

BIBLIOGRAPHY

Books From State Library Commission

(Anyone in the state can have one book for period of one month. The only cost is postage of three cents for first pound and one cent for each additional pound. This forward postage is enclosed with book upon its return.)

GENERAL

1. Athey, L. C. Along Nature Trails
Many interesting facts and nature projects suggested. Tracks and the balance of life discussed.
2. Beard, Dan American Boys Book of Signs, Signals and Symbols
Suggests how to mark trails, how to send messages and some activities.
3. Beards, J. C. Curious Homes and Their Tenants
Good stories of homes of wasps, mice and birds.
4. Boy Scout Hand Book
Has a fine nature section with projects. Illustrated. Stars, animal tracks, flowers and trees are well illustrated.
5. Boy Scout Merit Badge Pamphlet Series
Dealing with separate phases of Nature. The Insect Pamphlet is exceptionally good. Insect homes - Simple identification.
6. Boyden, A. C. Nature Study by Months
Elementary course of study with activities.
7. Craig, J. B. Nature Study
A graded elementary course of study.
8. Denton, C. J. F. Real Nature Study
9. Fisher, Clyde and Laughlin
Nature Study and World of Nature
10. Gibson, W. H. Sharp Eyes
This author writes of facts in nature but has such a wonderful command of language that he makes the simplest event along the roadside very alluring. Any of this works are fine reading.
11. Girl Scout Badge Requirements
Booklet is also good. Illustrated keys. Many good projects.

12. Girl Scout Hand Book
Nature section is good. A plan for nature merit system and many suggested activities.
13. Hodge, C. T. Nature Study and Life
This man is quoted in many books used in schools and in nature addresses. He gives many interesting projects and museum activities.
14. McMurray and McMurray Special Method in Natural Science
15. Meyer, Zoe Trail Makers
Fine stories
16. Mosely, E. L. Trees, Stars and Birds
Dimensions for bird houses. Facts about stars, trees and birds.
17. Patch, Edith M. 1st Lessons in Nature Study
Lessons with questions and illustrations. Used much by schools. Elementary.
18. Verrill, A. H. Harper's Book for Young Naturalists
Collections, mountings, (Taxidermy) box traps, with descriptions of life, habits and haunts of birds, insects and plants. Fine for Museum.

FLOWERS

1. Clements & Clements Flower Families and Ancestors
Charts, Keys and variation of families.
2. Durand, Herbert Wild Flowers and Ferns
A field book. Pictures and descriptions.
3. Gibson, W. H. Blossom-Hosts and Insect Quests
An artist writer. Full of glowing freshness to read.
4. Jones Some Familiar Wild Flowers
Remarks good for trail signs.
5. Lounsberry, Alice Guide to Wild Flowers
Colored and black and white plates
6. Matthews, F. S. Field Book of American Wild Flowers
Any of Matthew's books are good for guides.
7. Peterson, N. F. Flora of Nebraska
Key to conifers and flowering plants and broadleaf trees with location of each.
8. Quinn, Vernon Seeds, Their Place
Leaves, Their Place
New. Gives uses, superstitions, poison, shapes and habits. Good for trail quests.

TREES

1. Keeler, H. S. Northern Shrubs and Our Native Trees
Pictures and descriptive key.
2. Matthews, F. S. Field Book of American Trees and Shrubs
Good for identification. Pocket size.
3. Mills, Enos Story of Thousand Year Pine
An inspiring autobiography of a tree discovered by sectioning after being cut down. Would be incorporated into a Yule Log program or an Arbor Day or Tree Planting program.
4. Rogers Tree Book
Pocket size. Illustrated.

BIRDS

1. Bruner Birds of Nebraska
Small Key.
2. Chapman, Frank M. Bird Life
Colored plates. Authority on birds, theory of relation to man and all other life, how different, their songs, nests and migration.
Warblers of North America.
3. Dodson, Joseph H. Your Bird Friend
How to win by food, habitat and many good bird houses.
4. Lange, D. Our Native Birds
How to protect and win. Suggests activities.
5. Mathews Field Book of Birds and Their Music
Notes on staff to give man's version of bird songs and calls. Plates and description.
6. Peterson, R. T. Field Guide to the Birds
7. Reed Bird Guide
Pocket edition.
8. Trafton 1) How to attract Birds
Food, habitat, houses and calls.
2) Bird Friends
Enemy of birds and use of birds.
9. Wright, M. O. A Large Field Book of 200 Birds
Descriptions and pictures. 80 plates by Agassiz. Song, game and water birds.

INSECTS

1. Cheeseman, E. Everyday Doings of Insects
How they grow, change, their senses, music, color, lights and relationships.
2. Comstock, J. H. 1) How to Know Butterflies
Illustrated in colors. Technical. Authority on insects.
 2) Entomology
All insect life in families.
3. Dickerson, M. C. Moths and Butterflies
Good pictures of round of life. Authority also.
4. Holland, W. J. 1) Butterfly Guide
Small pocket edition. Colored plates. Advice to collectors and short life history.
 2) Butterflies
Large volume, fine plates and descriptions. Technical.
 3) Moths
Large volume same as Butterflies.
5. Kellogg American Insects
Very large volume. Good plates and identifications.
6. Sutherland 1) Book of Bugs
Popular, interesting stories of all bugs.
 2) Nature Biographies
Story form.

WATER LIFE

1. Bowlenger, E. G. Natural History of the Seas
How they grow, change, their senses, music, color, lights and relationships.
2. Innes, Wm. T. The Complete Aquarium Book
How to construct, life history of plants and animals for aquariums. Care of aquarium.
3. Mills, Enos A. In Beaver World
Shows how beaver is a friend through conservation.

ANIMALS

1. Burns, C. M. The Animal Fair
2. Ingersoll, Ernest Life of Mammals
All kinds.

3. Seton, Thompson Animal Heroes
The author's close contact with the wild is well told in stories.
4. Stanley, Anna Animal Folk Tales
Stories for children.
5. Verrill, A. Hyatt Pets for Pleasure and Profit
How to catch, study and care and food of wild pets. A very fine book for museum and trail projects.

FOSSYLS

1. Lull, R. S. Fossils
The story of fossils. What they are and what they teach. They constitute all our evidence of character and evolution of plants, animals and man.

REPTILES

1. Ditmars, Raymond L. Reptiles of the World
Many plates. Many stories enlivened by his own experiences of snakes, crocodiles, lizards and turtles.

HISTORY

1. Bradford, H. E. History
2. Spidel, G. A. Nebraska, Its Geography and Agriculture
Maps of trails, etc.
3. Condra, G. E. 1) Geography, Agriculture, Industries of Nebraska
The author has spent much of his life in the study of Nebraska.
2) Nebraska Beautiful
Showing physical and cultural beauty all over the state. Sections written by Professors of different phases as plant, animal, fossil, etc.
4. Mears, L. W. The Hills of Peru
Historical landmarks by one of students of Peru. Good for trail signs of that region.
5. Stephens, Dan V. Cottonwood Yarns
Published at Fremont, Nebraska. Mostly stories told to children about some more or less wild animals that live at "The Cottonwoods" on Elkhorn River in Nebraska.

TRAIL PROGRAMS, PAGEANTRY OR FESTIVALS

1. Nebraska Poets Troubadour
 Sample poems.

2. Lane, E. P. Lad and Other Story Plays
 Contains "The Fairy Ring", a woodland fantasy. Characters -
 Spirit of woods (adult), 8 Indians, 10 Puritans, 8 Colonial
 children and many fairies, and "The Star", Ling is on a quest
 with star to guide. Princess waits believing in guiding star.
 7 characters, costumes and music.

3. Lovejoy, M. I. Nature in Verse

4. Schaufler, R. H. Arbor Day
 Many poems, suggestions for program and talks about trees.

The Nebraska Writer's Project has written many bulletins full of material that could be incorporated into programs.

NATURE BIBLIOGRAPHY

This list is compiled to help secure elementary knowledge in the many fields of natural sciences. There are a few more advanced books listed, hoping to help in identifying specimens.

GENERAL

1. Allen Key to Bird Nests
This is a key to orders and families of North America birds, Slingerland-Comstock Company, Ithaca, New York.
2. Boy Scout Merit Badge Pamphlets, 200 Fifth Ave., New York City.
Most of them are 20 cents apiece. These can usually be secured at any library. The Insect Pamphlet has the simplified classification.
3. Cheley Camping Out
Little Loose Leaf Library. 25 cents apiece. 601 Steele Street, Denver, Colorado.
4. Cody, Bertha & Vernon Guides to Nature Study
Separate booklets for 10 cents each. Animals of the land. Birds; Earth & Rocks; Flowering Plants; Key to the Mosses, Seashore Life; Stars and Planets; Trees and Shrubs. Slingerland Comstock Co., Ithaca, New York.
5. Comstock, A. B. Handbook of Nature Study
A very large book. An inspiration to those laying a nature trail, as it is full of stories from the author's own experience. It suggests many projects by picture and question. Publishers - Comstock Publishing Co., Ithaca, New York.
6. Coupin & Lea Romance of Animal Arts and Crafts
An account of the weaving, spinning, sewing, paper, pottery and raft-building of animals.
7. Girl Scout Activities (50 cents)
Day Hikes (20 cents)
Winter Camp (10 cents)
Woodland Cookery (30 cents)
Girl Scouts, Inc., 570 Lexington Ave., New York City.
8. Grout, Moss Key, Flower Key, Tree Key. Each 9 cents.
Comstock Publishing Co., Ithaca, New York.
9. Howes, P. G. Backyard Exploration
What the author found in his own backyard, showing that there is always biological material.
10. Leisure League of America Let's Hike
25 cents. The League, 30 Rockfellow Plaza, New York.

11. Nature Lover's Library
University Society, New York. Quite a complete set of interesting books.
12. Palmer Nature Games: Gall Keys; Land and Aquatic Insects.
Valuable pocket edition for hikes. Slingerland-Comstock Co., Ithaca, New York.
13. Patch, Edith First Lessons in Nature
14. Popular Science
15 volumes of interesting indexed biological material.
15. Russell Sage Foundation Camps and Camping (25 cents)
The Foundation, New York.
16. Seton, Thompson Book of Woodcraft (\$2.00)
Also The 10 Commandments for Animals.
Doubleday, 75 Franklin Ave., Garden City, New York
Hiking, crafts and stories by one who knows the out-of-doors.
17. Thompson, J. Arthur Outline of Science
800 Illustrations.
18. Vinal, Wm. Nature Guide Dictionary
Things found in wild with use of each.
Nature Games
Key also for winter trees by feeling and smelling. 10 cents.
Comstock Publishing Co., Ithaca, New York.

BIRDS

1. Allen, Arthur A. - Bird Biographies
This is a study of birds in general.
2. Arm & Hammer Soda Co.
Two large colored charts of birds and small bird cards.
3. Ball, Alice E. Bird Biographies
Fine for children. Contains colored plates and descriptions.
4. Burgess, T. W. Burgess Bird Book for Children
Original stories. Often with myths and personal experiences.
5. Chapman, F. M. Our Winter Birds
Small book of interesting stories for children of our common winter birds. Any of Chapman's or Bailey's books on birds are very interesting.
6. Finley, W. L. American Birds
A large volume of many plates and descriptions.

7. Minot, John Clair The Best Bird Stories I Know
This book furnishes material to interest all trailers. To know more than identification is necessary and this book gives that.
8. Pearson, T. Gilbert Birds of America
A large volume with beautiful colored plates selling now for \$3.75, formerly three times that amount.
9. Shoffner, Charles P. The Bird Book
This book is good for suggesting signs in that it has games and questions.
10. The National Geographic Magazine
A bound book on Birds. Colored plates with good text as to migration, habits and nests.
11. Peath Singing In The Wilderness
A beautiful story of life of Audobon.
12. Brand, Albert Songs of Wild Birds (\$2.00)
Thomas, Nelson and Son publishers, New York. This gives the how and why of bird songs also three phonograph records of Bird Songs.

FLOWERLESS PLANTS

Ferns, Mosses and Fungi

1. Duggar Fungous Diseases of Plants
Technical but good for identification.
2. Durand, Herbert Field Book of Common Ferns
How to know and grow 50 common ferns.
3. Kreeger, L. C. The Mushroom Handbook
A field book, good for identifying.
4. McDougall, W. B. Mushrooms
Written for beginners.
5. Marshall, Nina L. The Mushroom Book
A large volume with many colored and black and white illustrations.
6. Melhus, I. E. Native Ferns of Iowa
A popular illustrated booklet on ferns and fern allies.
7. Tilton, Geo. Henry The Fern Lover's Companion
A field book for beginners.

WATER LIFE AND LOWER ANIMALS

1. Dickerson, Mary C. The Frog
300 photographs with a good key.
2. Ditmars, Raymond L. Reptiles of the World
Given in State Library Commission List.
3. Fuller, R. T. Along the Brook
Interesting stories of all life near and in water.
4. Jordan, David Starr and
Evermann, Barton
Books by these authors always furnish trail signs.
5. Morgan, Ann Field Book of Pond and Stream
A book full of directions of how to catch and mount specimens.
Fine pictures and descriptions for identification.
6. Patch, E. M. Holiday Pond
A book used much by the elementary school and is full of
information and interest for a trail marker.
7. Wright, A.A. & A.H. Handbook of Frogs and Toads
8. Warren, E. R. The Beaver
For the Beaver trail, this book gives such fascinating material.
9. Warren, E. R. American Food and Game Fishes
Key to fresh and salt water fishes of North America.

MAMMALS

1. Anthony, H. E. Field Book of N.A. Mammals
All mammals north of Rio Grande are described. Colored plates
in rear of book.
2. Burgess, T. W. Animal Book for Children
Fascinating stories with traits of humans.
3. Hornaday, Wm. T. Minds and Manners of Wild Animals
Personal Observations.
4. Nelson, Ed. W. Wild Animals of North America
The National Geographic Magazine index will give directions for
finding beautiful colored plates and descriptions.
5. Salten, Felix Bambi, A Life in the Woods
Children's story of a young deer and its family.
6. Seton, E. T. Wild Animals I have Known
7. Terhune, A. P.
Any of his dog stories in magazines such as Ladies Home Journal
are good.

STARS

1. Barton & Barton A Guide to the Constellations
Charts of the sky for different seasons.
2. McKready, Kelvin A Beginner's Guide to the Stars
3. Maeterluick, M. Magic of the Stars
For inspirational literature and program stories and establishing a mood, read this book.
4. Seeing Stars Seeing Stars
Charts and stories. Ten cent stores.
5. Johnson, Gaylord Stars
A wonderful book of devices to teach elementary astronomy.
6. Sweezy Books of Astronomy
Star projects and stories. Written for Boy Scouts.

FLOWERS AND GRASSES

1. Britton & Brown Illustrated Flora of Northern U.S.
Three volumes of pictures and description.
2. National Geographic Magazine
The Book of Wild Flowers
3. Reed, C. A. Wild Flowers East of Rockies
Pocket edition.

INSECTS

1. Beard, Dan The American Boys' Book of Bugs, Butterflies and Beetles.
Excellent for collections and projects.
2. Comstock, A.B. & J.H. Insect Life
Comstock Publishing Co., Ithaca, New York
3. Comstock, J. H. The Spider Book
Always interesting stories and good for identifying.
4. Fazzini, L. D. Butterflies of America
Pocket edition.
5. Maeterlinck, Maurice Life of the White Ant
Life of the Bee
A book of real literature.

6. Verrill, A. H. Strange Insects and Their Stories
Stories to suggest signs.
7. Weed Insect Ways
Habits of insects and their relationship.
8. National Geographic Magazine
 Butterflies

HISTORICAL, PROGRAMS AND CAMPS

1. Abbott, Keene Tree of Life
A cowboy and pioneer story with much action. Probably could be dramatized.
2. Cheley Boys Book of Camp Fires
To inspire constructive action out doors.
3. Fazzini, L. D. Indians of America
Small colored plates in pocket edition. Suggests handcraft.
4. Federal Writer's Project Indian Lore
Many interesting true stories.
5. Gilmore, M. H. Indian Lore and Indian Games (35 cents)
Dye, handcraft and stories.
6. Mackaye, K. Sanctuary
A bird masque, a naturalist, hunter and many birds in an outdoor play, given at Fontenelle Bird Preserve at Omaha, Nebraska.
7. Parkman, F. The Oregon Trail
An authority on what happened on the trail. The Nebraska State Historical Society at the Nebraska State Capital has guided some research on exact location of this trail.
8. Postum Co. Booklet on Camp Food. (Free)
Battle Creek, Michigan.
9. Stanley Insulating Co. Booklet on Out-of-Door Cookery
Great Barrington, Mass.
10. Eastman Indian Scout Talks
Campfire ceremonies for boys and girls.

TREES

1. Blakeslee & Jarvis Trees in Winter
There is a wonderful allure in knowing trees by countour, bark, twig and buds. This will help you.

2. Bode & MacDonald A Handbook of the Native Trees of Iowa
Ames, Iowa. Illustrations and detailed description. 15 cents.
3. Forest Service Famous Trees
Washington, D. C. Location, age and description of individual
noted trees. For programs and talks, this book is full of facts.
4. King, Julius Talking Leaves (10 cents)
Picture of tree, flowers, fruits, habitat. Short statement
about commercial uses.
5. Peattie, D. C. Trees of North America
Pocket edition. Colored plates and descriptions.
6. Petersen, M. S. How to Know the Wild Fruits
Also look in National Geographic Magazine Index and you will
find "Berries of Vines and Shrubs" on colored plates with good
descriptions. Books are both good for identification.
7. Sargent, Charles Sprague Manual of the Trees of North America
Every tree is illustrated, descriptions in detail. Best for
identification.
8. Trelease, W. Winter Botany
Another book disclosing secrets for winter hikes.

FREE GOVERNMENT PUBLICATIONS

These bulletins make quite a wonderful asset to your nature library. They are usually full of illustrations to help in identifying specimens.

1. Peck, H. Fern Nebraska Weeds
Bulletin #101, Dept. of Agriculture and Inspection., Lincoln, Nebraska. Plants and seed pictures. Laws and methods of eradication.

2. Gates, F. C. Wild Flowers of Kansas (Like Nebraska Weeds)
Kansas State Board of Agriculture, Topeka, Kansas

3. Winters An Analysis of the Flowering Plants of Nebraska
Descriptions and location in Nebraska. Bulletin 13 or New Series #10, Bot. Survey, Lincoln, Nebraska.
From herbarium at Nebraska University.

Common Grass Weeds of Nebraska
College of Agriculture, State Farm, Lincoln, Nebraska.
Illustrated.

Game, Fish & Park Laws of Nebraska, 1937
Game, Forest and Parks Commission, Lincoln, Nebraska.

Famous Trees
Very good for Arbor Day. U.S. Dept. of Agriculture. Forest Service, Washington, D. C.

4. Pool, R. A. Handbook of Nebraska Trees
Bot. Survey of Nebraska New Series #3, Uni. of Nebr., Lincoln, Nebraska. Excellent illustrations and information. Probably thirty-five cents.

Insect Enemies of the Flower Garden
Farmers Bulletin #1495., U.S. Dept. of Agriculture, Washington, D. C.

Diseases and Insects of Garden Vegetables
Farmers Bulletin #1371, U.S. Dept. of Agriculture, Washington, D.C.

How to Detect Outbreaks of Insects and Save the Grain Crops
Bulletin #835. U.S. Dept. of Agriculture, Washington, D. C.

More Trees and Shrubs for Nebraska
Bulletin #1, Conservation bulletin. Nebraska Game, Forestation and Parks Commission, Lincoln, Nebraska.

Wild Animals of Nebraska
Conservation bulletin #3, Nebraska Game, Forestation & Parks Commission, Lincoln, Nebraska

Insects of Nebraska
Bulletin #5, Nebr. Game, Forestation & Parks Commission.

The Relation of Land to Wild Life
Bulletin #6, Nebr. Game, Forestation & Parks Commission.

Insects Injurious to Deciduous Shade Trees
Farmers' Bulletin #1169, U.S. Dept. of Agriculture, Washington,

5. Tricker, Wm. Garden Pools
Saddle River, New Jersey
6. Hudson, Mrs. Lulu Kortz Some Nebraska Birds and How to Know Them
Extension Circular 6, Uni. of Nebraska, Agriculture College. 1921.

NATURE TRAILS

Many articles in Recreation, Parents, Nature magazines and small booklets.

1. Wm. Carr Blazing Nature's Trail (15 cents)
2. Lutz Nature Trails (10 cents)
3. Wm. Carr Signs Along the Trail (10 cents)
American Museum of Natural History, New York City.
4. Brooks, A. B. Trailside Museum and Suggestions for a Nature Corner.
Ogle Bay Park, Wheeling West Virginia, or a bulletin of same from National Recreation Association, 315 Fourth Ave., New York
5. Trailside Museum
"Parents" Magazine, June issue.
6. Nature Test Questions
"Parent" Magazine. August, September and October, 1931, Good for Nature Trail signs.
7. Mass Hikes
"Recreation" Magazine. December 1936.
Very inspiring. Annual trek at Provo, Utah, for 25 years.
8. Carlson, Reynold Yosemite's Junior Nature School
Recreation volume, April to March, 1936 - 1937. Excellent for new projects.
9. New Haven's Nature Trails
Recreation Magazine. July, 1934.

10. Nature on the Playgrounds
Material for trails, also. Recreation magazine.
11. Nature Trails
Nature Magazine. February, 1938. Excellent temporary trails
and games.

ANIMALS

- Fauna of the National Parks of the U. S. Preliminary survey. Contributions
of Wild Life Survey, Fauna Series 1, 1933. 20 cents.
- Fauna of National Parks of the U. S. Wild Life Management. National
Park Service, 1935. 20 cents.

TREES

- Koehler, Arthur
Several bulletins on structure, identification of woods. These
are well illustrated and give some of the secret of what
seems magical identification. These can be secured from Forest
Service, Dept. of Agriculture.
- Edgerton, D. P. The Forest
A handbook for teachers, Dept. of Agriculture, Misc. circular 98,
April, 1927. 10 cents.
This is an excellent book for Nature Trailers suggesting museum
and craft projects, many interesting questions suitable for
arousing interests and moods for signs.
- Mattoon, Wilbur R. Forest Trees and Forest Regions of the U.S.
Dept. of Agriculture, Misc. publication 217. Revised,
September, 1936. 15 cents.
Lists of trees with habitat and description, also pictures of
many species.
- Hoisley, M. F. Our Forests
Misc. publication #162, Forest Service, Dept. of Agriculture,
Washington, D. C. 5 cents.
How trees grow, what use to man, and their enemies and visitors.
All discussed in the bulletin.

BIRDS

- Beal, F.E.L. Some Common Birds Useful to the Farmers
Dept. of Agriculture, Farmers' Bulletin 630, 1926. 5 cents.
This bulletin has been widely used among rural districts.
Good descriptions and pictures of common birds.

Lincoln, F. C.

Migration of North American Birds

Dept. of Agriculture, Misc. circular 363. October, 1935. 10 cents. This contains maps of bird routes and would be valuable if the nature trail builders wish to have a Bird Banding station or any bird migration project.

Fifty Common Birds of Farm and Orchard

Biological survey. Farmers' Bulletin 513. 25 cents. Colored pictures with habitat and food of each bird are given.

INSECTS

Mansing, Margery C.

Collection and Preservation of Insects for Use in the Study of Agriculture

Farmers' Bulletin 1601, 1929. 5 cents. Dept. of Agriculture. Washington, D. C.

This is a fine bulletin for the insect zoo collector, in that it gives methods of collecting and mounting.