

# ENVIRONMENTAL QUICKIES



**Pacific Northwest Region, National Park Service**

523 - 4th & Pike Building, Seattle, Washington 98101



## A COMPILATION OF ENVIRONMENTAL EDUCATION RESOURCE MATERIALS

*What should I read? Where do I locate the information I need? How can I enrich the school day? Why teach environmental education? What is the best time to introduce a child to his life partner — the environment?*

The materials included in this compilation may make the answers to these often asked questions a bit easier to come by. These materials are intended to provide you, the teacher, with hints and time savers, as well as a guide through the maze of environmentally-oriented information now available.

We hope you will find, among these many sources, something of value as you involve yourself in the study and teaching of environmental education.

### **KITS, WORKBOOKS, PRODUCTS**

#### **SCHOLASTIC'S NEW EARTH STUDY PROGRAM**

An environmental teaching program for Grades 1-6: multi-media, activity oriented, complete in itself, authoritative, flexible and easy to use, oriented toward student's personal interests, and useful with both social studies and science. Cost of program is \$1.00 per pupil.

Promotional brochure explaining entire program, including kits and other materials is available from Scholastic Book Services, 904 Sylvan Avenue, Englewood Cliffs, New Jersey 07632.

#### **TIPS AND TRICKS IN OUTDOOR EDUCATION**

Edited by Malcolm D. Swan. Prepared by the members of the Department of Outdoor Teacher Education, The Lorado Taft Field Campus of Northern Illinois University, Paper. 1970. 184 pages. Order from The Interstate Printers & Publishers, Inc., Danville, Illinois 61832.

## **MAN AND HIS ENVIRONMENT**

**Man and His Environment: An Introduction to Using Environmental Study Areas** was produced by the Association of Classroom Teachers, NEA, in cooperation with Project Man's Environment, American Association for Health, Physical Education and Recreation, and the National Park Service. The paper booklet contains two major divisions: Environmental Study Areas and Instructional Activities. A discussion of the strand approach to environmental education presents an interesting method for studying the environment.

A filmstrip with booklet was produced to accompany the publication. Order from: NEA Publications-Sales Section 34, 1201 16th Street, N.W., Washington, D.C. 20036. Booklet: \$1.75/single copy (Stock No. 246-25118) and filmstrip, printed guide and script, and 33-1/3rpm recorded narration, \$15 (Stock No. 388-11902).

## **NATIONAL ENVIRONMENTAL EDUCATION DEVELOPMENT (NEED)**

A program of the National Park Service, NEED is a process for developing environmental awareness, understanding, and values through use of existing curricula in today's schools. The processes that form the background of NEED operate everywhere throughout the environment — in nature, and in man's civilization, culture, history, and society. NEED can be used to make environmental concepts relevant to any lesson in any curriculum for any child — regardless of individual background or environment. Level six is available now. Levels three, four, five, seven, and eight will be available in late fall, 1972.

For more information, contact: Silver Burdett Co., Box 362, Morristown, New Jersey 07960.

## **ECOLOGY AND CONSERVATION AIDS**

The Audubon Society offers ecology and conservation kits for \$13, a savings over the cost of individual items. Included is an Audubon ecology chart, an Audubon ecology study program (student booklet, leader's guide, four-color wall chart), nature bulletins on conservation and ecology, conservation fact sheets, charts on forest food chains and saltwater food chains, and 10 Audubon slides on ecology.

Write to Educational Services, National Audubon Society, 1130 Fifth Avenue, New York, New York 10028.

## **PEOPLE AND THEIR ENVIRONMENT**

Teachers Curriculum Guide to Conservation Education. Eight volumes covering all grade levels. Edited by Matthew J. Brennan. Available from J. G. Ferguson Publishing Co., Chicago, Illinois.

## **JOHNNY HORIZON ENVIRONMENTAL TEST KIT**

New and timely. Helps students learn about their environment by performing ten key tests: six for water, four for air. Designed to make a comprehensive analysis of the air and water in a given locale, all tests are easy to perform and can be repeated several times. Kit includes equipment and materials for all tests, patented Millipore filtration system, illustrated 32-page booklet with charts and complete instructions.

Cost \$6.49 per kit (min: 6 kits). Order from Parker Brothers, P.O. Box 900, Salem, Mass. 01970.

## CONSERVATION TOOLS FOR EDUCATORS

Prepared and published by the U.S. Forest Service (Pacific Northwest Region) in 1968, this paper publication provides useful concepts and approaches and presentations for educators. Suggested grade level for teaching is also included.

Information may be obtained from the Conservation Education Officer, U.S. Forest Service, P.O. Box 3623, Portland, Oregon 97208.

## A PLACE TO LIVE

Amplly illustrated and colorful; this workbook contains information and exercises which develop a sense of relationship between the student and his environment. Exercises for out-of-doors and indoors are included. Discussion of "you" the student; where you live; other living things; about animals; food, water, air, climate, shelter; ways in which cities change the environment.

The workbook and teacher's guide are published by the National Audubon Society, 1130 Fifth Avenue, New York, N.Y. 10028. Paper.

## MINIATURE ENVIRONMENTS—AN ENVIRONMENTAL EDUCATION GUIDEBOOK

This nicely designed and illustrated booklet is a means of bringing nature into the daily lives of children. It concerns environments which can be created when outdoors are not available. Suggests ways to build miniature environments—low cost materials. Instructions for construction of several land and water environments.

Contact Mr. Louis V. Stevenson, Bureau of Outdoor Recreation, Division of Information, Room 4241, U.S. Department of the Interior, Washington, D.C. 20240.

## URBAN DISCOVERY MANUAL

75 stimulating ideas for investigating some common urban resources indoors and outdoors. By Dr. Phyllis S. Busch, Director, Project S.P.R.U.C.E.

Available from Project S.P.R.U.C.E. (Science Project Related to Upgrading Conservation Education), Ulster County BOCES, New Paltz, New York 12561 (mimeographed form).

## BOOKS

- Hammerman, Donald R. and William M. Hammerman. **Teaching in the Outdoors.** Minneapolis: Burgess Publishing Co., 1964.
- Hitch, Allen S. and Marian Sorenson. **Conservation and You.** New Jersey: D. Van Nostrand Company, Inc., 1964. \$3.50
- Hug, John W. and Phyllis J. Wilson. **Curriculum Enrichment Outdoors.** Evanston: Harper and Row, Publishers, 1965. \$3.80
- Leopold, Aldo. **A Sand County Almanac.** New York: Ballantine Books, 1966. 95¢ (paperback)
- Milliken, Margaret, Austin F. Hamer, Ernest C. McDonald. **Field Study Manual for Outdoor Learning.** Minneapolis: Burgess Publishing Co., 1968.
- Storer, John H. **The Web of Life.** New York: The New American Library, (Signet Science Library), 1953. 75¢ (paperback)
- Storer, John H. **Man in the Web of Life.** New York: The New American Library (Signet Science Library), 1968. 95¢ (paperback)
- Worth, Jean. **Man, Earth and Change.** New York: Coward-McCann, Inc., 1968. \$3.75

## PERIODICALS

- Environment** /Committee for Environmental Information, 438 No. Skinker Blvd., St. Louis, Missouri 63130. \$8.50/yr
- CF Letter** /monthly publication of The Conservation Foundation, 1717 Massachusetts Avenue, N.W., Washington, D.C. 20036. \$6/yr. Quantity rates upon request. (Also provides a variety of free materials.)
- National Wildlife Magazine** /National Wildlife Federation, 1412 - 16th Street, N.W., Washington, D.C. 20036.
- Ranger Rick** /Published by the National Wildlife Federation, 1412 - 16th Street, N.W., Washington, D.C. 20036. \$6/10 issues.

## DIRECTORIES & BIBLIOGRAPHIES

**Programs in Environmental Education.** Compiled by the National Science Teachers Association. 1970. 51 pp. Paper. Stock No. 471-14394. Order from NEA Publication Sales Section, 1201 - 16th Street, N.W., Washington, D.C. 20036. Designed to serve as a clearing house for information exchange about science programs related to the environment. An effort of NSTA to aid in the search for information about experiences of others in environmental education programming.

**1972 Conservation Directory.** Washington, D.C.: The National Wildlife Federation, 1412 - 16th Street, N.W., Washington, D.C. 20036. Paper. \$1.50. A listing of organizations, agencies and officials concerned with natural resource use and management. An excellent source book for brief descriptions, names and addresses of federal, state and local programs dealing with the many aspects of conservation. Includes international, regional, national, interstate organizations and commissions and citizens groups.

**Environmental Education Bibliography** (for pre-school to grade 3; grades 4 to 6; and grades 7-9). Prepared by the Massachusetts Audubon Society for the U.S. Office of Education.

**Environmental Education for Everyone.** Order from NEA Publications Sales, 1201 - 16th Street, N.W., Washington, D.C. 20036. Single copies 75¢. Bibliography of curriculum materials for environmental studies—list of books, curricula activities, readings, environmental problems, teaching kits, films, filmstrips, etc.

**Bibliography of Environmental Education Materials.** Prepared by the Washington Ecology Center, 2000 P Street, N.W., Room 308, Washington, D.C. 20036. Sections contain books, pamphlets and magazines; games; films/filmstrips, among others.

**Readings for the Eco-Activist.** A bibliography of Selected Environmental Publications of the Executive Branch of the Federal Government. Prepared by the Task Force on Environmental Education and Youth Activities, Office of the Secretary of the Interior, Washington, D.C. 20240.

Carvajal, Joan and Munzer, Martha E. 1971. **Conservation Education: A Selected Bibliography, Supplement.** Prepared for the Conservation Education Association. Paper. 38 pp. Order from The Interstate Printers & Publishers, Inc., Danville, Illinois. (No. 1237). Titles selected from publications between 1967-1970. Titles are marked by suggested reading levels—elementary, middle grades, high school, teachers and group leaders. Subject headings: interrelationship of resources; natural resources—air, water, plants, animals, soil, land use, earth materials, energy resources; role of man—quality of the environment; social implications of conservation; population; planning; and others. Tools for the teacher, publishers index, author index and subject index are also included.