by virtue of their size and weight, and useful as field guides, easily carried in the field for instant reference. Other books I have called "desk references," analogous to a physician's desk reference, and not necessarily very portable or organized as a field guide. The desk references often are large, heavy, and more detailed in their coverage, especially in providing details of the life histories and general ecology of the plants or animals they describe. This list is a beginning and an introduction, not an end. There are a great many natural history field guides and books available on today's market. The references I've included here are those I consider among the best of the group, based upon my perception of the commitment of their authors to accuracy, as well as my own experiences in using them.

For geographic area, I have focused upon eastern Tennessee and nearby states. In many cases, guides identify their region of coverage as "the Northeast," usually including a geographic area lying North and East of Tennessee. Because of the higher elevations of the Cumberland Plateau, Ridge and Valley, and Blue Ridge regions of Tennessee, field guides to natural history subjects from the northeastern United States remain appropriate for many parts of Tennessee. Ascending in elevation can be equivalent to a northward displacement in latitude, with a concomitant change in species of plants and animals. Species of more northern affinities often occur at higher elevations in the southern parts of their geographic ranges. When the guides listed here are taken together, their plants and animals represent a cross-section of eastern North American species with both northern and southern affinities, thereby giving the interested field naturalist reasonable access to a wealth of natural history information for the eastern United States. Where there are outstanding references from other states (e.g. Klemens's *Amphibians and Reptiles of Connecticut and Adjacent Regions*) or unique, valuable treatments of some group for all of North America (e.g. Brodo's *Lichens of North America*), I have identified those, as well. In general, the field guides cover a larger geographic area than the desk references, but not always.

For many groups of organisms, committees of professionals have recommended standard English and scientific names. So far, there are standard nomenclature committees for damselflies and dragonflies (odonates), butterflies, fish, amphibians and reptiles, and birds. When there is a reference for standard English and scientific names, it is listed with the appropriate taxonomic group. Because effective communication is based upon a shared and mutually understood vocabulary, such references facilitate communication, especially through standardization of English names. Standard English and scientific names should be used when they are available. The universal, technical names of plants and animals are appropriately called "scientific names," not "Latin" names, because the scientific names may be derived from Latin, Greek, or other languages. Likewise, standard English names are just that, "English" names, not "common names." Common names for a Spanish-speaking area will be very different from those of an English speaking area.

The internet resources listed here are only an introduction, a gateway, to a vast array of electronic information. I have emphasized those internet resources maintained by state and federal agencies and selected public institutions or museums. Agencies, colleges, universities, and museums generally have higher quality control and quality assurance standards, requirements, and capabilities than other organizations delivering electronic information for public use. Just the same as for information published by conventional means, *caveat emptor* applies to electronic information, as well, perhaps more so. Much modern electronic information is free and its value is proportionate to what you pay for it, in many cases.

This collection of references puts useful information about identification of species and their natural history at the finger tips of anyone with a serious interest in learning more about the natural world at their doorsteps. Such knowledge takes time, patience, discipline, and experience to assimilate; but once assimilated, it will pay immense dividends in satisfaction, understanding, and appreciation for a lifetime. Here's what you can do, either with your favorite group of species or with several groups of plants and animals:

- Learn as much as you can about what kinds of plants and animals are found in your area. Keep lists of what you see and when you see it on your own property or at a nearby park or refuge.
- Become certain of your knowledge through practice outdoors and consultation with more experienced naturalists – don't guess – it's not good enough. Be prepared to make and acknowledge mistakes.
- When you are confident of your knowledge, share it with others, especially youngsters, educators, and agency employees.
- Have fun doing it !!

Who knows? The knowledge you gain and share might even contribute to science-based conservation of biodiversity.

General Natural History

Bauer, J.A. 2011. Roan Mountain: History of an Appalachian Treasure. Natural History Press, Charleston, SC 190 pp.

Linzey, D.W. 2008. A Natural History Guide to Great Smoky Mountains National Park. University of Tennessee Press, Knoxville, TN. 292 pp. Note: D. Linzey is a Cornell Alumnus (Ph.D. 1966).

Mushrooms

Field Guides:

Lincoff, G.H. 1981. Audubon Society Field Guide to North American Mushrooms. Alfred A. Knopf, New York, NY. 926 pp.

McKnight, K.H. and Vera B. McKnight. 1987. A Field Guide to Mushrooms: North America. Houghton Mifflin Company, Boston, MA. 429 pp.

Roody, W.C. 2003. Mushrooms of West Virginia and the Central Appalachians. University Press of Kentucky, Lexington, KY. 520 pp.

Desk References:

Bessette, A.E. and A.R. Bessette. 1997. Mushrooms of Northeastern North America. Syracuse University Press, Syracuse, NY. 582 pp.

Miller, O.K., Jr. 1985. Mushrooms of North America. E.P. Dutton, New York, NY. 368 pp. (out-of-print, but worth searching for)

Mosses and Lichens

Field Guides:

McKnight, K.B., J.R. Rohrer, K.M. Ward, and W.J. Perdrizet. 2013. Common Mosses of the Northeast and Appalachians. Princeton University Press, Princeton, NJ. 391 pp.

McMullin, T. and F. Anderson. 2014. Common Lichens of Northeastern North America - A Field Guide.. Memoirs of the New York Botanical Garden, Volume 112. New York Botanical Garden Press, Bronx, NY. 180 pp.

Desk References:

Brodo, I. M., S. D. Sharnoff and S. Sharnoff. 2001. Lichens of North America. Yale University Press, New Haven, CT. 795 pp.

Lendemer, J.C., R.C. Harris, and E.A. Tripp. 2013. The Lichens and Allied Fungi of Great Smoky Mountains National Park - An Annotated Checklist with Comprehensive Keys. *Memoirs of the New York Botanical Garden*, Volume 104. New York Botanical Garden Press, Bronx, NY. 152 pp.

Internet Resources:

Lichens of North America

<http://www.lichen.com/>

Ferns

Field Guides:

Cobb, B., E. Farnsworth, and C. Lowe. 2005. *A Field Guide to the Ferns and Their Related Families of Northeastern and Central North America*. Houghton Mifflin Company, Boston, MA. 417 pp.

Evans, M. 2005. *Ferns of the Smokies*. Great Smoky Mountains Natural History Association, Gatlinburg, TN. 100 pp.

Desk References:

Gleason, H.A. and A. Cronquist. 1991. *Manual of Vascular Plants of Northeastern United States and Adjacent Canada*. 2nd ed. The New York Botanical Garden, Bronx, NY. 910 pp.

Holmgren, N.H. 1998. *Illustrated Companion to Gleason and Cronquist's Manual: Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada*. The New York Botanical Garden, Bronx, NY. 937 pp.

Lellinger, D.B. 1985. *A Field Manual of the Ferns and Fern-allies of the United States and Canada*. Smithsonian Institution, Washington, DC. 389 pp.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1968. *Manual of the Vascular Flora of the Carolinas*. University of North Carolina Press, Chapel Hill, NC. 1183 pp.

Rhoads, A. F. and T.A. Block. 2000. *The Plants of Pennsylvania: An Illustrated Manual*. University of Pennsylvania Press, Philadelphia, PA. 1061 pp.

Shaver, J.M. 1970. *Ferns of the Eastern Central States with Special Reference to Tennessee*. Dover Publications, New York, NY. 502 pp. (a reprint of the original, 1954 edition, *Ferns of Tennessee*).

Weakley, A.S., J.C. Ludwig and J.F. Townsend. 2012. *Flora of Virginia*. Botanical Research Institute of Texas Press, Fort Worth, TX. 1554 pp.

Internet Resources:

Flora of North America Project Online Database

http://flora.huh.harvard.edu:8080/flora/flora_page.jsp?flora_id=1

University of Tennessee Herbarium (includes lists and color photographs of Tennessee plants)

<http://tenn.bio.utk.edu/>

USDA/NRCS Plants Database (includes color photographs)

<http://plants.usda.gov/>

Grasses

Field Guides:

Brown, L. 1979. *Grasses: An Identification Guide*. Houghton Mifflin, Boston, MA. 240 pp.

Harrington, H.D. 1977. *How to Identify Grasses and Grasslike Plants: Sedges and Rushes*. Swallow Press, Chicago, IL. 142 pp.

Desk References:

Gleason, H. A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada. 2nd ed. The New York Botanical Garden, Bronx, NY. 910 pp.

Hitchcock, A. S. 1951. Manual of the Grasses of the United States, 2nd ed. U. S. Government Printing Office, Washington, DC. 1051 pp. (out-of-print, but reprint available from Dover Publications).

Holmgren, N. H. 1998. Illustrated Companion to Gleason and Cronquist's Manual: Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada. The New York Botanical Garden, Bronx, NY. 937 pp.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1968. Manual of the Vascular Flora of the Carolinas. University of North Carolina Press, Chapel Hill, NC. 1183 pp.

Rhoads, A. F. and T. A. Block. 2000. The Plants of Pennsylvania: An Illustrated Manual. University of Pennsylvania Press, Philadelphia, PA. 1061 pp.

Weakley, A.S., J.C. Ludwig and J.F. Townsend. 2012. Flora of Virginia. Botanical Research Institute of Texas Press, Fort Worth, TX. 1554 pp.

Internet Resources:

Manual of the Grasses of North America North of Mexico

<http://www.herbarium.usu.edu/grassmanual/>

University of Tennessee Herbarium (includes lists and color photographs of Tennessee plants)

<http://tenn.bio.utk.edu/>

USDA/NRCS Plants Database (includes color photographs)

<http://plants.usda.gov/>

Wildflowers

Field Guides:

Brandenburg, D.M. 2010. National Wildlife Federation Field Guide to Wildflowers of North America. Sterling Publishing, New York. 673 pp.

Carman, J.B. 2001. Wildflowers of Tennessee. Highland Rim Press, Tullahoma, TN. 427 pp.

Clemants, S. and C. Gracie. 2006. Wildflowers in the Field and Forest: A Field Guide to the Northeastern United States. Oxford University Press, New York, NY. 445 pp. (covers a region South to the northern borders of Tennessee and North Carolina)

Horn, D., T. Cathcart, and T.E. Hemmerly. 2005. Wildflowers of Tennessee, the Ohio Valley, and the Southern Appalachians. Lone Pine Publishing, Auburn, WA.

Justice, W.S., C.R. Bell, and A.H. Lindsey. 2005. Wild flowers of North Carolina, 2nd ed. University of North Carolina Press, Chapel Hill, NC. 325 pp.

Newcomb, L. 1977. Newcomb's Wildflower Guide. Little, Brown and Company, Boston, MA. 490 pp.

Peterson, R. T. and M. McKenny. 1968. A Field Guide to the Wildflowers of Northeastern and North-central North America. Houghton Mifflin Company, Boston, MA. 420 pp.

White, P., T. Condon, J. Rock, C.A. McCormick, P. Beaty, K. Langdon. 1996. Wildflowers of the Smokies. Great Smoky Mountains Natural History Association, Gatlinburg, TN. 240 pp.

Desk References:

Bentley, S.L. 2000. Native Orchids of the Southern Appalachian Mountains. University of North Carolina Press, Chapel Hill, NC. 235 pp.

Gleason, H. A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada. 2nd ed. The New York Botanical Garden, Bronx, NY. 910 pp.

Holmgren, N. H. 1998. Illustrated Companion to Gleason and Cronquist's Manual: Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada. The New York Botanical Garden, Bronx, NY. 937 pp.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1968. Manual of the Vascular Flora of the Carolinas. University of North Carolina Press, Chapel Hill, NC. 1183 pp.

Rhoads, A. F. and T. A. Block. 2000. The Plants of Pennsylvania: An Illustrated Manual. University of Pennsylvania Press, Philadelphia, PA. 1061 pp.

Weakley, A.S., J.C. Ludwig and J.F. Townsend. 2012. Flora of Virginia. Botanical Research Institute of Texas Press, Fort Worth, TX. 1554 pp.

Cultivation and Propagation:

Jones, S.B., Jr. and L.E. Foote. 1990. Gardening with Native Wildflowers. Timber Press, Portland, OR. 195 pp.

Internet Resources:

Flora of North America Project

<http://www.fna.org/FNA/>

University of Tennessee Herbarium (includes lists and color photographs of Tennessee plants)

<http://tenn.bio.utk.edu/>

USDA/NRCS Plants Database (includes color photographs)

<http://plants.usda.gov/>

Trees and Shrubs

Field Guides:

Kemp, S. 1993. Trees of the Smokies. Great Smoky Mountains Natural History Association, Gatlinburg, TN. 128 pp.

Petrides, G. A. 1988. Eastern Trees: Eastern United States and Canada. Houghton Mifflin Company, Boston, MA. 272 pp.

Petrides, G. A. 1972. A Field Guide to Trees and Shrubs: Northeastern and North-central United States and Southeastern and South-central Canada. 2nd ed. Houghton Mifflin Company, Boston, MA. 428 pp.

Wofford, B.E. and E.W. Chester. 2005. Guide to the Trees, Shrubs, and Woody Vines of Tennessee. University of Tennessee Press, Knoxville, TN. 272 pp.

Desk References:

Gleason, H. A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and

Adjacent Canada. 2nd ed. New York Botanical Garden, Bronx, NY. 910 pp.

Holmgren, N. H. 1998. Illustrated Companion to Gleason and Cronquist's Manual: Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada. New York Botanical Garden, Bronx, NY. 937 pp.

Radford, A.E., H.E. Ahles, and C.R. Bell. 1968. Manual of the Vascular Flora of the Carolinas. University of North Carolina Press, Chapel Hill, NC. 1183 pp.

Rhoads, A. F. and T. A. Block. 2000. The Plants of Pennsylvania: An Illustrated Manual. University of Pennsylvania Press, Philadelphia, PA. 1061 pp.

Weakley, A.S., J.C. Ludwig and J.F. Townsend. 2012. Flora of Virginia. Botanical Research Institute of Texas Press, Fort Worth, TX. 1554 pp.

Williams, D.D. 2011. The Forests of Great Smoky Mountains National Park - A Naturalist's Guide to Understanding and Identifying Southern Appalachian Forest Types, 2nd ed. Possum Publications, Athens, GA. 253 pp.

Internet Resources:

Flora of North America Project

<http://www.fna.org/FNA/>

National Plant Data Center, USDA, Natural Resources Conservation Service

<http://npdc.usda.gov/>

Silvics of North America, USDA, Forest Service

http://www.na.fs.fed.us/spfo/pubs/silvics_manual/table_of_contents.htm

University of Tennessee Herbarium (includes lists and color photographs of Tennessee plants)

<http://tenn.bio.utk.edu/>

USDA/NRCS Plants Database (includes color photographs and "standard" English names)

<http://plants.usda.gov/>

Illustrated Botanical Glossaries

Harris, J.G. and M.W. Harris. 2001. Plant Identification Terminology: An Illustrated Glossary, 2nd ed. Spring Lake Publishing, Spring Lake, UT. 206 pp.

Hickey, M. And C. King. 2000. Cambridge Illustrated Glossary of Botanical Terms. Cambridge University Press. 208 pp.

Spiders

Field Guides:

Bradley, R.A. and S. Buchanan. 2012. Common Spiders of North America. University of California Press, Oakland, CA. 288 pp.

Levi, H.W. and L.R. Levi 2001. Spiders and Their Kin (Golden Guide). St. Martin's Press.

Desk Reference:

Ubick, D., P. Paquin, P.E. Cushing, and V. Roth (eds.). 2009. Spiders of North America: An Identification Manual. American Arachnological Society, 377 pp.

Standard Reference for English and Scientific Names:

American Arachnological Society. 2003. Common Names of Spiders.

<http://www.americanarachnology.org/publications.html> (downloadable PDF file).

Damselflies and Dragonflies (Odonates)

Field Guides:

Dunkle, S. W. 2000. Dragonflies through Binoculars: A Field Guide to Dragonflies of North America. Oxford University Press, New York, NY. 266 pp.

Lam, E. 2004. Damselflies of the Northeast. Biodiversity Books, Forest Hills, NY. 96 pp.

Nikula, B., J.L. Loose, and M.R. Burne. 2003. A Field Guide to the Dragonflies and Damselflies of Massachusetts. Massachusetts Natural Heritage Program, Westborough, MA. 196 pp.

Nikula, B., J. Sones, D. Stokes, and L. Stokes. 2002. Stokes Beginner's Guide to Dragonflies and Damselflies. Little, Brown, Boston, MA. 159 pp.

Paulson, D. 2011. Dragonflies and Damselflies of the East. Princeton University Press, Princeton, NJ. 538 pp.

Desk References:

Needham, J. G. and M. J. Westfall, Jr. 2000. Dragonflies of North America. Rev. ed. Scientific Publishers, Gainesville, FL. 939 pp. (revised and updated edition of Needham and Westfall, 1955)

Needham, J. G. and M. J. Westfall, Jr. 1955. A Manual of the Dragonflies of North America (Anisoptera): Including the Greater Antilles and the Provinces of the Mexican Border. University of California Press, Berkeley, CA. 615 pp.

Westfall, M. J., Jr. and M. L. May. 1996. Damselflies of North America. Scientific Publishers: Distributors, Flora and Fauna Books, Gainesville, FL. 649 pp.

Standard Reference for English and Scientific Names:

Odonata of North America, Dragonfly Society of the Americas

Odonata Central: <http://www.odonatacentral.org/> .

Internet Resources:

Odonata Central: <http://www.odonatacentral.org/> .

Butterflies

Field Guides:

Allen, T.J., J.P. Brock, and J. Glassberg. 2005. Caterpillars in the Field and Garden: A Field Guide to the Butterfly Caterpillars of North America. Oxford University Press, New York, NY. 232 pp.

Brock, J.P. and K. Kaufman. 2003. Butterflies of North America.. Houghton Mifflin, New York, 384 pp.

Daniels, J.C. 2003. Butterflies of the Carolinas Field Guide. Adventure Publications.

Glassberg, J. 1999. Butterflies through Binoculars: The East. Oxford University Press, New York, NY. 242 pp.

Glassberg, J. 2012. A Swift Guide to Butterflies of North America. Sunstreak Books. 416 pp.

Glassberg, J., M.C Minno, and J.V. Calhoun. 2000. Butterflies through Binoculars: A Field, Finding, and

Gardening Guide to the Butterflies of Florida. Oxford University Press, New York, NY. 242 pp.

Wagner, D.L. 2005. Caterpillars of Eastern North America: A Guide to Identification and Natural History. Princeton University Press, Princeton, NJ. 496 pp.

Desk References:

Allen, T.J. 1997. Butterflies of West Virginia and Their Caterpillars. University of Pittsburgh Press, Pittsburgh, PA. 388 pp.

Cech, R. and G. Tudor. 2005. Butterflies of the East Coast: An Observer's Guide. Princeton University Press, Princeton, NJ. 345 pp.

Emmitt, R. 2005. Butterflies of the Carolinas and Virginias. CD-ROM. Metalmark Press.

Howe, W. H. 1975. The Butterflies of North America. Doubleday and Company, Garden City, NY. 633 pp.

Layberry, R.A., P.W. Hall, and J.D. Lafontaine. 1998. The Butterflies of Canada. University of Toronto Press, Toronto, Ontario. 280 pp.

Opler, P.A. and G.O. Krizek. 1984. Butterflies East of the Great Plains. Johns Hopkins University Press, Baltimore, MD. 294 pp.

Scott, J. A. 1986. The Butterflies of North America: A Natural History and Field Guide. Stanford University Press, Stanford, CA. 583 pp.

Standard Reference for English and Scientific Names:

Cassie, B., J. Glassberg, A. Swengel, and G. Tudor. 2001. Checklist and English Names of North American Butterflies, 2nd ed. North American Butterfly Association, Morristown, NJ. 59 pp.

Internet Resources:

Butterflies of North Carolina

<http://www.dpr.ncparks.gov/nbnc/index.html>

Butterflies and Moths of North America

<http://www.butterfliesandmoths.org/>

Other Insects

Field Guides:

Beadle, D. and S. Leckie. 2012. Peterson Field Guide to Moths of Northeastern North America. Houghton Mifflin, Boston, MA. 611 pp. (also available as an e-book).

Borror, D.J. and R.E. White. 1970. A Field Guide to the Insects of America North of Mexico. Houghton Mifflin, Boston, MA. 404 pp.

Capinera, J.L., R.D. Scott, and T.J. Walker. 2004. Field Guide to Grasshoppers, Katydid, and Crickets of the United States. Cornell University Press, Ithaca, NY. 249 pp.

Elliott, L. and W. Hershberger. 2007. The Songs of Insects. Houghton Mifflin Company, Boston, MA. 227 pp. (audio CD included).

Voshell, J.R., Jr. 2002. A Guide to Common Freshwater Invertebrates of North America. McDonald and Woodward Publishing Company, Blacksburg, VA. 442 pp.

White, R.E. 1963. A Field Guide to the Beetles of North America. Houghton Mifflin, Boston, MA. 368 pp.

Williams, P.m R. Thorp, L. Richardson, and S. Colla. 2014. An Identification Guide - Bumble Bees of North America. Princeton University Press, Princeton, NJ. 208 pp.

Desk References:

Arnett, R.H. 2000. American Insects – A Handbook of the Insects of America North of Mexico, 2nd ed. CRC Press, Boca Raton, FL. 1003 pp/

Borror, D.J., C.A. Triplehorn, and N.F. Johnson. 1989. An Introduction to the Study of Insects, 6th ed. Harcourt Brace College Publishers, New York, NY. 875 pp.

Internet Resources:

Butterflies and Moths of North America

<http://www.butterfliesandmoths.org/>

Songs of Insects (crickets, katydids, grasshoppers, and cicadas)

<http://songsofinsects.com/>

Insect, Spider, and Bug Identification

<http://www.insectidentification.org/>

Freshwater Fishes

Field Guides:

Page, L.M. and B.M. Burr. 1991. A Field Guide to Freshwater Fishes North America North of Mexico. Houghton Mifflin, Boston, MA. 432 pp.

Werner, R.G. 2004. Freshwater Fishes of the Northeastern United States: A Field Guide. Syracuse University Press, Syracuse, NY. 335 pp.

Desk References:

Cooper, E.L. 1983. Fishes of Pennsylvania and the Northeastern United States. Pennsylvania State University Press. University Park, PA. 243 pp.

Etnier, D.A. and W.C. Starnes. 1993. Fishes of Tennessee. University of Tennessee Press, Knoxville, TN. 681 pp.

Hubbs, C.L. and K.F. Lagler. 2004. Fishes of the Great Lakes Region. University of Michigan Press, Ann Arbor, MI. 179 pp.

Smith, C.L. 1994. Fish Watching: An Outdoor Guide to Freshwater Fishes. Cornell University Press. Ithaca, NY. 216 pp.

Standard Reference for English and Scientific Names:

Nelson, J.S., E.J. Crossman, H. Espinosa-Pérez, L.T. Findley, C.R. Gilbert, R.N. Lea, and J.D. Williams. 2004. Common and Scientific Names of Fishes from the United States, Canada, and Mexico, 6th Edition. American Fisheries Society, Bethesda, MD. 386 pp.

Amphibians and Reptiles

Field Guides:

Conant, R. and J. T. Collins. 1998. A Field Guide to Reptiles and Amphibians: Eastern and Central North America. 3rd ed. Houghton Mifflin Company, Boston, MA. 616 pp.

Dodd, C.K., Jr. 2005. Amphibians of Great Smoky Mountains National Park. University of Tennessee Press, Knoxville, TN. 283 pp.

Tilley, S.G. and J.E. Huheey. 2001. Reptiles and Amphibians of the Smokies. Great Smoky Mountains Natural History Association, Gatlinburg, TN. 143 pp.

Desk References:

Elliott, L., C. Gerhardt, and C. Davidson. 2009. The Frogs and Toads of North America (audio CD included). Houghton Mifflin, Boston, MA. 343 pp.

Ernst, C. H., J. E. Lovich, and R. W. Barbour. 1994. Turtles of the United States and Canada. Smithsonian Institution Press, Washington, DC. 578 pp.

Ernst, C. H. and R. W. Barbour. 1989. Snakes of Eastern North America. George Mason University Press, Fairfax, VA. 282 pp.

Harding, J. H. 1997. Amphibians and Reptiles of the Great Lakes Region. University of Michigan Press, Ann Arbor, MI. 378 pp.

Hulse, A. C., C. J. McCoy and E. J. Censky. 2001. Amphibians and Reptiles of Pennsylvania and the Northeast. Cornell University Press, Ithaca, NY. 419 pp.

Klemens, M.W. 1993. Amphibians and Reptiles of Connecticut and Adjacent Regions. State Geological and Natural History Survey of Connecticut, Bulletin No. 112. Hartford, CT. 318 pp.

Linzey, D.W. and M.J. Clifford. 1981. Snakes of Virginia. University Press of Virginia, Charlottesville, VA. 159 pp.

Petranka, J. W. 1998. Salamanders of the United States and Canada. Smithsonian Institution Press, Washington, DC. 587 pp.

Standard Reference for English and Scientific Names:

Moriarty, J.J. (ed.). 2000. Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding, 5th ed. Society for the Study of Amphibians and Reptiles, Herpetological Circular No. 29, 82 pp.

Audio Guides:

Elliott, L. 2004. The Calls of Frogs and Toads. Stackpole Books, Mechanicsburg, PA. 65 pp. (includes audio CD with calls of 42 North American species occurring east of the Great Plains).

Voices of the Night: The Calls of the Frogs and Toads of Eastern North America. Macaulay Library of Natural Sounds, Cornell University, Ithaca, NY.

Internet Resources:

Atlas of Amphibians in Tennessee, Center for Field Biology, Austin Peay State University
<http://www.apsu.edu/amatlas/index.html>

Macaulay Library of Natural Sounds, Cornell University, Ithaca, NY.
<http://www.birds.cornell.edu/Shop/AudioGuides.html>

North American Amphibian Monitoring Program, USGS/Biological Resources Division
<http://www.pwrc.usgs.gov/naamp/>

Tennessee Wildlife Resources Agency, Frogs and Toads of Tennessee
<http://www.state.tn.us/twra/tamp/frogs.shtml>

Tennessee Wildlife Resources Agency, Salamanders of Tennessee
<https://www.tn.gov/twra/article/salamanders-of-tennessee>

Birds

Field Guides:

National Geographic Society. 2011. Field Guide to the Birds of North America. 6th ed. National Geographic Society, Washington, DC. 574 pp.

Peterson, R. T. and V. M. Peterson. 2002. A Field Guide to the Birds of Eastern and Central North America. 5th ed. Houghton Mifflin Company, Boston, MA. 427 pp.

Sibley, D. A. 2003. Sibley Field Guide to Birds of Eastern North America. Alfred A. Knopf, New York, NY. 432 pp.

Desk References:

Nicholson, C.P. 1997. Atlas of the Breeding Birds of Tennessee. University of Tennessee Press, Knoxville, TN. 426 pp.

Sibley, D. A. 2000. Sibley Guide to Birds. Alfred A. Knopf, New York, NY. 544 pp.

Standard Reference for English and Scientific Names:

American Ornithologists' Union. 1998. Check-list of North American Birds, 7th ed. American Ornithologist' Union, Washington, DC. 829 pp.

Audio Guides:

Peterson Field Guides: Eastern/Central Bird Songs. Houghton Mifflin Company, Boston, MA. Audio CD.

Internet Resources:

Breeding Bird Survey, USGS/Biological Resources Division
<http://www.mbr-pwrc.usgs.gov/bbs/>

Macaulay Library of Natural Sounds, Cornell University, Ithaca, NY.
<http://www.birds.cornell.edu/Shop/AudioGuides.html>

Tennessee Ornithological Society
<http://www.tnbirds.org/>

U.S. Fish and Wildlife Service, Office of Migratory Bird Management
<http://www.fws.gov/birds/index.php>

Mammals

Field Guides:

Reid, F. 2006. A Field Guide to the Mammals of North America North of Mexico. 4th ed. Houghton Mifflin Company, Boston, MA. 289 pp.

Glass, B.P. and M.L. Thies. 1997. A Key to the Skulls of North American Mammals, 3rd ed. Privately Published. 99 pp.

Kays, R.W. and D.E. Wilson. 2009. Mammals of North America, 2nd ed. Princeton University Press, Princeton, NJ. 248 pp.

Linzey, D.W. 1995. Mammals of Great Smoky Mountains National Park. McDonald and Woodward Publishing Company, Blacksburg, VA. 152 pp.

Desk References:

Kurta, A. 1995. Mammals of the Great Lakes Region. University of Michigan Press, Ann Arbor, MI. 376 pp.

Linzey, D.W. 1998. Mammals of Virginia. McDonald and Woodward Publishing Company, Blacksburg, VA. 459 pp.

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Some Final Thoughts to Ponder

“The power to see straight is the rarest of gifts: to see no more and no less than is actually before you; to be able to detach yourself and see the thing as it actually is, uncolored or unmodified by your own sentiments or prepossessions. In short, to see with your reason as well as with your perceptions, that is to be an observer and to read the book of nature aright.”

Ways of Nature, by John Burroughs

“Our children are our signature to the roster of history; our land is merely the place our money was made. There is as yet no social stigma in the possession of a gullied farm, a wrecked forest, or a polluted stream, provided the dividends suffice to send the youngsters to college. Whatever ails the land, the government will fix it.”

“I think we have here the root of the problem. What conservation education must build is an ethical understanding for land economics and a universal curiosity to understand the land mechanism. Conservation may then follow.”

The Round River, by Aldo Leopold