

"Environmental Education Resource Guide"

The North Dakota Forest Service is committed to developing environmental stewards of all ages. Their educational outreach program -- *Project Learning Tree* (PLT) has put together this guide for teachers, youth leaders, natural resource professionals or anyone interested in conservation and wise use of our natural resources. It contains a list of available videos, environmental programs, curriculum guides, posters, books and brochures.

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If you know of any items not included in this resource guide which would be useful to others involved in environmental education, please let us know so it can be included in future updates.

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ACTIVITY GUIDES/CURRICULUM

ART TO ZOO

Grades 4-8. Quarterly publication of object-oriented classroom activities. Free upon request from Office of Elementary and Secondary Education, Arts and Industries Building, Room 1163, Smithsonian Institute, Washington DC 20560.

TREES PATCH PROGRAM

Boy and Girl Scout Patch Program. Participants learn about trees and tree planting, and earn a certificate of recognition and patch for their efforts. Information is available from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone 228-5422.

ECOSYSTEM MATTERS

This is a K-12 supplementary, interdisciplinary guide for educators to teach concepts related to ecosystem management such as fire, recreation, biodiversity, carrying capacity, sustainability, careers, wildlife and habitats. For more information, contact: Glenda Fauske, ND Forest Service, 307 First Street East, Bottineau ND 58318-1100; Telephone (701) 228-5446.

HUG A TREE

Pre-School. "Hug A Tree" 1983 by Robert E. Rockwell, Robert A. Williams, and Elizabeth Sherwood. An activity guide for parents and teachers of pre-school children. Each of the learning experiences in "Hug A Tree" has a suggested age level, a clear description of what will be done, and suggestions for follow-up learning. Some of the activities include: "Where Do Things Go At Night?," "Sounds That Match," "Take a Bird to Lunch," and "Tin Can Ice Cream." Published by and order from: Gryphon House, Inc., 3706 Otis Street, Mt. Rainier, Maryland 20712

PROJECT LEARNING TREE

"Project Learning Tree" (PLT), sponsored by the North Dakota Forest Service, provides hands-on, interdisciplinary activities designed for teachers, natural resource professionals, and youth group leaders working with students in grades PreK-12. A **new PreK-8 activity guide** is arranged in five thematic sections -- reflecting a range of learning levels and styles. Specially developed activities are included for middle school students, enabling them to take part in meaningful action projects relating to real environmental issues in their communities.

The **high school curriculum** features a series of independent activity modules focused on critical environmental topics and associated issues. Each module contains background information, resources, activities, and supplementary materials such as maps, posters, videos, and software. The modules are:

- Forest Ecology
- Focus on Forests
- Municipal Solid Waste
- Focus on Risk

The only way to obtain PLT materials is to attend either a 4-6 hour noncredit workshop for \$10 or a 15 hour NDSU semester graduate credit workshop for \$65. For more information contact: Glenda Fauske, PLT State Coordinator, % North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446; E-mail: Glenda.Fauske@sendit.nodak.edu

PROJECT WILD

A sister program of PLT, "Project Wild" is sponsored by the North Dakota Game and Fish Department and emphasis wildlife education activities for K-12 teachers. For information on the program or available teacher workshops, contact: Dave Jensen, ND Game and Fish Department, 100 N Bismarck Expressway, Bismarck ND 58501-5095; telephone 328-6322.

PROJECT WET

A sister program of PLT, "Project Wet" is sponsored by the North Dakota Water Commission and provides water education activities for K-12 teachers. For information on the program or available teacher workshops, contact: Bill Sharff, ND State Water Commission, 900 East Boulevard, Bismarck ND 58505-0187; telephone (701) 328-2750.

PROJECT FOOD, LAND & PEOPLE

The understanding of the interdependence of food, land and people is crucial to maintaining a viable agricultural system conducive to a healthy society. Project FLP enriches existing agricultural, environmental and natural resource conservation programs. For information on the program or available teacher workshops, contact: Jill Vigesaa, Food, Land and People, 7115 61 Avenue South, Fargo ND 58104; Telephone (701) 356-5123, Cell 799-5488.

PUBLIC INFORMATION CENTER

PIC is the place you can get non-technical citizen oriented information about the environment and EPA. You can get fact sheets and pamphlets on environmental topics, consumer guides, and educational materials, just for the asking. Phone (202) 475-7751 for materials and have them mailed or send a postcard and letter. For a listing of available information, call or write: PIC, PM-211B, Environmental Protection Agency, 401 M Street SW, Washington DC 20460.

THE SCRAP MAP

Grades K-6. Recycling Educational Materials from the Institute for Scrap Recycling Industries, Inc. A colorful 6" x 9" brochure that explains the concept of recycling and illustrates recycling in practice with automobiles, aluminum beverage cans, and newspapers. The brochure, with accompanying teacher's kit is for grades K-6. It is free from the Public Relations Dept., Institute for Scrap Recycling Industries, Inc., 7th floor, 1627 K Street, NW, Washington DC 20006-1704.

THE SIMPLE ACT OF PLANTING A TREE

More than just a primer on planting, it is a guide to inspiring and orchestrating a community tree planting project. Packed with success stories and useful references. The cost is \$12.95. Available from: Jerrey P. Tarcher, Inc., 5858 Wilshire Boulevard, Suite 200, Los Angeles CA 90036.

TEACHING SOIL AND WATER CONSERVATION

Grades 7-12. A classroom and field guide. Offers practical suggestions to help students carry out activities and observations in classrooms and outdoors. (#PA-134) US Dept of Ag, Soil Conservation Service, PO Box 2890, Washington DC 20013.

TEACHERS' GUIDE TO ARBOR MONTH

Grades K-6. A free collection of bulletin board ideas, tips, facts, activities and reproducibles designed for planning a complete Arbor Day/Month celebration. This curriculum is full of great ideas for teaching math, science, English and art to children while developing their understanding of trees and the environment. Contact the North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone 228-5446.

THINK EARTH ENVIRONMENTAL EDUCATION PROGRAM

Educational Development Specialists, 5505 East Carson Street, Suite 250, Lakewood CA 90713

URBAN FORESTRY EDUCATION GUIDE

For 7th grade, but this guide can be easily adapted for other grade levels. Learning about and understanding our community's trees, especially at a young age, fosters an appreciation of them that will last a lifetime. The "American Forests" has developed and made available this urban forestry educational curriculum package which includes one education guide comprised of five lesson plans and 15 activities, one copy of the book "Growing Greener Cities," and a short video. The full package is \$30 plus shipping by contacting the sales department at "American Forests" (800) 368- 5748. Individual sales prices are: \$7.95 for the book, \$14.95 for the guide, and \$10 for the video.

WETLANDS DISCOVERY ACTIVITIES GUIDE FOR ND

A K-12 guide has been developed and field tested by North Dakota educators to educate teachers and students on North Dakota wetland resources. The guide is available from: Bill Sharff, Project Wet, ND State Water Commission, 900 East Boulevard, Bismarck ND 58505-0187; telephone 328-4833.

BOOKS/NEWSLETTERS/PUBLICATIONS

EARTH NOTES

Published quarterly by the EPA, Earth Notes provides an open forum for the exchange of teaching ideas, comments and brief essays concerning environmental education in grades K-6. A lively, exciting and practical publication to help teachers incorporate environmental education into their classroom activities. For more information, contact: Earth Notes, U.S. Environmental Protection Agency, 401 M St., SW (A107), Washington DC 20460.

ECO-NEWS

An informative, cartoon-illustrated newsletter about the environment for children grades 4-6. Each eight-page issue explores a different environmental theme and is packed with learning activities. Cost \$.50 each; \$.40 each for orders of 20 or more. Back issues available. Order from: Environmental Action Coalition, 625 Broadway, 2nd Floor, New York NY 10012.

THE FIRST FOREST

"The First Forest" is a lyrically written tale by John Gile that tells what happens when greed entered the very first, perfect forest and spoiled the trees' beauty and peace. Recommended for direct and supplementary classroom use by teachers in language arts, graphic arts, whole language science, school musical productions, peace and environmental issue discussion. It's a book children, teachers, and parents love. \$17 includes the book, a cross-curricular teaching unit and Story of a Story audio cassette. JGC Communications, 1710 North Main Street, Rockford IL 61103-4706; 1-800-747-6601 with your Visa/Mastercard.

THE GIVING TREE

By Shel Silverstein. "Once there was a tree...and she loved a little boy." So begins a story of an unforgettable perception. A moving parable for readers of all ages that offers an affecting interpretation of the gift of giving and a serene acceptance of another's capacity to love in return. Check with your local library or bookstore for availability.

THE MINI PAGE

Due to its popularity and educational value, some issues of this nationally syndicated children's feature are now available at a special cost to educational and nonprofit institutions. For information, contact: Mary Suggett, Permissions Director, Universal Press Syndicate, 4900 Main Street, Kansas City MO 64112; 1-800-255-6734.

NATURE WITH CHILDREN OF ALL AGES

Specific natural history learning activities for children of all ages. Good for beginning or hesitant outdoor teachers. By Edith A. Sisson, The Massachusetts Audubon Society, Prentice Hall Press. Check your local bookstore.

NORTH DAKOTA TREE HANDBOOK

Photos and descriptions of the native and most found trees and shrubs in North Dakota. Found on the Tree Center web site at www.ag.ndsu.nodak.edu/aginfo/trees/ndtreinf.htm or see a book at your local NRCS, Extension Service or North Dakota Forest Service office.

NORTH DAKOTA WILDLIFE VIEWING GUIDE

Locate nearby outdoor classroom settings where you can take your students for some hands-on experience. This book tells you about natural areas that are right in your own backyard, and the animals, habitat and natural resources you may find. Copies are available for \$6.25 (which includes tax and shipping). Make a check payable to: North Dakota Forest Service and mail your order to North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; 228-5446.

P3

This earth-based magazine for kids is a wonderful new ecology journal that uses colorful puzzles, games and articles to show children how to help make Earth a cleaner, greener place. Contact: P3, The Earth-Based Magazine for Kids, Box 52, Dept. JC, Montgomery VT 05470.

PROJECT LEARNING TREE

Activity Guide Book for Grades K-8 or 12 high school modules. Nations leading environmental education curriculum, PLT offers teachers and youth leaders over 100 environmental education hands-on activities. Attend a non-credit workshop for \$10 or a semester credit workshop for \$50. Contact: PLT State Coordinator, North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone 228-5446.

PROJECT WET

Grades K-12. A PLT sister program sponsored by North Dakota Water Commission. Non-credit workshops available. Contact: Bill Sharff, State Water Commission, 900 East Boulevard, Bismarck ND 58505; Telephone (701) 224-2750.

PROJECT WILD

Grades K-12. A PLT sister program sponsored by North Dakota Game and Fish. Non-credit workshops available. Contact: Dave Jensen, Project Wild Coordinator, North Dakota Game and Fish, 100 N Bismarck Expressway, Bismarck ND 58505; Telephone (701) 221-6322.

PROJECT FOOD, LAND & PEOPLE

Grades K-12 The understanding of the interdependence of food, land and people is crucial to maintaining a viable agricultural system conducive to a healthy society. Project FLP enriches existing agricultural, environmental and natural resource conservation programs. Contact: Jill Vigesaa, 7115-61 Ave. South, Fargo ND 58104; Telephone (701) 356-5123; cell 799-5488

RECYCLE TODAY!

Grades K-12. The Environmental Protection Agency's program of educational materials on solid waste and recycling. Write to RCRA Information Center (OS 305), U.S. EPA, 401 M Street SW, Washington DC 20460.

SHARING NATURE WITH CHILDREN

A book to aid youth leaders in helping children to become more aware of the world around them, and to help them to know the deep personal satisfaction of being in touch with the earth. Cost: \$7.95. Order from Dawn Publications, 14618 Tyler Foote Road, Nevada City CA 95959; 1-800-545-7475.

SIERRA CLUB BOOKS

This catalog of books available through the Sierra Club includes titles ranging from the story of Alaska's oil spill to an exploration of America's literary landscape by cultural historian Frederic Turner to a look at the complex issues surrounding tropical deforestation. Contact: Sierra Club Books, 730 Polk Street, San Francisco CA 94109; 415-776-2211.

TREES AND SHRUBS OF NORTH DAKOTA

Available free from your local county NDSU Extension agent as long as supplies last. Out of print.

TREES ARE TERRIFIC

#75021 "Trees Are Terrific!" from *NatureScope*. A creative education book filled with a lot of tree teaching ideas that can be used throughout the year to inspire children to appreciate the natural world and develop skills to make responsible decisions about the environment. Send \$7.95, plus \$3.95 for shipping and handling to: National Wildlife Federation, 1400 Sixteenth Street NW, Washington DC 20036-2266.

THE YOUNG NATURALIST

This book will show you how to set about detecting, observing and experimenting in the natural world around you. Each page is packed full of activities and projects. Contact: Usborne Publishing Ltd., Usborne House, 83-85 Saffron Hill, London EC1N 8RT, England. (Should also be available through a local bookstore.)

OTHER CHILDREN'S BOOKS

- "A Day in the Woods," National Geographic Young Explorer
"The Almond Orchard" by Laura Jane Coats, Macmillan, 1991
"The Amazing Apple" by Paulette Bourgeois, Addison-Wesley, 1990
"Apples--How They Grow" by Bruce McMillan, Houghton Mifflin, 1979
"Apple Tree, Apple Tree" by Mary Blocksma, Children's press, 1983
"Big Tree" by Mary and Conrad Buff, Viking, 1946.
"Birth of a Forest" by Millicent E. Selsam, Harper, 1964
"Biography of a Leaf: by Burke Davis, 1922
"Birth of a Forest" by Millicent E. Selsam, Harper, 1964.
"A Birthday Tree" by Ethel Collier, William R. Scott, Inc.
"The Black Pearl" by Scott O'Dell, Dell, 1977
"The Blossom on the Bough" by Anne Ophelia Dowden, Thomas Y. Crowell Co., 1975.
"Brother Eagle, Sister Sky" by Susan Jeffers, Dial Books, 1991
- "Call of the Wild" by Jack London, Grosset & Dunlap, 1931
"Caring for Trees on City Streets" by Joan Edwards, Schribner, 1975, Grade 6
"City Leaves, City Trees" by Edward Gallob, Schribner, 1972, Grade 6
"A Clearing in the Forest," Carrick, Carol and Donald, Dial Press, 1970, Grade 3
"A Closer Look at Jungles" by Joyce Pope, Gloucester Press, 1978.
"Conservation and Pollution" by Laurence Santrey
- "The Dead Tree," Alvin Tresselt
- "Embracing the Earth: Choices for Environmentally Sound Living" by Mark Harris, Noble Press, Inc., 1990
"Energy Demands" by Brian Gardiner, Gloucester Press, 1990
"Environmental Awareness: Acid Rain" by Mary Ellen Snodgrass, Bancroft-Sage Publishing, Inc., 1991
"Environmental Awareness: Air Pollution" by Mary Ellen Snodgrass, Bancroft-Sage Publishing, Inc., 1991
"Environmental Awareness: Solid Waste" by Mary Ellen Snodgrass, Bancroft-Sage Publishing Inc. 1991
"Environmental Awareness: Water Pollution" by Mary Ellen Snodgrass, Bancroft-Sage Publishing Inc., 1991

"Environmental Diseases" by Madelyn Klein Anderson, Franklin Watts, 1987
 "Exploring City Trees" by Margaret J. Anderson, McGraw-Hill, 1976.

"Facts on Domestic Waste and Industrial Pollutants" by Hugh Johnstone, Franklin Watts, 1990
 "The Fall of Freddie the Leaf" by Leo Buscaglia, Ph.D., Charles B. Slack, 1982.
 "Fifty Simple Things Kids Can Do To Save the Earth" by Andrews and McMeel, 1990, Earth Works Group
 "A First Look at Leaves" by Millicent E. Selsam and Joyce Hunt, Walker, 1972.
 "Flower Fairies of the Woodland" by Cicely Mary Barker, Blackie and Son, 1984.
 "The Forest" by David Bellamy, Clarkson N. Potter, Inc. Grade 3
 "Forest Fire," by Christopher Lampton
 "Forest Log" by James R. Newton, Thomas Y. Crowell Co., 1980

"The Giving Tree" by Shel Silverstein (Harper and Row) 1964
 "Good Planets Are Hard to Find" by Roma Dehr and Ronald Bazar, Firefly Books, 1990
 "Great Kapok Tree" by Lynne Cherry, Harcourt, Brace, Javanovich, 1990
 "The Greenhouse Effect" by Tony Hare, Gloucester Press, 1990
 "The Greenhouse Effect" by Darlene R. Stille
 "Groundwater: by mary Hoff and Mary Rodgers, Lerner Publications, 1991
 "Guess What Trees Do" by Barbara Rinkoff, Lothrop, Lee and Shepard Co.

"Have You Seen Trees?" by Joanne Oppenheim, Young Scott Books, 1967.
 "Heloise, Hints for a Healthy Planet" by Heloise, Putnam, 1990
 "How a Seed Grows" by Helene J. Jordan, Thomas Y. Crowell Co., 1960
 "Hidden Life of the Forest" by David Schwartz, Crown Publishers, Inc., Grade 5

"I'm in Charge of Celebrations" by Byrd Baylor, Charles Scribner's Sons, 1986
 "The Island of the Blue Dolphins" by Scott O'Dell, Dell, 1987
 "It's Arbor Day, Charlie Brown," by Charles M. Schulz, Random House, 1977.

"J. Sterling Morton: Arbor Day Boy" by Clyde B. Moore, The Bobbs-Merrill Company, Inc., 1962.
 "Johnny Appleseed" by Louis Sabin, Troll Association, 1985, Grade 4
 "Journey Through a Tropical Jungle" by Adrian Forsyth, Simon, 1988
 "Julie of the Wolves" by Jean Craighead George, Harper Collins, 1972
 "Junior Science Book of Trees" by Robert S. Lemmon, The Garrard Press, 1960

"Kids' Environment Book" b Anne Pedersen, John Muir Publications, 1991
 "Kids Guide to How to Save the Plant" by Billy Goodman, Avon/Camelot Boosk, NY, NY 10016, (212) 481-5653, 1990
 "The Kingdom of the Forest" by Ann Atwood, Scribners, 1972, ages 5-7

"The Leaf Book" by Anne Orange, Learner Pub. Co., 1975 (A book of leaf rubbings)
 "Leaf and Tree Guide" by Rona Beame, Workman Publishing, 1989
 "Lets Find Out About Trees" by Martha and Charles Shapp, Franklin Watts, 1970, ages 5-8
 "Lives of an Oak Tree" by Ross E. Hutchins, Rand McNally and Co., 1962.
 "Lookout for the Forest - A Conservation Story" by Glenn Blough, 1955, Grade 3
 "The Lorax" by Theodore Geisel (Dr. Seuss), Random House, 1971.

"Maple Tree" by Edith Thatcher, Morrow, 1968.
 "Maypoles and Wood Demons" by Elizabeth S. Helffman, The Seabury Press, 1972.
 "My Side of the Mountain" by Jean Craighead George, Dutton, 1988

"Nature Club: Trees and Leaves" by Althea, Troll Associates, 1990
 "A New True Book - Trees" by Illa Podendorf, Regensteiner Publishing Enterprises, Inc. 1982
 "Night Tree" by Eve Bunting, Harcourt Brace Jovanovich, 1991

"Oak & Company" by Richard Mabey, Greenwillow Books, 1983, Grade 5
 "The Oak Tree" by Laura Jane Coats, MacMillan, 1963, ages 3-6
 "On the Forest Edge" by Carol Lerner, William Morrow and Co., 1978, Grade 5
 "Once There Was a Tree" by Phyllis S. Busch, Scholastic Book Services, 1968, Grade 3

"Pesticides" by John Duggleby, Crestwood House, 1990
 "Play with Trees" by Millicent E. Selsam, Morrow, 1950.
 "Pollution and Wildlife" by Michael Bright, Gloucester Press, 1987
 "Pond and River" by Steve Parker, Alfred A. Knopf, 1988 (Eyewitness Book)
 "A Possible Tree" by Josephine Haskell Aldridge, Macmillan, 1993

"Save the Earth" by Linda Longo Hirsch, Troll Books and Associates, NY, 1992
 "Save the Earth: An Action Handbook for Kids" by Betty Miles, Alfred Knopf, 1991
 "SCS Tree Planting Handbook for the Dakotas" available at NRCS offices.
 "Secret Places" by D.J. Arneson, Holt, Rinehart and Winston, Inc., 1971.
 "See Through the Forest" by Millicent E. Selsam, Harper, 1956.
 "Soil Erosion and Pollution" by Darlene Stille, Childrens Press, 1990
 "Someday A Tree" by Eve Bunting, Clarion, 1993
 "Song of the Trees" by Mildred Taylor, The Dial Press, 1975, Grade 3
 "Springtime Tree Seeds" by Helen Ross Russell, Regensteiner, Publishing Enterprises, Inc. 1972
 "Sugaring Time: by Kathryn Lasky, MacMillan Co., 1983.

"Team Up to Clean Up" by Hamline University, 1536 Hewitt Avenue, St. Paul, MN 55104, 1992
 "This Is the Forest" by Edith Thacher Hurd, Coward, McCann and Geoghegan, Inc., 1969.
 "This is a Leaf" by Ross E. Hutchins, Dodd, Mead, 1962.
 "This Is a Tree" by Ross E. Hutchins, Dodd, Mead, 1964.
 "The Tiny Seed" by Eric Carle, Scolastic, Inc., 1987
 "Trapper" by Stephen Cosgrove
 "Trash" by Charlotte Wilcox, Walker, 1988
 "20,000 Leagues Under the Sea" by Jules Verne, New York, McKay Co., 1976
 "The Tree" by Donald Carrick, MacMillan Co., 1971, ages 6-7
 "A Tree Called Moses" by Laura Nelson Baker, Atheneum, 1966.
 "Tree Flowers" by Millicent E. Selsam, Morrow, 1968
 "A Tree Grows Up" by Jean M. Guilcher and R.H. Noailles, Sterling, 1972.
 "A Tree Is Born" by Jean M. Guilcher and R.H. Noailles, Sterling, 1960.
 "A Tree Is Nice" by Janice May Udry, Harper Row, 1956, ages 3-6
 "A Tree Is a Plant" by Clyde R. Bulla, Thomas Y. Crowell Co., 1960.
 "A Tree is Something Wonderful" by Elizabeth K. and Padraic Cooper, Golden Gate Jr. Books,

"Tree Trunk Traffic" by Bianca Lavies, E.P. Dutton
"Trees" by Rena K. Kirkpatrick
"Trees" by Illa Podendorf
"Trees, Prairies, and People -- Tree Planting in the Plains States" by William Droze
"Trees and Shrubs for Northern Gardens" by Leon Snyder
"Trees and Shrubs of the Northern Plains" by Donald Hoag
"A True Book of Trees" by Illa Podendorf, Children's Press, 1972
"Turtles ABC's for a Better Planet" by J. K. Rosser

"The View From the Oak" by Judith Kohl and Herbert Kohl, Brown company, 1977

"Welcome to the Green House" by Jane Yolen, Putnam, New York, 1993
"What is a Tree" by Gene Darby, Pictures Lucy and John Hawkins, Benefic Press, 1957
"Wonders of the Jungle" National Wildlife Federation, Washington, DC, 1986
"The World of a Tree" by Allen Paterson, Grosset & Dunlap, Inc. 1977

"A Year in the Forest" by Bill Hall, McGraw Hill, 1970, Grade 5

NATIVE AMERICAN ENVIRONMENTAL EDUCATION RELATED BOOKS

"Before the Wilderness - Environmental Management of Native California" by Kat Anderson.
Managed habitats, before contact. Good reference; quite academic
"The Desert Smells Like Rain" by Gary Nabhan. Ethnobotany and traditional agriculture of Tohono
Oodham and Southwest
"Enduring Seeds - American Indian Agriculture" by Gary Nabhan. Native ecology, native seeds, native
roots.
"Green History of the World" by Clive Ponting. World history via agriculture.
"Handbook of Native American Herbs: by Alma Hutchens. A good reference book on many Indian
plants.
"Introduction to Permaculture" by Bill Mollison. A how-to book on sustainable agriculture; fits well with
traditional gardening.
"Keepers of the Animals: Native American Stories and Wildlife Activities for children, Joseph Bruchac
and Michael Caduto, 1991
"Keepers of the Earth: Native American Stories and Environmental Activities for Children" by Joseph
Bruchac and Michael Caduto, Fulcrum, Inc., 1989
"Keepers of Life: Discovering Plants Through Native American Stories and Earth Activities for
Children" by Joseph Bruchac and Michael Caduto, Fulcrum, Inc., Golden Colorado, 1994
"Look to the Mountain. An Ecology of Indigenous Education" by Gregory Cajete, Kivaki Press, 1994
"Native American Gardening - Stories, Projects and Recipes for Families" by Joseph Bruchac, 1996.
Enjoyable anthology of traditional agriculture; fun projects.
"By The Prophet of the Earth" by L.M.S. Curtin. Ethnobotany of the Pima. Ancient Pima foods;
abundance of nature; nutrition, health.
"Wild Plants of the Pueblo Province - Exploring the Ancient and Enduring Uses" by William Dunmire.
A good reading and reference; color pictures; traditional and current uses.

REFERENCE BOOKS

- "America's Wild Woodlands" edited by Donald J. Crump et. al. (National Geographic Society) 1985.
- "Audubon Society Nature Guides: Eastern Forests" by Ann and Myron Sutton (Alfred A. Knopf) 1985.
- "Audubon Society Nature Guides: Western Forests" by Stephen Whitney (Alfred A. Knopf) 1985.
- "Field Guide to Trees and Shrubs" by George A. Petrides (Houghton Mifflin) 1972.
- "Forest" by Jake Page and the editors of Time-Life Books (Time-Life Books) 1983.
- "The Forest" (2nd rev. ed.) by Peter Farb and the editors of Time-Life Books (Time-Life Books) 1980.
- "The Great American Forest" by Rutherford Platt (Prentice-Hall) 1971.
- "Hug a Tree and Other Things to do Outdoors With Young Children" by Robert Rockwell, Elizabeth Sherwood and Robert Williams (Gryphon House, Inc. Publishers) 1983.
- "The Illustrated Encyclopedia of Trees, Timbers, and Forests of the World" by Herbert Edlin, Maurice Nimmo, et. al. (Harmony Books) 1978.
- "The International Book of the Forest" edited by Dr. Maurice Burton et. al. (Mitchell Beazley Publishers) 1981.
- "The International Book of Trees" by Hugh Johnson (Simon and Schuster) 1973.
- "J. Sterling Morton" by James C. Olson (University of Nebraska Press) 1942.
- "The Life of the Forest" by Jack McCormick (McGraw-Hill) 1966.
- "The Living Forest" by Jack McCormick (Harper) 1966.
- "Master Tree Finder" by May T. Watts (Nature Study Guild) 1963.
- "Plants and Animals" by Macmillan/McGraw Hill Company, 1993
- "The Quiet Crisis" by Steward Udall (Holt, Rinehart and Winston) 1963.
- "Sharing Nature With Children" by Joseph Bharat Cornell (Ananda Publications) 1979.
- "Spotter's Guide to Trees of North America" by Alan Mitchell (Usborne Publishing) 1979.
- "Trees" by Lawrence C. Walker (Prentice Hall) 1984.
- "Trees for American Gardens" by Donald Wyman (MacMillan Co.) 1965.
- "Trees of North America" by C. Frank Brockman (Golden Press) 1979.
- "Trees of North America" by Roger Phillips (Random House, Inc.) 1978.
- "The Winter Tree Finder" by May T. Watts (Nature Study Guild) 1970.
- "The Woodland Steward" by James R. Faxio (The Woodlands Press) 1985.

BROCHURES

AVAILABLE FROM -- NORTH DAKOTA FOREST SERVICE

Animal Damage to Hardwoods (NDFS)
Arbor Day - A Guide for Teachers (NDFS)

Champion Tree Contest Rules (NDFS)
Champion Trees of North Dakota (NDFS)
Christmas Tree Marketing (NDFS)
Conservation Trees (Agroforestry booklet)

Dutch Elm Disease (NDFS)

Forest Stewardship (NDFS)
Forest Stewardship Tax Law (NDFS)
Forest Tree Plantations (NDFS)

Hand Planting Trees (NDFS)
How to Care for Evergreens After Leaving
the Nursery (NDFS)
How to Use Container Seedlings (NDFS)

Living Snow Fences (NDFS)

North Dakota Forest Service (NDFS)
ND Summer Recreation Trails (Parks &
Rec)

Project Learning Tree (NDFS)
Pruning Tree Roots (NDFS)
Pruning Trees (NDFS)

Rural Fire Protection Assistance (NDFS)
Rural Fire Mitigation Action Guide (NDFS)

Sawmill Directory (NDFS)
Shelterbelt Renovation (NDFS)
State Forests Guide (NDFS)

Teacher's Guide to Arbor Month (NDFS &
Cent Trees)
Techniques of Street Tree Planting (NDFS)
Topping Versus Pruning (NDFS)
Towner State Nursery Catalog (NDFS)
Tree City USA
Tree Farmer
Trees are the Answer (USDA-FS)

Urban and Community Forestry Assistance
(NDFS)

Wild Elm Harvesting (NDFS)

AVAILABLE FROM -- NDSU EXTENSION SERVICE

Write to: Distribution Center
NDSU Extension Service
Morrill Hall
Box 5655
Fargo ND 58108-5655

<i>Number</i>	<i>Title/Cost</i>
H951	Keep North Dakota Clean - What Do You See When You Look At Your Community (1988)
H957	Xeriscape Plant Selections for North Dakota (1988)
PP-324	Dutch Elm Disease (1988)
E296	Insect Pests of Trees and Shrubs (1983)
H-531	Planting Trees & Shrubs (1987)
F994	Tree Roots and Their Growth
EB No. 1	Trees and Shrubs for North Dakota - Design and Evaluation (1970) \$1.00
EB No. 38	Trees and Shrubs of North Dakota (1991) \$.50
Minn.25	Identifying Elm Firewood (1979)

COMPUTER SOFTWARE

BALANCE OF THE PLANET

Chris Crawford. A rich and complex computer simulation that challenges you to try to save the earth and its living things, not from the Martians or mutant turtles, but from us. A complex issue transformed into a workable program that one can become engrossed in. IBM and Macintosh versions. Cost: \$49.95. Order from Accolade, 550 S Winchester Blvd., Suite 200, San Jose, CA 95128; 1-800-245-7744.

STRATEGEM

A microcomputer-based game about the factors that govern development of a region over a 50-year period. Population growth, environmental quality, capital investment, health and education, energy production and efficiency, agricultural production, international finance, trade, and debt--participants must weigh tradeoffs among all of these if they are to achieve sustainable development for their country. Kit includes all materials required as well as a 60-page teachers manual. Cost: \$100. Order from: Dennis Meadows, Institute for Policy and Social Science, Hood House, University of New Hampshire, Durham NH 03824; 603-862-2186.

SAVE THE PLANET

This program follows along on environmental education goals of similar programs, but also provides users with energy-saving tips, recycling ideas, informed shopping guidelines, a database of environmentally aware organizations, and a built-in word processor that's keyed to a database of Congressional representatives to facilitate writing letters that express your position on the environment. IBM PCs and compatibles. Cost: \$5. Order from: Save the Planet Shareware; 303-641-5035.

WEB PAGES

American Forests Website – <http://www.amfor.org>

Atlas of North Dakota Butterflies –
<http://www.npwrc.usgs.gov/resource/distr/lepid/bflynd/bflynd.htm>

Chicago Field Museum (Mammoth Dig) - <http://www.bvis.uic.edu/museum>

Consumer Science Teachers Recipes – <http://www.foodtv.com>

Council for Environmental Education: e-mail address: josettah@aol.com

Dakota Dinosaur Museum – <http://www.ctctel.com/dino>

Ecomall - <http://www.ecomall.com/ecomall/>

Econet - <http://www.econet.apc.org/econet/>

Ecoweb - <http://ecosys.drdr.virginia.edu/EcoWeb.html>

EE Grants – <http://eelink.umich.edu>

EE Link – <http://www.eelink.net>

EE Network – <http://www.envirolink.org/enviroed/>

Environmental Magazine - <http://www.emagazine.com>

Environmental Network - <http://www.envirolink.org>

Environmental News Network (ENN) - <http://www.enn.com:80>

Environmental Resources for Educators - <http://www.envirosw.com>

Environmental Protection Agency – <http://www.epa.gov>

EPA grants – <http://eelink.umich.edu>

Environmental Support Center (ESC) – <http://www.enVSC.org/>

Essential Information - <http://www.essential.org/monitor/monitor.html>

FASE Productions – <http://www.fasenet.org>

FREE Network – <http://www.freenetwork.org>

Global Change – <http://hq.nasa.gov/office/mtpe/edreports.html>

Global Change and EE – <http://www.gcrio.org/educ.html>

Global School Net Foundation – <http://www.gsn.org/hotlist/index.html>

Green Market - <http://www.greenmarket.com>

Greenpeace International - <http://www.greenpeace.org/>

Indigenous People – <http://www.acm.und.nodak.edu/~syth/danaica.htm>

International Society of Arboriculture – <http://www.ag.uiuc.edu/~isa/consumer/consumer.html>

Migratory Bird Website – <http://www.court.state.nd.us/birdday.htm>

National Aeronautical and Space Association (Phases of the Moon) -
<http://spacelink.msfc.nasa.gov/home.index.html>

The National Arbor Day Foundation - <http://www.arborday.org>

National Audubon Society - <http://www.audubon.org/audubon/>

National Education Association – <http://www.NEA.org>

National Fish & Wildlife Foundation – <http://www.nfwf.org>

Nature Conservancy (TNC) - <http://www.tnc.org>

North Dakota Department of Agriculture – <http://www.state.nd.us/agr/>

North Dakota Forest Service - <http://www.state.nd.us/forest>

ND TREE CENTER: www.ag.ndsu.nodak.edu/aginfo/trees/ndtreinf.htm

North Dakota Health Department – <http://www.state.nd.us/health>

Northern Prairie Science Center – <http://www.npsc.nbs.gov/>

Planet Earth Science World – <http://PlanEarthSci.com>

Project Learning Tree - <http://www.plt.org>

Rainforest Action Network (RAN) - <http://www.ran.org>

Reptiles and Amphibians of ND – <http://www.und.nodak.edu/org/ndwild/keyhed.html>

Science in the News – <http://www.gene.com/ae/RC/Science-news.html>

Teachers Helping Teachers – <http://www.pacificnet.net/~mandel/>

Tree Chat – <http://www.aip.com/chat>

Tree Doctor – <http://www.1stresource.com/t/treedoc/default/htm>

Webactive - <http://www.webactive.com>

U.S. Fish and Wildlife Refuge System – <http://wwbluegoose.arw.r9.fws.gov>

Endangered species – <http://www.fws.gov/~r9endspp/endspp.html>

U.S. Forest Service – <http://www.fs.fed.us/>

U.S. Geological Survey (Gold Mining) - <http://info.er.usgs.gov/>

World Wildlife Funds Weekly Earth Reports – <http://www.irn.org/links/contact.html>

Zoo Net for Kids (Zoo Vet) - <http://member.aol.com/zoonetkids/index.htm>

EDUCATIONAL PROGRAMS

GREENWORKS!

GreenWorks! is the community action component of Project Learning Tree (PLT). PLT teachers and their students can assess community needs, identify environmental action goals, and design and implement projects to achieve results. PLT educators and youth leaders provide guidance on environmental issues, while youth help their community and learn responsibility through implementing community service projects like planting trees, beautifying empty lots, cleaning a wetland, etc. Matching grant funds up to \$2,500 are available for PLT trained teachers on a competitive basis. For more information contact PLT State Coordinator, % North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446.

PROJECT LEARNING TREE

"Project Learning Tree" (PLT), sponsored by the North Dakota Forest Service, provides hands-on, interdisciplinary activities designed for teachers, natural resource professionals, and youth group leaders working with students in grades PreK-12. A **new PreK-8 activity guide** is arranged in five thematic sections -- reflecting a range of learning levels and styles. Specially developed activities are included for middle school students, enabling them to take part in meaningful action projects relating to real environmental issues in their communities.

The **high school curriculum** features a series of independent activity modules focused on critical environmental topics and associated issues. Each module contains background information, resources, activities, and supplementary materials such as maps, posters, videos, and software.

The only way to obtain PLT materials is to attend either a 4-6 hour noncredit workshop for \$10 for a 15 hour NDSU semester graduate credit workshop for \$65. For more information contact: Glenda Fauske, PLT State Coordinator, % ND Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446; Glenda.Fauske@sendit.nodak.edu

PROJECT WILD

A sister program of PLT, "Project Wild" is sponsored by the North Dakota Game and Fish Department and emphasis wildlife education activities for K-12 teachers. For information on the program or available teacher workshops, contact: Dave Jensen, ND Game and Fish Department, 100 N Bismarck Expressway, Bismarck ND 58501-5095; telephone (701) 328-6322.

PROJECT WET

A sister program of PLT, "Project Wet" is sponsored by the North Dakota Water Commission and provides water education activities for K-12 teachers. For information on the program or available teacher workshops, contact: Bill Sharff, ND State Water Commission, 900 East Boulevard, Bismarck ND 58505-0187; telephone (701) 328-2750.

PROJECT FOOD, LAND & PEOPLE

The understanding of the interdependence of food, land and people is crucial to maintaining a viable agricultural system conducive to a healthy society. Project FLP enriches existing agricultural, environmental and natural resource conservation programs. Contact: Jill Vigesaa, 7115-61 Ave. S, Fargo ND 58104: Telephone (701) 356-5123, cell: 799-5488.

TREES

**THE
REGIONAL
ENVIRONMENTAL
EDUCATION
SERIES**

The TREES programs are presented lyceum-style to elementary students, and designed to emphasize the need to protect and conserve our precious natural resources. Three programs are available and there is NO COST to schools.

Program 1 - "Pete Bogg and the Amazing Water Machine" Grades K-3
Program 2 - "Sam Ting" Grades 4-12 and Adult
Program 3 - "Common Cents" Grades 4-6
Program 4 – "Pierre Bottineau"

For additional information or book a program contact: Jill Vigesaa, Telephone (701) 356-5123, or cell: 799-5488

SMOKEY AND HIS FRIENDS

A one-act play, complete with 10 masks, stage directions and script which can be used again and again. Smokey Bear and his friends discuss fire. For Grades 2-6. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; (701) 228-5422.

KITS

PAPERMAKING KIT

Grades 4-6. A papermaking kit includes directions and supplies for 30 students to make one sheet of paper. Cost \$6. Order from: Minnesota Forest Industries, 208 Phoenix Building, Duluth MN 55802.

PLT & SAF TEACHER'S FORESTRY KIT

The North Dakota Forest Service and ND Society of American Foresters have put together 12 "Teacher Forestry Kits" which are available free on loan. The kit includes laminated and identified leaves, tree cookies, cones and activities for students. To borrow a kit, contact your local Teacher Learning Center or the North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446.

PRAIRIE ECOSYSTEM KIT

The USDA Forest Service has two "Prairie Ecosystem Kits" available for loan to teachers and educators. Each kit contains enough one-hour classroom activities for a week, as well as fur pelts and slides. Contact the USDA Forest Service, 240 West Century Avenue, Bismarck ND 58501; telephone (701) 250-4443

TREES ARE TERRIFIC KIT

The National Arbor Day offers a complete kit including a 20 minute video, 35 Tree ID books, a poster and teacher's guide book of activities. Buy one for your school or personal library for \$21. Contact The National Arbor Day Foundation at (402) 474-5655

MISCELLANEOUS

AMERICAN GROUND WATER TRUST

The American Ground Water Trust has developed a new toll-free information line that offers facts and figures about three broad areas: ground water quality, ground water protection, and water wells. You'll be able to listen to recorded messages and then leave a message at the end if you wish. The Trust will then mail you additional information. Call 1-800-423-7748.

EARTH DAY

Join in the celebration of Earth Day by planting trees on April 22 each year. To obtain tree planting information, contact: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446.

EARTHY SONGS FOR KIDS

Ken Lonquist's animal songs and crazy characters pop up in the 26 song collection: Cost \$10 plus \$1.50 s/h per item. Contact: Tomorrow River Music, PO Box 165, Madison WI 53701

ENVIROTHON

The Envirothon is a natural resource competition for high school students held each May. Since its inception in 1979, it has grown from a single-state program to a well organized national event. Each year, teams of five high school students from participating schools form teams and prepare for competition. Together with an adult supervisor from their school or community, they begin the process of learning the fundamentals of natural resources through four main areas of study: soils, water, forestry, and wildlife and a changing current conservation issue. The Envirothon isn't simply a quiz game with an environmental twist, it's a cooperative problem-solving effort that includes site-specific, hands-on tasks. If you want more information, contact: Information and Education Coordinator, ND Forest Service, 307 First Street East, Bottineau ND 58318-1100; Telephone (701) 228-5446 or Diane Olson, Envirothon coordinator at (701) 845-1674.

FRIENDS AROUND THE STATE

North Dakota Forest Service - sponsors "Project Learning Tree"
307 First Street East
Bottineau ND 58318-1100
(701) 228-5422

NDSU Extension Service
Box 5658
Fargo ND 58105
(701) 231-8161

Natural Resources Conservation Service
PO Box 158
Bismarck ND 58501
(701) 328-4425

ND Association of Soil Conservation Districts
PO Box 1601
Bismarck ND 58502
(701) 223-8518

North Dakota Department of Health
Jim Collins, Environmental Scientist
Recycling Coordinator
PO Box 5520
Bismarck ND 58502-5520
(701) 328-5166

North Dakota Game and Fish Department - sponsors "Project WILD"
100 N Bismarck Expressway
Bismarck ND 58501-5095
(701) 328-6305

North Dakota Parks and Recreation Department
1835 E Bismarck Expressway
Bismarck ND 58504-6708
(701) 328-5357

North Dakota Water Commission - sponsors "Project WET"
900 East Boulevard
Bismarck ND 58505-0187
(701) 328-2750

Turtle Mountain Environmental Learning Center - Outdoor Classroom Experience
RR 1 Box 359
#2 Lake Metigoshe State Park
Bottineau ND 58318
(701) 263-4514

US Army of Corps of Engineers
PO Box 517
Riverdale ND 58565
(701) 654-7411

US Bureau of Reclamation
PO Box 1017
Bismarck ND 58502
701) 250-4242

USDA Forest Service
240 Century Avenue West
Bismarck ND 58501
(701) 250-4443

ND Society of American Foresters
Attn: Yvette Gehrke
117-8th St. West
West Fargo ND 58078
(701) 282-3011

FRIENDS AROUND THE COUNTRY

Alliance for Environmental Education
PO Box 368
The Plains VA 22171

American Forest and Paper Association
1111 19 Street NW
Washington DC 20036

The Conservation Foundation
1250 24 Street NW, Suite 500
Washington DC 20037

Council for Solid Waste Solutions
1275 K Street NW, Suite 400
Washington DC 20005

National Arbor Day Foundation
100 Arbor Avenue
Nebraska City NE 68410

National Geographic Society
17th & M Streets NW
Washington DC 20036

National Park Service
Interior Building
PO Box 37127
Washington DC 20036
National Wildlife Federation
1400 16 Street NW

Washington DC 20036

The Nature Conservancy
1815 North Lynn Street
Arlington VA 22209

North American Association for
Environmental Education
1255 23 Street NW, Suite 400
Washington DC 20037

USDA Forest Service
Natural Resources Conservation
PO Box 96090
Washington DC 20090-6090

USDA Natural Resources Conservation
Service
PO Box 2890
Washington DC 20013-2890

US Environmental Protection Agency
Waterside Mall
401 M Street SW
Washington DC 20250

U.S. Fish and Wildlife Service
Department of the Interior
1849 C Street NW, Room 3445
Washington DC 20240

Note: The "Project Learning Tree" K-8 activity guide has an *extensive listing* of addresses for additional information and material; journals and periodicals with addresses; audio visual services; bibliography and other resources; children's books, field guides; directories; articles and special issues of periodicals; pamphlets, brochures and fact sheets; reports; curricula; videos, audiocassettes; maps; and posters.

THERE ARE THREE PLACES WHERE YOU CAN GET AN ABUNDANCE OF RESOURCE MATERIAL – Inexpensively

\$5/year EE News
DNR-IE
Box 7921
Madison WI 53707

\$10/year Utah Society for Environmental Education
230 South 500 East, Suite 280
Salt Lake City UT 84102 Phone (801) 328-1549

\$10/year Kansas Advisory Council for Environmental Education
University of Kansas
Lawrence KS 66045

\$35/year North American Association for Environmental Education
PO Box 400
Troy OH 45373

HACH CHEMICAL COMPANY

Catalog of water testing equipment, some with special emphasis education for students. Contact: Hach Chemical Company, PO Box 389, Loveland CO 80537; 1- 800-227-4224.

JOURNEY NORTH

An Internet-based learning adventure that will engage students in a global study of wildlife migration beginning February 2, 1995. Avail free: Gopher Server informns.k12.mn.us, and World Wide Web <http://informns.k12.mn.us> Subscriptions via fax/e-mail available for a small fee. For more information, contact Journey North, 125 N. 1st Street, Minneapolis MN 55401; Phone (612) 339-6959, fax (612) 339-4445; E-mail ehd@jriver.com.

LAMOTTE ENVIRONMENTAL SCIENCE PRODUCTS

A free catalog of water, soil and air sampling equipment designed and assembled for educational purposes. Contact: LaMotte Company, PO Box 329, Chestertown, MD 21620; 1-800-344-3100.

THE NEW ENVIRONMENTALIST

The first interactive environmental magazine on the Internet. Monthly. Each issue will include features focusing on what people can do in the home, community, and on the job to promote environmental sustainability. FREE over Internet via World Wide Web (<http://manning.cais.com/>). The publisher and members of the editorial board are available for comment and demonstrations. Contact Michael Manning at (202) 483-7311 to arrange an interview.

MUSICAL TAPES

Richard Shine, fifth grade teacher in Colorado, is releasing his third tape entitled "Celebrate the Earth!" This tape has an environmental theme with songs about trees, parks, cleaning the air and even a song about a trip to the sewer plant! To order a tape and an illustrated book send \$15 to Richard Shine, 192 S Polk Avenue, Louisville CO 80027; telephone (303) 661-9170.

NORTH DAKOTA WILDLIFE VIEWING GUIDE

Locate nearby outdoor classroom settings where you can take your students for some hands-on experience. This book tells you about natural areas that are right in your own backyard, and the animals, habitat and natural resources you may find. Copies are available for \$6.25 (which includes tax and shipping). Make a check payable to: North Dakota Forest Service and send it to the North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; 228-5422.

S & S SPECIALTY'S INC.

A wide range of Centennial Trees products available at wholesale prices which may be purchased or sold as fund raising items. Patches, mugs, lapel pins, t-shirts, sweatshirts, etc. Contact: S & S Specialty's Inc., PO Box 2923, Fargo ND 58108

THIS IS YOUR LIFE ACER MAPLE

This is a play for grades 3-6 with scripts available in both English and Spanish. It focuses on the life of a favorite maple tree and the things that are important to it. For more information, contact: USDA Forest Service, Northeast Forest Experiment Station, Technology Transfer Specialist, 5 Radnor Corporate Center, 100 Matsonford Road, Radnor PA 19087.

TREE COOKIES

2" tree cookies of 22 different species, dried and sanded are available for \$6, add \$3 for postage if you order one set and \$4 if you order 2 or 3 sets. Contact: Thune Enterprises, Sonya and Jerry Thune, RR 2 Box 130, Sacred Heart MN 56285; 320-765-2274.

VOLUNTEERS TEACHING CHILDREN: A GUIDE FOR ESTABLISHING ECOLOGY OUTREACH PROGRAMS

This describes an outreach effort originally started with the Denver Audubon Society that has spread to several cities across the country. It involves volunteers giving children opportunities to discover and investigate plants, animals, and ecological relationships in their own neighborhoods. For more information, Contact: North American Association for Environmental Education, 1255 23rd Street NW-Suite 400, Washington DC 20037-8912.

THE WOODLAND CATALOG

An entire catalog filled with Smokey Bear items such as T-shirts, mugs, stickers, badges, etc. which can be ordered by any individual or school. For a free copy write to: Woodland Enterprises; 9201 South 66 Street, Lincoln NE 68516-9307; (402) 423-5772.

POSTERS

ECOSYSTEMS OF THE MIDWEST

This is a poster produced by the U.S. Environmental Protection Agency. It describes the distribution of the wetland, forest, oak savanna, and prairie ecosystems in the midwest. For more information contact: U.S. Environmental Protection Agency, Region 5, 77 West Jackson Boulevard, Chicago IL 60604.

HOMEWORK POSTER

This large, colorful poster shows students what happens to their home and why its important to recycle. Cost \$1.50 for up to 25 copies and \$1.00 each for quantities more than 25. Order from: Laura Fox at the American Forest and Paper Association (202) 463-5176.

THE LIFE OF THE FOREST SERIES

K-12 and adults. The forest is a complex community where trees and other plants live in delicate balance. Learn how a tree's seed takes root...discover the world's history within the rings of a tree...identify creatures great and small that make the forest their home. These subjects and more are all beautifully illustrated in this limited edition 14-page color brochure and its accompanying set of 16 (16" x 20") posters. A great teaching tool. Send a \$15 check payable to: American Forest Foundation, 1111 19 Street, Suite 780, Washington DC 20036.

NSTA PUBLICATIONS SUPPLEMENT

For this listing of publications and posters available through the National Science Teachers Association, write: NSTA, 1742 Connecticut Avenue NW, Washington DC 20009-1171.

RAINFOREST POSTER

The 17" x 38" poster has 29 birds and animals hidden in foliage--for students to fill in with 12 large and 12 narrow tip non-toxic coloring pens (included). A separate chart identifies the animals. \$16.95 plus \$4.50 shipping. Call 1-800-227-1114 to order #353862 from the Nature Company.

THE RETURN OF THE FOREST: THE TENTH ANNIVERSARY OF THE ERUPTION, MOUNT ST. HELENS

A special educational poster produced by the Weyerhaeuser Company. The 22' X 37" full color poster features a panoramic photograph of the mountain as it looks today, plus fascinating text and many smaller photos depicting step-by-step the May, 1980, eruption, its aftermath and recovery process. Send \$2.50 per poster payable to American Forest Foundation to: Mount St. Helens Poster, Project Learning Tree, 1111 19 Street, Suite 780, Washington DC 20036; telephone (202) 463-2462.

TOUCH TREES POSTER

A bright green fold-out paper ball--9 inches in diameter--is the crown. The roots extend beyond the crown in extensions of the poster. Two people are touching the tree trunk. "Touch Trees" is at the top of the poster. At the bottom is this statement; "People who touch trees do care, for the trees and world we share." One copy \$8. Write: Shigo and Trees, Associates, 4 Denbow Road, Durham NH 03824- 3105; Phone (603) 868-7459

U.S. FORESTED AREAS MAP

Project Learning Tree created a 30"x40" two-sided forest map showing the location of federal lands such as National Forests, wilderness areas, National Parks, Wildlife Refuges, Indian Reservations and others. The map also identifies forested areas in the United States and Territories. On the other side is a full color map showing the location of forest types throughout the world. These include Tropical Rainforests, Seasonal Forests, Temperate Forests, Dry Forests, and Boreal Forests. Cost: 1-9/\$3 each 10-24/\$2.50 each 45-499/\$2 each 500+/\$1.50 each Order from: American Forest Foundation, 2900 Chamblee Tucker Road, Bldg. 5, Atlanta GA 30341.

WATER RESOURCE INITIATIVE PROGRAM

The Department of Interior has a Water Resource Initiative Program that produces a series of posters on water resources. Outreach notebooks for use in the classroom or in after school activities are also available. For more information, contact: USGS Earth Science Education Project, Denver Federal Center, PO Box 25046, MS-414, Denver, CO 80225

WATER: THE RESOURCE THAT GETS USED AND USED AND USED AND USED FOR EVERYTHING!

Free, 24" X 35" posters, one for elementary grades, a second for middle school. Write to: U.S. Geological Survey Books and Open File Reports Section, Box 25425, Denver CO 80225-0425.

WE ALL NEED TREES

PLT's four-color poster (17" x 22") which shows how important trees are to people and wildlife and the backside is filled with Tree Trivia. Send \$1.50 in a check payable to: Project Learning Tree, % North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; 228-5446.

VIDEOS

Free on Loan From NORTH DAKOTA FOREST SERVICE
307 First Street East
Bottineau ND 58318-1100
(701) 228-5446

AMERICA'S FORESTS: A HISTORY OF RESILIENCY AND RECOVERY

27 Minutes. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

ARBOR DAY FARM: A Legacy of Stewardship

18 minutes - "Plant trees" are the two words that sum up the mission of The national Arbor Day Foundation. J. Sterling Morton, the man who wrote those words established Arbor Day and stewardship ethic that has spread around the world. Morton's home place, Arbor Day Farm and the story of the Foundation's commitment to the environment are told in this fascinating look into the past, present...and future.

ARE WE KILLING AMERICA'S FORESTS?

30 minutes. Forces of nature and human actions threaten the health and very survival of America's heritage and imagination. Explore the state of our nation's forests in this new television documentary. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; (701) 228-5422.

AVOIDANCE OF CONSTRUCTION DAMAGE TO TREES ON WOODED LOTS

Available for \$25. Contact: International Society of Arboriculture, Box 908, Urbana IL 61801.

THE BEST OF NATURE

53 minutes. Wildlife film maker Wolfgang Bayer spent two years documenting not only the devastating fires of Yellowstone, but also its magical rebirth from the ashes. The first major fire in many years restored the natural process of burning and rejuvenation, and this film examines the delicate balance as life returns to Yellowstone. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

BLUE PLANET

42 minutes. Produced by the Smithsonian National Air and Space Museum. This beautiful video shows footage of the earth from space and explores our blue planet. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

THE CANYON CREEK FIRE OF 1989

30 minutes. Policy and actions surrounding the fire. Available on loan from: MSU-Bottineau, Forestry Department, 105 Simrall Boulevard, Bottineau ND 58318-1198; telephone (701) 228-5422.

CENTER FOR FOREST ENVIRONMENTAL STUDIES

10 minutes. Produced by the USDA Forest Service, it gives a brief tour of the new center in Georgia and how they are studying the effects of air pollution on our forests. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

A CHILDREN'S STORY OF SMOKEY BEAR

12 Minutes. Puppets explain the 50 year history of Smokey Bear to young children. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

CHRISTMAS TREE RECYCLING

For use by schools and communities interested in recycling Christmas trees into reusable products for garden mulch, fish and wildlife habitat. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

THE CONTINUING FOREST

28 minutes. The National Hardwood Lumber Association presents a video for the middle and secondary audiences. The film speaks about how we use forests (recreation, aesthetics, products, wildlife, etc.) and how we should work to assure its health and continuation. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; (701) 228-5422.

ECOSYSTEM MANAGEMENT

28 Minutes. The Evolution from New Perspectives. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

ENVIRONMENTAL EDUCATION ADVOCACY: EVERYONE'S RESPONSIBILITY

30 Minutes. Informational and motivational look at building comprehensive state environmental education programs. Produced by EPA with appearance by Earth Day Founder Gaylord Nelson, National Wildlife Federation President Jay Hair, NAAEE President-elect Kathy McGlauflin, NEEAP Director Richard Wilke and more. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422. Or send \$15 (includes s/h) to National Environmental Education Advocacy Project, College of Natural Resources, UW-Stevens Point, Stevens Point WI 54481.

EPA FREE LOAN AUDIOVISUAL PROGRAMS

This catalog lists videos available free on loan from the Environmental Protection Agency on a variety of topics. Contact: U.S. EPA, Region V, 230 S Dearborn Street, Chicago IL 60604.

EXPLORING LEWIS AND CLARK'S NORTH DAKOTA

This 30 minute VHS video has Sakakawea (portrayed by Amy Mossette) telling the story of Lewis and Clark in North Dakota. You follow the Lewis and Clark Trail and learn about Fort Mandan, Knife River Indian Villages and their experiences while in North Dakota. Schools can obtain a free copy of the video by writing on letterhead to the ND Tourism Division or contact Carrie Wagner at (701) 328-9866 or (800) 852-5685 or cwagner@gwmail.nodak.edu. A copy of the video may be borrowed from the ND Forest Service by contacting Glenda Fauske at (701) 228-5446.

FIFTH NATIONAL URBAN FOREST CONFERENCE

60 minutes. This video, resulting from the 5th National Urban Forest Conference, is a solid education and motivational tool. Made up of nine segments (from three to thirteen minutes long), the video provides a strong environmental and pro-tree message. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

FIFTY YEARS WITH SMOKEY BEAR

23 Minutes. Explains how Smokey Bear came about and how the fire prevention campaign has evolved over 50 years. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

FOLLOWING NATURE'S PLAN

10 minutes. Produced by the USDA Forest Service. A grandfather explains to his granddaughter how important the environment is to us all. We need clean air, water and soil -- we must follow nature's plan. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

FOREST ECOLOGY AND WILDERNESS

12 minutes. Grades 4-8. Introduce environmental education concepts into the classroom while reinforcing basic skills. The video is available for loan from the North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422. You can purchase the video and six freestanding lessons which includes student activity sheets and a map, by sending \$5 to: Green Scene, School for Renewable Natural Resources, U of AZ, Tucson AZ 85721.

FOREST WARS

"Forest Wars" documents an American dilemma: can we have our wood products and our forests too? From the embittered fights over spotted owls, old growth, fire and wilderness, that rage in our forests, to the politics that rage in our bureaucracies "Forest Wars" takes you to the battlegrounds and introduces you to the warriors on both sides of the issues. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

FORESTRY: AN INTRICATE BALANCE

12 minutes. Grades 7-12 and young adults. A thoughtful, visual portrayal of the forest resource in the United States, the many demands Americans place on the forest, and the role of forestry in helping to balance those demands. The program includes a historical perspective, short interviews with four forestry professionals, scenic footage from around the United States, and a look at global issues. Presented by the Society of American Foresters and USDA Forest Service. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

THE GARDEN OF EDEN

A video that explains why it is critical to protect gene pools and the variety of plant and animal life on earth. Leaders in science, business and pharmaceutical research show how improved foods, new products and future medicines depend upon the preservation of natural ecological systems. Contact: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422, or order your free copy from: Nature Conservancy Library, Box 315, Franklin Lakes, New Jersey 07417.

GIFTS THAT GROW WITH TIME

9 minutes. Good for local community groups and teachers planning tree planting projects. Students are sparked by planting trees. How it makes them feel and why it is such a good thing to do. Produced by the USDA Forest Service. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

I NEED THE EARTH AND THE EARTH NEEDS ME

30 minutes. Excellent video which depicts the relationship we all share on the earth. Air, soil and water need us as much as we need them. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone 228-5446. Schools can obtain a free copy of this video if they send a blank VHS tape and letter of request to: GM Photographic, 465 W Milwaukee, Room B901, Detroit MI 48202.

IN CELEBRATION OF TREES

An hour-long Discovery Channel special about trees available for \$19.95. Call 1-800-443-7400. Or a copy is available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; (701) 228-5422.

IT TAKES A TREE

17 minutes. On average, every man, woman and child uses the equivalent of one tree in wood and paper products each year. That tree measures roughly 100 feet in height and 18 inches in diameter. This video discusses what's being done to protect the environment while your tree is being harvested. It explains what special and unique forests are closed to logging and forever preserved in national parks, wilderness areas and other protected areas. In areas where harvesting is allowed, the video addresses reforestation, stream and riparian area protection wildlife protection, soil erosion and roads, high technology logging equipment and the state laws called Forest Practices Acts that regulate commercial forest operations. Produced by Pacific Logging Congress. Contact: ND Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446.

KIDS MAKE A DIFFERENCE...YOU CAN TOO!

12 Minutes. Kids can make a difference by planting trees. By Colorado State University. Available on loan from: North Dakota Forest Service, 1511 East Interstate Avenue, Bismarck ND 58501; telephone (701) 328-9944.

LIFE OF A FOREST

A self-contained Unit of Study designed for grades 5-8 with the study of a forest ecosystem. Full motion videos and printed student activities help students better understand the growth, aging and interconnectedness of forest life. Two 20-minute videos: 1) "The Birth of a Forest" and 2) "A Forest Grows Old." Free on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

LOGGING THE WAY I SEEN IT

20 minutes. The Hobi Family logging history, Douglas County, Oregon. From homesteading to the 1960s. Available on loan from: ND Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446.

LUMBER PRODUCTION

35 minutes. From logging through finished products in the Texas area. Available on loan from: MSU-Bottineau, Forestry Department, 105 Simrall Boulevard, Bottineau ND 58318-1198; telephone (701) 228-5435.

THE MAN WHO PLANTED TREES

30 minutes. A charming tale of a French beekeeper who single handedly forests a barren part of his country. It won the 1990 Motion Picture Award from the National Arbor Day Foundation. Christopher Plummer narrates the English version. Plummer is probably best known for his starring role as Captain Von Trapp in the musical "The Sound of Music." Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

MATERIALS AND THE ENVIRONMENT

30 Minutes. By Dr. Jim L. Bowyer of the Temperate Forest Foundation. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

NATURAL RESOURCES: A CAREER CHOICE THAT MATTERS

6 minutes. Grades 7-12 and young adults. Shows natural resources careers as those in which an individual can have a good job and also "make a difference." The video encourages students from diverse cultures, both rural and urban, to consider a career in the natural resources. Presented by the Society of American Foresters and USDA Forest Service. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

ON THE FIRE LINE

23 minutes Grades 5-12 and adults. USDA Forest Service video on fire fighting, need of fire in ecosystems and the danger of the urban/wildland interface. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

PEOPLE AND TREES GROWING TOGETHER

10 minutes. Neighbors working together to plant trees and create a better neighborhood. From the America the Beautiful Program. Available on loan from: North Dakota Forest Service, 1511 East Interstate Avenue, Bismarck ND 58501; telephone (701) 328-9944.

PHYTHON'S OPPORTUNITIES

15 minutes. Minnesota based recycling company shows what it can do for communities to help them start a recycling center. Available on loan free from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

PLANT HEALTH CARE: PUBLIC INFORMATION TAPE

By the National Arborist Association. Available on loan from: North Dakota Forest Service, 1511 East Interstate Avenue, Bismarck ND 58501; telephone (701) 328-9944.

PLANTING A HISTORIC TREE

10 minutes. In this brief program the spirit of George Washington teaches a boy on a class field trip the importance of trees and their care and nurturing. (Global Releaf) Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

PRESIDENT BUSH DEDICATES CENTENNIAL GROVE

57 minutes. Relive the President's visit to North Dakota in April 1989 to dedicate the Centennial Grove on the State Capitol grounds and to plant a tree in honor of North Dakota and its people. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

PRUNING YOUR OWN TREES AND SHRUBS

Available on loan from: North Dakota Forest Service, 1511 East Interstate Avenue, Bismarck ND 58501; telephone (701) 328-9944.

RAIN FOREST RAP

Grades 1-8. A video vividly depicting the rain forest and the problems facing its ecosystems. Telephone 301-338-6951

SHARE THE JOY OF NATURE

40 minutes. Developed for teachers, naturalists and youth leaders by Joseph Cornell. It shows how to lead nature games in a variety of places like a city park, etc. Available free on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone 228-5422. Available for \$25.95 (including postage) from Dawn Publications, 14618 Tyler Foote Road, Nevada City, CA 95959, or call 1-800-545-7475.

SOMETHING IN THE AIR

27 minutes. Produced by the USDA Forest Service, it depicts the effects of air pollution on our forests. On loan from: ND Forest Service, 307 First Street E, Bottineau ND 58318: (701) 228-5446

SOUTH DAKOTA'S FORESTS

28 minutes. A cooperative effort by South Dakota Society of American Foresters, South Dakota Tree Farm Committee and Keep South Dakota Green Association. For loan by contacting: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

A SPECIAL KIND OF CARE

13 minutes. A National Arbor Day Foundation presentation about developing a solid community forestry program and attaining Tree City USA status. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

STEWARDS OF FAMILY FARMS, RANCHES AND FORESTS

10 minutes. Available from North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

TREE

30 minutes. An Eyewitness video that roots out the most amazing facts about these silent sentinels of our hectic planet. Although they stand vulnerable to every attack from forest fire to fungus, they remain invincible. Whether tiny bonsai or giant sequoia, trees enrich every corner of our world. Available from North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; Telephone (701) 228-5446.

TREE HEALTH MANAGEMENT: EVALUATING TREES FOR HAZARD

Available on loan from: North Dakota Forest Service, 1511 East Interstate Avenue, Bismarck ND 58501; telephone (701) 328-9944.

TREE IDENTIFICATION (FOREST TREES)

18 Minutes. Available from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

TREES, PLEASE

15 minutes. Award winning urban project of Pekin, Illinois, is highlighted. Convincing evidence shows tree shelters protect seedlings and create a greenhouse environment, almost doubling total height and survival. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

TREES, SHRUBS, NUTS AND BERRIES: VIDEO COOKBOOK AND FIELD GUIDE

1 hour. Renowned botanists Dr. Jim Duke and Jim Meunick take you across North America identifying trees and shrubs. Learn folklore, folkmedicine and little known health tips. Full color action video makes field identification easy. Discover unique desserts, soups and savouries made from wild berries and nuts. See the national parks, wild game, volcanos, waterfalls--breathtaking areas where we find wild fruits, nuts and berries. Available on loan by contacting: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

TRIPPING WITH TERWILLIGER

K-6 award-winning nature education video. The tape includes five 15-22 minute presentations entitled: 1) Bay Tidelands; 2) Redwood Forest, Stream, Ocean Beach and Monarch Butterfly Trees; 3) Grassland, Chapparral and Fresh Water Pond; 4) Oak Woodland; and 5) Sights and Sounds of the Seasons. All of the sections feature naturalist Elizabeth Terwilliger (Mrs. T.). The video is available free of charge from the Terwilliger Nature Education Center, PO Box 12057, Hauppauge NY 11788.

WEED BARRIER APPLICATION

7 minutes. This video presents the benefits of weed control in new tree and windbreak plantings. Application of the synthetic weed barrier is present in a step by step procedure. Produced by NDSU Extension Service. 1990. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

WHERE, WHY AND HOW

9 Minutes. A Child's Guide to the Origins of Everyday Stuff. A short video for kids that shows a tree's trip from the forest to the sawmill and eventually being used to build a house. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5446.

WILD ABOUT LIFE

A four-part program about biodiversity for middle and high school Science curriculum. A four – part video and instructional guide is designed to introduce students to the important concept of biodiversity. The segments are designed so each part of the video can be viewed as a separate unit, with supplementary activities provided in this guide to enhance the video's educational value.

#1 Biodiversity rules (14:28) The bald eagle, manatee, black-footed ferret, and Pacific yew illustrate the importance of biodiversity to our own survival and quality of life.

#2 Long Journeys (12:41) Migratory animals, such as the endangered whooping crane and hummingbird, provide reasons for protecting habitat beyond our state and national boundaries.

#3 Predators and People (11:10) Predators like the gray wolf and grizzly bear play an important role in healthy ecosystems. Careful research and compromise are often needed to help resolve people/predator problems.

#4 Joining Forces for Nature (14:14) People are forming partnerships to address conservation problems they can't resolve along. A good place to start is at the local level.

Contact: ND Forest Service, 307 First Street East, Bottineau ND 58318-1100; or telephone (701) 228-5446.

THE WILL WITH THE VISIT

18 minutes. The old farmer realizes too late that poor farming practices kept his farm unproductive. He'd led a hard life because of it. Now he was leaving his son nothing but the worn out farm. He writes his son a letter of regret, then passes away. Years later, on a mild summer day, the son visits his dad's graveside. He misses his dad and tells him so. He relates how farming has changed, and how conservation has made the farm productive once again. The son thanks him for the family farm and the productive lifestyle he loves. "Children learn from both good and bad examples." Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau, ND 58318-1100: Telephone (701) 228-5422.

WINDBREAKS--PLANNING, PLANTING AND CARE

18 minutes. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

WINDBREAK RENOVATION

30 minutes. Basic principles of windbreak renovation in a clear, easily understood summary of the current practices. Available on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

WOODSY'S TEAM KEEPS OUR COUNTRY CLEAN

10 minutes. Full color video of Woodsy with children seeing and discussing litter and vandalism, as well as air, water and noise pollution. Good for use in the classroom for K through 3 or by organizations such as Scouts. Free on loan from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

YAKETY YAK - TAKE IT BACK

45 Minutes. Recycling music video kids of all ages will love and enjoy. It tells of many simple things we all do to stop hurting our environment. Start the recycling evolution. Available from: North Dakota Forest Service, 307 First Street East, Bottineau ND 58318-1100; telephone (701) 228-5422.

VIDEOS AVAILABLE -- NORTH DAKOTA BEEF COMMISSION
4023 North State Street
Bismarck ND 58501
(701) 224-2794

CATTLEMAN CARE ABOUT THE ENVIRONMENT

AVAILABLE FROM -- NORTH DAKOTA DAIRY COUNCIL
4023 North State Street
Bismarck ND 58501
(701) 224-3133

PRODUCT RESEARCH: ASSURING THE FUTURE

9 Minutes. A video which shows how product research keeps dairy products competitive in the marketplace and which has been used in schools where teachers want to demonstrate the excitement of science to their students has been produced by the National Dairy Board.

UNCLE JIM'S DAIRY FARM

22 Minutes. This is a short drama about a city boy who visits his cousin on a modern dairy farm. The video gives a simple explanation of dairying, describes dairying as a business, and touches on the need for proper foods for growth and health of animals and humans.

WRONG SIDE UP

14 Minutes. Vividly entertains and educates audiences with the history of the ND Dairy industry. A sanctioned ND Centennial project, this video was funded by grants from the American Dairy Association of North Dakota and the ND Centennial Commission. Produced by Dairy Women of North Dakota in cooperation with the ND Dairy Promotion Commission, the video received an honorable mention in a national communications contest.

AVAILABLE FROM - ND STATE UNIVERSITY EXTENSION SERVICE

**Media Library
Morrill Hall
 Fargo ND 58105
(701) 237-7399**

ARBOR DAY: GROWTH FOR THE FUTURE

6 minutes President Theodore Roosevelt comes alive to deliver to North Dakota school children the same address he delivered to the nation's school children on April 15, 1907. Shot entirely in North Dakota, the videotape is ideal for use in schools, community Arbor Day ceremonies and in teacher education programs. Produced by NDSU Extension Service. 1990

ABANDONED WELL PLUGGING: BETTER SAFE THAN SORRY

12 Minutes. A general discussion of groundwater contamination is presented. Plugging of abandoned wells is shown as one of the methods that can reduce the potential for groundwater pollution. Standard plugging methods and materials are shown that can be used by individual well owners. Produced by NDSU Extension Service. 1991.

ALTERNATIVE AGRICULTURE

2 Hours. Presents an overview of alternative agricultural opportunities and questions that need to be answered, marketing considerations and five alternative enterprises - vegetable production, Christmas tree production, broiler production, catfish production and leased hunting. A satellite video conference. 1988.

CENTENNIAL DECADE TREE PLANTING PROGRAM

5 Minutes. KX network examination of the 100 million tree planting goal for the centennial. They examine the importance of trees. Featured are the Towner nursery where trees are raised from seed, the Corp of Engineers and their planting on Lake Sakakawea, and soil conservation districts in windbreak planting. 1989.

ENTOMOLOGY

8 Minutes. This program presents facts about insects and possible uses of insects in biological control. It also discusses how entomology affects areas of research such as cellular biology and explores career possibilities with a background in entomology. Part of Science of Agriculture series provided by the NDSU College of Agriculture. 1987.

FARM CHEMICAL SAFETY IS IN YOUR HANDS

12 Minutes. This videotape explains how ag chemical toxicity levels are determined and what the signal words and symbols mean on pesticide containers. The tape also explains about the use of personal protective equipment when working with pesticides. Pesticide exposure routes are also explained. Provided by National Agricultural Chemical Association.

GREAT AMERICAN WOODLOTS

13-30 Minute programs. It offers practical help to small woodlot owners. The series fosters a sense of husbandry and stewardship for forestland, illustrates the role of the forestry professional, demonstrates practical uses for woodlots in terms of income and recreation, emphasizes the forest as potential wildlife habitat, and surveys some of the larger issues pertaining to the future of forests.

Program 1 - Tour of national wildlife demonstration area, urban forestry, baling pine straw, history of logging development, and a discussion on the importance of managed forestland.

Program 2 - Ponds for wildlife in your woodlot, forest succession, all-terrain-vehicle trailer for use in woodlots, chain saw safety--what to look for when buying a chain saw, and a discussion on the importance of a healthy forest.

Program 3 - Owner of the northern most tree farm in the United States, ways to create food and cover for wildlife, horse logging, woodlot management plans, chain saw kickback, land stewardship.

Program 4 - Managing land for Ruffed Grouse, additional pointers on wildlife food and cover, use of maps and a compass, stream maintenance and water quality, and safety clothing for working in the woods.

Program 5 - How to fell trees without getting hurt, research on wild turkeys in the forest, converting farm tractors for safe use in the woodlot, the annual 4-H forestry competition, and a description on how woodlots contribute clean water.

Program 6 - A safety demonstration and shows safe ways to limb and buck trees, describes the Converts Project and explains how forestry and wildlife work together in a woodlot, a new concept of agroforestry.

Program 7 - How to set up and operate a wood splitter safely. Grouse researcher Gordon Gullian begins the first of three segments of ruffed grouse. Woodcutters are shown how to maximize the value of their logs and a session on improving black walnut trees through genetic search and a program that stresses the importance of trees in protecting topsoil.

Program 8 - A tour of woodlot created from an abandoned strip mines. A segment the proper use of a brushsaw. An explanation of how woodlot owners can manage their forestlands for ruffed grouse. Woodlot owners are shown how tree seedlings are grown. How to protect forests from fire and insects and a segment on intensive pine plantation management and wildlife.

Program 9 - Water research at the U.S. Forest Service Hubbard Brook Watershed, an explanation on how ruffed grouse survive in cold weather, tree planting techniques, genetically improved Hybrid Larch and a description of forest practice regulations.

Program 10 - Researchers discuss their efforts to develop drought resistant trees, how to create wildlife habitat, prescribed burning in the woods and a segment on shelterbelts. Also a discussion on forestry education in schools.

Program 11 - U.S. Forest Service researchers describe their efforts to grow better forests, a woodlot owner describes how his woodlot was turned into a heron rookery. A small sawmill was used to make lumber and build a house. Tools and gadgets for the woodlot and also comments on the creation of National Forest plans.

Program 12 - A discussion on fast-growing firewood, techniques to improve woodcock habitat. U.S. Forest Service smoke jumpers, backyard maple syrup production and a prescription for woodlot health are the other programs included in this program.

Program 13 - Leasing timberland to hunters, hardwood timber values, wildlife management techniques for the woodlot, marketing of timberlands and woodlot owner organizations are the different segments included in this video. 1990

INTEGRATED PEST MANAGEMENT: A CHANGE FOR THE FUTURE

20 Minutes. The concept of integrated pest management is introduced and examples of the application of these technologies demonstrates the economics, energy and environmental savings that can be obtained by their usage.

NOXIOUS INVADERS OF NORTH DAKOTA (NOXIOUS WEEDS)

17 Minutes. This program describes how noxious weeds affect the lifestyle, jobs and health of the general public. It's designed to promote identification and control showing the weeds in various growth stages and habitats. The six weeds described are: leafy spurge, spotted knapweed, field bindweed, Canada thistle, perennial sowthistle and absinth wormwood. Funds for this program came from Dow Chemical, NDSU Extension Service, ND Weed Control Association, ND Department of Agriculture. Content supervisor, Rod Lym, Agronomist, NDSU. 1988.

ON-FARM AG CHEMICAL SAFETY

24 Minutes. Practical methods of handling, storing, and using agricultural chemicals are demonstrated. Safety is stressed to protect human health and the environment. This video will help the applicator: (1) read and understand pesticide labels; (2) assess the on-farm pesticide inventory and facilities; (3) develop a contingency plan to handle chemical related accidents and other health emergencies; and practice the major rules for safe chemical handling. Training materials to be used with this video are available. Produced by Monsanto. 1991.

PEST MANAGEMENT AND SCOUTING FILM

60 Minutes. This pest management/scouting film deals with the important techniques and considerations involved in properly examining and evaluating field crops for pest infestation. This particular film demonstrates field scouting in field corn. Produced by Farmland Industries, Inc., Kansas City, Missouri.

PROTECTING WATER/CROPS PESTICIDES AND WATER QUALITY

23 Minutes. This program is about the damage pesticides can do when water becomes contaminated with them. A description is given for each of six ways contamination can occur, followed by some control techniques for the prevention of each. The most dangerous pesticides are listed and some programs are described, such as integrated pest management and determining economic thresholds, that assist growers in reducing pesticides levels. The program ends with a list of do's and don'ts for using pesticides.

PRUNING YOUR OWN SHRUBS AND SMALL TREES

51 minutes. Proper pruning techniques are simple to learn and easy to do. Shows basic procedures for pruning shrubs and small trees. Produced by the University of Idaho College of Agriculture.

RINSE, COLLECT, AND RECYCLE

12 Minutes. This program discusses the importance of proper rinsing and disposal or recycling of pesticide containers. Proper rinsing and disposal procedures are demonstrated. Container recycling projects are being conducted in several states. Produced by Mississippi State University. 1990.

TREES CONTROL WIND AND SNOW

This brief video goes through a table-top size demonstration of tree shelterbelts and how they affect snow and wind actions in a field and farmstead setting. 1987

UNDERGROUND STORAGE TANKS

1 Hour and 30 minutes. Sponsored by the National Fire Protection Association, this satellite program addresses the concerns of leaking underground storage tanks, the proper installation of tanks, and the abandonment and removal of old tanks. The program is directed to fire departments and other public agencies with the desire to assist in the implementation of safe practices dealing with installation of underground storage tanks. Cooperatively produced by NFPA and the US Environmental Protection Agency. 1988.

ZERO TILLAGE

29 Minutes. This program cites experiences of 12 Manitoba farmers with zero till farming practices in 1977. Produced by the Manitoba Department of Agriculture.

**FILMS ABOUT TREES -- North Dakota State Film Library
State University Station
Box 5036
Fargo ND 58105
(701) 237-8907**

"Forests In Balance--A Fight Against Time" 30 min. 1982
"Heritage Restored" 14 min 1962
"Life and Death of a Tree" 20 min. 1980
"Man in Green" 29 min. 1970
"The National Arboretum" 14 min. 1969
"New Man in the Forest" 26 min. 1970
"Planting and Transplanting" 21 min. 1969
"The President Plants a Tree" 7 min. 1957
"Pruning Practices" 21 min. 1966
"Roots of the Nation" 28 min. 1976
"Tree and Shrub Planting" 15 min. 1972
"Tree is a Living Thing" 11 min. 1965
"Trees: How to Know Them" 14 min. 1970
"Trees: The Biggest and Oldest Living Things" 17 min. 1982
"Trees: Their Flowers and Seeds" 11 min. 1969
"Trees and Their Importance" 12 min. 1966

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