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ABSTRACT

The resource guide is designed to assist educators, park resource persons, and parents of disabled children in locating and identifying sources of information for developing, implementing, and evaluating outdoor education programs for all disabled children and youth. The guide has two main parts. The first part contains an annotated bibliography citing 182 special outdoor education, general outdoor education, funding, and accessibility resources; titles, addresses, and prices of 22 special and 23 general journals and newsletters; titles and addresses of 22 resource catalogs; names and addresses of 54 organizations concerned with outdoor/environmental education; telephone numbers and addresses of state outdoor special education directors; addresses and telephone numbers of 51 colleges and universities offering a curriculum emphasis in outdoor education and/or therapeutic recreation; and names and addresses of the 92 publishers of the resources first listed in the bibliography. A subject index lists 40 different descriptors cross referenced with bibliographic citations. The second part of the guide is an annotated directory of 172 separate outdoor education programs and centers--representing 28 states--which serve both disabled and non-disabled persons in either segregated or mainstreamed settings. Organized alphabetically by state, each entry provides the program's address, telephone number, name of contact person, type of disabled population served, and a brief description of services and activities offered. (NEC)

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A Guide to Outdoor Education Resources and Programs for the Handicapped

KC015878

A GUIDE TO OUTDOOR EDUCATION RESOURCES AND PROGRAMS FOR THE HANDICAPPED

**Dennis A. Vinton, Project Director
Anne E. Cassidy, Sr. Research Associate
Jenny Mayberry, Research Associate**

**Outdoor Education for the Handicapped Project
University of Kentucky
Lexington, Ky.**

November 1982

PROJECT STAFF

Dennis A. Vinton.....Project Director
Anne E. Cassidy.....Senior Research Associate
Jenny Mayberry.....Research Associate
Elizabeth Kaiser DeJarnette.....Research Associate
Judith Pittenger.....Graduate Assistant
Jennifer Eastham Moyer.....Graduate Assistant
Jo Ann Smith.....Project Secretary
Betty Williams.....Project Secretary
Terri Hartley.....Project Secretary
Melville J. Appell.....Project Officer
Office of Special Education
U.S. Department of Education
Eileen Lehman.....Project Officer
Office of Special Education
U.S. Department of Education

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National Advisory Committee Members

STEVE BRANNAN, Professor, Special Education Department,
Portland State University, Portland, Oregon

REYNOLD CARLSON, Professor Emeritus, Department of Recreation and
Park Administration, Indiana University, Bloomington, Indiana

EUGENE EZERSKY, District Director, Cooperative Extension,
Cornell University New York, New York

WILLIAM HAMMERMAN, Professor of Education, San Francisco State
University, San Francisco, California

CHARLES LEWIS, Chairman, Department of Health, Physical Education and
Recreation, University of North Carolina, Wilmington, North Carolina

DIANA RICHARDSON, Miami, Florida

GARY ROBB, Director, Indiana University Outdoor Education Center,
Bradford Woods, Martinsville, Indiana

SHERYL JO STEPHAN, Professor, Recreation and Park Department,
Eastern Kentucky University, Richmond, Kentucky

FLONNIA TAYLOR, Executive Director, United Cerebral Palsy of the
Bluegrass, Child Development Center, Lexington, Kentucky

Field Test Site Coordinators & Expert Review Panel

PENNY EBEL, Recreation Supervisor, Lexington-Fayette Urban County Parks and Recreation Department, Lexington, Kentucky

BOB FORTNEY, Special Education Teacher, Fayette County Public Schools, Lexington, Kentucky

JOE HOWARD, Outdoor Education Coordinator, Lathrope E. Smith Environmental Education Center, Rockville, Maryland

MIKE MULDOON, Executive Director, Northern Suburban Special Recreation Association, Highland Park, Illinois

ERNEST NANCE, Assistant Director, City of Dallas Park and Recreation Department, Dallas, Texas

NORMAN SKLIAR, Administrator, Outdoor Environmental Education, BOCES of Nassau County, Westbury, New York

JOHN TIERNEY, Park Naturalist, Carter Caves State Resort Park, Kentucky Department of Parks, Frankfort, Kentucky

Contributing Authors and Consultants

STEVE BRANNAN, Professor, Special Education Department, Portland State University, Portland, Oregon

MARCIA JEAN CARTER, Re.D., Coordinator of Special Populations Programs, Bradford Woods Outdoor Education, Recreation and Camping Center, Martinsville, Indiana

CRAIG COLTON, Assistant Professor, Department of Recreation, University of Maryland, College Park, Maryland

JULIE DAVIS, Project Coordinator, Special Education Department, Portland State University, Portland, Oregon

TERRY D'EUGENIO, Workshop Director, Adaptive Environments, Boston, Massachusetts

ELIZABETH FARLEY, Consultant, Lexington, Kentucky

SHARON E. FITZGERALD, Recreation Administrator, Georgia State Camping Program for the Handicapped, Will-A-Way Recreation Area for the Handicapped, Fort Yargo State Park, Winder, Georgia

MARK HAVENS, Coordinator, Project TORCH, Bradford Woods Outdoor Education, Recreation and Camping Center, Martinsville, Indiana

JOE HOWARD, Outdoor Education Coordinator, Outdoor Education Program,
Lathrop E. Smith Environmental Education Center, Rockville, Maryland

SUSAN KAPLAN, Coordinator of Special Programs, Minnesota Outward Bound
and the Physically Disabled, Ely, Minnesota

RICHARD O. KIMBALL, Director, Santa Fe Mountain Center, Santa Fe, Mexico

CHARLES LEWIS, Chairman, Department of Health, Physical Education and
Recreation, University of North Carolina, Wilmington, North Carolina

EVERETT N. LINDSTROM, Program Coordinator, Camper Graduates, Eckerd
Wilderness Education System Camping Program, Brooksville, Florida

JESSYNA MCDONALD, Evaluation Design Specialist, Hawkins and Associates,
Washington, D.C.

KATIE AHERN MCGUINNESS, Research and Design Facilitator, Adaptive
Environments, Boston, Massachusetts

NANCY MCKINLEY, Freelance Writer, Colorado Outdoor Education Center for
the Handicapped, Breckinridge, Colorado

LYNN PATTERSON, Program Director, Camp Confidence, Brainerd, Minnesota

GARY ROBB, Director, Indiana University Outdoor Education Center,
Bradford Woods, Martinsville, Indiana

DENISE ROBINSON, Evaluation Design Specialist, Hawkins and Associates,
Washington, D.C.

CHRISTOPHER ROLAND, Consultant, Hancock, New Hampshire

NORMAN SKLIAR, Associate Administrator, Nassau BOCES Outdoor and
Environmental Education Program, Westbury, New York

GUY M. SPEARMAN, III, Executive Director, Eckerd Wilderness Educational
System Camping Program, Brooksville, Florida

VICKI STAYTON, Coordinator/Instructor, Project EASE, Murray State
University, Murray, Kentucky

LINDA THOMPSON SAUERWEIN, Camp Administrator, Babler Outdoor Education
Center, Chesterfield, Missouri

ROGER UPCRAFT, Coordinator, Camping Services, Courage Center Outdoor
Education Programs, Golden Valley, Minnesota

BRUCE WERBER, Executive Director, Colorado Outdoor Education Center
for the Handicapped, Breckinridge, Colorado

TERRY WILSON, Director, Center for Environmental Education, Murray
State University, Murray, Kentucky

FOREWARD

This publication is the result of a three year research and development project conducted by the University of Kentucky's College of Education with funding from the U.S. Department of Education, Office of Special Education Programs. Begun in 1978, the primary purpose of the Outdoor Education for the Handicapped Project was to develop, field test and disseminate a comprehensive instructional program model to assist educators, park and resource management personnel and parents or guardians of handicapped children to cooperatively plan and implement outdoor education programs designed to meet the needs of handicapped children and youth.

The development of the instructional program model involved extensive preparation and research. Activities such as conducting a comprehensive literature search and review, surveying over 600 outdoor education programs and centers, identifying competencies to determine the design and approach to the instructional model and developing a systems model to outline the process of outdoor education program planning and implementation were organized and conducted during the early months of the project. After these activities were completed, the materials were developed and prepared for two major phases of developmental testing beginning with a prototype (pilot) review by a panel of experts representing educators, parents and park and resource management personnel.

Immediately following, the materials were revised and prepared for national field testing. Five outdoor education centers and programs in the states of Maryland, New York, Illinois and Kentucky were selected to participate in this process. The five national field testing teams were also comprised of persons representing each of the three target facilitator groups who provided objective feedback and recommendations as to how the materials and resources may be further refined to better meet their individual needs. Results of this developmental testing effort, as well as the many other helpful and constructive recommendations the project staff received have been incorporated in this and other publications which embody the instructional program model.

INTRODUCTION

One of the more significant findings resulting from the Outdoor Education for the Handicapped Project's three year research effort was the apparent shortage of materials, information and resources specifically targeted toward the inclusion of disabled children and youth in outdoor education programs. In an attempt to meet the needs expressed by many educators, park resource persons and parents of disabled children, this guide and the other project-developed materials have been designed to assist interested persons with locating and identifying specific sources of information for developing, implementing and evaluating outdoor education programs for all disabled children and youth. The information and resources that are found in this guide have been collected over a three-year period by the project staff from many hundreds of professionals and parents representing varied types of outdoor education programs and interests. Surveys, questionnaires and literature searches served as the primary means for obtaining the information.

As the reader will note, this guide has been divided into two major sections beginning with the Annotated Bibliography of Selected Resources in Outdoor Education for the Handicapped. Included in this section is a subject index which is designed to quickly locate resources pertaining to a specific subject area (i.e., legal liability, mentally handicapped, etc.) that may not be found as easily in the table of contents. Locating topics of a more general nature in this section, such as funding, accessibility and outdoor education resources for the disabled, can be found by simply reviewing the table of contents.

The second major section of the guide - An Annotated Directory of Selected Outdoor Education Programs Serving the Handicapped - begins on page 116. The outdoor education programs listed in this section have been organized alphabetically by state. For added convenience, an alphabetical state listing by page number has also been included in the table of contents. Readers will find the directory particularly helpful for identifying and locating outdoor education programs which serve disabled populations in their own community, state or region. It can also serve as another resource for obtaining additional program ideas and information.

This guide will continue to be periodically updated and revised by adding new resources and information. Suggestions and comments are always welcome as to how this guide might be revised to make it more relevant and practical to better meet the needs of all persons committed to providing quality outdoor education experiences for the disabled.

Annotated Bibliography of Selected Resources in Outdoor Education for the Handicapped

This section of the guide includes twelve separate subsections containing a variety of resource listings specific to the field of outdoor education for the disabled. Each subsection is preceded by an introductory page which either describes the content to be found in that section or calls attention to any specific instructions that may be necessary before using the information that follows. The reader is encouraged to read the introductory pages to obtain a better understanding of the guide as a whole.

The availability of publications and materials listed in the following four subsections was verified by the publisher of each. Price information was also verified and listed to provide approximate cost range. However, in some cases, prices have not been provided for certain publications such as professional journals and newsletter or journal article reprints. Copies of these publications can usually be found in local college or university libraries. Also, the address of each publisher has been listed beginning on page 106. All price and availability information is current as of June, 1982.

Subject Index

The subject index contains 40 different descriptors which have been cross referenced with the bibliographic citations in the first four sections of this guide: (1) Outdoor Education Resources - Special; (2) Outdoor Education Resources - General; (3) Accessibility Resources and (4) Funding Resources. The numbers listed under each description correspond to the numbers preceding each citation. The numbers of the citations listed on each page also appear in the upper right hand corner of each page in each of the first four sections.

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Outdoor Education Resources—Special

This section of the guide lists over 55 selected resource books, curriculum guides, journals, articles and other documents which specifically addresses the inclusion of disabled students in outdoor education related programs. All resources listed and price information (approximate) were verified as to their availability by each publisher.

KEY:

(#54) - Publisher name and address information number; see page 106 for listing.

Recommended resources for:

- E - Educators
- P - Parents
- PR - Park and Resource Management Personnel

OUTDOOR EDUCATION RESOURCES - SPECIAL

1. Adventure with Confidence: A Handbook of Activities and Advice for Using Camp Confidence. Brainerd, MN: Northern Minnesota Therapeutic Camp, Inc., 1978. (#54)

Designed for use at particular camp, but practical for use in any camping venture. Excellent idea source for planning year-round outdoor activities. Topics include Skiing, Snowshoeing, Ice Fishing, Ice Skating, Camp Eating and Safety-Health guidelines.

\$5.00

E/PR

2. Ascarelli, Anna. "Nature Study and the Handicapped." Nature Study, 2:1-2, 1977. (#67)

Emphasizes natural science as means of helping blind children tune into the world and expand their horizons. Focuses on Perkins School for the Blind and its use of observation and experimentation as essential teaching tool.

E/P

3. Asted, Paul C. "A Study of Materials and Aids for the Blind in Nature Centers." Masters Thesis (microfiche). Pennsylvania State University, 1975. (#88)

Comprehensive study of nationwide nature centers providing environmental interpretive services to the handicapped, with emphasis on the blind. Lists specific guidelines for tools, materials and aids that should be made available in nature programs to make experiences for the blind more meaningful. Report includes selected bibliography of related resources focusing on the outdoors and the handicapped, as well as several appendices, including interview formats and lists of aids and materials.

E/PR

4. Backus, Laurie and others, "Outdoor and Adventure Programs: Complementing Individual Education Programs and Treatment Plan Objectives," ed. Gary M. Robb, Practical Pointers, The American Alliance for Health, Physical Education, Recreation and Dance, 4:1. July, 1980. (#2)

Describes several model outdoor education programs and activities that can be employed by teachers and other related personnel. The activities and resources listed provide readers with practical ideas for utilizing the outdoor medium to create a positive experience for both participants and leaders.

\$2.25

E/PR

Outdoor Education Resources - Special, cont.

5. Brannan, Steve A. EXPLORE Program. Portland, Oregon: Explore Education, 1981. (#33)

Comprehensive curriculum combines outdoor education and recreation concepts, the materials were designed and field tested with handicapped children and youth for use in both classroom and outdoor settings. Comprised of skill oriented task cards, a user's guide and achievement record sheets for students, materials can be easily employed by professionals and paraprofessionals to provide individual and small group instruction to handicapped or non-handicapped youngsters. The set of task cards cover the content areas of Nature Study and Development, Camping and Self-Maintenance, Safety and Survival, Arts and Crafts, and Sports, Games and Physical Development.

\$84.50

PR & E

6. Burton, R. Ledger, and Barbara Blakey. "Breaking the Cycle of Failure Through Experiential Education." The Forum, 7:3:7-8. Fall, 1981. (#35)

Discusses Vision Quest, an Arizona-based treatment program with learning environments for seriously emotionally disturbed students-often with multiple referrals to criminal justice and/or mental health systems-whose behavior is "out of control." Vision Quest operates group homes, home-based family support programs (Home Quest), special education classrooms, learning centers, wagon trains, sailing programs and wilderness camps.

E/PR

7. Byers, E. Sandra. "Wilderness Camping As a Therapy for Emotionally Disturbed Children: A Critical Review." Exceptional Children, 48:8:628-635, 1979. (#22)

Summarizes current literature on therapeutic camping for emotionally disturbed children; includes nature of existing programs, rationales for the superiority of camping as therapeutic program, and evaluation of existing programs. Results of program-evaluation research reported in the literature provide only minimal support for any particular effectiveness ascribed to therapeutic camping in terms of either short or long-term therapeutic outcome - regarded as primarily due to inadequate investigation of the process and/or outcome of therapeutic camping.

E

Outdoor Education Resources - Special, cont.

8. Cormany, Robert B. "Outdoor Education for the Retarded Child." Education and Training of the Mentally Retarded, 9:2:66-69, 1974. (#90)

Describes outdoor education experience designed for special education classes in given district: Student exposure to philosophies in a three-day camping trip. Includes pre-activity and post-activity evaluation and related discussion.

E

9. Cowan, Shiela. "An Outdoor Learning Experience." American Annals of the Deaf, 123:8:954-59, 1978. (#3)

Describes curriculum used in two-week outdoor experience for 150 deaf and fifty hearing-impaired children ages sixteen through twenty-one. Activities were not specified but integration of outdoor experiences with developmental and academic objectives was described.

E/PR

10. Croke, Katherine Bissell, and Betty Jacinto Fairchild. Let's Play Games!: A Collection of Games That Children With Physical Handicaps Can Plan and Enjoy With or Without Adaptations. Chicago: National Easter Seal Society for Crippled Children and Adults, 1978. (#61)

Booklet provides fifty-six games and recreational activities for the physically disabled. Emphasizes activities that bring enjoyment to individuals who have experienced only limited opportunities in following natural stages of play development. Stresses fair play, good sportsmanship, honesty and safety.

\$1.75 + \$.75 postage and Handling

P/PR/E

11. Dickinson, Debbie. "Outward Bound: Experiential Education for the Hearing Impaired." The Forum, 7:3:12;16-17. Fall, 1981. (#35)

Relates experiences of the hearing impaired population as they are involved in Outward Bound course. Outward Bound is ideal medium for addressing needs of the hearing impaired: communication-participation gap is bridged through activity-based wilderness experience rather than language.

E/PR

Outdoor Education Resources - Special, cont.

12. Drager, Kerry A., "Going It Together." Sierra, May/June, 1980. (#80)

This article discusses the many new developments in wilderness and outside programs for the disabled. Several major programs are discussed. Outdoor activities discussed include: white water rafting, camping, skiing, trails, and swimming.

PR/E

13. Dustin, Daniel L., and David A. Daly. "A Therapeutic Camp for Communicatively Handicapped Youths." Therapeutic Recreation Journal, 12:24-29, 1978. (#85)

Supports role of therapeutic recreation in preventing or reducing the effects of secondary disabilities (e.g., poor physical development or limited social skills attributable to communicatively youths' avoidance of speaking situations). Includes program description of University of Michigan's Shady Trails Camp that not only vindicates therapeutic recreation services for youths with speech and language disorders but substantiates its importance.

E/PR

14. Dykstra, Ralph R. Outdoor Education for the Handicapped. Washington, DC: U.S. Educational Resources Information Center, ERIC Document ED 105 672, 1973. (#32)

Proceedings from special study institute to provide teachers of handicapped children with relevant information on outdoor education. Primarily describes computer-based resource guide that given the objective(s) as well as child's mental age, reading level, handicapping condition(s), and interests, suggests activities, materials, and measuring devices.

\$11.90

E

Outdoor Education Resources - Special, cont.

15. Enderes, Richard W. A Year-round Camping and Outdoor Education Center for the Mentally Retarded in the Northern Locality of the United States. Arlington, VA: U.S. Educational Resources Information Center, ERIC Document ED 052 875, 1968. (#32)

Evaluates feasibility of establishing year-round camping and outdoor education program for mentally retarded individual within northern United States; also examines the literature, proposed program, and evaluation methodology. Conclusions: (1) outdoor education programs require cooperation of both professional and voluntary national, state, and local agencies; (2) outdoor experiences are important components in "growing up" process; (3) outdoor education programs provide one of the few areas in which it is still possible to gain firsthand information; (4) both informal and formal classes are necessary; (5) ample resource material is available; and (6) because of informal method of conducting outdoor education classes, each student may progress at own rate.

\$3.65

E/PR

16. Enjoying the Environment, Environmental Education Curriculum. U.S. Educational Resources Information Center, ERIC Document ED 097 211, 1974. (#32)

Specific outline - with detailed teaching suggestions - for the development of skills relevant to boating, riflery, fire building, fishing, archery, microscope study, and tenting; units can be used independently and are intended for emotionally and mentally handicapped students (intermediate and junior high level).

\$3.65

E/PR

17. Foster, Herbert L. "The Junior Guidance Camp Experience: An Experiment in School Camping for Emotionally Disturbed and Socially Maladjusted Inner City Elementary School Children." The Forum, 7:3:13-15. Fall, 1981. (#35)

Reports on one school camping experiment in spring of 1964 and touches on some earlier camping experiences from mid-thirties to the spring of 1964. Experiment reported was cooperative venture between New York City Board of Education and Johanna M. Lindlof Camp Committee for Public School Children. Program's uniqueness lay in its involvement of socially maladjusted and emotionally disturbed inner city elementary school children; prior programs had been primarily for secondary school youngsters.

E/PR

Outdoor Education Resources - Special, cont.

18. Frant, R.D., and others. "Learning Through Outdoor Adventure Education." Teaching Exceptional Children, 14:4:146-151, 1982. (#22)

Discusses various outdoor education techniques, activities, and goals implemented for moderately and severely handicapped students at Camp Riverwood in Winchendon, Massachusetts. (Camp Riverwood program - originally designed to train individuals for special olympic competition - recently enlarged to include movement and outdoor exploration, focusing on more integrated perspective of individual growth in context of group participation.) Article also describes initiative-problem solving tasks and rope courses, as well as debriefing and activity adaptation strategies for adventure programming.

E/PR

19. Garvey, Joseph. "Touch and See Nature Trail." Science and Children, 6:20-22. October, 1968. (#78)

Describes construction of touch-and-see nature trail in Washington, DC which serves both the visually impaired and the sighted.

PR

20. Godfrey, Robert. Outward Bound Schools of the Possible. Garden City, NY: Anchor Press, 1980. (#9)

Narrative account of author's experience (as former Outward Bound instructor) with group of students at each of the seven U.S. Outward Bound schools. Trip sites include Gila Wilderness Area in New Mexico, the coast of Maine, North Carolina, the Presidential Range of New Hampshire, the North Cascades in Washington State, Colorado, and the Boundary Waters Canoe Area. Through the sharing of his own feelings and those of other participants, the author attempts to capture what the Outward Bound Program is all about - the reality of people and their relationships and experiences in wilderness environments.

Paperback - \$10.95

Hardbound - \$16.95

E/PR/P

Outdoor Education Resources - Special, cont.

21. Golins, Gerald. Utilizing Adventure Education to Rehabilitate Juvenile Delinquents. Denver: Colorado Outward Bound School, 1979. (#21)

Provides thorough analysis of significant developments and practices related to rehabilitating juvenile delinquents through adventure-based education. (Designed for practitioner and curriculum developer.)

\$4.00

E/PR

22. Hedberg, Sally. "Outdoor Education Can Help the Handicapped." Journal of Health, Physical Education, Recreation and Dance, April/May, 1980. (#2)

Relates experiences of thirteen severely disabled high school students while visiting Yosemite National Park. Trip was originated through "The Yosemite Institute" (an independent, non-profit, environmental education organization based in Yosemite National Park) which offers an outdoor education program for disabled students.

E/PR/P

23. Institute on Outdoor Education for the Handicapped. (Battle Creek Outdoor Education Center, Clear Lake, Dowling, MI, June 1969). Arlington, VA: U.S. Resources Information Center, ERIC Document ED 091 140, 1969. (#31)

Explores findings of fifty-five special education and physical education teachers and outdoor education experts who met for week at Battle Creek Public Schools' outdoor education center. Participants shared in camping activities of children from Battle Creek classes for the physically and mentally handicapped, deaf, hard-of-hearing, blind, partially seeing, and trainable children. List of participants includes addresses and bibliographies.

\$2.00

E

Outdoor Education Resources - Special, cont.

24. Jones, Ron. The Acorn People. New York: Bantam, 1977 (#11)

- True story of author's experience as camp counselor for group of physically disabled youngsters.

\$1.94

E/P/PR

25. Kaplan, Susan. "The Minnesota Outward Bound School and the Physically Disabled." The Forum, 7:3:4-6; 16-17, 1981. (#35)

Summarizes Physically Disabled Project in 1975 Minnesota Outward Bound School just outside of Ely, Minnesota. Initially, program prohibited participation of people with physical disabilities because courses were held even then in remote wilderness areas; disabled participants are required to be independently mobile. Enrollment is monitored to insure balance of disabled with broad range of disabilities to able-bodies and men to women. Nineteen is used as minimum age, though ages have varied from eighteen to forty-six.

E/PR/P

26. Lanaghan, David M. Handicapped Children Nature Study Center: A Cooperative Project in Outdoor Education, End of Project Report. Davenport, IA: Muscatine-Scott County School System, 1973. (Also available from ERIC - ED 065 349) (#59)

Discusses Iowa's cooperative science-special education project serving one thousand children in the Muscatine-Scott County School System. Provides information on half-day winter Olympics, a litter collecting contest, and the preparation of bird feeders and nesting materials (by multihandicapped preschoolers); also includes examples of curriculum extension activities, a list of class and outside-group visitation, and an evaluation of program effectiveness.

\$15.20

E/P

Outdoor Education Resources - Special, cont.

27. Larson, R.J., and B.A. Barry. A Teacher's TMR Guide to the Natural Study Areas as the Outdoor Education Center of Laramie County School District #1. Cheyenne, WY: Laramie County School District #1, 1980. (#27)

Mimeographed looseleaf manual designed for teachers of trainable mentally retarded students. (Guide for Laramie County Outdoor Education Center, but general enough for use in almost any area.) Topics: Plant Study, Hiking, Cooking, and Stream Organisms. Also includes general identification activities, with directions left largely to the teacher; first aid information; permission forms; schedules; and clothing lists.

\$3.50

E/PR

28. McGrath, Ray. "Environmental Resource Center: Making the Outdoors Available to the Handicapped." Journal of Health, Physical Education, Recreation and Dance, 44:46-48, 1973. (#2)

Reviews construction plans for Environmental Resource Center to be located on Atlantic Ocean at Lido Beach Town Park. Facility will provide year-round recreational opportunities for physically handicapped, emotionally disturbed, and mentally retarded children and adults as well as non-handicapped participants. Center is planned to handle peak load of 750 handicapped persons at any one time.

E/PR

29. Me and My Environment. Northbrook, IL: Hubbard Scientific Company, 1975-76. (#40)

Five-unit science (especially biology) curriculum series for emotionally and mentally handicapped students aged thirteen to sixteen years. Series intended for use for three or more years as needed. Each unit has different theme, is separately bound, centers around three to five core areas, and contains many detailed student activities and teacher suggestions. Curriculum guide includes optional use of charts, posters, filmstrips, worksheets, games, and the like—all produced by the company and available at an additional cost.

\$2,225.00 - complete set
Individual units ranging from
\$415.00 - \$595.00 each

E

Outdoor Education Resources - Special, cont.

30. Militzer, David. Camping and Outdoor Education Opportunities in New Hampshire for Developmentally Disabled Individuals. Concord: New Hampshire Developmental Disabilities Council, 1982. (#69)
Includes rationale for mainstreaming in camping, overview of potential benefits of camp programs and guidelines for parents' selection of programs. Describes more than twenty-five New Hampshire programs.
Free E/P
31. Munz, Elizabeth. "The Education for All Handicapped Children Act. The Challenge for Girl Scouting." Girl Scout Leader, 55:18-20. September, 1978. (#38)
First discusses the Education for All Handicapped Children Act in relation to Girl Scouting and the involvement of girls with disabilities; and then provides guidelines for leaders serving this population. Includes brief annotated bibliography of resources for raising awareness about disabled individuals.
E/P
32. Orr, Larry. Pulk Skiing, Sled Skiing and Ice Sledding for Persons With Mobility Impairments. Loretto, MN: Vinland National Center, 1981. (#91)
Topics included are cross country skiing, alpine skiing and ice sledding. Manual provides instruction for beginning sled skiers, safety procedures, training programs, winter dress, and information on where to order equipment.
\$5.00 E/PR
33. Parents' Guide to Accredited Camps. Martinsville, IN: American Camping Association, 1982. (#7)
Comprehensive guide for parent - both handicapped and non-handicapped children interested in locating camping programs. Each program described is an ACA accredited camp.
\$5.95 P

Outdoor Education Resources - Special, cont.

34. Parents' Guide to Outdoor Education. U.S. Educational Resources Information Center, ERIC Document ED 075 140, 1968. (#31)
 Information paper for parents of children to be involved in outdoor education. Includes definition of outdoor education, rationale, basic principles, aims and objectives, the role of classroom teachers, and a list of vocabulary pertaining to outdoor education.
 \$2.00 P
35. Pomeroy, Barbara and Kathleen Zaccagnini. "Recreation for Deaf People.: Trends, 15:2:27-28, 1978. (#86)
 Purports to show how park systems can better serve the deaf population. Discusses three major factors which inhibit a community or park agency from adequately understanding and/or serving needs of the deaf and points out main obstacles to such service - communication. Also suggests several modifications and examples.
 PR
36. Redden, Martha Ross, Cheryl Arlene Davis and Janet Welsh Brown. Science for Handicapped Students in Higher Education. Washington, DC: American Association for the Advancement of Science, 1979. (#5)
 Relates the results of the Project on the Handicapped in Science, the major purpose being to identify barriers to handicapped persons entering careers in science, to collect from handicapped scientists information on their coping strategies in overcoming barriers to their education in science, and to plan strategies for removing the barriers that remain. Includes discussions of the types of barriers, their solutions, and recommendations and strategies.
 \$3.00 E

Outdoor Education Resources - Special, cont.

37. Robb, Gary M., and others. Special Education in the Natural Environment: Resource Guide. Bloomington: Indiana University, 1981 (#14)
Provides information on task analysis, description of activities and techniques to be used in activities. Includes annotated bibliography, as well as equipment section which provides program implementors with cost-effective approaches.
\$7.50 E
38. Robb, Gary M., and others. Special Education in the Natural Environment: Training Manual. Bloomington: Indiana University, 1981. (#14)
Offers basic training guidelines for persons providing educational rehabilitation services for disabled children. Five Learning Units: Defining, Introducing, Individualizing, Implementing, and Evaluating. Also included is a bibliography of additional resources, films, and records.
\$7.50 E
39. Robb, Gary M. The Bradford Papers, Vol. 1. Bloomington: Indiana University, 1980. (#14)
Capsulates some of the exciting action-oriented presentations conducted at first annual Institute on Innovations in Camping and Outdoor Education with Persons Who Are Disabled. Institute's purpose: to highlight new and innovative developments in field and provide introductory training opportunities for personnel working in outdoor settings. Reader should be aware that some presentations were not easily translated into written form, but are none the less informative and stimulating, providing impetus for further training and future involvement at the annual Institute.
\$5.00 E/PR

Outdoor Education Resources - Special, cont.

40. Robb, Gary M. The Bradford Papers, Vol. 2. Bloomington: Indiana University, 1982. (#14)

Eleven papers describe use of various outdoor-oriented media for involving persons with disabilities in participatory activities. Present newest techniques, innovative activities, and creative approaches in camping and outdoor education; ideas are adaptable for almost any participant regardless of physical skill, mental capacity, or emotional stability.

\$5.00

E/PR

41. Roland, C.C., and Mark D. Havens. An Introduction to Adventure: A Sequential Approach to Challenging Activities with Persons Who Are Disabled. Loretto, MN: Vinland National Center, 1981. (#91)

Training manual provides users with the information and resources necessary to begin an introductory adventure program. Activity ideas, with adaptations and safety procedures are provided. A comprehensive list of resources on adventure is also included.

\$5.00

E/PR

42. SAVI/SELPH program, 1981. Center for Miltisensory Learning, Lawrence Hall of Science, University of California, Berkeley CA, 1979. (#77)

Science Activities for the Visually Impaired (SAVI), and Science Enrichment for Learners with Physical Handicaps (SELPH), two programs which feature hands-on multisensory science activities appropriate for disabled students and non-disabled peers. The equipment and activity procedures were developed for visually impaired, orthopedically disabled, and learning disabled students but activities have been used enthusiastically by teachers with deaf, emotionally handicapped, developmentally disabled, and multi-handicapped students. There is a total of forty-eight activities grouped into nine modules. Folio format: Overview, Background, Purpose, Materials, Anticipating, Doing the Activity, Follow-up, Going Further, Language Development, and Living Skills Content areas by module.

\$5.00 per module.

E

Outdoor Education Resources - Special, cont.

43. Schemmel, William. "Handicapped Awareness Camporee." Scouting, September, 1981. (#79)

This article discusses a scouting camporee in which the scouts sampled the frustrations which handicapped children encounter. The scouts involved wore blindfolds, depended on wheelchairs for moving, and used crutches while trying to race. By the end of the camporee the scouts left camp with a better understanding of the problems of the handicapped, and a renewed appreciation of their own well-being.

E/PR

44. Scouting For Boys With Handicaps: A Leader's Guide. Ottawa, Ontario: Boy Scouts of Canada, 1976. (#13)

Straightforward, well-written handbook for anyone working with handicapped children. Includes multi-source activities and games especially designed for this population; also contains advice for successful mainstreaming in scouting activities, as well as case histories. Chapter describing handicapping conditions is excellent resource on students' capabilities.

\$4.95

E/P/PR

45. Shea, Thomas, and others. "Outdoor Living and Learning Compliment Each Other." Teaching Exceptional Children, 4:3:108-118, 1972. (#22)

Gives detailed description of phases and concepts of Little Grassy Outdoor Laboratory Experience Program to demonstrate importance of outdoor educational experiences for all exceptional children whether they have learning disabilities, behavior disabilities, or physical handicaps. Program is characterized by environmental-situation reinforcement of classroom presentations.

E/PR

Outdoor Education Resources - Special, cont.

46. Skilar, Norman. "The Final Evaluative Report of the Nassau Boces Program for the Handicapped at Caumsett State Park." New York, 1976-77. (#12)

Provides detailed information on site and program description, original grant proposal, program meetings, naturalist training and function, teacher inservice workshops, teacher-prepared lesson plans, program activities, statistical evaluation, independent evaluations, teacher evaluations and dissemination, and future projections based on Title VI-B funding.

Free

E

47. Slaney, Susan Harris. "Adaptation of a Nature Trail for Use with Visually Handicapped Students," Journal of Visual Impairment and Blindness, 74:354-355, November 1980. (#51)

Trail adapted for use with visually handicapped students at the Plano Outdoor Learning Center by the Plano Independent School District. Included several steps in the adaptation process: (1) a review of the literature on environmental education for the visually handicapped; (2) planning and constructing the learning stations, the tracking air system, and the herb garden; (3) developing and preparing braille, large print, regular print, and taped trail guides; (4) developing a teacher curriculum guide for use with classes that include visually handicapped students; and (5) evaluating the project.

E/PR

48. Stern, Virginia W., and Martha Ross Redden. Within Reach: Out of School Science Opportunities for Youth: A Guide for Students with Disabilities, Their Parents, Teachers and Counselors. Washington, DC: American Association for the Advancement of Science, 1981. (#5)

Provides disabled students, parents and school personnel with an overview of a wide variety of science-oriented activities that can be accomplished outside classroom. Includes examples of (1) more common activities that disabled students can participate in, (2) where to locate programs, (3) how to create new programs, and (4) simple adaptations that maximize independence.

Free

E/P

Outdoor Education Resources - Special, cont.

49. Stone, Edward H. "There's a Wheelchair in the Woods." Journal of Parks and Recreation, 6:12:18-21; 48-49, December 1971. (#50)

Discusses self-guiding trails and other recreation facilities being adapted to visitors who are blind, confined to wheelchairs, or otherwise handicapped; also presents Forest Service discussion on new improvements being made for the handicapped.

PR

50. Swope, Martha. "Nature Study and the Handicapped." Journal of Environmental Education and Interpretation, 2:3-6, 1977. (#47)

This article describes a successful recycling effort made by a class of mildly handicapped children. They prepared recycling boxes, worked on collection and distribution of the materials and organized materials for pick-up. The children earned money for their endeavor and as a group decided to purchase a sugar maple tree for their school. There was a tree planting ceremony held to show other classes their dedication to environmental improvement.

E/PR

51. Thomas, Barry. "Environmental Education for the Blind." Instructor, 86:8:106-107, 1977. (#42)

Contains ideas and suggestions for providing environmental education experiences for the blind and otherwise handicapped. These environmental educational activities were developed through workshops at Tucker Wildlife Sanctuary for the Association of the Junior Blind at their Joan Meir Camp northwest of Los Angeles.

E/PR

52. Thompson, Ben, ed. Science for the Handicapped: An Annotated Bibliography. Columbus: ERIC/SMEAC, ERIC Ohio State University, 1980. (#32)

Provides sources for information on science and outdoor education for the handicapped; includes general references and those dealing with research on visual and hearing impairment as well as other handicapping conditions.

\$3.50

E/PR

Outdoor Education Resources - Special, cont.

53. Try These - We Have! Environmental Education Activities for the Trainable Mentally Retarded. Indianapolis, IN: Marian College, 1974. (#53)

Highly practical set of cards for outdoor-indoor activities developed and field-tested by teachers of the trainable mentally retarded (TMR's) for use with TMR's and the profoundly retarded. Activities include both short-term and ongoing observations requiring the use of ordinary household items. Topics: Air, Animals, Games, Light, Plants, Seasons, Soil, and Water.

\$3.50

E/PR

54. Utah's Handicapped and Special Populations. Salt Lake City: Utah Department of Natural Resources, 1980. (#24)

This document summarizes abstract entitled "Outdoor Recreational Needs of the Handicapped in the State of Utah." It sets forth guidelines for designing barrier-free access to outdoor recreational facilities and attempts to identify outdoor recreational needs of the disabled. Also includes sections on who the special population members are, reasons why such persons do not participate in outdoor recreation, legal considerations, and ways of improving outdoor recreation for the handicapped.

Free

PR

55. Victor, Ken. "Hiking with Troubled Kids." The Forum, 7:3:9-11; 16. Fall, 1981. (#35)

Discusses the state-funded "Homeward Bound Program" of the Massachusetts Division of Youth Services. Author relates experiences as instructor of eight troubled juvenile delinquents who participated in strenuous twenty-five day wilderness adventure program.

E/PR

Outdoor Education Resources—General

A selected listing of books, curriculum guides, articles, journals and other documents are included in this section to provide the reader with general background information pertaining to the field of outdoor/environmental education. Although the resources do not specifically address the disabled student, they do provide the reader with basic information needed to plan, implement and evaluate outdoor education programs for all persons. In addition, the majority of resources listed can easily be adapted for and applied to the participation of disabled students in outdoor programs. All resources listed and price information (approximate) were verified as to their availability by each publisher.

KEY:

(#54) - Publisher name and address information number; see page 106 for listing.

Recommended resources for:

- E - Educators
- P - Parents
- PR - Park and Resource Management Personnel

OUTDOOR EDUCATION RESOURCES - GENERAL

56. Administrator's Environmental Education Evaluation Manual. U.S. Educational Resources Information Center, ERIC Document ED 067 231, 1971. (#31)
Includes instruments for assessing the interests/attitudes/knowledge of administrators, teachers, parents, students, and community members.
\$3.65 E/P/PR
57. Ashbaugh, Byron L. Planning A Nature Study Center. New York: National Audubon Society, 1973. (#60)
Contains overview and outline of specific steps/considerations involved in setting up nature study center, including organizing the community, planning, site and facility selection, personnel considerations, and maintenance.
\$2.50 E/PR
58. Ashbaugh, Byron L., and Raymond Kordish. Trail Planning and Layout. New York: National Audubon Society, 1971. (#60)
Guide for park administrators in establishing trails. Considerations include type of trail desired, design, construction and maintenance, features, guides, and interpretations.
\$3.50 PR/E
59. Bachert, R.E., Jr., ed. Ecosketch: Ideas for Environmental Education. Martinsville, IN: American Camping Association, 1976. (#7)
Written by National Wildlife Federation Wildlife Camp staff of 1975. Good basic resource for all outdoor education programs and excellent springboard for developing variety of ideas. Content, general; list of activity types, thorough-materials suitable for advanced campers and staff.
\$6.00 E

Outdoor Education Resources - General, cont.

60. Basic Steps in Planning Outdoor Education Day-Camping Programs. A Definitive Statement to Assist Teachers Involved in Day-Camping Programs. Jericho, NY: Nassau County Board of Cooperative Services, 1971. (#2)

This guide could serve as starting point for teachers implementing outdoor education programs. Organizational structures are briefly described, as are implementations of the instructional program, orientation, and school policy.

E/PR

61. Bringing the Great Outdoors to Your Classroom. Frankfort, KY: Kentucky Department of Education, 1978. (#26)

Short handbook intended as guide in elementary environmental education. Design and activities appropriate for classroom use; emphasis: establishment of environmental learning center in classroom.

Free

E

62. Brown, Vinson. The Amateur Naturalist's Handbook. New Jersey: Prentice Hall, 1980.. (#72)

A comprehensive introduction to the natural life sciences written specifically for the amateur naturalist, nature study teacher, or any person looking for a thorough but easy to understand handbook of natural history. Full of detailed diagrams and drawings, the book provides good background information on topics ranging from rocks and minerals to plants, animals, weather, climate, and ecosystems. Activities and special projects for exploring and observing the natural environment are included throughout.

\$7.95 - paperback
\$15.95 - hard bound

PR/P/E

Outdoor Education Resources - General, cont.

63. Caldwell, Pamela. "Appreciating Our Built Environment." Trends, 16:1:21-22, 1979. (#86)

Discusses teaching students to appreciate their community's built environment; also provides suggestions as to how the man-made out-of-doors can be integrated into regular school curriculum. Aim: sensitization toward, and preservation of the built environment.

E

64. Cansler, Dorothy, ed. Programs for Parents of Preschoolers. Winston Salem, NC: Kaplan Press, 1978. (#19)

Designed as resource for group meetings with parents of preschool children but could be used by parents alone. Unit format: unit objectives, introductory content, material, discussion questions, program format, ideas, useful media, and suggested readings. Sample topics: Parents and the Child's Self-Image, Movement Education, Nutrition, Cooking, Nature Discovery, Art, Creative Drama, Carpentry, and Music.

\$7.50

P

65. Carlson, Reynold E., and others. Outdoor Education. Englewood Cliffs, NJ: Prentice Hall, 1972. (#72)

Study of the history of outdoor education within American educational system; includes specific proposals.

\$19.95

E

66. Chase, Craig Co. and Irwin Rosenstein. Outdoor Education for Elementary Schools. U.S. Educational Resources Information Center, ERIC Document ED 044-203, 1970. (#31)

How-to guide (grades 1-6). Includes introduction, objectives, and specific activities (thirty-two pages; correlated to art, drama, health education, language arts, math, science, social studies, physical education, and recreation); also lists suggested materials and teacher resources (i.e., books journals, periodicals, and newsletters).

\$3.65

E

Outdoor Education Resources - General, cont.

67. Clausen, Bernard, and David McCalley. Environmental Education Process for Iowa Schools. U.S. Educational Resources Information Center, ERIC Document ED 164 346, 1978. Microfiche only. (#31)

Useful resource as framework for curriculum guide on outdoor education. Includes philosophy and basic principles of environmental education, as well as grade-relevant program goals and exemplary learning activities.

E/PR

68. Conrad, Judi, comp. Directory of Selected State Outdoor Education Programs: State Responses to a 1979 Query Conducted by the Council on Outdoor Education/AAHPERD. U.S. Educational Resources Information Center, ERIC Document ED 187 512, 1980. (#31)

Lists and annotates nearly twelve hundred on-going outdoor education programs, projects, and/or curricula in U.S. elementary and secondary schools. Listings of outdoor education activities organized alphabetically by location within each of sixteen states and include program description, emphasis, and evaluation, as well as grade level; additional listings give names and addresses of approximately three hundred and fifty resident programs in thirty-four states and Washington, DC.

\$8.75

E/P

69. Cornell, Joseph B. Sharing Nature with Children. Nevada City, CA: Ananda Publications, 1979. (#8)

Provides parents and teachers with variety of nature-awareness activities to use with children. Games categories: Close-up with Nature, How Much Can You See?, Nature's Balance, Learning Is Fun, Play and Discovery, Spotting and Attracting Animals, and Adventures. Includes suggestions on being good nature guide.

\$4.95

E/P

Outdoor Education Resources - General, cont.

70. Cummings, Stanley L. "Affirmative Evaluation at the Yosemite Institute." The American Biology Teacher, 38:6:51-53; 364, 1976. (#6)

Describes formative evaluation - more concerned with system's smooth functioning than goal attainment - conducted during Yosemite Institute's fifth year of operation to provide mechanism for on-going drive toward quality and leadership in outdoor and environmental education. Evaluator assumed role of "action agent," deriving from premise that individuals make appropriate decisions when presented with appropriate facts; contiguous is the need to collect information in useable form and disseminate it to those with decision-making authority.

E/PR

71. Definitions: Conservation Education, Environmental Education, Outdoor Education. U.S. Educational Resources Information Center, ERIC Document ED 148 992, 1971. (#31)

Thoroughly defines and compares three terms often used interchangeable and with confusion; identifying characteristics are indicated.

E/PR/P

72. Directory of Nature Centers and Related Environmental Education Facilities. New York: National Audubon Society, 1975. (#60)

Includes five hundred and fifty-eight entries, with forty-one in Canada. Each entry includes name, address, telephone number, and organization responsible for operating and maintaining the facility; primary school-oriented facilities are indicated along with size, kinds of programs available, times, and special features.

\$6.95

E/P/PR

Outdoor Education Resources - General, cont.

73. Disinger, John, comp. Environmental Education Reports - A Directory of Projects and Programs in Environmental Education. 3rd ed. Columbus, OH: ERIC Information Analysis Center for Science, Mathematics and Environmental Education, 1975. (#31)
 Describes environmental education projects and programs throughout the United States and includes ERIC documents appropriate for each. Contains diverse information such as address, director's name, summary and rationale, objectives, history, and future plans; however, not all information is listed for each project or program.
 \$28.40 E/PR
74. Doddridge, Ben. "Inventory Time: Ways to Discover Your Public's Needs.: Journal of Christian Camping, 2:6:12-14, 1979. (#46)
 Discusses method of evaluation that measures the needs of all camp clienteles. Various types of clientele are discussed and steps given for planning a workshop. Also discussed are guidelines for sampling and survey tool design.
 E/PR
75. Donaldson, George W. Planning for Resident Outdoor Education. U.S. Educational Resources Information Center, ERIC Document ED 071 811, 1973. (#31)
 Paper's basic premise: Educational planning of outdoor program must occur before site-facility selection. (Extensive checklists concerning that selection are also included.) Suggests that outdoor education programs are of two basic types: curriculum-oriented and child-centered; the first relating more to specific academic disciplines, the second, to integrating the disciplines and dealing with problem-solving activities.
 \$2.00 PR

Outdoor Education Resources - General, cont.

76. Donaldson, George W., and Malcolm D. Swan. Administration of Eco-Education. Washington, DC: Council on Outdoor Education, 1979. (#2)

Deals with organization and administration of out-of-classroom materials and their use in meeting educational objectives. Identifies problems in this process, as well as directions in which solutions may lie. Sample topics: historical perspective, identity and roles of administrators, benchmarks of good eco-education program, evaluation, law of eco-education, staff development, program interpretation, sites and facilities, use of resources and materials, guidelines for administrative behavior, and program implementation.

\$6.95

E/PR

77. Earth Education - On Behalf of All Its Passengers: An Acclimatization Source Book. Warrenville, IL: Acclimatization Experiences Institute, 1981. (#1)

This catalog provides a complete current listing of materials, books, workshops, programs, and services available to teachers and outdoor leaders who use the Acclimatizing, Acclimatization, and Earth series in their school or outdoor programs.

Free

E/PR

78. Energy Conservation Activities for the Classroom K-12. Frankfort: Kentucky Department of Education and Kentucky Department of Energy, 1980. (reprint) (#52)

Aimed at assisting classroom teachers in encouraging student development of "conservation ethic." Section entitled "Where Does the Energy We Use Come From?" provides technical information on activities. Activity format: Title, Concept Level, Time Required, Materials Needed, and Step-by-Step Procedure. Bibliography included.

Free

E

Outdoor Education Resources - General, cont.

79. Environmental Activities. Green Bay, WI: Project Ice (Instruction-Curriculum-Environment), 1978. (#73)

Supplemental activities using ICE concepts in specific disciplines. Lists behavioral objectives, required equipment, and appropriate suggestions for the teacher.

\$3.75

E

80. Environmental Education Guide Grade 3. Green Bay, WI: Project Ice (Instruction-Curriculum-Environment), 1978. (#72)

One-to-one correlation of mini-lesson plan with twelve major Project ICE concepts; includes identification of school subjects appropriate for integration with concepts. Behavioral objectives listed as "cognitive" or "affective;" learning activities, "in class" or "outside of community." Lists suggested resources and supplemental activities.

\$3.75

E

81. Environmental Education In-Service Training Packet for the Intermediate Level. U.S. Educational Resources Information Center, ERIC Document ED 165 970 (microfiche), 1979. (#31)

Workshop module covers definition; philosophy; objectives; and activities for use in the classroom, at the school site, and in the field. Also includes guide for developing programs and supplemental materials.

E/PR

82. Environmental Education Series. Rockville, MD: Montgomery County Public Schools, 1972. (#56).

Bulletin series compilation of activities deemed suitable for given environmental studies. Activities not intended as complete units but may be used either separately or as supplements to other aids as required. Uniform series format: Instructional objective, Procedures, Materials, and Notes. Sample topics: Streams, Wildlife, Weather, Ponds, Rocks and Soil, Megalopolis, Maps and Compass Study, and Outdoor Art.

\$5.00

E

Outdoor Education Resources - General, cont.

83. Fluegelman, Andrew, ed. The New Games Book. San Francisco: Headlands Press, 1976. (#68)

Collection of "new games" that can be played by two to one hundred participants. Some of the games are old; some are brand new. Many can be played competitively with lots of opportunity for employing skill and strategy; others have no object other than getting people together for enjoying each other. Includes brief history and philosophy of the concept of "new games."

\$6.95

E/PR

84. Ford, Phyllis M. Principles and Practices of Outdoor/Environmental Education. New York: John Wiley & Sons, 1981. (#45)

Presents holistic approach to teaching and learning in the outdoors and is intended as text for those preparing for careers as classroom teachers in recreation or leisure-service programs. Program focuses on teaching about the outdoors - in the outdoors, while encouraging its wise use and perpetuation. Major topics: Introduction to Outdoor/Environmental Education, A History of Outdoor/Environmental Education, Objectives and Issues, A Teaching Progression, Basic Principles of Outdoor Pursuits, Sites for Outdoor Education, Field Trips, Resident Outdoor Schools - Administration, Resident Outdoor Schools - Program Considerations, and Examples of Outdoor Education Programs.

\$21.95

E/PR

85. Frakt, Arthur N. "Adventure Programming and Legal Liability." Journal of Health, Physical Education, Recreation and Dance, 49:4:49-51, 1978. (#2)

Alerts park managers/directors to their responsibilities, namely, to explain potential hazards, strict participation to populations with mental and physical skills required for use, and provide leadership.

PR

Outdoor Education Resources - General, cont.

86. Fraser, K.M., ed. Curriculum Series. Murray, KY: Murray State University, 1978-80. (#58)

Initiated by Center for Environmental Education to provide West Kentucky teachers with material for environmental education. Activities (for a number of subject areas and grade levels) designed to encourage and nurture student awareness of the environment through exploration and interpretation.

Free

E

87. "Going Outside: Preparing for Journeys With Children." Clearing, 23:6-8, 1982. (#20)

A collection of ideas and resources for classroom teachers and other personnel to help them prepare for outdoor activities and field trips with students of all ages and abilities. It discusses the five important preparation phases for successful outdoor experiences, such as knowing your site, creating the journey, preparing yourself, preparing the students and using parents as guides.

E/PR

88. Goodman, Joel, and Clifford E. Knapp. "Beyond Philosophy of Outdoor Environmental Education." Journal of Health, Physical Education, Recreation and Dance, 52:3:23-25, 1981. (#2)

Provides food for thought and a framework enabling professionals to go beyond their philosophy statements. States some goals, principles, and possible program or curriculum foci; also lists some beliefs about working with people in any setting.

E/PR

Outdoor Education Resources - General, cont.

89. Green Spaces in City Places (Caring for City Street Trees). New York, NY: The Environmental Action Coalition, 1980 (#30)

A useful guide and collection of fifteen activities for teaching students in grades 3-6 about trees in the urban environment. The guide includes background information, bibliography, teaching aids and other helpful resources.

\$3.00

E

90. Hammerman, Donald P., and William M. Hammerman. Teaching in the Outdoors. Minneapolis: Burgess, 1973. (#15)

Offers guidelines for adapting classroom presentations, irregardless of subject matter or grade level, for out-of-door teaching. Provides suggestions for activities, teaching techniques, locations for outdoor laboratories, and available outdoor school programs; also recommends teacher training and evaluation procedures.

\$8.95

E/PR

91. Hammerman, Elizabeth, and Donald R. Hammerman. "Developing a Resident Outdoor Education Program." Journal of Health, Physical Education, Recreation and Dance, 53:3:49-50, 1982. (#2)

Presents set of guidelines to help educational leader develop resident outdoor education program by seeing the planning process as sequence of separate but overlapping steps. These steps include: (1) selecting a program coordinator, (2) determining objectives, (3) financial considerations, and (4) staff needs.

E/PR

92. Hammerman, William M., ed. Fifty Years of Resident Outdoor Education: 1930-1980. Martinsville, IN: American Camping Association, 1980. (#7)

Commemorates fiftieth anniversary of resident outdoor education in the United States by tracing its evolution from early beginnings to the present and analyzing its impact on educational philosophy and practice. Two aspects of outdoor education are prominent: First, the need for direct contact with the environment - some learning makes a deeper impact and is retained longer when a concept or object is discovered, observed, sensed, and interpreted in the natural setting. Second, students often return from a resident outdoor education experience with a stronger sense of purpose and a greater respect for one another.

\$15.50

E/PR

Outdoor Education Resources - General, cont.

93. Harmon, Paul. The Measurement of Affective Education. rev. Denver: Colorado Outward Bound School, 1978. (#21)

Describes Outward Bound's system for identifying objectives and measuring affective behavior; includes examples of specific objectives utilized in Outward Bound programs.

\$1.50

E/PR

94. Harmon, Paul, and Gary A. Templin. A Three-Dimensional Model of the Affective Change Process. Denver: Colorado Outward Bound School, 1977. (#21)

Demonstrates change variables (social, developmental, behavioral) and their interactions in experiential-program participants' attitudes and values - useful in guiding examination of existing programs and development of new ones.

\$3.50

E/PR

95. Hoffman, Lou and Lou Ritrovato. Kids, Wildlife and Their Environment: An Elementary Teacher's Guide to Wildlife Activities. Arlington, VA: U.S. Educational Resources Information Center, ERIC Document ED 156 478, 1978. (#31)

Three-section guide: I-Activities (includes concepts, objectives, materials, and required times); II-Supplementary Activities (divided by disciplines, but with great overlap; less detailed, outdoor education curriculum); III-Resource Aids (extensive list of materials suitable for use with outdoor education curriculum).

\$6.95

E

96. Holmes, Sam. "Extending Networks from Park to City." Trends, 16:1:23-24, 1979. (#86)

Discusses how Gateway National Recreation Area serves the public effectively through cooperative efforts with schools, the community and environmental organizations; also presents drawbacks to such a network approach. Though specific to a particular area, the ideas could be modified and used by other parks and recreation areas.

PR

Outdoor Education Resources - General, cont.

97. Holmes, Warren, and Kenneth Black. Environmental Education Center. U.S. Educational Resources Information Center, ERIC Document ED 085 850, 1973. (#31)

This architect's brochure of an environmental education center includes brief justification and objectives for environmental education, as well as a detailed building and land use plan.

\$3.65

E/PR

98. Houston, David R. Understanding the Game of the Environment. Washington, DC: U.S. Department of Agriculture, Forest Service, September, 1975. (#87)

Summary of major ecological principles and concepts views living organisms' interaction with each other and non-living environment as game; use of game terminology places bewildering array of facts and relationships into understandable framework. For example, playing the environment game includes defining playing field or environmental arena (ecosystem), identifying players (ecosystem components), understanding rules of the game (ecological principles, including concepts of energy flow and material cycling), avoiding fouls and penalties (stresses and their effects on ecosystem), (ecological succession or biotic change) as well as of methods for improving the game (playing within rules).

\$9.00

E/P

99. Howell, Jerry F., and Jeanne S. Osborne. A Selected and Annotated Environmental Education Bibliography for Elementary, Secondary and Post-Secondary Schools. Morehead, KY: Morehead State University, 1975. (#57)

Lists available, inexpensive environmental education materials - primarily pamphlets, brochures, teaching aids, and articles but also several books. Citations organized into eighteen categories with broad grade-level designations and include title, cost, publication date, and publisher. Includes limited number of materials for college students and teachers.

Free

E

Outdoor Education Resources - General, cont.

100. Kesselheim, A. Donn. A Rationale for Outdoor Activity as Experiential Education: The Reason for Freezin. U.S. Educational Resources Information Center, ERIC Document ED 148 530, 1976. (#31)

Outlines goals important in outdoor learning experiences: Enhancement of Self-Concept, Aesthetic Appreciation, Environmental Awareness, Leadership/Fellowship, and Internalization.

\$2.00

E/PR

101. Kielsmeier, Jim. Team Reconnaissance: A Process for Involving Teachers in the Preplanning of Experiential Education. U.S. Educational Resources Information Center, ERIC Document ED 141 021, 1975. (#31)

Offers innovative alternative process for preplanning and facilitating outdoor education projects for school groups. Recommends reconnaissance team of teachers and students for accomplishing preparational tasks and includes description of reconnaissance approach conducted by Outward Bound in Denver, Colorado; also provides preparation responsibilities list, tentative resource guide outline, and project center program planning sheet.

\$2.00

E

102. Knapp, Clifford E. and Joel Goodman. Humanizing Environmental Education: A Guide for Leading Nature and Human Nature Activities. Martinsville, IN: American Camping Association, 1981. (#7)

Approaches environmental learning and methodology for teaching it through the use of personal emotions and attitudes. (Rationale: emotions and attitudes influence the way we view nature; thus, the good environmental educator nurtures sense of well-being in children.) Discusses how to teach and encourage interpersonal rapport, open mindedness and curiosity; a sense of values (personal, social and environmental); feelings of self-worth and confidence, and a community spirit among children and adults alike.

\$15.95

E

Outdoor Education Resources - General, cont.

103. Larson, R.J., compiler. Elementary Environmental Activities. Cheyenne, WY: Laramie County School District No. 1, 1975. (#27)

Booklet contains activities developed by teachers in Laramie, Wyoming, School District No. 1. Some activities are regionalized, and only little over one third can be engaged in out-of-doors; many, however, contain many excellent ideas adaptable to accommodate handicapped students.

\$8.50

E

104. Luenberger, Jan W. "What You Should Know About Preventing Legal Liability." Camping Magazine, 54:4:38-43, 1982. (#17)

The information reported in this article is designed to increase knowledge and awareness of legal ramifications of the actions or non-actions of camp directors, educators and other related personnel. It also provides suggestions on how to upgrade camping policies and procedures with special emphasis placed on the importance of "legal health" in any outdoor related programs.

PR

105. Link, Michael. Outdoor Education. Oregon: Galloway Publications, 1981. (#37)

Provides methods for teaching in nature's classroom with techniques, projects, and ideas to make the outdoor world meaningful to people of all ages.

\$15.95

E/PR/P

106. Lishner, Mark. "Outdoor Education." Camping Magazine, 10:12-14:50, 1981. (#17)

Describes how camps can establish year-round use of staff and facilities by working with schools to develop outdoor education programs during the winter months. Discusses why some schools may not be receptive to this idea and how to go about approaching them.

E

Outdoor Education Resources - General, cont.

107. Locate, Plan, Develop, Use an Outdoor Classroom. U.S. Educational Resources Information Center, ERIC Document ED 129 531, 1975. (#31)

Can serve as guide in involving school personnel; students, and the community in establishing outdoor classroom. Sample topics: Learning by Discovery, Educational Objectives, Elementary-Secondary Education, Facilities, Language Arts, Mathematics, Natural Resources, Needs Assessment, Resource Guides, and Sciences.

\$3.65

E/P/PR

108. Machlis, Gary, and Maureen McDonough. Children's Interpretation: A Discovery Book for Interpreters. Washington, DC: U.S. Government Printing Office, Spring, 1978. (#87)

Shares information about children through eyes of interpreter. First part discusses conceptual approach for better understanding of children and their behavior (describes in detail not only varied aspects of physical, cognitive, and social developmental processes in children, but also their pertinence to interpretation); second part demonstrates how sound understanding of children can be applied to development of all types of interpretive experiences.

\$1.75

E/P

109. Matthews, Bruce, and others. A Guide for Conducting Outdoor Field Experiences. U.S. Educational Resources Information Center, ERIC Document ED 160 285, 1978. (#31)

Workshop module for teachers planning to incorporate outdoor field experiences into curriculum. Includes background; philosophical rationale; strand, discovery, and sensory approaches, as well as exemplary activities for each; planning guides; and trips. Aim: development of self-confidence in teaching on-site outdoor education.

\$3.65

E

Outdoor Education Resources - General, cont.

110. McKean, Bob, and others. Toward Defining Measureable Objectives in the Affective Domain. Denver: Colorado Outward Bound School, 1975. (#21)

Explores measurement of personal growth through experiential programs such as Outward Bound. First section presents rationale and definition of affective objectives; second section outlines six different programs utilizing the model.

\$1.50

E

111. Mielke, Sandra Lee. An Evaluative Study of Supplementary Free and Inexpensive Materials Available for Use by Middle Grade Classrooms Involved in Outdoor Education. U.S. Educational Resources Information Center, ERIC Document ED 110 234, 1975. (#31)

Bulk of this publication is evaluative review of twenty-six printed materials. Author suggests general sources for locating materials applicable to outdoor education (e.g., journals and education publications) and general suggestions for screening.

\$3.65

E/PR

112. Morris, Sharee. Directory of Environmental Education Resources. Washington, DC: Center for Environmental Education, 1980. (#18)

Guide to organizations involved in one way or another with environmental education. It is divided into three sections: Information At A Glance lists two hundred and seventy-nine information sources alphabetically and by name only. Bullets following names indicate help available in any of eleven different areas from audiovisual to workshops. Subject Guide groups the two hundred and seventy-nine information sources under twenty different environmental interest categories. Directory provides detailed information about each source: name, address, contact person, chief interests, kinds of help available, and the names of publications and films. The directory concludes with listing of "Additional Sources of Information" and "Bibliography of Career Information."

\$3.95

E/P

Outdoor Education Resources - General, cont.

113. National Wildlife Federation, Conservation Directory - 1982.
Washington, DC: National Wildlife Federation, 1982. (#66)
A complete and comprehensive annotated directory listing public and private organizations, agencies and officials concerned with natural resource use and management.
\$6.00 PR/E
114. OBIS (Outdoor Biology Instructional Strategies). Nashua, NH: Delta Education, 1975. (#70)
A program offering fun and challenging opportunities to investigate ecological relationships in their environment. The format, simple preparation and short duration (usually one hour per activity), allows a classroom teacher with little science background to use the program.
\$5.90 - \$12.50 E
115. Outdoor Education in the Battle Creek Public Schools. U.S. Educational Resources Information Center, ERIC Document ED 122 993, 1975. (#31)
Describes history and organization of Battle Creek Public Schools Outdoor Education Program for elementary students. Program primarily consists of three parts: a weekly camping experience for fifth and sixth graders, a farm/garden program for third and fourth graders, and a barnyard/animal babies program for first graders. An overview stresses educating children "in" and "for" the out-of-doors.
\$2.00 E/PR
116. Outdoor Education Series. Rockville, MD: Montgomery County Public Schools, 1979. (#56)
Curricular materials to assist teachers in moving teaching/learning experience beyond classroom walls. Activities correlate with science, social studies, and mathematics. Activity format: Performance Objectives, Procedures, Materials, and Evaluation.
\$5.00 E

Outdoor Education Resources - General, cont.

117. Park, David. Legislation Affecting Park Services and Recreation for Handicapped Individuals. Washington, DC: Hawkins and Associates, 1980. (#39)

Provides comprehensive review of legislation impacting on recreation and park service for handicapped individuals as basic component of an inservice training program. Laws discussed: Architectural Barriers Act of 1968; Nationwide Outdoor Recreation Plan, 1963; Rehabilitation Acts of 1973 and 1978; Developmental Disabilities and Facilities Construction Act of 1971; Education for All Handicapped Children Act of 1975; and Section 504.

\$5.95

PR

118. Partridge, Ernest. "Nature and the Personality." Journal of Outdoor Education, 15:1:2-6, 1980. (#49)

Describes artificiality of present-day society and argues for outdoor education as a way of combatting this; also stresses the importance of encountering nature face-to-face and instilling in students a love and enjoyment of the out-of-doors.

E/P/PR

119. Peters, Richard. How to Take the Classroom Out into the Environment: A Resources Guide. U.S. Educational Resources Information Center, ERIC Document ED 125 856, 1975. (#31)

Six-part guide. First two sections deal with increasing student awareness of the outdoors and relating classroom to environment; remaining four sections present extensive list of resources for use with outdoor education programs.

\$3.65

E

Outdoor Education Resources - General, cont.

- 120.. Peters, Tamra. "Teaching the Land Ethic." Trends, 16:1:25-27. 1979. (#86)

Discusses Student Stewardship Program, which attempts to bridge gap between community's present perception of parks and its awareness that man is dependent on and part of all natural systems. Program enlists students, teachers, and local community residents as allies in stewardship and protection of land and uses natural park or area as outdoor classroom where responsible high school and college students collect data to monitor impact on land use, as well as to record changes. Activity selection permits program's additional use by park and nature center personnel.

E/PR

121. Peterson, Carol Ann. "The Right to Risk." Journal of Health, Physical Education, Recreation and Dance, 49:47-48, 1978. (#2)

Provides rationale for including handicapped in risk activities. Analyzes various aspects of risk recreation and discusses barriers to involvement of the handicapped; includes real life situations.

E/PR

122. Project Learning Tree, Supplementary Activity Guides. Washington, DC: Western Region Environmental Education Council and American Forest Institute, 1977. (#74)

Intended to assist elementary and secondary teachers in promoting students' (1) understanding of their interdependence with total forest community and (2) development of knowledge, skills, and commitment needed to ensure long benefit from resource lands. Activities - with extensions and variations - are supplemental, outlined in narrative form, and based on seven key principles: Environmental Awareness, Diversity of Forest Roles, Cultural Contexts, Societal Perspectives on Issues, Management and Interdependence of Natural Resources, Life Support Systems, and Lifestyles. Curricular areas, grade levels, principle(s), concepts, and skills are listed for each activity.

Available only to persons attending Project Learning Tree Workshop. Contact local PLT representative for further information.

E

Outdoor Education Resources - General, cont.

123. Rosenstein, Irwin, and George W. Donaldson. Outdoor Education: A Guide for Planning Resident Programs. U.S. Educational Resources Information Center, ERIC Document ED 151 123, 1977. (#31)

Intended for use with school personnel to aid in planning and conducting resident programs: Presents basic policies and procedures essential to the success of resident outdoor education experiences. Topics: Methods for Planning and Financing Program, Selection of Site and Facilities, Personnel, Role of the Classroom Teacher, Resources and Materials, Suggested Activities, and Evaluation.

\$6.95

E/PR

124. Scott, D. Lloyd, and Michael A. Magnoli. A Guide to Campus Improvement and Beautification. Mobile, AL: Mobile County Public Schools, 1975. (#25)

Designed to assist school personnel with projects aimed at creating and maintaining attractive, functional school environment - structured to allow maximum flexibility in its application. Suggests specific activities for incorporation into program; also identifies resources for carrying out activities.

Free

E/PR

125. Shoman, Joseph H. A Nature Center for Your Community. New York: National Audubon Society, 1969. (#60)

This non-technical text describes the need for community nature centers, what they are and do, the elements involved. Suggests simple plan for a nature center and answers many questions on how to start a community nature center.

\$2.50

PR/E

126. Shoman, Joseph J. Manual of Outdoor Conservation Education. New York: National Audubon Society, 1964. (#60)

Presents perspective, philosophy, and objectives of outdoor education relevant to conservation; also offers suggestions for teaching, programming, and administration.

\$3.00

E/PR

Outdoor Education Resources - General, cont.

127. Shoman, Joseph J., ed. Manual of Outdoor Interpretation. New York: National Audubon Society, 1968. (#60)

Covers entire field of modern outdoor interpretation, ranging from the philosophy of, and need for, outdoor interpretation and education to how and to what extent interpretive programs should be carried out on sensitive natural areas. (Fourteen different authors cover the various aspects.)

\$4.00

E/PR

128. Simpson, Benjy, ed. Initiative Games. Denver: Outward Bound School, 1974. (#21)

Relatively regionalized handbook/workbook with well conceived, well organized program suitable as model for developing similar programs and materials. Sample topics: Water Safety and First Aid, Orienteering, and Water Communities. Activity plans - adaptable for the handicapped cover the study of soil, plants, water, air, and land use.

Free

E/PR

129. Smith, Mary Lee, and others. Final Report: Project to Design an Evaluation of Outward Bound. Denver: Colorado Outward Bound School, 1973. (#21)

Describes design of instrument used to determine effects of Outward Bound course on students' self-esteem, self-awareness, self-assertion, and acceptance of others; also documents testing process for this evaluation and reviews other evaluations.

\$1.50

E

Outdoor Education Resources - General, cont.

130. Staley, Frederick S. The Research, Evaluation and Measurement Dragons in Outdoor Education. U.S. Educational Resources Information Center, ERIC Document ED 176 937, 1979. (#31)

Presents research evaluation model for outdoor education and includes bibliography of representative research in outdoor, experimental education. Model stresses close interaction between program designers and evaluators and rests on premise that the strength of outdoor education, the interaction between people, activities, and the outdoors is best measured using sociological, holistic, alternative evaluation methodologies, bibliography organized under various topic headings and lists seventy-seven available measurement instruments. Conclusions and recommendations focus on need to develop alternative research programs appropriate for outdoor education.

\$3.65

E/PR

131. Stapp, William B., and Dorothy A. Cox. Environmental Education Activities Manual. Ann Arbor: University of Michigan, 1981. (#89)

Produced in response to student/teacher demand for material to support environmental education model described; activities were developed largely in writing workshops by teachers familiar with this model. Most activities are original creations designed to assist the learner in acquiring specific knowledge, skills, or learning processes used in the classroom and modified according to student/teacher responses.

\$13.00

E

132. Stearnes, Thomas S. "Evaluation of 'Operation Upstream'." Research and Development Report, 2:1:1-19, 1968. (This document is also available from ERIC ED 055 790.) (#31)

Describes program objectives, rationale, and evaluation of elective, survival oriented, personal development summer program administered by Atlanta Public Schools. Evaluation was of quasi-experimental pre-test/post-test design and involved thirty-four students who were given the California Test of Personality and Operation Upstream Questionnaire, with results indicating eight areas showing improvement in personality characteristics. Operation Upstream Questionnaire responses also into that most task objectives of the program had been achieved.

E

Outdoor Education Resources - General, cont.

133. Summer Environmental Education Program Handbook. Tallahassee: Florida Department of Agriculture and Consumer Services, Division of Forestry, 1980. (#34)

Primarily a collection of challenging initiative group games (fifty-three selected, clearly defined mental and/or physical tasks). Includes rationales, uses, and methods of presentation.

Free

E/P/PR

134. Swan, Malcolm, and others, comps. Research in Outdoor Education: Summaries of Doctoral Studies. Washington, DC: American Alliance for Health, Physical Education, Recreation and Dance, 1978. (#2)

Contains abstracts of one hundred and twenty-one dissertations, most of which were completed after 1972. These studies fall within five major categories: Proposals for New Program Developments, Organization and Administration, Historical Analysis, Teacher Education, and Evaluation. Each abstract consists of a brief statement of the problem, procedure followed, and a resume of results and conclusions.

\$6.00

E

135. Swan, Malcolm D., ed. Tips and Tricks in Outdoor Education. Danville, IL: Interstate Printers and Publishers, second edition, 1978. (#43)

Compilation of ideas, suggestions, plans and guides. Helpful to those interested in providing children with educational experiences outside of the classroom. Includes sections on Conducting Field Experiences, Animal Studies, Awareness and Creative Expression, Community Resources, Ecological Studies, Geology and Soil, Crafts, Outdoor Recreation, Weather and more.

\$2.95

E/PR

136. Teacher's Guide to Energy Resources in Kentucky. Murray, KY: Murray State University, 1979. (#58)

Regional (East, West, North, South) listing of resources available in Kentucky. Each entry includes the address, telephone number, and contact person; area serviced; subject notation; and a brief description of services provided.

Free

E

Outdoor Education Resources - General, cont.

137. The Pioneer Student Textbook. Loudonville, OH: Mohican School in the Out-of-Doors, 1978-79. (#55)

Developed for teachers of the Mohican School in the Out-of-Doors, a one-week residential outdoor education school. Regionalized areas. Major topics: Appreciation of the Past, Creative Expression, Conservation and Ecological Exploration, and Weather Study.

\$7.00

E

138. U.S. Department of Agriculture, U.S. Forest Service. Investigating Your Environment Series. Washington, DC: U.S. Government Printing Office, 1978. (#87)

This series of booklets provides challenging and rewarding activities for teachers with considerable interest in adopting quality material for use with handicapped students (except mentally impaired). Titles: "Investigating the Human Community," "Soil Investigations," "Some Water Investigations," "A Land Use Simulation," and others similar in nature. Some projects could be long-term, others adapted as short-term activities; concern is shown in planning for effective group processes.

\$8.00

E

139. U.S. Department of the Interior and the National Park Service. National Environmental Study Area: A Guide. Washington, DC: U.S. Government Printing Office, 1972. (#87)

Deals with NESA's (National Environmental Study Areas) that lend themselves to study of the processes and dynamics of man's environment: offers assistance to teachers and resource managers who want to establish and maintain in a National Environmental Study Area; outlines characteristics and procedures of such a program and briefly discusses nature, philosophy, and purpose of environmental education, as well as techniques and methodology. Concludes with bibliography of useful publications and films.

\$1.75

E/PR

Outdoor Education Resources - General, cont.

140. U.S. Department of the Interior, U.S. Fish and Wildlife Service. We Can Help! Environmental Education Program Guides. Minneapolis: Jenny Publishing Company, Inc., 1975. (#44)

Four-guide packet, (1) Notes on Coordinating a Community Program In Environmental Education - handbook of notes organized from experience gained in creating and coordinating community-based environmental education program for U.S. Fish and Wildlife Service; (2) Environmental Education Methods for Teachers - provides design for setting up college course for teachers to allow them to develop and practice the environmental education (skills); (3) Face to Face - booklet presents short, pointed interviews from educators and land managers active in environmental programs; and (4) Educational Use of Public Lands - suggests course content to prepare resource management for duo role of host to teachers and students and expediter of environmental education.

\$5.00/set of 4

E/PR

141. Van der Smissen, Betty. Legal Liability - Adventure Activities. Educational Resources Information Center, Washington, DC: 1980. (#62)

Presents practical pointers for individuals interested in conducting adventure activities, but who fear for the liability implications. Liability is discussed in terms of the agency, the administrator/supervisor, the leader/instructor, and the volunteer/student trainer.

E/PR

142. Van der Smissen, Betty. "Minimizing Legal Liability Risks." Journal of Experiential Education, 2:1:35-41, 1979. (#48)

Establishes beginning point for better understanding of legal liabilities involved in providing risk sports and adventure activities. Discusses basic principles for minimizing likelihood of lawsuits - applicable to public/private schools, private non-profit organizations, commercial enterprises, and public agencies; also provides guidelines for supervision, conduct of activity, and environmental conditions, as well as commentary on participants' responsibilities and statement on differences in risk perception.

E/PR

Outdoor Education Resources - General, cont.

143. Van der Smissen, Betty, and Oswald Goering. A Leader's Guide to Nature Oriented Activities. Iowa: The State University of Iowa Press, 1974. (#83)

Describes many purposeful activities out-of-doors. A wide variety of approaches in getting acquainted and working with the natural world are suggested. The book is an outgrowth of the extensive experiences of the authors as leaders of youth and adults, as teachers and as observers of nature programs in many communities.

\$8.50

E/PR

144. Vandervoort, Fancis S. "City Parks: More Than Meets the Eye." American Biology Teacher, 39:8:473-75, 1977. (#6)

Recommends use of city parks (near schools) for environmental studies and lists activities appropriate for several grade levels.

E/P

145. Van Matre, Steve. Acclimatization. A Sensory and Conceptual Approach to Ecological Involvement. Martinsville, IN: American Camping Association, 1972. (#7)

Describing six special sessions of environmental learning in a camp setting, this book illustrates importance of preparation for discovery learning and gives clear, concrete how-to information. All sensory experiences included are ideal for adaptation for the handicapped. Talk about the environment is minimized - activities allow for maximum involvement which leads to inferencing and formation of personal values.

\$6.50

E/P/PR

Outdoor Education Resources - General, cont.

146. Van Matre, Steve. Acclimatizing. A Personal and Reflective Approach to a Natural Relationship. Martinsville, IN: American Camping Association, 1974. (#7)

Acclimatizing is the second book in Van Matre's acclimatization series and begins with personal statement reflecting Gestalt approach to outdoor and environmental education. Many activities are adaptable for the handicapped - learning through all senses is encouraged at every level. Activities are described for an environmental study on an island, on a mountain trail, on a quiet walk through the woods, and in a "Walden Solo" expedition. The spirit of these descriptions inspires the reader to further creative planning.

\$7.50

E/P/PR

147. Van Matre, Steve. Sunship Earth. An Acclimatization Program for Outdoor Learning. Martinsville, IN: American Camping Association, 1979. (#7)

Describes innovative program for all children at five-day environmental education camp. Descriptions are thorough and reading is enlivened by participants' quotes. Plenty of how-to information with thoroughly developed rationales - many activities adaptable for handicapped.

\$9.95

E/P/PR

148. Watson, Kathryn, J. The Going Places Classroom: A Community Involvement Program of Action Learning for Elementary Students. U.S. Educational Resources Information Center, ERIC Document ED 153 725, 1977. (#76)

Project description. Nine and ten year old students participated in on-site community-centered learning activities requiring classroom taught skills. Goals: student development of positive self-perception, establishment as lifelong learner, acceptance of responsibility for behavior and learning, development of group-living skills, adaptation to change, and discovery of life's meaning.

\$5.30

E

Outdoor Education Resources - General, cont.

149. Wildlife Habitat Improvement. New York: National Audubon Society, 1974. (#60)
Presents guidelines for improving land use for wildlife. Includes elementary principles of wildlife management, as well as considerations for homesites and special areas with separate sections for birds and mammals.
\$3.00 PR/E
150. Wilson, Sally. "Camp + Classes = Natural Education." EDNEWS, 20:2:6-7, 1979. (#28)
Discusses how two Kentucky elementary schools utilize the out-of-doors and camping experience. Recounts some activities and offers suggestions to other schools planning such a venture.
E
151. Wishart, Paul A., and Ronald Childress, comps. A Directory of Public Elementary and Secondary School Environmental Education Programs and Projects in the United States. U.S. Educational Information Center, ERIC Document ED 118 362, 1975. (#31)
Programs listed by state, including director's name and the address. Also included is list of state coordinators for environmental education.
\$5.30 E/PR
152. Zjawin, Dorothy. "Outdoor Math." Instructor, 88:2:92-94, 1978. (#42)
Suggests that students can gain insight into school subjects through the outdoors - gives examples of how a walk in the park can lead to discoveries/interests in math.
E/P

Funding Resources

The resources listed in this section are designed to assist persons in locating and obtaining funding for outdoor education programs. Covering a variety of topics, from the art of grantsmanship to successful fund raising tips and techniques, these resources provide the reader with the basic skills and knowledge necessary for seeking financial support from a variety of sources. All resources listed and price information (approximate) were verified as to their availability by each publisher.

KEY:

(#54) - Publisher name and address information number; see page 106 for listing.

Recommended resources for:

- E - Educators
- P - Parents
- PR - Park and Resource Management Personnel

OUTDOOR EDUCATION FUNDING RESOURCES

183. Hawkins, Donald E., and Peter J. Verhoven. Obtaining Funds for Therapeutic Recreation and the Creative Arts Therapies. Washington, DC: Hawkins and Associates, 1981. (#39)
 This workbook is designed for individuals involved in planning and directing programs of recreation or creative arts for special populations such as the handicapped and the elderly. The book specifically focuses on the steps for identifying, developing and procuring financial assistance to supplement or compliment existing programs for handicapped individuals.
 \$15.95 E/PR/P
184. Hopkins, Bruce R. Charitable Giving - 1981 Supplement. Oregon: Galloway Publications, 1982. (#37)
 Discusses how the 1981 Tax Act impacts on non-profit organizations, often adversely.
 \$18.95 E/PR
185. Kurzig, Carol M. Foundation Fundamentals; A Guide for Grant-seekers. New York: The Foundation Center, 1980. (#36)
 This book is designed to help both the novice and the expert grantseekers become more familiar with the world of foundations. In section one, "What You Should Know About Foundations Before You Ask for Money," describes the various types of foundations, the grants they make and relationship of foundation funds to the total grant funds available to non-profit organizations. In section two, "How to Find the Facts You Need to Get a Grant," a step-by-step explanation is provided of the research process and reference tools grantseekers can use to locate the foundation most likely to be interested in funding their proposals.
 \$6.50 E/PR/P
186. Liebert, E.R., and Bernie Sheldon. Handbook of Special Events for Non-Profit Organizations. Oregon: Galloway Publications, 1972. (#37)
 Ideas for fund-raising project and public relations improvement methods.
 \$12.95 PR/E/P

Outdoor Education Funding Resources, cont.

187. Schneider, Paul H. The Art of Asking. Oregon: Galloway Publications, 1978. (#37)

Excellent handbook which presents successful fund raising techniques by an author who has won over twenty national awards for his fund raising presentations.

\$10.35

PR/E/P

188. Trachtenberg, Leo. Successful Fund Raising. Oregon: Galloway Publications, 1980. (#37)

Provides ideas based largely on successful experiences with churches, colleges, hospitals and para-church groups. Offers a unique collection of plans, forms, lists, awards and other items used with actual fund-raising campaigns.

\$34.95

PR/E/P

189. White, Virginia. Grants. Oregon: Galloway Publications, 1975. (#37)

Discusses how to locate grants and how to obtain them. Provides an in depth treatment of this important fund-raising area.

\$19.50

E/PR/P

Accessibility Resources

This section lists a variety of resources which provide specific information for designing barrier-free environments. The resources listed also include technical information on architectural design standards and specifications for the full spectrum of disabling conditions as well as resources for making outdoor sites and public areas more accessible and usable by all persons. All resources listed are current and have been verified as to their availability by each publisher.

KEY:

(#54) - Publisher name and address information number; see page 106 for listing.

Recommended resources for:

- E - Educators
- P - Parents
- PR - Park and Resource Management Personnel

OUTDOOR EDUCATION ACCESSIBILITY RESOURCES

153. About Barriers. Washington, DC: Architectural and Transportation Barriers Compliance Board, 1982. (#10)

This booklet tells what barriers are and who they affect. Issues deal with: Cost of Barriers and Accessibility; Funds Available to Remove Barriers; What is Presently Being Done in the Area of Standards and Barriers; Legal Compliance; and the Relationship of Barriers to Education, Jobs, Transportation, and Housing. Includes lists of resource organizations, as well as a list of suggestions for individuals wanting to work against barriers.

E/P/PR

154. American National Standard Specification for Making Buildings and Facilities Accessible to and Useable by Physically Handicapped People. (ANSI A 117. 1-80). New York: ANSI, 1980. (#4)

Design manual with technical information on architectural accessibility. Aids designers in locating such features as curb cuts, parking spaces, toilets, and telephones but is not a policy-making manual; e.g., readers are not told how many parking spaces to provide. Throughout, drawings illustrate recommended minimum dimensions for accessibility described in text; substantial appendix clarifies technical information.

E/PR

155. Beechel, Jacques. Interpretation for Handicapped Persons: A Handbook for Outdoor Recreation Personnel. Seattle, WA: National Park Service Pacific Northwest Region, 1975. (#63)

Useful to parents, teachers, or management personnel who work with handicapped persons. (Specifically the blind, deaf, deaf-blind, mentally impaired, and those with ambulatory limitations.) Facts about each disability are clearly stated and "helpful hints" are directed to those who interact with handicapped individuals. One part addresses outdoor accommodations for the handicapped and offers suggestions from handicapped persons who have tried various facilities. Includes thorough bibliography and directory of U.S. trails specified as accessible with various handicapping conditions.

E/PR/P

Outdoor Education Accessibility Resources, cont.

156. Handicapped Individual's Guide to Illinois Recreation Areas
Springfield: State of Illinois, Department of Conservation,
1978. (#23)

This one-page folded brochure lists public Illinois recreation areas with facilities for the handicapped; provides telephone numbers for all areas.

E/P

157. Hawkes, Diantha L. "Legislation, Impact, Response: Access in Parks." Recreation Resource Management Bulletin, 1:3; 15-17, 1981. (#81)

This article reviews the federal legislation surrounding accessibility and the need for barrier-free environments; its direct impact on the National Park Service and how they have responded to better meet the needs of the disabled community.

PR

158. Kliment, Stephen A. Into the Mainstream: A Syllabus for a Barrier-Free Environment. New York: American Institute of Architects, 1975. (#65)

Includes background and history of accessibility designs, description of typical barrier problems, solutions, and how to use them, and other resources.

E/PR

159. Krause, Debbie. Designing Barrier-Free Areas. Ithaca, NY: Cornell University, 1980. (#41)

Provides understandable guidelines for designing gardens and nature areas for the blind and physically handicapped. Sample topics: Site Accessibility, Walkways, Rest Areas, Communication, Stimulating the Senses, and Selecting Plant Materials. Also provides brief list of suggested references with ordering information.

E/PR/P

Outdoor Education Accessibility Resources, cont.

160. Mainstreaming Handicapped Individuals: Parks and Recreation Design Standards Manual. Springfield: State of Illinois, Department of Conservation, 1978. (#23)

Intended to guide Illinois Department of Conservation in designing and constructing accessible buildings and park facilities for handicapped persons, but is applicable in other states. Includes guidelines for the following: historic sites, identification signs, parking lots, trails, picnic areas, furnishings, campsites, boating, fishing, play and game areas, swimming areas, amphitheaters and viewing areas, lodge/cabins, public telephones, restrooms, convenience facilities, walks, curbs, ramps, control devices, floors, corridors, handrails and steps, and elevators.

PR

161. Moore, Gary T., and others. Designing Environments for the Handicapped. A Design Guide and Case Study. New York: Educational Facilities Laboratory, 1979. (#29)

Describes wide range of children's developmental disabilities and the physical environment's role in alleviating them; also provides background and design steps for developing kinds of indoor/outdoor environments all handicapped children need. Includes research-based design guidelines organized around fourteen major principles and corresponding user requirements: Enables readers to evaluate and solve their own facility problems and indicates areas of needed research. Last section details application of design guidelines to design case study of outdoor play/learning environment for St. Francis Children Center, Milwaukee, Wisconsin. (Photographs and drawings throughout book.)

E/PR

Outdoor Education Accessibility Resources, cont.

162. Peterson, Carol A., Project Director. Outdoor Recreation for the Mentally Ill, Mentally Retarded, Physically Disabled, and the Aging in Illinois: A Five-Year Plan. Champaign: University of Illinois, 1977. (#71)

This report presents comprehensive analysis of current problems in outdoor recreation for special populations. Model action plan aims at creating outdoor recreation programs and facilities useable by all; model includes staff training program development, and evaluation. Major areas of report: Introduction and Overview, Special Populations Description, Current Status of Outdoor Recreation for Special Populations, Recommended Goals and Policy Guidelines, and the Recommended Action Plan.

E/PR

163. Singh, Silas P. "Facility and Program Accessibility (IL)." Trends, 16:3:29-31. Summer, 1979. (#89)

Reviews new plans of Illinois Department of Conservation for extensive renovation of its facilities and mainstreaming of all visitors into its program. Discusses accessibility plans in terms of providing such facilities for the handicapped and able-bodied alike.

PR

164. West, Patrick C. "Social Barriers to Participation by the Mentally and Physically Handicapped in Urban Forest Recreation." University of Michigan, 1981. (#89)

Examines, in light of extensive literature review, physical and social barriers to the physically and mentally handicapped's participation in urban forest recreation. Findings: Physical barrier removal is necessary but inadequate for significantly increasing the handicapped's utilization of urban forest recreation resources; social barriers (i.e., community stigma) must also be removed. Conclusion: Joint physical/social planning actions are necessary.

Free

E/PR

Outdoor Education Accessibility Resources, cont.

165. The Architectural and Transportation Barriers Compliance Board (ATBCB) offers a number of free publications either singly or in bulk. For a list of these, write or call the ATBCB's Public Information Office, 330 C Street, S.W., Washington, DC 20202 (202/245-1591 voice or TDD). The ATBCB's 14-minute, color, captioned film, Access America, is available from the National Audiovisual Center, General Services Administration, Washington, DC 20409 (202/763-1891).
166. American Coalition of Citizens with Disabilities, 1200 15th Street, N.W., Suite 201, Washington, DC 20005 (202/785-4265). For information on grassroots organizing.
167. Community Access Network, Mobility Barriers and Communications, Section 126, Room 214, Department of Rehabilitation, 830 K Street Mall, Sacramento, California 97814 (916/445-4368). For information about volunteer citizens action programs.
168. National Easter Seal Society for Crippled Children and Adults, 2023 West Ogden Avenue, Chicago, Illinois 60612, (312/243-8400). For general information on all kinds of handicaps and services.
169. Office for the Coordination of Services to the Handicapped, Prince George's County Administration Building, Room 1126, Upper Marlboro, Maryland 20870 (301/952-3210). For information about the county's barrier-free building code.
170. Office of Information and Resources for the Handicapped, Office for External Affairs, Special Education and Rehabilitative Services, Department of Education, Washington, DC 20202 (202/245-0080). For general information.
171. President's Committee on Employment of the Handicapped, Washington, DC 20036 (202/653-5010). For details on employment of handicapped persons, tax breaks to businesses and consumers, rights and responsibilities of employers and employees.

Outdoor Education Accessibility Resources, cont.

Federal Agencies

172. Department of Health and Human Services, Office for Civil Rights, Washington, DC 20201. For Section 504 rights in HHS programs.
173. Department of Housing and Urban Development, Washington, DC 20410. For housing programs to help handicapped persons.
174. Department of Justice, Assistant Attorney General for Civil Rights, Washington, DC 20530. For information about overall 504 coordination and enforcement.
175. Department of Education, Office for Civil Rights, Washington, DC 20202. For Section 504 rights in education.
176. Department of Interior, National Park Service, Division of Special Programs and Populations, Washington, DC 20240. For information on access to federal recreation areas and programs.
177. Department of the Treasury, Internal Revenue Service, Legislation and Regulations Division, Office of the General Counsel, Washington, DC 20224. For information about tax incentives to remove architectural barriers.
178. Department of the Treasury, Office of Revenue Sharing, Washington, DC 20224. For information about 504 requirements in revenue sharing funded facilities.
179. Department of Labor, Office of Federal Contract Compliance Programs, Washington, DC 20210. For details about Section 503.
180. Department of Transportation, Urban Mass Transportation Administration, Washington, DC 20509. For information on transportation assistance for elderly and handicapped persons.

Outdoor Education Accessibility Resources, cont.

181. Equal Employment Opportunity Commission, 2401 E Street, N.W., Washington, DC 20506. For Section 501 rights under federal laws.
182. Veterans Administration, Washington, DC 20402. For information about aid to disabled veterans.

Journals & Newsletters—Special

The journals and newsletters included in this section represent a selected listing of publications emphasizing the disabled students in outdoor education related programs. The resources provide valuable current information for persons interested in developing programs for disabled students and cover a wide range of topics and curriculum areas. Price information is current and provided where possible, however, many are available free of charge (or for a nominal fee) and may be obtained by writing the publisher.

JOURNALS AND NEWSLETTERS - SPECIAL

Access

Arts and Special Constituencies Project
1419 27th Street, N.W.
Washington, DC 20007

Provides information on all aspects of the creative arts as they relate to the disabled.

Access Information Bulletin

National Center for a Barrier Free Environment
1140 Connecticut Avenue, N.W.
Suite 1006
Washington, DC 20036

Provides detailed guidelines for designing accessible facilities.

The Articulator

The National Committee, Arts for the Handicapped
1825 Connecticut Avenue, N.W.
Suite 418
Washington, DC 20009

Reports on news, meetings, publications, etc. having to do with arts for the handicapped.

Free.

Bulletins on Science and Technology for the Handicapped

American Association for the Advancement of Science
Office of Opportunities in Science
1515 Massachusetts Avenue, N.W.
Washington, DC 20005

Part of a project supported by the National Science Foundation designed to facilitate discussion among those concerned with rehabilitation technology.

Camping and Recreation Newsletter

National Easter Seal Society for Crippled Children and Adults
2023 West Ogden Avenue
Chicago, IL 60612

Provides information related to camping and recreation for the handicapped.

Journals and Newsletters - Special (cont.)

Easter Seal Communicator

The National Easter Seal Society
2023 West Ogden Avenue
Chicago, IL 60612

Reports on activities and accomplishments of the National Easter Seal Society.

Executive Update

Project MAY (Mainstreaming Activities for Youth)
P.O. Box 1781
Longview, WA 98632

Disseminates information about the activities of Project MAY.

KAAE Quarterly Newsletter

Kentucky Association for Environmental Education
Center for Environmental Education
Murray State University
Murray, KY 42071

Provides information on the activities of KAAE and other events in Kentucky related to environmental education.

Kentucky Camping Association Newsletter

c/o Eli Ivey
109 Tartan Drive
Lexington, KY 40503

Designed to inform members of the current activities of the Kentucky section, American Camping Association.

Kentucky State Park Naturalist

Department of Parks
Capital Plaza Tower
Frankfort, KY 40601

Contains information on the natural and cultural interests of Kentucky State Parks.

Journals and Newsletters - Special (cont.)

NTRS Newsletter

NRPA/National Therapeutic Recreation Society
1601 North Kent Street
Arlington, VA 22209

Contains material relevant to therapeutic recreation and especially NTRS members.

Programming Trends in Therapeutic Recreation

Creative Leisure Services
2225 East McKinney
Denton, TX 76201

Designed to help practioners in their efforts to upgrade recreation and leisure services for the disabled.

\$12.00/year

Project TORCH Newsletter

Project TORCH
Camp Allen, Inc.
RFD #5
Bedford, NH 03102

Reports on activities and accomplishments of the project.

Rainbow Acres Ranch Newsletter

Rainbow Acres Ranch
P.O. Box 1326
Camp Verde, AZ 86322

Relates activities and needs of the ranch which serves the mentally retarded.

Report

National Center for a Barrier Free Environment
1140 Connecticut Avenue, N.W.
Suite 1006
Washington, DC 20036

Provides information on all aspects of accessibility including design directions and resources.

Journals and Newsletters - Special (cont.)

SAVI/SELPH

Science Enrichment Activities for Special Education
Center for Multisensory Learning
Lawrence Hall of Science
University of California
Berkeley, CA 94720

Describes the SAVI/SELPH program and its current accomplishments.

Science for the Handicapped Good Newsletter

Science for the Handicapped Association
SSS 201

University of Wisconsin - Eau Claire
Eau Claire, WI 54701

Provides information on publications, activities and opportunities relevant to science and the handicapped.

Teaching Exceptional Children

The Council for Exceptional Children
Department 2035
1920 Association Drive
Reston, VA 22091

Presents approved new methods and materials for teaching the exceptional child.

\$7.50/year

The Exceptional Parent

296 Boylston Street
Third Floor
Boston, MA 02116

Contains articles of interest to parents of children with learning disabilities as well as other practical information.

\$14.00/year

Journals and Newsletters - Special (cont.)

Trends

National Recreation and Park Association
1601 North Kent Street
Arlington, VA 22209

Includes articles on topics of general interest in park and recreation management and programming.

\$15.00/year

Up Front

90 Cherry Street
Box 519
Johnstown, PA 15907

In a newspaper format, presents articles about all aspects of life as they concern the handicapped. Intended as an advocate for the mentally and physically handicapped.

\$12.00/year

Vin-lines

Vinland National Center
3675 Ihduhapi Road
Loretto, MN 55357

Distributed by Vinland National Center, a health-sports center for disabled persons, to inform the public of its activities.

Journals & Newsletters—General

The majority of journals and newsletters included in this section are specific to the fields of outdoor/environmental education, camping, recreation, and leisure. While many of these publications are more general in nature, some address populations in their articles and columns. Price information is current and provided where possible, however, many are available free of charge and may be obtained by writing the publisher.

JOURNALS AND NEWSLETTERS - GENERAL

AEA Progress

Newsletter of the Arts, Education and Americans, Inc.
10 Rockefeller Plaza
New York, NY 10020

Advocates arts programs which become part of the essential fabric schooling and which put primary emphasis upon the role of the arts in developing the successful learner and full person.

Alliance Update

American Alliance for Health, Physical Education, Recreation and Dance
1900 Association Drive
Reston, VA 22091

Provides articles, news and special event information relative to the Alliance and its members.

American Youth Hostels

Metropolitan New York Council
American Youth Hostels, Inc.
132 Spring Street
New York, NY 10012

The purpose of AYH is to help all young people gain a greater understanding of the world and its people through outdoor activities, educational and recreational travel and related programs.

\$14.00/year

Biological Sciences Curriculum Study Journal

BSCS
P.O. Box 930
Boulder, CO 80306

Contains articles on various aspects of biology curriculums for regular classroom teachers.

\$4.00/year

Journals and Newsletters - General (cont.)

Clearing

Oregon Environmental Foundation
Environmental Education Project
School of Education, PSU
Portland, OR 97207

A clearinghouse for the newest developments in the expanding field of environmental education.

Connect

UNESCO
7, Place de Fontenoy
75700 Paris, France

Contains environmental education event and publication information from around the world.

Free

Discovery Through Outdoor Education

Michigan Outdoor Education Association
415 North Street
Yale, MI 48097

Designed to keep interested persons informed about happenings in outdoor education.

Ecotone

The Center for Environmental Education
Murray State University
Murray, KY 42071

Mainly includes information on the activities of the Center for Environmental Education, but there is also a section on other projects.

The Environmental Communicator

National Association for Environmental Education (NAEE)
P.O. Box 400
Troy, OH 45373

Contains mainly information about the activities of NAEE, but also other activities related to environmental education.

Journals and Newsletters - General (cont.)

The Environmental Interpreter

Nolde Forest Environmental Education Center
RD 1, Box 392
Reading, PA 19607

Includes tips concerning environmental education for teachers and information on activities of the Nolde Forest Center and elsewhere in Pennsylvania.

Fund Development and Revenue Sources Report

Leisure Information Service
Hawkins and Associates, Inc.
804 D Street, N.E.
Washington, DC 20002

Features revenue resources news and program development aids for planners and practitioners of outdoor and community services.

Journal of Outdoor Education

The Editor
Box 299
Oregon, IL 61061

Presents articles on all aspects of outdoor education and its implementation.

Free

Leisure Today

American Association for Leisure and Recreation
1900 Association Drive
Reston, VA 22091

Issues contain information about significant, current topics and serves as an excellent resource and teaching aid.

Nature Study

American Nature Study Society
RD 1
Homer, NY 13077

Contains articles and information on publications dealing with environmental education and interpretation.

\$15.00/year - ANSS contributing member

\$10.00/year - ANSS sustaining member

\$5.00/year - students

Journals and Newsletters - General (cont.)

Newsletter of the Council on Outdoor Education

Council on Outdoor Education/ARAPCS

Association of the American Alliance for Health, Physical Education,
Recreation, and Dance

1900 Association Drive

Reston, VA 22091

Published for the exchange of ideas and information of those working
in outdoor education and related fields.

Notes from the Pine Mountain Settlement School

Pine Mountain Settlement School

Pine Mountain, KY 40810

Shares events and activities of the school and material relevant to
environmental education in general.

OBIS Newsletter

OBIS (Outdoor Biology Instructional Strategies)

Delta Education

Box M

Nashua, NH 03061

Disseminates information on OBIS materials.

Orange County Park News

Orange County Department of Parks and Recreation

RD 3, Route 416

Montgomery, NY 12549

Discusses activities and accomplishments of Orange County Department
of Parks and Recreation.

Reflections

John Inskeep Environmental Learning Center

Clackamas Community College

19600 South Molalla Avenue

Oregon City, OR 97045

Provides information on this center, workshops, materials, etc.
related to environmental education.

Journals and Newsletters - General (cont.)

Resources for Youth

The National Commission on Resources for Youth, Inc.
36 West 44th Street
New York, NY 10036

Describes various types of youth participation programs which enable young people to assume responsible roles.

\$6.00/year

The Outdoor Communicator

The New York State Outdoor Education Association
196 Morton Avenue
Albany, NY 12202

Contains articles and information relating to environmental education.

\$20.00/year

The Science Teacher

National Science Teachers Association
1742 Connecticut Avenue, N.W.
Washington, D.C. 20009

Contains articles, news and event information of interest to regular education science teachers.

\$25.00/year - individual
\$30.00/year - institution

Voyageur

Association for Experiential Education
Box 4625
Denver, CO 80204

Reports on activities of the association and provides information on relevant publications.

Resource Catalogs

Information regarding the availability of current outdoor related books, materials, curriculum guides, films and equipment may be found in resource catalogs published by the companies and organizations listed in this section. Also, many of these catalogs list materials and resources that are specifically designed for special populations. The majority are available free of charge (or for a nominal fee) and may be obtained by writing the publishers.

RESOURCE CATALOGS

Acclimatization Experiences Institute
P.O. Box 288
Warrenville, IL 60555

American Alliance for Health, Physical Education,
Recreation and Dance
1900 Association Drive
Reston, VA 22091

American Camping Association
Bradford Woods
Martinsville, IN 46151

Association for Childhood Education International
3615 Wisconsin Avenue, N.W.
Washington, DC 20016

Association for Experiential Education
Box 4625
Denver, CO 80204

The Colorado Outward Bound School
945 Pennsylvania Street
Denver, CO 80203

The Council for Exceptional Children
Publications Sales
1920 Association Drive
Reston, VA 22091

Department for Natural Resources and Environmental
Protection
Division of Conservation
Pine Hill Plaza
1121 Louisville Road
Frankfort, KY 40601

EDMARK Associates
P.O. Box 3903
Bellevue, WA 98009

RESOURCE CATALOGS (cont.)

Handicapped Learner Materials Distribution Center
Indiana University
Audio-Visual Center
Bloomington, IN 47405

Hawkins and Associates, Inc.
804 D Street, N.E.
Washington, DC 20002

Hubbard Elementary Catalog
P.O. Box 104
Northbrook, IL 60062

The Human Policy Press
P.O. Box 127
Syracuse, NY 13210

Kentucky Department of Natural Resources and Environmental
Protection
Division of Forestry
618 Teton Trail
Frankfort, KY 40601

National Audubon Society
Photo and Film Department
950 Third Avenue
New York, NY 10002

Project ICE
1927 Main Street
Greenbay, WI 94301

Rehabilitation International, USA
REHABFILM
20 West 40th Street
New York, NY 10018

The Stanfield House
P.O. Box 3208
Santa Monica, CA 90403

RESOURCE CATALOGS (cont.)

Tennessee Valley Authority
Film Service
Knoxville, TN 37902

University of California
Media Center
2223 Fulton Street
Berkeley, CA 94720

Walter J. Klein Company, Ltd.
6301 Carmel Road
Charlotte, NC 28222

XEROX Films
245 Long Hill Road
Middletown, CT 06457

Organizations Concerned with Outdoor Environmental Education

The associations and organizations listed in this section are generally affiliated with the field of outdoor/environmental education and can be an excellent resource for obtaining information or materials that may be useful for classroom teachers, park and resource personnel, and parents. The majority of these organizations also publish newsletters, journals and/or catalogs which discuss such topics as current outdoor education programming trends and practices, ideas and techniques for conducting programs and reviews of current books and other materials available to the field. More information concerning these organizations may be obtained by writing them directly and requesting to be added to their mailing list.

ORGANIZATIONS CONCERNED WITH OUTDOOR/ENVIRONMENTAL EDUCATION

Adaptive Environments
Massachusetts College of Art
26 Overland Street
Boston, MA 02215

Alliance for Environmental Education
1619 Massachusetts Avenue, N.W.
Washington, DC 20036

The American Alliance for Health, Physical Education, Recreation
and Dance
1900 Association Drive
Reston, VA 22091

American Association for the Advancement of Science
1776 Massachusetts Avenue, N.W.
Washington, DC 20036

American Camping Association, Inc.
Bradford Woods
Martinsville, IN 46151

American Coalition of Citizens with Disabilities
1200 15th Street, N.W.
Suite 201
Washington, DC 20005

American Conservation Association
30 Rockefeller Plaza
New York, NY 10020

Association for Environmental and Outdoor Education
253 Johnstone Court
San Rafael, CA 94903

American Forest Institute
1619 Massachusetts Avenue, N.W.
Washington, DC 20036

American Forestry Association
1319 18th Street, N.W.
Washington, DC 20036

American Nature Study Society
44 College Drive
Jersey City, NY 07305

Organizations Concerned with Outdoor/Environmental Education (cont.)

American Society for Environmental Education
Institute for Natural and Environmental Resources
P.O. Box R
University of New Hampshire
Durham, NJ 03824

Association for Environmental and Outdoor Education
915 West Dunne Avenue
Morgan Hill, CA 95307

Association for Experiential Education
Box 4625
Denver, CO 80204

Association for Management of Environmental Resources and Information
Center for American Needs (AMERICAN)
200 N Street, N.W.
Washington, DC 20036

Association of Interpretive Naturalists
6700 Needwood Road
Derwood, MD 20855

Association of the American Alliance for Health, Physical Education,
Recreation and Dance
1201 16th Street, N.W.
Washington, DC 20036

The Center for Action on Endangered Species
Ayer, MA 01432

Center for Environmental Education, Inc.
2100 M Street, N.W.
Washington, DC 25037

Center for International Environmental Information
300 East 42nd Street
New York, NY 10017

Council for Exceptional Children
1920 Association Drive
Reston, VA 22091

Defenders of Wildlife
1244 19th Street, N.W.
Washington, DC 20036

Organizations Concerned with Outdoor/Environmental Education (cont.)

Educational Resources Information Center
Clearinghouse for Science, Mathematics and Environmental Education
(ERIC/SMEAC)
Ohio State University
1200 Chambers Road, Room 310
Columbus, OH 43212

Institute for Environmental Awareness, Inc.
Moccasin Brook Outdoor School
P.O. Box 821
Greenfield, MA 01302

Institute for Environmental Education
8911 Euclid Avenue
Cleveland, OH 44106

Kentucky Association for Environmental Education
Center for Environmental Education
Murray State University
Murray, KY 42701

Michigan Outdoor Education Association
415 North Street
Yale, MI 48097

National Association for Environmental Education
P.O. Box 400
Troy, OH 45373

The National Association of Sports for Cerebral Palsy
United Cerebral Palsy Associations, Inc.
66 East 34th Street
New York, NY 10016

National Audubon Society
950 Third Avenue
New York, NY 10022

National Center for a Barrier Free Environment
Suite 1006
1140 Connecticut Avenue, N.W.
Washington, DC 20036

National Easter Seal Society
2023 West Ogden Avenue
Chicago, IL 60612

Organizations Concerned with Outdoor/Environmental Education (cont.)

National Outdoor Leadership School
P.O. Box AA
Lander, WY 82520

National Parks and Conservation Association
1701 18th Street, N.W.
Washington, DC 20006

National Park Service
U.S. Department of the Interior
Washington, DC 20240

National Recreation and Park Association
3101 Park Center Drive
Alexandria, VA 22302

National Science Foundation
1800 G Street, N.W.
Washington, DC 20550

National Wildlife Federation
Educational Service Division
1412 16th Street, N.W.
Washington, DC 20036

The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209

NYS Outdoor Education Association
196 Morton Avenue
Albany, NY 12202

Oregon Environmental Foundation
Environmental Education Project
School of Education, Portland State University
Portland, OR 97207

Renewable Natural Resources Foundation
5400 Grosvenor Lane
Bethesda, MD 20014

Science for the Handicapped Association
SSS 201
University of Wisconsin - Eau Claire
Eau Claire, WI 54701

Organizations Concerned with Outdoor/Environmental Education (cont.)

Sierra Club
530 Bush Street
San Francisco, CA 94118

Tennessee Valley Authority
400 Commerce Avenue
Knoxville, TN 37902

Total Education in the Total Environment (TETE)
The Renee Dubois Forum
675 West 252nd Street
Bronx, NY 10471

U.S. Department of Agriculture
Forest Service
South Building, Room 3233
12th and Independence Avenue, S.W.
Washington, DC 20250

U.S. Department of Education
Office of Environmental Education
1100 Donohoe Building
400 6th Street, S.W.
Washington, DC 20202

U.S. Department of the Interior
Fish and Wildlife Service
18th and C Streets, N.W.
Washington, DC 20240

U.S. Department of Justice
Land and Natural Resources Division
Wildlife Section
P.O. Box 7415, Ben Franklin Station
Washington, DC 20044

U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460

The Wilderness Society
1901 Pennsylvania Avenue, N.W.
Washington, DC 20006

Organizations Concerned with Outdoor/Environmental Education (cont.)

Wildlife Management Institute
1000 Vermont Avenue, N.W.
Room 709, Wire Building
Washington, DC 20005

Wildlife Society
7101 Wisconsin Avenue
Number 611
Washington, DC 20014

State Outdoor & Special Education Directors

Persons interested in obtaining more information about outdoor/environmental education programs currently being conducted in their state are encouraged to contact either the state director of outdoor/environmental education and/or the state director of special education. The addresses and telephone numbers for each of the state directors of outdoor/environmental education are listed in the left column; state special education directors are listed in the right column.

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS

Alabama

Environmental/Energy & Science
Education Specialist
State Department of Education
Basic Sciences Section
111 Coliseum Boulevard
Montgomery, Alabama 36109
(205)832-5850

Director, Special Education
State Department of Education
State Office Building
501 Dexter Avenue
Montgomery, Alabama 36130
(205)832-3230

Alaska

Specialist, Environmental
Education
State Department of Education
Pouch F
Juneau, Alaska 99811
(907)465-2854

Administrator, Office of
Exceptional Children
Alaska State Department of
Education
Pouch F
Juneau, Alaska 99811
(907)465-2970

Arizona

Program Specialist
State Department of Education
1535 West Jefferson Street
Phoenix, Arizona 85007
(602)255-5965

Deputy, Associate Superintendent
Bureau of Special Education
Arizona Department of Education
1535 West Jefferson Street
Phoenix, Arizona 85007
(602)255-3183

Arkansas

Coordinator, Economic & Environ-
mental/Conservation Education
State Department of Education
Arch Ford Building 104W
Little Rock, Arkansas 72201
(501)371-2791

Coordinator, Special Education
Arkansas State Department of
Education
Little Rock, Arkansas 72201
(501)371-2161

California

Consultant, Environmental
Education
State Department of Education
State Education Building
721 Capital Mall
Sacramento, California 95841
(916)323-2602

Administrator Consultant
Services North, or
Fiscal Officer
Office of Special Education
California State Department of
Education
721 Capital Mall
Sacramento, California 95814
(916)445-4338

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Colorado

Consultant, Environmental
Education
State Department of Education
State Office Building
201 East Colfax
Denver, Colorado 80203
(303)839-2417

Executive Director, Special
Education Services
Colorado Department of Education
201 East Colfax Street
Denver, Colorado 80203
(303)839-2727

Connecticut

Education Consultant
State Department of Education
P.O. Box 2219
Hartford, Connecticut 06115
(203)566-4825

Educational Consultant
Connecticut State Department of
Education
P.O. Box 2219
Hartford, Connecticut 06115
(203)566-7692

Delaware

Supervisor, Science & Environ-
mental Education
State Department of Public
Instruction
John G. Townsend Building
Dover, Delaware 19901
(302)736-4885

Director, Exceptional Children
& Special Programs
Delaware State Department of
Public Instruction
John G. Townsend Building
Dover, Delaware 19901
(302)678-5471

Florida

Director
Office of Environmental
Education
Florida Department of Education
Tallahassee, Florida 32304
(904)488-6547

Chief, Bureau of Education for
Exceptional Students
Florida State Department of
Education
Knott Building
Tallahassee, Florida 32301
(904)488-1570

Georgia

Science Coordinator
State Department of Education
207 Education Annex
156 Trinity Avenue, S.W.
Atlanta, Georgia 30303
(404)656-2576

Director, Division of Special
Programs
Georgia State Department of
Education
State Office Building
Atlanta, Georgia 30334
(404)656-2678

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Hawaii

Program Specialist
Environmental Education
State Department of Education
P.O. Box 2360
Honolulu, Hawaii 96804
(808)395-9252

Assistant Superintendent
Office of Instructional Services
1270 Queen Emma Street
Room 1206
Honolulu, Hawaii 96813
(808)548-2360

Idaho

Consultant, Proficiency
Testing & Energy & Environ-
mental Education
State Department of Education
Len B. Jordan Office Building
650 West State
(208)334-2281

Supervisor, Special Education
Idaho State Department of
Education
Len B. Jordan Office Building
Boise, Idaho 83720
(208)384-3301

Illinois

Educational Consultant
Energy/Environmental Education
Illinois Office of Education
100 North First Street
Springfield, Illinois 62777
(217)782-0360

Division of Handicapped
Education
Illinois State Board of
Education
100 North First Street
Springfield, Illinois 62777
(217)782-6601

Indiana

Environmental Education
Consultant
Division of Curriculum
Department of Public Instruction
Room 229, State House
Indianapolis, Indiana 46204
(317)927-0111

Director, Special Education
Division
Indiana Department of Public
Instruction
Room 228, State House
Indianapolis, Indiana 46204
(317)927-0216

Iowa

Consultant, Environmental
Education
Department of Public Education
Grimes State Office Building
Des Moines, Iowa 50319
(515)281-3191

Chief, Part B, Education for the
Handicapped Act
Department of Public
Instruction
Grimes State Office Building
Des Moines, Iowa 50319
(515)281-5461

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Kansas

Specialist, Economic Education
State Department of Education
120 East 10th Street
Topeka, Kansas 66612
(913)296-3916

Coordinator, Special Education
Administration
Kansas State Department of
Education
120 East 10th Street
Topeka, Kansas 66612
(913)296-3866

Kentucky

Consultant for Environmental
Education
State Department of Education
Room 1817, Capitol Plaza Tower
Frankfort, Kentucky 40601
(501)564-3749

Assistant Superintendent
Bureau of Education for Excep-
tional Children
Kentucky State Department of
Education
Capitol Plaza Tower
Frankfort, Kentucky 40601
(501)564-4970

Louisiana

Supervisor, Science & Environ-
mental Education
State Department of Education
Box 44064
Baton Rouge, Louisiana 70804
(504)342-3420

Director, Special Education
Program
Louisiana State Department of
Education
626 North Fourth Street
P.O. Box 44064
Baton Rouge, Louisiana 70804
(504)342-3655

Maine

Environmental Education
Consultant
State Department of Education
& Cultural Services
Augusta, Maine 04333
(207)289-2478

Director, Special Education
Maine State Department of
Educational & Cultural
Services
Education Building
Augusta, Maine 04333
(207)289-3451

Maryland

Consultant, Environmental
Education
State Department of Education
P.O. Box 8717
Friendship International Airport
Baltimore, Maryland 21240
(301)659-2307

Director, Division of Special
Education
Maryland State Dept. of Education
P.O. Box 8717 - Baltimore
Washington Int'l Airport
Linthicum Heights, Maryland 21240
(301)796-8300, ext. 344/549

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Massachusetts

Assistant to Deputy Commissioner
State Department of Education
31 Saint James Avenue
Boston, Massachusetts 02116
(617)727-5518

Associate Commissioner
Special Education Division
Massachusetts State Department
of Education
31 Saint James Avenue
Boston, Massachusetts 02116
(617)727-6217

Michigan

Science Education Specialist
State Department of Education
P.O. Box 30008
Lansing, Michigan 48909
(517)373-1484

Director, Special Education
Services
Michigan Department of Education
P.O. Box 30008
Lansing, Michigan 48909
(517)373-1695

Minnesota

Environmental Education
Coordinator
State Department of Education
644 Capital Square Building
St. Paul, Minnesota 55101
(612)296-4096

Assistant Commissioner
Special & Compensatory Education
Minnesota State Department of
Education
550 Cedar Street
St. Paul, Minnesota 55101
(612)296-7020

Mississippi

Science & Environmental Education
Consultant
State Department of Education
Division of Instruction
Box 771
Jackson, Mississippi 39205
(601)354-6955

Assistant Director, Special
Education Section
Mississippi State Department of
Education
Sillers State Office Building
P.O. Box 771
Jackson, Mississippi 39205
(601)354-6950

Environmental Education Coordinator
N.W. Mississippi Junior College
Booneville, Mississippi 38829
(601)728-7751

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Missouri

Director, Health, Physical Education,
Safety & Environmental Education
State Department of Education
Division of Public Schools
Jefferson State Office Building
P.O. Box 480
Jefferson City, Missouri 65102
(314)751-2664 or 751-4520

Director, Special Education
Missouri Department of Elementary
& Secondary Education
Jefferson State Office Building
P.O. Box 480, 100 E. Capital
Jefferson City, Missouri 65102
(314)751-2965

Montana

Consultant, Environmental
Education & Social Studies
Office of Public Instruction
State Capital Building
Helena, Montana 59601
(406)449-5643

Director, Special Education
Montana Office of Public
Instruction
State Capital, Room 106
Helena, Montana 59601
(406)449-5660

Nebraska

Science Consultant
State Department of Education
301 Centennial Mall South
Lincoln, Nebraska 68509
(402)471-2446

Administrator, Special Education
301 Centennial Mall South
Box 94987
Lincoln, Nebraska 68509
(402)471-2471

Nevada

Consultant
State Department of Education
Capital Complex
400 West King Street
Carson City, Nevada 89710
(702)885-5700, ext. 245

Director, Division of Special
Education
Nevada Department of Education
400 West King Street
Carson City, Nevada 89710
(702)885-5700, ext. 214

New Hampshire

Consultant, Science Education
State Department of Education
64 North Main Street
Concord, New Hampshire 03301
(603)271-3293

Director, Special Education
Section
New Hampshire State Department
of Education
64 North Main Street
Concord, New Hampshire 03301
(603)271-3741

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

New Jersey

Environmental Education Consultant
Center for Coastal & Environmental
Studies
Environmental Education Division
Rutgers University - Busch Campus
Doolittle Building
New Brunswick, New Jersey 08903
(201)932-2246

Supervisor, Part B, Education of
the Handicapped Act
Special Education
New Jersey Dept. of Education
225 West State Street
Trenton, New Jersey 08625
(609)292-7610

New Mexico

Science & Conservation Specialist
State Department of Education
State Education Building
Santa Fe, New Mexico 87503
(505) 827-5391

New Mexico does not participate
in the Federally-funded handi-
capped education program.

New York

Coordinator, Environmental
Education
State Department of Education
Room 314-H
Albany, New York 12234
(518)474-5890

Director, Division of Develop-
ment, Support Services
New York State Education Dept.
Albany, New York 12234
(518)474-6479

North Carolina

Consultant, Division of Science
Education
State Department of Public
Instruction
Room 284, Education Building
Raleigh, North Carolina 27611
(919)733-3694

Coordinator, P.L. 94-142
Division of Exceptional Children
State Department of Public
Instruction
Raleigh, North Carolina 27611
(919)733-3921

North Dakota

Science & Mathematics Consultant
Department of Public Instruction
Bismarck, North Dakota 58505
(701) 224-2275

Director, Special Education
North Dakota Department of
Public Instruction
State Capitol
Bismarck, North Dakota 58505
(701)224-2279

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Ohio

Consultant, Environmental Education
State Department of Education
65 South Front Street, Room 801
Columbus, Ohio 43215
(614)466-5015

Director, Division of Special
Education
Ohio Department of Education
933 High Street
Worthington, Ohio 43085
(614)466-2650

Oklahoma

Science Specialist
State Department of Education
2500 North Lincoln Boulevard
Oklahoma City, Oklahoma 73015
(405)521-3361

Administrator, Special Education
Section
Oklahoma State Department of
Education
Oliver Hodge Memorial Education
Building
Oklahoma City, Oklahoma 73105
(405)521-3351

Oregon

Environmental Education Specialist
Oregon Department of Education
Salem, Oregon 97310
(503)378-2120

Coordinator, Handicapped
Education
Oregon State Department of
Education
700 Pringle Parkway, S.E.
Salem, Oregon 97310
(503)378-3598

Pennsylvania

Senior Program Advisor
Environmental Education
State Department of Education
Bureau of Curriculum Services
Box 911
Harrisburg, Pennsylvania 17126
(717)783-3859

Director, Bureau of Special
Education
Pennsylvania State Department of
Education
Box 911
Harrisburg, Pennsylvania 17126
(717)783-1264

Rhode Island

Coordinator, Dissemination Services
State Department of Education
235 Promenade Street
Providence, Rhode Island 02908
(401)277-3840

Director, Special Education
Rhode Island Dept. of Education
199 Promenade Street
Providence, Rhode Island 02908
(401)277-3505

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

South Carolina

Consultant for Environmental
Education
State Department of Education
Rutledge Office Building, Room 803
Columbia, South Carolina 29201
(803)758-2652

Director, Office of Programs for
the Handicapped
South Carolina State Department
of Education
1429 Senate Street, Rutledge
Office Building
Columbia, South Carolina 29201
(803)758-7432

South Dakota

Science & Environmental Education
Consultant
South Dakota Department of
Education & Cultural Affairs
Kneip Building
Pierre, South Dakota 57501
(605)773-3655

Director, Exceptional Children
South Dakota Department of Ed-
ucation & Cultural Affairs
Kneip Office Building
Pierre, South Dakota 57501
(605)773-3678

Tennessee

Science & Conservation Specialist
State Department of Education
P.O. Box 5077
Tennessee Technical College
Cookeville, Tennessee 38501
(625)528-5431

Chief, Handicapped Education
Section
Tennessee State Department of
Education
142 Cordell Hull Building
Nashville, Tennessee 37219
(615)741-2851

Science & Conservation Specialist
State Department of Education
Memphis State University
Memphis, Tennessee 38152
(901)454-2980

Texas

Consultant, Conservation &
Environmental Education
Division of Curriculum Improvement
Texas Education Agency
201 East 11th Street
Austin, Texas 78701
(512)475-3653

Director, Special Education
Funding
Texas Education Agency
201 East 11th Street
Austin, Texas 78701
(512)475-4302

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Utah

Specialist in Science Education
State Board of Education
250 East 500 South
Salt Lake City, Utah 84111
(801)533-5061

Director, Special Education
Utah State Board of Education
250 E. 5th South Street
Salt Lake City, Utah 84111
(801)533-5431

Vermont

Program Coordinator
Environmental Education & Science
State Department of Education
Montpelier, Vermont 05602
(802)828-3111

Director, Special Education &
Pupil Personnel Services
Vermont State Dept. of Education
Montpelier, Vermont 05602
(802)828-3141

Virginia

Coordinator of Environmental Education
State Department of Education
Box 6-Q
Richmond, Virginia 23216
(804)786-2676

Director, Division of Special
Education Support Services
Virginia Department of Education
Box 6-Q
Richmond, Virginia 23216
(804)786-2673

Washington

Supervisor of Environmental Education
Programs
State Department of Education
Office of State Superintendent
Old Capitol Building
Olympia, Washington 98504
(206)753-2574

Director, Special Education &
Institutions
State Superintendent of Public
Instructions
Old Capitol Building
Mailstop FG-11
Olympia, Washington 98504
(206)753-6735

West Virginia

Position Abolished

Director, Special Education
West Virginia Dept. of Education
1900 Washington Street East
Charleston, West Virginia 25305
(304)348-8830

Wisconsin

Environmental Education Supervisor
Department of Public Instruction
125 South Webster
Madison, Wisconsin 53702
(608)267-9266

Administrator, Federal Programs
for Handicapped Children
Wisconsin Department of Public
Instruction
126 Langdon Street
Madison, Wisconsin 53702
(608)266-2841

STATE OUTDOOR EDUCATION/SPECIAL EDUCATION DIRECTORS (cont.)

Wyoming

Science, Math, Environmental
Education Coordinator
221 Hathaway Building
Cheyenne, Wyoming 82002
(307)777-6247

Coordinator, Federal Handicapped
Education Programs
Wyoming State Dept. of Education
Hathaway Building
Cheyenne, Wyoming 82002
(307)777-7411

Colleges & Universities

The colleges and universities listed in this section offer a curriculum emphasis in outdoor education and/or therapeutic recreation and can be an excellent resource for persons or groups interested in obtaining assistance and/or information about programs currently being conducted in their states. It should be noted that not every state is represented and the reader is urged to contact the college or university nearest to them.

COLLEGES AND UNIVERSITIES

University of Alabama
Department of Secondary Education
Box R
University, AL 35486

Arizona State University
Department of Leisure Studies
Tempe, AZ 85281
(602)965-7291

Arkansas Technical University
Department of Recreation &
Park Administration
Russellville, AR 72801
(501)968-0378

California State University-Northridge
Department of Recreation and Leisure
Studies
Northridge, CA 91324
(213)885-3202

University of California-Berkeley
Berkeley Outreach Program
605 Eshleman Hall
Berkeley, CA 94720

San Diego State University
Department of Recreation
San Diego, CA 92182
(714)286-5110

University of Waterloo
Department of Recreation
Waterloo, Ontario, Canada N2L 3G1
(519)885-1211, Ext. 3529

Post College
Division of Community & Social
Services
800 Country Club Road
Waterbury, CT 06708
(203)755-0121

The University of Idaho
Department of Wildland Recreation
Management
Moscow, ID 83843
(208)885-7911

University of Idaho
Memorial Gym Bldg., No. 203
Moscow, ID 83843

Southern Illinois University
Touch of Nature Program
Carbondale, IL 62901

University of Illinois at
Urbana-Champaign
Department of Leisure Studies
Huff Gymnasium 104
Champaign, IL 61820
(217)333-0105

George Williams College
Department of Leisure & Environ-
mental Resources Administra-
tion
555 31st Street
Downers Grove, IL 60515
(312)964-3100

Western Illinois University
Department of Recreation & Park
Administration
103 Western Hall
Macomb, IL 61455
(309)298-1967

Loredo Taft Field Campus
Outdoor Teacher Education
Box 299
Oregon, IL 61061

COLLEGES AND UNIVERSITIES (cont.)

Illinois State University
Recreation & Park Administration
McCormick Hall
Normal, IL 61761
(309)438-5608

Purdue University
Recreation Studies Program
West Lafayette, IN 47907
(317)493-9886

University of Northern Iowa
Recreation Division
School of Health, Physical
Education & Recreation
Cedar Falls, IA 50613
(319)273-2654

Pittsburg State University
Weede Gymnasium
Pittsburg, KS 66762
(316)231-7000, Ext. 352

Western Kentucky University
Department of Physical Education
& Recreation
Bowling Green, KY 42101
(502)745-3347

Murray State University
Center for Environmental Education
Murray, KY 42701

Eastern Kentucky University
Department of Recreation & Park
Administration
Richmond, KY 40475
(606)622-5975

Northwestern State University
Department of Health, Physical
Education & Recreation
Natchitoches, LA 71457
(318)357-5126

Northeastern University
Department of Recreation &
Leisure Studies
Boston-Bouve College, 3 Dockser
Hall
360 Huntington Avenue
Boston, MA 02115

Michigan State University
Department of Health, Physical
Education & Recreation
Room 210, Intramural Bldg. West
East Lansing, MI 48824
(517)355-5265

Michigan State University
Department of Park & Recreation
Resources
131 Natural Resources Building
East Lansing, MI 48824
(517)353-0882

Michigan State University
Department of Park & Recreation
Resources & Cooperative
Extension Service
East Lansing, MI 48824

Northern Michigan University
Coordinator of Recreation
Curricula
Department of Health, Physical
Education & Recreation
Marquette, MI 49855
(906)227-2130

Central Michigan University
Department of Recreation & Park
Administration
Mt. Pleasant, MI 48895
(517)774-3021

Mankato State University
210225
P.O. Box 52
Mankato, MN 56001

COLLEGES AND UNIVERSITIES (cont.)

University of Minnesota
Park & Leisure Studies
203 Cooke Hall
1900 University Avenue S.E.
Minneapolis, MN 55455
(612)373-4264

Missouri Western State College
Leisure Management
4525 Downs Drive
St. Joseph, MO 64507
(816)271-4493

Southwestern Missouri State
University
Central Missouri State University
Department of Recreation & Health
Springfield, MO 65802
(417)836-5411

Central Missouri State University
Department of Recreation & Health
201-D Education Bldg.
Warrensburg, MO 64093
(816)429-4056

University of Montana
Recreation Management Degree
Program
School of Forestry
Missoula, MT 59812
(406)243-5521

University of Nebraska-Lincoln
Department of Recreation &
Leisure Studies
School of HPER
Lincoln, NE 68588
(402)472-1174

University of New Hampshire
School of Health Studies,
Recreation & Parks
227 Hewitt Hall
Durham, NH 03824
(603)862-2392

SUNY College at Brockport (State
University of New York College
at Brockport
Brockport, NY 14420
(716)395-2161

Ithaca College
Department of Recreation
Ithaca, NY 14850
(607)274-3326

New York University
Department of Cultural
Foundations
737 East Bldg.
New York, NY 10003
(212)598-2593

State University of New York
College at Cortland
Outdoor Education Center
Racquette Lake, NY 13436

Ohio State University
Parks & Recreation Administration
2080 Neil Avenue
Columbus, OH 43210
(614)422-1600

Ohio State University
Recreation Education
Pomerene Hall
1760 Neil Avenue
Columbus, OH 43210
(614)422-2705

University of Oregon
Department of Recreation &
Park Management
Eugene, OR 97403
(803)686-3396 (Main Office); or
686-3602 (Center for Leisure
Studies)

COLLEGES AND UNIVERSITIES (cont.)

Clackamas Community College
John Inskip Environmental
Learning Center
19600 S. Molalla Avenue
Oregon City, OR 97045

Shepherd College
Shepherdstown, WV 443
(304)876-2511

Portland State University
Special Education Department
P.O. Box 751
Portland, OR 97208

Harrisburg Area Community College
Department of Recreation & Physical
Education
3300 Cameron Street Road
Harrisburg, PA 17110
(717) 236-9533

University of Tennessee
Science/Environmental Education
Area
Knoxville, TN 37916

University of Utah
Division of Leisure Studies &
Services, College of Health
HPR N226
Salt Lake City, UT 84112
(801)581-8542 or 8547

Radford University
Department of Recreation & Leisure
Services
Box 5736
Radford, VA 24142
(703)731-5369

Central Washington University
Leisure Services Program
Ellensburg, WA 98926
(509)963-3551

PUBLISHERS

The names and addresses of each of the publishers for the resources listed in the first four sections of this guide have been provided for ease of locating and ordering desired publications. The numbers preceding each publisher correspond with the numbers following each bibliographical citation (i.e., (#54)). Also, when ordering or inquiring about a specific publication, it is important that the title be listed correctly along with the author's full name.

PUBLISHERS

1. Acclimatization Experiences Institute
P.O. Box 288
Warrenville, IL 60555
2. The American Alliance for Health, Recreation and Dance
Council on Outdoor Education
1900 Association Drive
Reston, VA 22091
3. American Annals of the Deaf
Convention of American Instructors of the Deaf
Conference of Educational Administrators Serving the Deaf
814 Thayer Avenue
Silver Spring, MD 20910
4. American National Standards Institute (ANSI)
1430 Broadway
New York, NY 10018
5. American Association for the Advancement of Science
1776 Massachusetts Avenue, N.W.
Washington, DC 20036
6. The American Biology Teacher
National Association of Biology Teachers
11250 Roger Bacon Drive
Reston, VA 22090
7. American Camping Association
Bradford Woods
Martinsville, IN 46151
8. Ananda Publications
14618 Tyler Foote Road
Nevada City, CA 95959
9. Anchor Press
c/o Doubleday & Company
501 Franklin Avenue
Garden City, NY 11530
10. Architectural & Transportation Barriers Compliance Board
330 C Street, S.W.
Washington, DC 20201

PUBLISHERS (cont.)

11. Bantam Books
666 Fifth Avenue
New York, NY 10019
12. BOCES of Nassau County
c/o Norman Sklian, Administrator
Outdoor Environmental Education
Valentines Road/The Plain Road
Westbury, NY 11590
13. Boy Scouts of Canada
P.O. Box 5151, Station "F"
Ottawa, Ontario K2C 3G7
14. Bradford Woods Outdoor Education, Recreation & Camping Center
Department of Recreation and Park Administration
School of Health, Physical Education and Recreation
Indiana University
Bloomington, IN 47402
15. Burgess Publishing Company
7108 Ohms Lane
Minneapolis, MN 55415
16. Camp Confidence
Northern Minnesota Therapeutic Camp, Inc.
Box 349
Brainerd, MN 56401
17. Camping Magazine
American Camping Association
Bradford Woods
Martinsville, IN 46154
18. Center for Environmental Education
1925 K Street, N.W.
Suite 206
Washington, DC 20006
19. Chapel Hill Training Outreach Project
Chapel Hill, NC 27514
20. Clearing
c/o Environmental Education Project
Portland, OR 97207
21. Colorado Outward Bound School
945 Pennsylvania Street
Denver, Colorado 80203

PUBLISHERS (cont.)

22. Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
23. Department of Conservation
Handicapped Program
Shratton Building
Springfield, IL 62706
24. Department of Natural Resources
Salt Lake City, UT 84111
25. Division of Curriculum and Instruction
Mobile County Public School System
Mobile, AL 36601
26. Division of Program Development, Bureau of Instruction
Kentucky Department of Education
Capitol Plaza Tower
Frankfort, KY 40601
27. Eco-Lab, Laramie County School District Number One
R.R. 1, Box 550-A
Cheyenne, WY 82001
28. EDNEWS
Kentucky Department of Education
Division of Publications
Office of Communication Services
Frankfort, KY 40601
29. Educational Facilities Laboratory
680 Fifth Avenue
New York, NY 10022
30. The Environmental Action Coalition
417 Lafayette Street
New York, NY 10003
31. ERIC Document Reproduction Service
Computer Microfilm International Corporation
P.O. Box 190
Arlington, VA 22210
32. ERIC
1200 Chambers Road
Third Floor
Columbus, OH 43212

PUBLISHERS (cont.)

33. Explore Education
P.O. Box 3974
Portland, OR 97203
34. Florida Department of Agriculture and Consumer Services
Division of Forestry
Tallahassee, FL 32301
35. The Forum
582 Baldy Hall
SUNY/Buffalo
Amherst, NY 14260
36. Foundation Center
888 Seventh Avenue
New York, NY 10106
37. Galloway Publications, Inc.
2940 N.W. Circle Boulevard
Corvallis, OR 97330
38. Girl Scout Leader
Girl Scouts of the U.S.A.
820 Third Avenue
New York, NY 10022
39. Hawkins and Associates, Inc.
804 D Street, N.E.
Washington, DC 20002
40. Hubbard Scientific Company
P.O. Box 104
Northbrook, IL 60062
41. Instructional Materials Service
3 Stone Hall
Cornell University
Ithaca, NY 14853
42. Instructor
Royal Automobile Club
RAC House
Landsdowne Road
Croydon, Surrey
CR9 2VA, England

PUBLISHERS (cont.)

43. Interstate Printers and Publishers, Inc.
Danville, IL 61832
44. Jenny Publishing Company
57 Queen Avenue, South
Minneapolis, MN 55405
45. John Wiley and Sons, Inc.
605 Third Avenue
New York, NY 10016
46. Journal of Christian Camping
Christian Camping International
Box 400
Somonauk, IL 60552
47. Journal of Environmental Education and Interpretation
Heldref Public
4000 Albermarle Street, N.W.
Washington, DC 20016
48. Journal of Experiential Education
The Association for Experiential Education
Box 4265
Denver, CO 80204
49. Journal of Outdoor Education
The Editor
Box 299
Oregon, IL 61061
50. Journal of Park and Recreation Management
National Recreation and Park Association
1700 Pennsylvania Avenue
Washington, DC 20006
51. Journal of Visual Impairment and Blindness
American Foundation for the Blind, Inc.
15 West 16th Street
New York, NY 10011
52. Kentucky Department of Education
Kentucky Department of Energy
Capitol Plaza Tower
Frankfort, KY 40601

PUBLISHERS (cont.)

53. Marian College
Outdoor Ecological Laboratory
3200 Cold Spring Road
Indianapolis, IN 46222
54. Minnesota Therapeutic Camp, Inc.
P.O. Box 349
Brainerd, MN 56401
55. Mohican School in the Out-of-Doors, Inc.
Route 2, Box 250
Peersville, OH 44864
56. Montgomery County Public Schools
Rockville, MD 20850
57. Morehead State University
Center for Environmental Studies
Morehead, KY 40531
58. Murray State University
Center for Environmental Education
Murray, KY 42071
59. Muscatine Scott County School System
Muscatine, IA 52761
60. National Audubon Society
Nature Center Planning Division
950 Third Avenue
New York, NY 10022
61. National Easter Seal Society
2023 West Ogden Avenue
Chicago, IL 60612
62. National Institute of Education
U.S. Department of Health, Education and Welfare
Washington, DC 20208
63. National Park Service
Pacific Northwest Region
Cooperative Park Studies Unit
College of Forest Resources
Seattle, WA 98195

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Publication Center
1700 Pennsylvania Avenue
Washington, DC 20006
65. National Rehabilitation Information Center
Catholic University of America
4407 8th Street, N.E.
Washington, DC 20017
66. National Wildlife Federation
1412 16th Street, N.W.
Washington, DC 20036
67. Nature Study
American Nature Study Society
R.D. 1
Homer, NY 13077
68. New Games Foundation
P.O. Box 7901
San Francisco, CA 94120
69. New Hampshire Developmental Disabilities Council
Health and Welfare Building
Hazen Drive
Concord, NH 03301
70. OBIS - Delta Education
Lawrence Hall of Science
University of California
Berkeley, CA 94720
71. The Office of Recreation and Park Resources
Department of Leisure Studies
University of Illinois
Champaign, IL 61820
72. Prentice-Hall, Inc.
Englewood Cliffs, NJ 07632
73. Project ICE
1927 Main Street
Green Bay, WI 54301

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74. Project Learning Tree
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1619 Massachusetts Avenue, N.W.
Washington, DC 20036
75. Research and Development Report
17 Fifth Avenue
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76. Resources in Education
*Local School or University Library
77. SAVI/SELPH
Lawrence Hall of Science
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78. Science and Children
National Science Teachers Association
1742 Connecticut Avenue, N.W.
Washington, DC 20009
79. Scouting
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Baden-Powell House
Queens Gate, London SW75JS
80. Sierra Club
530 Bush Street
San Francisco, CA 94108
81. Slippery Rock State College
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c/o National Therapeutic Recreation Society
1601 North Kent Street
Arlington, VA 22209
86. Trends
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87. U.S. Government Printing Office
Division of Public Documents
Washington, DC 20402
88. University Library
University Park, PA 16802
89. University of Michigan
School of Natural Resources
Samuel Trask Dana Building
Ann Arbor, MI 48109
90. University Microfilms International
300 North Zeeb Road
Ann Arbor, MI 48106
91. Vinland National Center
3675 Ihduhapi Road
Loretto, MN 55357
92. William B. Stapp and Dorothy A. Cox
32493 Shady Ridge Drive
Farmington Hills, MI 48018

Annotated Directory of Selected Outdoor Education Programs Serving the Handicapped

Listed in this section of the guide is a directory of 172 separate outdoor education programs and centers representing 38 states which serve both disabled and non-disabled persons in either segregated or mainstreamed settings. The purpose of the directory is to assist readers with locating outdoor education programs in their own community, state or region that may either provide technical assistance or information on outdoor programming for special populations.

Each program listed has been annotated to provide a more complete picture of the type of services and activities that are offered as well as a summary of the types of disabled populations they serve. In addition, the addresses, telephone numbers and titles of the primary contact person has been provided to assist those who desire more information about a specific program.

KEY: EH - Emotionally Handicapped
HI - Hearing Impaired
VI - Visually Impaired
LD - Learning Disabled
MH - Mentally Handicapped
PH - Physically Handicapped
SI - Speech Impaired

Arizona

BOSTROM ALTERNATIVE CENTER FOR EDUCATION; 801 Woodland; Phoenix, Arizona 85507
(602)257-3018; 257- 4950

Contact Person: Director

Populations Served: Grades 9-12; serves LD, EH, & HI

Students are integrated with nonhandicapped persons similar to an Outward Bound-type program.

HANDICAPPED UNBOUND; P.O. Box 1044; Prescott, Arizona 86302
(602) 445-5076

Contact Person: Executive Director

Populations Served: Preschool-Adult; serves VI, LD, MH, SI & PH.

This program serves the entire state of Arizona through various other programs, with experiences available from one day to a full month. Handicapped Unbound is a nonprofit tax-exempt corporation that offers a wide variety of outdoor programs for handicapped persons.

PINNACLE MOUNTAIN STATE PARK; Route 1, Box 34; Roland, Arizona 72135

(501) 868-5806

Contact Person: Naturalist

Populations Served: K-Adult; all handicapping conditions served.

Activities range from guided two-mile trail walks to programs on American Indians. Facilities include the half-mile Kingfisher Trail, picnic area, and visitor center, all of which are wheelchair accessible.

SPRINGDALE SCHOOLS ENVIRONMENTAL STUDY CENTER; Project Director; Springdale Schools; 511 Lakeview Drive; Springdale, Arizona 72764
(501) 751-1840

Contact Person: Director of Environmental Education

Populations Served: K-Adult; serves the LD, PH & VI

Facilities include a 360-acre study area, the upper end of a 194-acre manmade lake, eight miles of trail, rope course with eight elements, a 10-acre orienteering field, and a classroom-laboratory providing lecture space indoors and outdoors.

California

BERKELEY OUTREACH RECREATION PROGRAM, INC.; 605 Eshleman Hall;
University of California; Berkeley, California 94720
(415) 849-4662

Contact Person: Wilderness Project Coordinator
Populations Served: Adult; serves the PH.

BORP works as a community facilitator to make all recreational programs accessible to the physically disabled. Swimming and body conditioning are offered year round; a three-day wilderness adventure is offered each month.

PROJECT PLAE, c/o Inquiring Systems, Inc.; 2309 Woolsey; Berkeley, California 94705
(415) 845-7549

Contact Person: Director
Populations Served: Ages 8-12; serves all handicapping conditions.

An arts and environmental summer afternoon recreation workshop for children of all abilities. The purpose of Project Plae is to bring together children of all levels of ability and disability into an integrated play and learning situation by combining community arts activities with a developmentally varied and physically accessible outdoor environment. Originated in 1980 by a group of Berkeley parents who wanted a program where children of all abilities could play and learn together, instead of being segregated in either "special" or "regular" facilities.

OLDER ELEMENTARY SCHOOL; 19500 Calle De Barcelona; Cupertino, California 95014
(408) 252-6621

Contact Person: Principal
Populations Served: 8-21 year olds; serves PH

Program services physically handicapped individuals only.
Residential sessions last one week every May.

ORANGE COUNTY OUTDOOR SCHOOL; Forest Home; Forest Falls, California
92339 -

(714) 794-1988

Contact Person: Principal

Populations Served: K-8; serves all handicapping conditions.

Handicapped students are integrated into the regular program; residential sessions last one week. Four Hundred children per week attend camp from school for thirty weeks. The staff at Forest Home conducts the program; however, visiting classroom teachers actually serve as instructors in the outdoor education school.

FORT ROOSEVELT; Davis and Grant Streets; Hanford, California 93232

(209) 584-5561

Contact Person: Principal/Director

Populations Served: Preschool-12; serves all handicapping conditions.

Fort Roosevelt is a school-based outdoor education program that offers students and community members access to a natural environment. Programs operate throughout the school year and - to a limited degree - during school vacations. Handicapped students who participate in the program are segregated according to disability.

WILDERNESS CHALLENGE; 5619 Delongpre Avenue; Hollywood, California
90028

(213) 464-7325

Contact Person: Director

Populations Served: 15-18 year olds referred as delinquent or EH.

Wilderness Challenge is a stress-counseling program created by the Boy's Club of Hollywood. It consists of three phases; Phase I involves selection, orientation, and establishment of personal goals and objectives; Phase II consists of three weeks of wilderness survival; Phase III is a follow-up system of relating the successful wilderness experience to everyday challenges.

CALIFORNIA LEAGUE FOR THE HANDICAPPED; 1299 Bush Street; San Francisco, California 94109
(415) 441-1980

Contact Person: Executive Director

Populations Served: Grade 1-Adult; serves the LD, PH, MH & VI.

Through overnight camping sessions, specially arranged field trips to museums, state parks, and beaches, the League conducts outdoor experiences for variously handicapped children and adults - some with nonhandicapped groups, some for own group. Farm and forestry personnel serve as guides for teachers. A garden plot is available for planting and growing.

ENVIRONMENTAL TRAVELING COMPANIONS (ETC); Ft. Mason Center, Building C; San Francisco, California 94132
(415) 474-7662

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Environmental Traveling Companions conducts two-to-five day wilderness trips (hiking, backpacking, cross-country skiing, day hikes, "Out Land") for groups of twelve or fewer. All handicaps are served in an integrated setting.

RECREATION CENTER FOR THE HANDICAPPED; 207 Skyline Boulevard; San Francisco, California 94132
(415) 665-4100

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

The Center's year-round outdoor program offers a variety of camping programs, including day camping as well as wilderness and resident camping. For camping experiences children are grouped according to chronological age and compatibility, not the type of handicap.

SAN FRANCISCO LIGHTHOUSE FOR THE BLIND, INC.; 1155 Mission Street; San Francisco, California 94103
(415) 431-1481

Contact Person: Public Relations Coordinator

Populations Served: K-Adult; serves the VI.

Program operates the "Enchanted Hills Camp" which is a summer facility specifically for visually impaired children and adults.

CALAMINGOS STAR C RANCH; 327 Latigo Canyon Road; Malibu, California 90265

(213) 889-9724

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions except PH, VI & EH.

Program operates year-round; residential sessions last one week-end or five days. Facilities include nature trails, camping areas, and parks.

ENVIRONMENTAL VOLUNTEERS; 2253 Park Boulevard; Palo Alto, California 94306

(415) 327-6017

Contact Person: Program Coordinator

Populations Served: K-Adult; serves all handicapping conditions.

Trained by professional environmentalists, environmental volunteers (a group of 100) give their time for environmental education instruction in special education classrooms, convalescent hospitals, and day care centers.

CAMP SIERRA FOR THE HANDICAPPED; 2740 Fulton Avenue, Suite 210; Sacramento, California 95821

(916) 481-6304

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

Excellent camping program; residential sessions (summer only) lasts seven days per group. Facilities include a nature center, crafts center, gym, trails, education center, and an animal study center. Each camper has a personal Individualized Education Program (IEP) designed to improve skills by one or more levels.

CAMP CUYAMACA; CAMP DENVER C. FOX; CAMP PALOMAR; 6401 Linda Vista Road; San Diego, California 95114

(714) 292-3696

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Three program sites serve twenty-six school districts and surrounding communities. School camp is offered for sixth graders throughout thirty-six weeks of the year (average stay: five days; four nights). The rest of the year programs are offered during the summer and on weekends.

Colorado

SUMMIT HUMAN RESOURCES, INC., P.O. Box 1782; Boulder, Colorado 80306

(303) 442-1609

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions with the exception of the PH.

The Summit Journey program offers youth an opportunity for a wilderness adventure that is both exciting and educational. The program consists of taking small groups on wilderness excursions into the Rocky Mountains, and youth with adjustment problems are encouraged to enroll. The program is designed to help youth develop and increase self-esteem, a sense of personal responsibility, a feeling of accomplishment, and positive peer interactions.

COLORADO OUTDOOR EDUCATION CENTER; P.O. Box 697; 130 South Harris; Breckenridge, Colorado 80424

(303) 453-6422

Contact Person: Executive Director

Populations Served: K-Adult; serves MH & PH.

The Colorado Outdoor Education Center provides a variety of year-round outdoor activities that include horseback riding, hiking, rafting, desert hiking, fishing, ski touring, ice skating, orienteering, mountaineering, and snowshoeing, all of which are geared towards the needs of the handicapped. The staff are specially trained and operate on a ratio of one-to-three.

CAMP AQUARIUS OVERNIGHT CAMPING EXPERIENCE; Colorado Springs Park and Recreation Department; Otis Park Community Center for Special Recreation; 731 North Iowa Avenue; Colorado Springs, Colorado 80909
(303) 471-6993

Contact Person: Therapeutic Program Coordinators

Populations Served: Age 8-Adult; serves all handicapping conditions.

Camping program for handicapped individuals. Residential sessions last one week, summer sessions only. Focus on development of self-confidence, independence, and socialization skills.

COLORADO OUTWARD BOUND SCHOOL, JUVENILE JUSTICE PROGRAM; 520 North Tejon Street; Colorado Springs, Colorado 80903
(303) 471-8604

Contact Person: Project Director

Populations Served: HS-Adult; primarily serves juvenile delinquents, LD, EMH, TMH, HI & SI.

The Outward Bound School's goal is to encourage the development of self-confidence and self-esteem through successful participation in outdoor adventures. Each student identifies three personal goals to work toward during the Outward Bound experience.

COLORADO WILDERNESS TRAILS; CWT P.O. Box 288; Denver, Colorado 80220

(303) 333-5075

Contact Person: Director

Populations Served: Ages 9-14.

A private, nonprofit, tax-exempt corporation funded by the Department of Education and established to serve the needs of emotionally disturbed, early adolescent girls in the Denver metro area. The CWT project is designed to break failure cycles and eliminate negative self-images at an early stage in the child's development of emotional problems. Project objectives include increasing the child's ability to learn in a classroom setting, improving the child's ability to maintain positive personal relationships; developing the child's positive self-image; increasing appropriate behavior; reducing depression or physical symptoms of emotional problems; increasing school attendance, and reducing delinquent acts. The 21-day wilderness challenge utilizes a base-camp concept which promotes small expeditions such as rock climbing, backpack trips, and peak ascents run from the camps.

GRIFFITH CENTER; 1260 Franklin; Denver, Colorado 80218
(303) 388-1651

Contact Person: Assistant Director

Populations Served: HS boys; serves EH, LD & EMH.

Program operates year-round wilderness and urban experiential courses; residential and day programs are available under special program allowances.

**ENGLEWOOD PARKS AND RECREATION PROGRAM; 3400 South Elati Street;
Englewood, Colorado 80110
(303) 761-1140**

**Contact Person: Recreation Supervisor
Populations Served: K-9; serves the LD & PH.**

Englewood Parks and Recreation Program has established the Duncan Nature Center. In addition to lectures, puppet shows, and film presentations, the Center also sponsors field trips and a playground program. Handicapped students are served in an integrated fashion.

**JEFFERSON COUNTY OUTDOOR EDUCATION LABORATORY SCHOOLS; 1209 Quail Street; Lakewood, Colorado 80215
(303) 231-2385**

**Contact Person: Resource Specialist
Populations Served: Grades 1-6; serves all handicapping conditions.**

The Outdoor Education program is an integral part of the sixth grade curriculum consisting of a one-week in-residence experience. Learning experiences planned by the teachers are interdisciplinary in nature and designed specifically to meet the needs of each particular student group. In most cases handicapped students are mainstreamed into regular classrooms; in these instances each teacher makes necessary adaptations for the individual child on a one-to-one basis.

Connecticut

**CONNECTICUT WILDERNESS SCHOOL; Box 2243, Goshen, Connecticut 06756
(203) 566-4146**

**Contact Person: Director
Populations Served: HS only; serves the EH & LD.**

Operates twenty-one day sessions plus seasonal short courses. The Wilderness School is a therapeutic program designed to have permanent impact on the self-concept, behavior, and attitudes of the troubled adolescents it serves.

CENTER FOR ENVIRONMENTAL EDUCATION; 269 Oak Grove Street;
Manchester, Connecticut 06040
(203) 647-3321

Contact Person: Director

Populations Served: K-Adult; serves the LD, PH, EMH & EH.

Center operates as a department of the Board of Education and follows the calendar school year. At times, the Center works cooperatively with the Jaycees, Boy Scouts, and Conservation Commission. Handicapped students are mainstreamed and are involved in all program activities.

Delaware

ASHLAND NATURE CENTER, DELAWARE NATURE EDUCATION SOCIETY; Box 700;
Hockessin, Delaware 19707
(302) 239-2334

Contact Person: Assistant Director

Populations Served: K-Adult; serves all handicapping conditions.

Residential sessions last two-to-five days; the facilities include three nature centers and six hundred acres of trails. Handicapped students are integrated into all program activities, with all facilities accessible to them.

Florida

MARINE SCIENCE STATION; P.O. Box 1239; Crystal River, Florida 32529
(904) 795-4393

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions except VI, SI, HI & TMH.

Year-round programs may be residential (one week), day or overnight; the program operates on a cooperative basis with the school systems, scouts, 4-H, and various other clubs. Facilities include boating, nature trails, a museum, library, kitchen, dorms, and an observation tower.

CASTELLOW HAMMOCK INTERPRETIVE NATURE CENTER; 22301 SW 162 Avenue;
Goulds, Florida 33170
(305) 254-4321

Contact Person: Director

Populations Served: K-Adult; serves the LD, PH & EH

This facility serves the Sunrise School for the Retarded and includes a nature center, nature trail, native-plant arboretum, and displays. Groups utilizing the program offered are usually segregated by handicapping conditions.

ORANGE COUNTY PUBLIC SCHOOLS ENVIRONMENTAL EDUCATION CENTER;
P.O. Box 271; Orlando, Florida 32730
(305) 628-0995

Contact Person: Teacher

Populations Served: K-12; serves all handicapping conditions.

Although K-12 are served, main emphasis is on grades K-6. Program operates out of Mead Gardens, a public park in the City of Winter Park with each grade level exposed to a different program and different emphasis on outdoor education; overnight camp outs, for example, are included in the program for sixth grade groups.

SEMOLE COUNTY ENVIRONMENTAL STUDIES CENTER: 1211 Mellonville
Avenue; Sanford, Florida 32771
(305) 322-1252

Contact Person: Coordinator, Science

Populations Served: K-12, with major emphasis on grades 4-5;
serves all handicapping conditions.

Programs function as part of the school system; special facilities include a nature center that is accessible to the handicapped.

Georgia

DISCOVERY, INC.; 2311 Dellwood Drive NW; Atlanta, Georgia 30305
(404) 351-1295

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions with the exception of VI, SI & HI.

Discovery programs are designed to provide an opportunity for personal growth through safe adventure; material is similar to that of the Outward Bound Programs.

CAMPEONADA FOUNDATION; 816 Maple Street; Rome, Georgia 30161
(404) 235-4985

Contact Person: Director

Populations Served: Ages 9-19; serves EH.

A multifaceted, professionally staffed residential treatment center for young men in need of a personalized educational and therapeutic program. The wilderness camping environment of this program and the daily vocational projects and sports are geared to the physical and emotional needs of each youth. The center provides psychological and social services that include individual and group psychotherapy, as well as educational, recreational, and vocational therapy; current staff ratio of one to every two children is maintained. Application can be made directly to the officers, and a determination will be made as to whether or not the adolescent would be able to benefit from this type of program without requiring major changes in the program itself.

WILL-A-WAY RECREATION AREA FOR THE HANDICAPPED; Fort Yargo State Park; P.O. Box 764; Winder, Georgia 30680
(404) 867-5313

Contact Person: Recreation Administrator

Populations Served: K-Adult; serves all handicapping conditions.

Will-A-Way is a recreation area devoted solely to the handicapped. Steep slopes, uneven walks, steps, and narrow doorways have been eliminated, allowing handicapped individuals full access to the park. The recreation area complex includes a day-use area, cottage, and group camp.

Hawaii

MOANALUA GARDENS FOUNDATION: 1352 Pineapple Place; Honolulu, Hawaii 96819
(808) 839-5334

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

Moanalua Gardens Foundation exists to discover, preserve, and restore the historic cultures of the people of Hawaii and, as such, has become a learning center where historic and cultural resources are interwoven with the natural features.

Idaho

EXPEDITION OUTREACH, INC.; P.O. Box 431; Idaho Falls, Idaho 83401
(208) 524-1874

Contact Person: Director

Populations Served: Grades 8-12; serves the LD, EMH, EH & VI.

The program functions as a wilderness program for juvenile and adult offenders, wilderness trips lasting from ten-to-thirty days; handicapped students are integrated into the regular program.

Illinois

UNDERWAY PROGRAM, TOUCH OF NATURE ENVIRONMENTAL CENTER; Southern Illinois University; Carbondale, Illinois 62901
(618) 457-0348

Contact Person: Camp Director

Populations Served: K-Adult; serves the MH, EMH, TMH, PH, EH & LD.

This program provides camping for special populations. Residential sessions (summer only) last two weeks. Special camping facilities are provided for the handicapped.

CRYSTAL LAKE OUTDOOR EDUCATION CENTER; 330 North Main Street;
Crystal Lake, Illinois 60014
(815) 459-5557

Contact Person: Outdoor Education Director

Populations Served: K-Adult; serves all handicapping conditions with the exception of EMH.

The Center (open only during the school year) provides a nature center building and one hundred fifty acres of park with trails, pinery, a pond, and prairie. The program is operated cooperatively with local parks; handicapped students are integrated into all activities.

OUTDOOR TEACHER EDUCATION, LORADO TAFT FIELD CAMPUS; Box 299;
Oregon, Illinois 61061
(815) 732-2111

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Residential sessions last two-to-four days. Most of the handicapped students are mainstreamed with public school or university groups. Facilities include an interpretive nature trail geared for the handicapped and a challenge course that is partially accessible to the handicapped.

DISTRICT 54 NATURE CENTER; 20 West Wise Road; Shaumburg, Illinois
60193

(312) 893-1192

Contact Person: Environmental Education Coordinator

Populations Served: K-8; serves the LD, PH, EH, SI & HI.

Handicapped students are integrated within the regular program and all facilities are fully accessible to them. The purpose of the resident outdoor education program is to provide an opportunity for students and teachers to cultivate an appreciation for the natural environment, and to implement classroom learning in a three-to-five day experience with teachers and other students.

SUNRISE LAKE CAMP; 405 East Washington Street; Springfield,
Illinois 62706

(217) 782-6752

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Programs are specifically designed to serve handicapped children and youth, ages 3-21, that reside in, and attend the public schools within the ten member districts of the Northwest Suburban Special Education Organization. The camp offers a diverse outdoor education program that provides a high quality educational, recreational experience for the handicapped populations it is designed to serve.

THE CABIN NATURE CENTER; Northeast DuPage Special Recreation Association; 111 Wood Dale Road; Wood Dale, Illinois 60191
(312) 860-1111

Contact Person: Director

Populations Served: All handicapping conditions; all age levels.

Provides opportunities for the handicapped and nonhandicapped to explore the natural world together. Special adaptations have been made to the Cabin so that it is accessible to the handicapped. Tapes and Braille material are available for use by the visually impaired, and the naturalist is trained in manual communication. Most programs have been adapted to meet the needs of the handicapped and many programs are integrated. The Center also provides trails, a group campground, stress-challenge course, and nature center.

Indiana

BRADFORD WOODS OUTDOOR EDUCATION PROGRAM; 5040 State Road 67 North; Martinsville, Indiana 46151
(317) 342-2915

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Over the past forty years the two thousand three hundred acres comprising Bradford Woods have been the location for numerous outdoor education-recreation workshops, conferences, university courses, and camping programs. The site offers an ideal setting for a balanced combination of work, learning, and leisure. Most facilities are of barrier-free design with day or residential camping programs available for all handicapped individuals.

CAMP MILLHOUSE; 2015 West Western Avenue; Room 307; South Bend, Indiana 46629
(219) 272-9923

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

Camp Millhouse is located on thirty wooded acres ten miles southwest of South Bend, Indiana. It is a summer coed residential camp serving all handicapped children ages five to nineteen, as well as young adults. Two-week sessions are held throughout the summer.

Iowa

PROJECT ECO, AMES COMMUNITY SCHOOLS; 120 South Kellog; Ames,
Iowa 50010
(515) 232-3400, Ext. 365

Contact Person: Project ECO Teachers

Populations Served: K-12; serves all handicapping conditions.

The Project's main emphasis is two-fold: (1) to develop a controlled system for learning outside the classroom, and (2) to provide summer camping experiences for juniors and seniors.

OSBORNE CONSERVATION EDUCATION CENTER; Box 67, RR #2; Elkader,
Iowa 52034
(319) 245-1516

Contact Person: Executive Director

Populations Served: K-Adult; serves the PH & LD.

Facilities are located in a county park that has a visitor center, five trails, and a campground where special students are included in environmental education experiences and activities. Residential sessions last two days.

CONSERVATION EDUCATION CENTER; Box 53, RR #1; Guthrie Center,
Iowa 50115
(515) 747-8383

Contact Person: Administrator

Populations Served: K-Adult; serves all handicapping conditions.

The Center provides classroom space, a laboratory, library, conference rooms, a dormitory, and cafeteria; it is also well equipped for outdoor learning experiences for all groups. Programs are offered on a day, overnight, and approximately four-day residential basis.

HANDICAPPED CHILDREN'S NATURE CENTER; Scott County Park, RR #1;
Long Grove, Iowa 52756
(319) 385-7865

Contact Person: Outdoor Education Consultant

Populations Served: K-Adult; serves all handicapping conditions.

The Center includes a pond, a prairie area, wooded areas, and two thousand five hundred feet of paved nature trails interwoven throughout for individuals in wheelchairs.

CAMP COURAGEOUS OF IOWA; P.O. Box 514; Monticello, Iowa 53210
(319) 465-5684

Contact Person: Camp Director

Populations Served: K-Adult; serves all handicapping conditions.

Any mentally or physically handicapped person may attend Camp Courageous which is staffed by professionals who offer around-the-clock nursing coverage at a ratio of one staff member for every two campers; the number of campers served yearly has increased from two hundred and eleven to eighteen hundred. The Camp's trails and campsites have been specially designed for the handicapped.

DUBUQUE COUNTY CONSERVATION BOARD-SWISS VALLEY NATURE CENTER;
RR #1; Peosta, Iowa 52068
(319) 556-6745

Contact Person: Naturalist

Populations Served: Grade 1-Adults; serves LD, PH, MH, EH, HI & SI.

Program is directly connected to local school districts' needs. Field trips are tailored to the needs of teachers and students and consist of visiting the interpretive center and participating in awareness nature hikes guided by a naturalist. Handicapped individuals are welcome to attend the nature center which offers programs tailored to the special needs of individual groups.

Kentucky

PINE MOUNTAIN ENVIRONMENTAL EDUCATION CENTER; Pine Mountain Settlement School; Bledsoe, Kentucky 40810
(606) 558-4481

Contact Person: Program Coordinator

Populations Served: K-Adult; serves the PH, LD & EH.

Pine Mountain offers school classes (grades 1-8) a broad variety of unique supplemental experience and study in environmental education. Class visits to Pine Mountain can vary in length from one-to-five days, and students usually make use of the dorm facilities.

TENNESSEE VALLEY AUTHORITY'S LAND BETWEEN THE LAKES ENVIRONMENTAL EDUCATION CENTER; P.O. Box 27; Golden Pond, Kentucky 42231
(502) 924-5602

Contact Person: Supervisor

Populations Served: K-Adult; serves all handicapping conditions.

The program encompasses a resident school for student and teacher groups, visitor interpretive centers, educational farms, informal interpretive programs, and field trips.

HEYWOOD ENVIRONMENTAL SCHOOL; 422 Heywood; Louisville, Kentucky 40220

(502) 637-3046

Contact Person: Head Teacher

Populations Served: Grades 1-9; serves the EH.

Heywood Environmental School is a special day program serving severely emotionally disturbed youth, ages 5-15 in grades 1-8. Children demonstrate behaviors of the aggressive child to that of a withdrawn child. Parent involvement is encouraged. The goal of the program is to return as many students as possible to regular schools, to either a regular or special class.

**INNOVATIVE DIVERSION PROJECT (PROJECT I.D.); 675 River City Mall;
Louisville, Kentucky 40202
(502) 581-4570**

Contact Person: Coordinator

Populations Served: HS; serves the EMH & EH.

Project I.D. is a wilderness based adventure program established by the Jefferson County Board of Education to provide alternative education to troubled youth. It places students in an invigorating and challenging environment that offers a series of progressively demanding experiences. It offers curriculum guidelines for outdoor education, camping supplies, slide show presentations, a resource center, and training sessions to interested groups. In addition, Project I.D. coordinates environmental education activities at Otter Creek Park and Black Acres Nature Preserve for the Jefferson County School System. Inservice programs and workshops for educators are available upon request. Special Education Programs in outdoor education are also a major emphasis for this project.

**CENTER FOR ENVIRONMENTAL EDUCATION; College of Human Development and Learning; Department of Instruction and Learning; Murray, Kentucky 42071
(502) 762-2500**

Contact Person: Director

Populations Served: Teachers of Special Education Classes.

Sponsors a series of environmental education workshops for Special Education teachers. Each workshop has a limited enrollment of 25 and may be taken for one hour of credit.

**PROJECT APOLLO; University Box 3278; Murray State University; Murray, Kentucky 42071
(502) 762-3824**

Contact Person: Director

Populations Served: 1,000 students/staff from existing Upward Bound Programs

Offers both four-day and six-day courses in cooperation with local school programs. Students will be "in the field" away from the comforts of civilization for the entire length of each course. They will use sleeping bags under tarps or tents, as well as prepare their own campsites and meals. Instructors will emphasize an understanding of and sensitivity to the natural world.

Louisiana

LOUISIANA NATURE CENTER; 11000 Lake Forest Boulevard; New Orleans, Louisiana 70127
(504) 241-9606.

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

The Louisiana Nature Center is an educational facility emphasizing the science of nature. Activities include participatory exhibits, nature trails, field trips, school programs, nature classes, and university level courses. The Center's environment is barrier-free and includes one nature trail that is a raised boardwalk and another one adapted for use by the visually impaired; also, a special group of volunteers receives extensive training in educating exceptional persons.

Maine

HURRICANE ISLAND OUTWARD BOUND SCHOOL; Box 429; Rockland, Maine 04841
(207) 594-5548

Contact Person: Director of Adaptive Programs

Populations Served: HS-Adult; serves the HI & SI.

Outward Bound offers a carefully structured educational process that develops the whole person. Engaged in a naturally stressful journey while in the midst of a diverse group of people, individuals learn to work with others - developing teamwork, tolerance, and leadership. Residential sessions last from five to twenty-six days.

Maryland

ALLEGHENY COUNTY OUTDOOR SCHOOL; Western Maryland 4-H Center; Board of Education of Allegheny County; 108 Washington Street; Cumberland, Maryland 21502
(301) 759-2061

Contact Person: Supervisor of High Schools

Populations Served: Grade 6; serves all handicapping conditions with the exception of VI.

During the regular school year Allegheny County offers a residential camping program, emphasizing that nothing taught in the Outdoor School curriculum which can be taught better in the classroom. The Camp has rustic cabins as well as all other traditional camping facilities; activities offered include sports, hiking, classes, and evening skits and programs.

ARLINGTON ECHO OUTDOOR EDUCATION CENTER; 975 Indian Landing Road;
Millersville, Maryland 21108

(301) 987-1330

Contact Person: Coordinator, Outdoor Education

Populations Served: Grades 1-9; serves all handicapping conditions.

The Center is a 24-acre outdoor classroom operated by the Anne Arundel County Board of Education. The Center offers (1) hands-on activities in all curricular areas for children from prekindergarten through grade 12, and (2) teacher training; each outdoor activity is designed to enhance a child's classroom studies. Of the 16,000 children who use the Center annually, 1,200 are considered "Special Population" children; these children use all of the Center's facilities and participate in all of its programs.

LATHROP E. SMITH ENVIRONMENTAL EDUCATION CENTER 5110 Meadowside Lane; Rockville, Maryland 20853

(301) 585-8818

Contact Person: Outdoor Education Coordinator

Populations Served: Grade 6; serves all handicapping conditions.

All sixth graders and many special education students spend a week at one of five outdoor education centers, including the Smith Center. Each center has an outdoor education teacher who assists the school with program planning, orientation, and teaching. Children study about forest communities, insects, pond, stream, local history, and so on.

MEADOWSIDE NATURE CENTER; 5100 Meadowside Lane; Rockville, Maryland 20853

(301) 924-4141

Contact Person: Nature Center Director

Populations Served: K-Adult; serves all handicapping conditions.

The natural history/interpretation/outdoor education program at Meadowside consists of a variety of natural history topics that are adapted to fill visitors' specific needs and/or goals. All nature center programs are available to anyone in the Washington, D.C. metropolitan area free of charge. Programs are offered for both mainstreamed and segregated groups, with programming on a reservation basis to organized groups such as schools, scouts, and camps. All weekend programming is open to the general public year-round.

Massachusetts

CAPE COD MUSEUM OF NATURAL HISTORY; Route 6A, RR #1; Brewster,
Massachusetts 02631
(617) 896-3867

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

The Museum has an outdoor-environmental education program which is carried out in fifteen local schools and individualized within each school to the needs of specific classrooms. Programming has not, however, been designed for students with special needs; but according to the Museum's director, these students have adapted well; moreover, with advanced notice, museum staff can modify programs to accommodate special needs. Program flexibility has been expanded to include after-school classes as well as classes for advanced and gifted students. Field trips are conducted and a nature museum, resource library, and film center are available for use.

Michigan

BATTLECREEK PUBLIC SCHOOLS; Battle Creek, Michigan 49017

Phone number unavailable

Contact Person: Director

Populations Served: Grades 4-5; serves all handicapping conditions.

The Battle Creek Michigan Public Schools own and operate a complete year-round one hundred forty acre outdoor education facility for schools throughout the system. Handicapped students are mainstreamed and facilities provide numerous activities for them.

PROJECT DEEP (DISABLED EXPERIENTIAL EDUCATION PROGRAM) MOTT
CAMPING PROGRAM; 923 East Kearsley; Flint, Michigan 48502
(313) 762-1217

Contact Person: Director

Populations Served: K-Adult; serves the PH, VI, HI & SI.

The purpose of the Flint community's Project DEEP is to help visually, hearing, and physically impaired students by providing high-impact experiences, as well as opportunities for developing daily living skills and for participating in recreation/leisure time activities geared to their (i.e., the students') specific needs.

Minnesota

**CAMP CONFIDENCE; P.O. Box 349; Brainerd, Minnesota 56401
(218) 829-7830**

Contact Person: Program Director

Populations Served: K-Adult; serves the EMH & TMH.

Camp Confidence provides a year-round program of camping, therapeutic recreation, and outdoor education for mentally retarded citizens. Facilities include more than half a mile of lake frontage, cross-country ski trails, winterized cabins, campsites, and one hundred forty acres of wooded land; activities include swimming, boating, tubing, nature studies, fishing, and snowshoeing.

**MINNESOTA OUTWARD BOUND SCHOOL; Box 450; Ely, Minnesota 55731
(218) 368-6761**

Contact Person: Coordinator for Disabled Program

Populations Served: HS-Adult; serves the LD, PH, VI & HI.

A modified program is offered to meet the needs of people with moderate-to-severe disabilities. The course is a shared experience for the disabled and able-bodied alike and is especially appropriate for professionals in physical rehabilitation. Outward Bound offers a carefully structured educational process that develops the whole person: By placing the individual in a diverse group of people, on a naturally stressful journey, individuals learn to work with others developing teamwork, tolerance and leadership.

**LOWRY NATURE CENTER; Box 690, RR #1; Excelsior, Minnesota 55331
(612) 472-4911**

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions with the exception of the VI, SI & HI.

Two-to-four hour sessions are held at facilities that include ski trails, paved bike trails, campsites, lakes, and boardwalks, all of which are accessible to the handicapped.

**RIVER BEND NATURE CENTER; P.O. Box 265; Faribault, Minnesota 55021 •
(507) 332-7151**

**Contact Person: Naturalist/Director of Outdoor Education
Populations Served: K-Adult; serves all handicapping conditions.**

River Bend Nature Center functions in cooperation with Faribault State Hospital. The Center currently operates year-round but it is still new; staff are in the process of developing programs to accommodate all handicapping conditions. Winter season activities are trail oriented.

CAMP COURAGE; 3915 Golden Valley Road; Golden Valley, Minnesota 55422

(612) 588-0811

**Contact Person: Camping Services Director
Populations Served: 7 years-Adult; serves the PH, VI & SI with the exception of the MH & EH.**

Camp Courage provides a wide variety of therapeutic-recreational activities for handicapped campers. Activities include swimming, hiking, fishing, canoeing, sailing, riflery, archery, team sports, and participation in overnight camp outs. The camp program is designed to provide wilderness experiences while allowing campers to develop their own programs. Winterized housing permits year-round usage of the facility, with residential sessions lasting from one weekend up to two weeks.

ENVIRONMENTAL LEARNING CENTER, INC.; Box 191A; Isabella, Minnesota 55607

(218) 323-4345, 323-4785

**Contact Person: Executive Director
Populations Served: K-Adult; serves all handicapping conditions.**

The Center is dedicated to providing opportunities for developing and furthering interests in the natural and physical sciences, ecology, environmental studies, and conservation of natural resources.

VINLAND NATIONAL CENTER; 3675 Ihduhapi Trail; Loretto, Minnesota
55357
(612) 479-3555

Contact Person: Director of Operations
Populations Served: Grade 6-Adult; serves all handicapping
conditions.

Vinland operates year-round with residential sessions lasting
either one week or four-to-eight weeks. Special ski sessions are
available for the visually impaired. Major emphasis is placed on
improving the participants' self-confidence and training through
recreational activities. Leisure - one aspect of the total Vinland
program - provides progressive indoor and outdoor recreational
activities as part of the total rehabilitation process. The program
provides a basic format in which education and training components
can be implemented in home communities; the program also supports
an individual's value assessment, lifestyle, and socialization.

MAPLEWOOD NATURE CENTER; 2659 East 7th Street; Maplewood,
Minnesota 55119
(612) 738-9383

Contact Person: Director
Populations Served: K-Adult; serves all handicapping conditions.

Trails at Maplewood are open to the public every day of the year;
the interpretive center is open Monday through Saturday and is
designed to accommodate wheelchairs. Handicapped children are
mainstreamed as much as possible into all program activities.

WHITNEY H. EASTMAN NATURE CENTER (HENNEPIN COUNTY); 13351 Elm
Creek Road; Osseo, Minnesota 55369
(612) 425-2324

Contact Person: Outdoor Recreation Program Supervisor
Populations Served: K-Adult; serves all handicapping conditions.

Special facilities include a nature center, trails for hiking, and
paved paths for biking; activities include horseback riding, snow
mobiling, cross country skiing, overnight group camping, and swim-
ming. Program objectives are designed to meet the special needs
of the handicapped.

LONG LAKE CONSERVATION CENTER; Palisade, Minnesota 56469
(218) 768-4653

Contact Person: Director

Populations Served: K-Adult; serves the PH, EMH & EH.

Facilities include a nature trail and museum. Handicapped individuals are included as part of the regular program whenever possible.

WILDER FOREST; 14189 Ostlund Trail North; Marine on Saint Croix, Minnesota 55047

(612) 439-4683

Contact Person: Program Director

Populations Served: Grade 1-Adult; serves all handicapping conditions with the exception of the SI.

Wilder Forest serves the Saint Paul area educational, social welfare, health service, and other community agencies through resident camping, day camping, and other year-round outdoor program services, emphasizing environmental awareness and exploration, farming and rural life experience, and group and community building activities.

WESTWOOD HILLS ENVIRONMENTAL EDUCATION CENTER; City of Saint Louis Park; 5005 Minnetonka Boulevard; Saint Louis Park, Minnesota 55416
(612) 920-3000, Ext. 32

Contact Person: Manager/Naturalist

Populations Served: K-Adult; serves the LD, EMH & EH.

The purpose of the Westwood Hills Environmental Education Center is to preserve a natural area for wildlife and to provide an opportunity for people of all ages to learn of their relationship to their environment. Toward this end the program offers an educational center and various nature trails.

THOMAS IRVINE DODGE NATURE CENTER; 1663 Delaware Avenue; Saint Paul, Minnesota 55118
(612) 455-4531

Contact Person: Executive Director

Populations Served: PK-Adult; serves all handicapping conditions with the exception of EH, SI & HI.

The Nature Center operates on a cooperative basis with three school systems that participate in the Center's programs three-to-four times a year. Facilities include an interpretive building, laboratory, museum, greenhouse, apiary, library, and boardwalk.

LEE AND ROSE WARNER NATURE CENTER; c/o The Science Museum of Minnesota; 30 East 10th Street; Saint Paul, Minnesota 55101
(612) 433-2427

Contact Person: Director

Populations Served: K-Adult; serves the EMH & TMH.

The Nature Center offers year-round day and residential sessions for all ages. The site and facilities include a central building with several classrooms, a nature center with various museum-type displays, two and one half miles of trails, and other types of outdoor shelters.

THISTLEDEW CAMP; Box W-10; Togo, Minnesota 55788
(218) 376-4411

Contact Person: Superintendent

Populations Served: Grades 7-12; serves the LD & EH.

Thistledew is a unique educational facility which offers a three-month voluntary program designed to build confidence in young boys between 14 and 17 years of age. The camp is intended to serve as a delinquency prevention resource for the less sophisticated boy who has experienced failure in the home, school, and community. The main goal at Thistledew is to involve the boys in as many positive experiences as possible during their stay at camp. About one-third of the time is devoted to Challenge, an outdoor wilderness survival program similar to Outward Bound.

Missouri

THE JACOB L. BABLER OUTDOOR EDUCATION CENTER FOR THE HANDICAPPED;
RR #1, Box 468; Chesterfield, Missouri 63017
(314) 458-3048

Contact Person: Camp Administrator

Populations Served: K-Adult; serves all handicapping conditions.

The Center provides horseback riding, hiking, fishing, camping, crafts, and archery programs modified for special needs and is suitable for year-round use. Campers also have access to the state park's nature center and museum, swimming pool, trails, playground, picnic area, and courts.

ST LOUIS ASSOCIATION FOR RETARDED CITIZENS; 1240 Dantel Lane;
Creve Coeur, Missouri 63141
(314) 569-2211

Contact Person: Director of Camping and Recreation

Populations Served: K-Adult; serves all handicapping conditions with the exception of VI, HI & SI.

The Association operates five day camps during the summer so that handicapped children in the St. Louis area can have a positive camping experience. Numerous day and residential sessions are available, with activities ranging through a variety of sports and classes.

CAMP BLUE SKY; 1240 Dautel Lane; St. Louis, Missouri 63141
(314) 569-2211

Contact Person: Coordinator

Populations Served: Grade 1-Adult; serves the EMH & TMH.

Comprises three components: Blue Sky for children 8-17, Adult Leisure Outdoor Education for adults 18 and over, and a program for adults 18 and over currently employed competitively or in a workshop. All these programs are residential. Adventure Bound is a high-adventure activity program that runs year-round during the fall, winter, and spring. The program takes place one weekend each month with different skills and high-adventure activities offered. The winter program culminates with a two-week multi-adventure trip.

STREAM (St. Louis Regional Experiential Adventure Movement);
470 East Lockwood; Webster Groves, Missouri 63119
(314) 968-9203

Contact Person: Director

Populations Served: Grade 1-Adult; serves EH.

STREAM is a nonprofit educational organization dedicated to the philosophy that a shared outdoor adventure can do much to enhance a student's self-concept, contribute to improved social interaction, and emphasize a greater environmental awareness. STREAM offers a variety of programs and educational curricula. Outdoor adventures include camping, backpacking, canoeing, rock climbing and rappelling, caving, and environmental studies. STREAM also acts as a consultant for students and teachers interested in developing outdoor experiential adventure programs.

Nebraska

NEBRASKA OUTDOOR ENCOUNTER; P.O. Box 94994; 308 Sharp Building;
Lincoln, Nebraska 68509
(402) 474-3383

Contact Person: Handicap Program Director

Populations Served: Grade 6-Adult; serves MH, SI, H., VI, PH & LD.

Since May 1978, Nebraska Outdoor Encounter has conducted trips for developmentally disabled adults. Trips involve cross country skiing in the winter, as well as backpacking; rafting in the summer; handicapped individuals are integrated with the nonhandicapped. Three day overnight sessions are available.

UNITED CEREBRAL PALSY OF NEBRASKA; 1600 North 56th Street;
Lincoln, Nebraska 68504
(402) 466-8302

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

The Center works cooperatively with the Nebraska Outdoor Encounter program. Handicapped individuals in this program may participate in basketball, track and field, backpacking, canoeing, mountain climbing, and cross country skiing. Educators and professional staff accompany participants on all outings and sports events.

New Hampshire

CAMP ALLEN, INC.; RFD #5; Bedford, New Hampshire 03102
(603) 622-8471

Contact Person: Administrator

Populations Served: K-Adult; serves all handicapping conditions.

This specialized summer program accommodates sixty physically and developmentally disabled campers. Emphasis is placed on outdoor group-living experiences which allow individual interests to be pursued. The program also provides opportunities for a variety of year-round special events and activities for campers.

SARGENT CAMP; RFD #2; Special Needs Programs; Boston University;
Peterborough, New Hampshire 03458
(617) 353-3202

Contact Person: Coordinator

Populations Served: Grades 1-12; serves all handicapping conditions.

Residential programs in outdoor education provide an excellent opportunity for individual growth and for development of socialization skills. Programs utilize adventure education to develop problem-solving skills, as well as to strengthen self-concepts. Programs are individually tailored to meet the specific needs of a group; periodic workshops are also offered for individuals involved with special populations.

New Jersey

LORD STIRLING PARK, ENVIRONMENTAL EDUCATION CENTER; 190 Lord
Stirling Road; Basking Ridge, New Jersey 07920
(201) 766-5955

Contact Person: Chief Naturalist

Populations Served: K-Adult; serves the PH.

Facility includes an interpretive center, agriculture unit, and special-use trails for the handicapped. Day sessions last one-to-two hours.

NEW JERSEY SCHOOL OF CONSERVATION; Box 272, Route 2; Branchville,
New Jersey 07286
(201) 948-4646

Contact Person: Director

Populations Served: Grade 3-Adult; serves all handicapping conditions.

The New Jersey School of Conservation has developed Action Socialization Experiences-modified Outward Bound initiative tests-to be used as an introduction to group problem solving. One camp-site is totally accessible by the handicapped and offers residential sessions lasting from two and one-half days up to one week.

FLAT ROCK BROOK NATURE ASSOCIATION; P.O. Box 571; Englewood,
New Jersey 07631
(201) 567-1800

Contact Person: Director

Populations Served: K-Adult; serves the PH, EMH, VI & HI.

The program is organized to promote an awareness and appreciation of one's self, with field trips available for all groups. Facilities include a nature center, solar and interpretive building, trails, and a forest.

NEW JERSEY MARINE SCIENCES CONSORTIUM; Building 22, Fort Hancock,
New Jersey 07732
(201) 872-1300

Contact Person: Biologist

Populations Served: K-Adult; serves the PH, EMH, HI & SI.

The Consortium offers a wide variety of water-oriented courses for all ages. All courses concern the sea and its use as a classroom. The handicapped are mainstreamed in all program areas.

SANDY HOOK UNIT GATEWAY NRA; National Park Service; P.O. Box 437;
Highlands, New Jersey 07732
(201) 872-0115

Contact Person: Chief Interpreter

Populations Served: Grade 1-Adult; serves the PH.

An objective of Gateway NRA is "To provide access, facilities and programs for the entire visiting public, including the physically handicapped, older citizens, and people lacking average mobility and financial resources." To date, this has been implemented via special parking places, ramp access to trailers with restrooms, and changing space for ocean beach recreation; interpretive services for the handicapped (physical and mental); interpretive scripts and publications for the hearing impaired, and ranger escort by advance appointment for the sight impaired.

PROJECT USE (Urban Suburban Environments); P.O. Box 3315; Long
Branch, New Jersey 07740
(201) 870-6650

Contact Person: Program Director

Populations Served: Secondary; serves LD, PH, EH, SI & HI.

Program is operated year-round, with three-day wilderness-experience courses conducted for hearing impaired students; longer courses resemble the Outward Bound philosophy. Day courses offer immediate challenging physical and emotional experiences. Minimal mainstreaming and programs for the physically handicapped are available.

ESSEX COUNTY, CENTER FOR ENVIRONMENTAL STUDIES; 621 Eagle Rock
Avenue; Roseland, New Jersey 07068
(201) 228-2210

Contact Person: Environmental Center Manager

Populations Served: K-Adult; serves all handicapping conditions.

Facilities include self-guided trails, dinosaur quarry, displays, geology museum, bee hive, greenhouse, library, and picnic area; activities include interpretive canoeing and crafts. Environmental education programs are available year-round at the Center and in local schools.

TENAFLY NATURE CENTER; 313 Hudson Avenue; Tenafly, New Jersey 07670
(201) 568-6093

Contact Person: Director

Populations Served: K-8; serves LD, EMH & EH.

Facilities include trails, ponds, and exhibit building with live animals. Handicapped children are mainstreamed for events and supervised by adults with special training.

BERGEN COUNTY COMMISSION; Wildlife Center; Crescent Avenue;
Wyckoff, New Jersey 07481
(201) 891-5571

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Facilities include a nature-center building, with classrooms and displays; marked nature trails; animal shelters; garden areas; and picnic areas. Organizations and hospitals take individual groups with specific problems to the Center where each program activity is geared toward specific handicapping conditions.

New Mexico

SANTA FE MOUNTAIN CENTER; 615 Washington Avenue; Santa Fe, New Mexico 87503
(505) 983-6158

Contact Person: Director

Populations Served: Grade 9-Adult; serves the PH, EMH, LD, EH & juvenile offenders.

The program is fashioned after, and adapted from that of Outward Bound Schools and is based on the philosophy that most people's self-imposed limitations are greater than their real limitations. Challenging wilderness-adventure courses are offered as a means of encouraging participants' self-esteem, self-awareness, responsibility, and acceptance of others. Sessions last one-to-seventeen days.

New York

BEAVER LAKE NATURE CENTER; 8477 East Mud Lake Road; Baldwinsville,
New York 13027
(315) 638-2519

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

The Center offers day and overnight programs. Facilities include a visitor center with an exhibit hall and auditorium, more than ten miles of hiking trails and cross-country ski slopes.

CENTERS FOR NATURE EDUCATION; 60 Oswego Street; Baldwinsville,
New York 13027
(315) 635-9005

Contact Person: Program Coordinator

Populations Served: K-Adult; serves all handicapping conditions.

Organized through the school system in the Baldwinsville community, this outdoor education project is cosponsored by the Centers for Nature Education, Inc. This project is directed toward working with teachers to design programs.

TIFFT FARM, INC.; 1306 Rand Building; Department of Community
Development; Buffalo, New York 14203
(716) 826-0544

Contact Person: Senior Environmental Educator

Populations Served: K-Adult; serves all handicapping conditions.

Facilities include a nature center, trails, city and country parks, and school sites. In the past year, a special two-year program was designed for working with emotionally and physically handicapped individuals.

CORTLAND-MADISON BOARD OF COOPERATIVE EDUCATIONAL SERVICES;
Cortland, New York 13045
(607)753-9301, Ext. 270

Contact Person: Director of Project Adventure

Populations Served: K-Adult; serves all handicapping conditions.

Special education students are mainstreamed when and where appropriate. Many program activities are designed for education classes. Cortland provides camping opportunities, the use of trails, and nature courses.

FIVE RIVERS ENVIRONMENTAL EDUCATION CENTER; Fame Farm Road; Delmar,
New York 12054
(518) 457-6092

Contact Person: Education Assistant

Populations Served: K-Adult; serves all handicapping conditions
with the exception of SI & HI.

Facilities offer a nature center, trails, cross country ski slopes,
an indoor classroom, teaching pavilions, and an amphitheater. The
Center provides people of all ages with an outdoor learning experience
to increase their awareness, appreciation, and knowledge of the en-
vironment. Special programming is not created for the special
students because the Center's aim is to make the present programming
accessible to all.

QUEEN BOTANICAL GARDEN; 43-50 Main Street; Flushing, New York 11355
(212) 886-3800

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

Program in the garden works cooperatively with the New York City
Board of Education. Present programs include outdoor discovery
experiences which incorporate sensory activities rather than rely
on the traditional "guided tour."

GREAT NECK SCHOOLS OUTDOOR EDUCATION CENTER; Phipps Administration
Building; 345 Lakeville Road; Great Neck, New York 11020
(516) 482-8650

Contact Person: Coordinator

Populations Served: Grades 1-9; serves LD & PH.

Program offers (1) day tours of a 110-acre forest, a pond, and a
meadow site; (2) a marine program utilizing a 58-acre salt marsh on
Long Island Sound with the school's research vessel; and (3) a
residential program at an upstate site for a week.

GREENKILL OUTDOOR ENVIRONMENTAL EDUCATION CENTER; Big Pond Road;
Hugenot, New York 12746
(914) 856-4316

Contact Person: Director

Populations Served: Grade 1-Adult; serves LD, EH, VI & SI.

Operated by the YMCA-YWCA, the Center offers an interdisciplinary approach to education that allows students to improve in all subject areas. Atmosphere encourages cooperation among students, who learn that working with each other and the environment promotes well-being for everyone. Students participate in dozens of activities, scheduled jointly by their teachers and Greenkill's professional staff. On request, staff will develop new programs designed to meet individual school's needs.

THE CAYUGA NATURE CENTER; 1420 Taughannock Boulevard; Ithaca,
New York 14880
(607) 273-6260

Contact Person: Director

Populations Served: Grade 1-Adult; serves LD, EMH, PH, EH, VI, HI & SI.

Center provides an environmental, outdoor education, natural history, and recreational program for people of all ages in Tompkins County and surrounding areas. Also offers a retreat center with overnight facilities and provides a relaxed and warm atmosphere at a reasonable price. Day, overnight, and extended overnight visits are available. Staff provides many outdoor programs at the school site, with outdoor education programs tailored to meet the needs of those who request them.

HIGHER HORIZONS; P.O. Box 340; Johnstown, New York 12095
(518) 762-4809

Contact Person: Director

Populations Served: Grades 6-12; serves the LD, EMH & EH.

Higher Horizons is an adaptive Outward Bound program lasting from one to thirty-eight days. This program provides an alternative treatment modality for delinquent youth in the custody of the New York State Division for Youth. The basic program is characterized by (1) a high level of physical activity, (2) the intentional use of stress, (3) environmental contrast, (4) small group context, and (5) the immediate utilization of newly acquired knowledge and skills.

BOCES OUTDOOR EDUCATION PROGRAM offered in cooperation with **SCOPE OUTDOOR LEARNING LABORATORIES**; P.O. Box 186; Kings Park, New York 11754

(516) 269-4343

Contact Person: Director

Populations Served: Age 4-Adult; serves all handicapping conditions.

Program provides opportunities for classroom teachers and students to explore and experience the advantages of outdoor learning through an environmental approach to instructional disciplines. Emphasizes multisensory firsthand observations and experiences that make learning enjoyable, concrete, and immediately reinforcing. Services individuals from public and private schools and institutions throughout Long Island with physical, mental, and/or emotional handicapping conditions. Specialized outdoor education curricula have been designed and field tested for each handicapping condition.

OUTDOOR LEARNING LABORATORY AT SUNKEN MEADOW; P.O. Box 186; Kings Park, New York 11754

(516) 269-4343

Contact Person: Director, Outdoor Learning Laboratory

Populations Served: K-Adult; serves all handicapping conditions.

Now in its third year, the Outdoor Learning Program for children with handicapping conditions is expanding programming to serve the needs of an increasing number of special education teachers and students. The program provides opportunities for special education teachers and students to explore and experience the advantages of outdoor learning through an environmental approach to instructional disciplines. Residential sessions last five days.

ANCHOR (ANSWERING THE NEEDS OF CHILDREN WITH HANDICAPS THROUGH ORGANIZED RECREATION); 630 Lido Boulevard; Lido Beach, New York 11561

(516) 431-3900, Ext. 217

Contact Person: Coordinator of ANCHOR

Populations Served: K-Adult; serves all handicapping conditions.

This program has been designed to provide year-round recreational opportunities for all handicapped and nonhandicapped individuals. Building and grounds have been designed for full accessibility by eliminating all architectural barriers that make it difficult for the handicapped to participate in many recreation programs. The Center is planned to handle a peak load of seven hundred fifty handicapped persons at any one time.

CAUMSETT STATE PARK; Lloyd Harbor, New York 11743
(516) 549-0086

Contact Person: Resident Director

Populations Served: K-Adult; serves all handicapping conditions.

Facility includes nature center, trails, pond, seashore, salt marsh, field, forest, and historical buildings. Handicapped students are mainstreamed into all program areas.

THE NEW YORK BOTANICAL GARDEN CARY ARBORETUM; Box AB; Millbrook,
New York 12545
(914) 677-5358

Contact Person: Coordinator of Education

Populations Served: K-Adult; serves the LD, PH & EH.

The Arboretum has a major commitment to education at all levels. Three nature trails have been developed to provide diverse nature walks for all ages. Handicapped individuals may participate in all programs designed for the public and for use in educational facilities.

WINDING HILLS PARK NATURE CENTER; Road 3, Route 416; Montgomery,
New York 12549
(914) 457-3111

Contact Person: Interpretive Naturalist

Populations Served: K-Adult; serves all handicapping conditions with the exception of the EH.

Facilities are available for camping, fishing, skating, skiing, and picnicking. The Center also has a nature center and trails. A relatively level eight-foot-wide trail has been designed for the handicapped and is easily accessible from the parking area.

FRESH AIR FUND OUTDOOR EDUCATION FOR THE HANDICAPPED CHILDREN;
300 West 43rd Street; New York City, New York 10036
(212) 586-0200

Contact Person: Director

Populations Served: Grades 8-12; serves all handicapping conditions.

The Program operates as a children's camp during the summer and as an environmental center for school groups from September to June. Facilities include a nature center, planetarium, three thousand acres, ponds, and trails. Residential sessions last eighteen days.

BEAVER MEADOW ENVIRONMENTAL EDUCATION CENTER; 1610 Welch Road;
North Java, New York 14113
(716) 457-3228

Contact Person: Naturalist-Director

Populations Served: K-Adult; serves the PH, EMH, EH & VI.

Beaver Meadow has a year-round program. Facilities include a trail accessible to the blind and physically handicapped, an observatory, a visitor center with live animal displays, and nature displays.

FROST VALLEY ENVIRONMENTAL EDUCATION CENTER; Frost Valley Road;
Olivera, New York 12462
(914) 985-7400

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

The Center operates as a year-round residential facility with sessions lasting three-to-five days. The Center has a nine-member teaching staff and facilities that include a library, resource buildings, and five hundred trails. A resident environmental education experience is incorporated into the school curriculum. Residential sessions last three-to-five days.

NORTH SHORE SCIENCE MUSEUM; 1526 Plandome Road; Plandome Manor,
New York 11030
(516) 627-9400

Contact Person: Administrative Director

Populations Served: K-Adult; serves all handicapping conditions.

The North Shore Science Museum is a science activity center chartered by the New York State Board of Regents. Facilities include indoor laboratories, a museum, and a nature trail designed for handicapped students.

CORTLAND COLLEGE OUTDOOR EDUCATIONAL CENTER; State University of New
York at Cortland College; Raquette Lake, New York 13436
(315) 354-4784

Contact Person: Director of Outdoor Education

Populations Served: K-Adult; serves the LD, EMH, EH & TMH.

The Center works primarily with residents of state developmental centers for mentally impaired and emotionally disturbed individuals. Sessions last three days to three weeks, generally averaging seven days. Facilities include nature trails, hiking trails, a laboratory, and classrooms.

OUTDOOR EXPERIENTIAL EDUCATION FOR THE HEARING IMPAIRED; National Technical Institute for the Deaf; Rochester Institute of Technology; 1 Lomb Memorial Drive; Rochester, New York 14623 (716) 475-6805

**Contact Person: Coordinator Outdoor Experiential Education Program
Populations Served: K-Adult; serves the LD, PH, VI, HI & SI.**

The Institute offers a highly diverse program, with sessions lasting two hours to thirty days. There are one thousand hearing impaired students in a total population of seven thousand college students. Facilities include nature trails, swamps, and woods.

ENVIRONMENTAL CENTERS OF SETAUKET-SMITHTOWN, INC.; P.O. Box 88 East; Setauket, New York 11733 (516) 979-6344

**Contact Person: Director
Populations Served: K-Adult; serves the EMH.**

Program has just started to serve handicapped children; classes are segregated by ability. Centers feature nature trails, live animals, demonstration of bee hives, and arts and crafts.

ROGERS ENVIRONMENTAL EDUCATION CENTER; Box Q; Sherburne, New York 13460 (607) 674-2861

**Contact Person: Senior Conservation Educator
Populations Served: K-Adult; serves all handicapping conditions.**

Residential sessions last two-to-five days. The Center features demonstrations and has facilities that include trails, classrooms, exhibit rooms, and ponds. Many schools, special homes, or programs for the handicapped are served by the Center.

BOCES OUTDOOR EDUCATION PROGRAM offered in cooperation with **SCOPE OUTDOOR LEARNING LABORATORIES**; P.O. Box 604; Smithtown, New York 11787

(516) 360-3652

Contact Person: Director

Populations Served: Grade 1-Adult; serves LD, EMH, PH, MH, EH, VI & HI.

Provides opportunities for classroom teachers and their students to explore and experience the advantages of outdoor learning with an environmental approach to instructional disciplines. Laboratory facilities serve as operation centers and contain curricular materials and field equipment. Classes visit the laboratories for on-site instruction for a total of five days scheduled throughout the school year. Residential programs are also available in which the students and their teachers live and learn in an outdoor setting for five days and four nights. During this time, the children are provided the opportunity to develop a certain amount of independence and self-reliance in assuming responsibility for their own well-being.

STAR LAKE CAMPUS; Star Lake, New York 13690

(315) 268-4980

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions with the exception of VI, SI & HI.

Star Lake Campus is a satellite campus of the Potsdam College of Arts and Sciences. One of its functions is providing an outdoor education center for a variety of populations including students from area public schools. Residential sessions are available from two days to two weeks. Facilities include nature walks, hiking trails, cross country ski trail, ski slope, beach area, lodge and housing.

STONY KILL FARM ENVIRONMENTAL EDUCATION CENTER; New York State
Department of Environmental Conservation; Route 9D; Wappingers
Falls, New York 12590
(914) 831-8780

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Students go to the Center from other services and special-care facilities for environmental education classes. Facilities include a wheelchair-ramped visitor center with exhibit-conference room; library; barn complex with livestock; greenhouse; four-mile hiking, cross country, and snowshoeing trails, through natural habitats and cultivated fields.

NASSAU COUNTY BOCES; Valentre and Plains Road; Westbury, New
York 11690
(516) 997-8700

Contact Person: Administrator

Populations Served: K-Adult; serves all handicapping conditions.

The purpose of the BOCES Outdoor and Environmental Education Program is to encourage use of the out-of-doors for learning. One of the main goals has always been to help teachers and administrators develop a sensitivity to the environment and its fragile resources through action-oriented programs. Currently BOCES is one of the largest outdoor and environmental education programs in the country serving public education.

POK-O-MOONSHINE OUTDOOR EDUCATION CENTER; Long Pond; Willboro,
New York 12996
(518) 963-7967

Contact Person: Director

Populations Served: K-Adult; serves the LD, EH & PH.

This program provides an overall camping experience for the handicapped and nonhandicapped. Residential sessions last three-to-five days. Facilities include a nature trail which is accessible for the blind, a confidence course, a sensory trail, and an "1812 Homestead" model.

WALDEN IN THE WOODS, BOCES; Pinesbridge Road; Yorktown Heights,
New York 10598
(914) 245-2700

Contact Person: Teacher Director

Populations Served: Grades 7-12; serves the LD & EH.

A full-time outdoor education program for emotionally handicapped students. The goal is not to make environmentalists or forest rangers out of the students but to provide them with a program in which they will meet with multiple successes in the academic, social, emotional, and vocational areas. A unique maple sugaring operation tracing the history of mapling from Indian to modern times is operated by the students. The students' self-concept is developed through opportunities to act as guides for visiting school classes.

North Carolina

CHARLOTTE-MECKLENBURG SCHOOLS; Science Office; 428 West Boulevard;
Charlotte, North Carolina 28203
(704) 376-0122

Contact Person: Science Curriculum Specialist

Populations Served: K-Adult; serves the LD, SI & HI.

The Charlotte-Mecklenburg outdoor education camping program, Camp Discovery, is primarily for sixth grade students. Students spend two and a half days in the outdoors learning firsthand about the natural environment, with emphasis placed on application of skills learned in the outdoor program to all facets of classroom learning.

SUPPLEMENTARY EDUCATIONAL CENTER; 1636 Parkview Circle; Salisbury,
North Carolina 28144
(704) 636-3462

Contact Person: Director

Populations Served: K-Adult; serves the LD & EMH.

Local school classes visit the Center, which provides nature trails, a small live animal exhibit area, an old one-room log schoolhouse for programs relating to history of local schools, guided historical tours offered in city and county areas, a planetarium, and an art gallery. Handicapped students are mainstreamed.

Ohio

CAMP NUHOP; 1272 Center Street; Ashland, Ohio .44805
(419) 938-7151

Contact Person: Director

Populations Served: Ages 6-16; serves the LD.

A residential summer program for youth who manifest a learning disability and/or behavior disorder. Provides an individualized program and a thorough written evaluation for each camper. Uses the principles of Transactional Analysis to enhance a positive self-concept and provides a means to express personal feelings; applies the techniques of behavior management to deal with various behaviors. Promotes parent involvement through precamp conferences, award picnics, and postcamp activities.

STEPPING STONES CENTER FOR THE HANDICAPPED; 5650 Given Road;
Cincinnati, Ohio 45234
(513) 831-4660

Contact Person: Associate Director

Populations Served: K-Adult; serves all handicapping conditions.

Stepping Stone is a coeducational camp for handicapped children and adults. Campers range in age from three months to ninety or more years. The goal is to expose the handicapped individual to a variety of activities and skills that will increase knowledge and awareness, stimulate creativity and sensitivity, and promote independence and socialization.

BARNEBEY CENTER FOR ENVIRONMENTAL STUDIES; School of Natural Resources; Ohio State University; 2120 Fyffe Road; Columbus, Ohio 43210
(614) 422-5589

Contact Person: Director

Populations Served: K-Adult; serves LD, EMH, TMH, SI & HI.

A field laboratory administered by the Ohio State University School of Natural Resources. This Center serves the SNR as a field lab, with classes from the four SNR Divisions (Environmental Education, Fisheries & Wildlife Management, Forestry, and Parks & Recreation) utilizing the Center for field trips and resident instruction. The Center is also available for use by environmentally oriented nonuniversity groups.

OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF PARKS AND RECREATION; Fountain Square; Columbus, Ohio 43224
(614) 265-6556

Contact Person: Therapeutic Program Coordinator

Populations Served: K-Adult; serves all handicapping conditions.

A wide variety of special events held in Ohio's state parks present opportunities for participation by persons with many diversified abilities. Facilities in state park lodges, campgrounds, picnic areas, beaches, and some trails are accessible by wheelchair. Discounts on fees and charges in state parks are available to "Golden Buckeye Card" holders who are either 65 years of age or older, or Ohioans who are totally and permanently disabled.

AULLWOOD CENTER AND FARM; c/o Paul E. Knoop, Jr., Program Director; 1000 Aullwood Road; Dayton, Ohio 45414
(513) 890-7360

Contact Person: Education Director

Populations Served: K-Adult; serves all handicapping conditions.

The Aullwood Audubon Center and Farm is one of five Audubon Centers owned and operated by the National Audubon Society. Aullwood cooperates with colleges, school systems, community groups, and Audubon chapters in presenting workshops and courses. The purpose is to share various ways of developing and implementing environmental education programs. Ramps for wheelchairs are available and rest-rooms are designed for the handicapped.

GARDEN FOR THE SENSES; Handicapped Student Services; Wright State University; Dayton, Ohio 45435
(513) 873-2140

Contact Person: Director

Populations Served: All age levels; serves all handicapping conditions.

Represented by three gardens, namely sun, shade, and wildlife, that are designed to be accessible to all people, regardless of handicapping conditions. Offers barrier-free pathways, accessible parking, and raised garden beds that enable individuals to view them without bending over. Other features of the gardens include recorded messages and clear signs describing the surroundings.

MOHICAN SCHOOL IN THE OUT-OF-DOORS; Route 2, Box 287; Loudonville,
Ohio 44842
(419) 994-3201

Contact Person: Project Director

Populations Served: Grades 1-6; serves LD, PH MH & HI.

Serves many special education students who are mostly mainstreamed into "regular" elementary-age groups. Per request, one or two classes are segregated for severely multiple handicapped individuals; these classes are kept smaller for more individualized attention.

Oregon

WASHINGTON COUNTY EDUCATIONAL SERVICE DISTRICT; 17705 NW Spring-
ville Road; Beaverton, Oregon 97229
(503) 645-4242

Contact Person: Coordinator of Outdoor Education Program

Populations Served: Grades 6-12; serves all handicapping conditions.

Sixth grade students attend one-week residential outdoor school program during the fall and spring of each year. Program activities vary depending on each site, but generally cover such concepts as soil, water, plants, animals, and atmosphere. Handicapped students are mainstreamed into all program activities.

UPWARD BOUND RECREATIONAL CAMP FOR THE HANDICAPPED, INC.; P.O. Box
769; Cascadia, Oregon 97329
(503) 897-2447

Contact Person: Director

Populations Served: Grades 7-9 & Adults; serves multiple handicapped and TMH.

Provides recreational and educational camp experience, with emphasis on leisure activities, camping, self-discovery, and social development for adult handicapped persons. Summer weekly sessions are conducted; year-round respite service is available; and campsite is available for groups wishing to either conduct their own program or use facility for conferences or workshops (rental basis). Camp is self-supported through camper fees, memberships, and private donations.

JOHN INSKEEP ENVIRONMENTAL LEARNING CENTER; Clackamas Community College; 19600 South Mollalla Avenue; Oregon City, Oregon 97045 (503) 656-2631

Contact Person: Education Coordinator

Populations Served: K-Adult; serves all handicapping conditions.

The Center is a day-use center that has been designed for use by many local organizations and educational groups. The Center's facilities include a pavilion for outdoor studies and displays, as well as meeting spaces for local groups and organizations. The Center's construction was made possible by donations of labor and material as well as by operational support from the adjacent community college.

MT. HOOD KIWANIS CAMP FOR HANDICAPPED PERSONS; Portland State University; Special Education Department; P.O. Box 751; Portland, Oregon 97207 (503) 229-4632

Contact Person: Program Coordinator

Populations Served: Ages 9-18; serves all handicapping conditions.

The Kiwanis Camp is an eight-week summer camping program for all handicapped children and youth in Oregon and southwest Washington. Future plans for the camp include a year-round outdoor education program exclusively designed for all handicapping conditions, construction of new facilities to include a dining hall, cabin cluster, outdoor classrooms, and study areas, as well as several miles of trails and recreation areas. The summer camping program is operated jointly by approximately forty local Kiwanis Club groups and the Special Education Department of Portland State University.

MULTNOMAH COUNTY E.S.D. OUTDOOR EDUCATION PROGRAM; 220 SE 102nd Avenue; Portland, Oregon 97216 (503) 255-1841

Contact Person: Coordinator Outdoor Education Program

Populations Served: Grades 6-12; serves all handicapping conditions.

This program is open to the twelve constituent school districts within Multnomah County. Students are taken from the classroom to be outdoors for studying those things that are best studied outdoors-plants, animals, soil, and water. The program offers sixth-grade classes and special education groups an opportunity to spend a week in the outdoor classroom, learning about natural science and the conservation of natural resources.

PROJECT RANGER; 5103 North Willis Boulevard; Portland, Oregon 97203
(503) 289-7528

Contact Person: Director

Populations Served: HS; serves disruptive students.

Project Ranger is designed to improve school behavior and academic performance of selected students who are not experiencing success in the traditional school program. Project staff have developed and tested a series of stressful outdoor adventure activities to promote interaction, cooperation, and communication among the students.

MARION COUNTY WILDERNESS CHALLENGE; 3030 Center Street; Salem, Oregon 97301

(503) 588-5334

Contact Person: Director

Populations Served: Grades 7-12; serves the LD, EH & juvenile delinquents.

Administered by and for the Marion County Juvenile Court, the purposes of this adapted Outward Bound, wilderness, stress challenge program for juvenile offenders are (1) institutional diversion; (2) increased self-esteem; (3) improved social skills; and (4) greater responsibility for behavior, decisions, and direction in life. Throughout the 23-day courses delinquent behavior is confronted while trust, cooperation, and success are initiated within the 10-person group; aftercare may involve separate support groups for students and parents, group homes, and/or other court programs.

Pennsylvania

SEBASTIAN RIDING ASSOCIATES, INC.; 3589 B Water Street;
Collegeville, Pennsylvania 19426
(215) 489-3741

Contact Person: Riding Director

Populations Served: Elementary-Adult; serves all handicapping conditions.

Sebastian Riding Associates, Inc. is a nonprofit horseback riding program for the handicapped. Students with a wide variety of disabilities such as orthopedic conditions, congenital disorders, deaf, blind, mentally handicapped, learning disabled, and emotionally disturbed are given the opportunity to ride. Students have the opportunity to improve balance and coordination, develop self-confidence and self-esteem, master a new skill, and enjoy themselves. Exercises and games on horseback, as well as occasional trail rides and instruction of horse and stable care, are a major part of the riding program.

POCONO ENVIRONMENTAL EDUCATION CENTER; RD #1, Box 268; Dingman's Ferry, Pennsylvania 18328
(215) 482-73-0

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

A regional environmental study center, the Center serves as a field laboratory for study in science and other disciplines and as an invaluable site for meetings or other activities of youth organizations (e.g., the Boy Scouts and 4-H Clubs). Available to these groups are ski touring, canoeing, ice skating, and numerous other activities. The Center also provides programs for groups of handicapped persons, primarily the visually impaired; a Braille Trail may be used by all clientele, enabling exploration of the environment without using the sense of sight.

**THERAPEUTIC RECREATION DEPARTMENT; Elizabethtown Hospital for Children and Youth; Elizabethtown, Pennsylvania 17022.
(717) 367-1161**

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Elizabethtown Hospital serves a widely varied population of children, youth, and adults with widely varied abilities/disabilities. The outdoor recreation program consists primarily of gardening, archery, frisbee, golf, horseback riding, aquatics, overnight campouts (on-grounds), cookouts, and some miscellaneous activities (e.g., visits to museums featuring national history, nature crafts). The average length of stay for clients is approximately 19 days.

**CHURCH COUNCIL FOR THE EXCEPTIONAL PERSON; 250 Tanglewood Road; King of Prussia, Pennsylvania 19406
(215) 337-2390**

Contact Person: Executive Director

Populations Served: HS-Adult; serves all handicapping conditions.

The program provides four, two-week sessions focusing on challenging outdoor activities, with residential sessions lasting from ten-to-fourteen days. Presently, campers can select from opportunities such as backpacking and hiking, canoeing, sailing, and beach camping. Handicapped individuals are mainstreamed.

**SCHUYLKILL VALLEY NATURE CENTER; 8480 Hagy's Mill Road; Philadelphia, Pennsylvania 19128
(215) 482-7300**

Contact Person: Executive Director

Populations Served: K-Adult; serves all handicapping conditions.

Programs given by SVNC focus on the Philadelphia area ecology and include teacher-naturalist training, graduate courses in environmental education, and special school-classes and programs for special populations. Facilities include a nature center and museum.

**BOYCE PARK; 675 Frankstown Road; Pittsburgh, Pennsylvania 15239
(412) 327-0338**

Contact Person: Manager-Recreation

Populations Served: K-Adult; serves the LD, EMH, EH & VI.

The Park offers a nature day camp for the handicapped. Facilities include a sensory trail, horse trails, hiking trails, picnic area groves, tennis courts, and cross country skiing areas.

South Dakota

**BEAVER CREEK NATURE AREA; Palisades State Park; RR #2, Box 244;
Garretson, South Dakota 57030
(605) 582-6370, 594-3824**

Contact Person: Chief Naturalist

Populations Served: K-Adult; serves the VI, HI & PH.

Beaver Creek offers nature trails, homesteader's cabins, interpretive shelter, picnic area, and a maintenance shop for inclement weather. The area was developed to increase its visitors' environmental awareness. Access to much of the Park is by foot trails only; naturalists are on duty to conduct guided tours.

Tennessee

**OUTDOOR ENVIRONMENTAL EDUCATION DEPARTMENT; Nashville Metropolitan Schools; 500 Twentieth Avenue North, Nashville, Tennessee 37203
(615) 320-1082**

Contact Person: Coordinator

Populations Served: K-6; serves the LD, SI, HI, VI & EMH.

Special education students are mainstreamed into regular outdoor education programs and their teachers may request to be included in any program available.

Texas

NEW MOON WILDERNESS PROGRAM; 1430 Collier; Austin, Texas 78704
(512) 443-8797

Contact Person: Program Manager
Populations Served: Grades 7-12.

New Moon Wilderness Program is a year-round group treatment program for youth eleven to fifteen years of age. The program provides intensive group and individual therapy in an outdoor setting for teenagers with backgrounds of physical abuse and neglect, acting out aggressive behavior, ineffective social skills, low self-esteem, and/or unrealized learning potential. A major purpose of the program is to prevent youth from placement in more restrictive and costly alternative situations such as residential treatment.

Utah

THE CARL SANDBURG ENVIRONMENTAL EDUCATION PROGRAM; 3900 South/
5325 West; Kearnes, Utah 84118
(801) 969-9875

Contact Person: Principal
Populations Served: K-6; serves all handicapping conditions with the exception of PH.

The Carl Sandburg Approach to Environmental Education is a program that was started by more than ninety teachers and parents in the Salt Lake City area. The program offers all elementary students a one-day field trip to the outdoors where a variety of experiences and environments are explored.

OGDEN COMMUNITY NATURE CENTER; 966 West 12th Street; Ogden, Utah
80404
(801) 621-9795

Contact Person: Teacher-Naturalist
Populations Served: K-Adult; serves the PH, VI & HI.

Facilities include an interpretive building, farm, and picnic area; trails are also available for the handicapped. Groups from the school for the deaf and blind attend the center.

UNIFIED STUDIES; 175 South 400 East; Orem, Utah 84057
(801) 225-1900

Contact Person: Director

Populations Served: Grades 11-12; serves all handicapping conditions.

Unified Studies is an integrated program of three disciplines-English, Natural Sciences, and Recreation. This program lasts three weeks and has approximately 65 students. The class spends two-to-three days of class time in the outdoors per week and the other days in the classroom working on related material. Emphasis is on academic, physical, and emotional stress, with the program designed to promote student success on a daily basis, thus resulting in changed lifestyles and self-images.

CAMP BIG SPRINGS; 150 South 500 East; Provo, Utah 84601
(801) 373-7650

Contact Person: Director

Populations Served: Grades 1-6; serves all regular classroom fifth grade students who want to attend.

The regular program lasts one week; the coed camp runs for a three-week period in June and is sponsored by Provo City and Provo School District. No permanent housing structures are available; thus, the use of large army surplus tents is necessary. Classes are taught daily, with various activities available in the afternoons. Recreation and campfire programs follow in the evenings. The staff includes one nurse, one director, two camp staff, and one bus driver; approximately 130 students attend camp each week.

GRANITE MILL HOLLOW ENVIRONMENTAL CENTER; 340 East 3545 South Street; Salt Lake City, Utah 84115
(801) 268-8213

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

Students work with certified teachers to extend skills appreciation for, and involvement with, environmental management and improvement. The Center is an excellent location to study plants, animals, geology, ecology, and environment. Almost all learning takes place out-of-doors, where handicapped students are mainstreamed into the regular programs. Elementary residential sessions last three-to-five days; and secondary sessions, five-to-ten. During the summer months, special education carries out their own program for four-six students; a wide variety of natural science courses are offered.

Virginia

STONEWALL RECREATION CENTER/DANVILLE PARKS AND RECREATION DEPARTMENT;
P.O. Box 3300; Danville, Virginia 24541
(804) 799-5199

Contact Person: Center Supervisor

Populations Served: K-Adult; serves all handicapping conditions.

Stonewall Recreation Center serves Danville citizens with special recreation needs. The Center operates out of a building recently acquired from the Danville City School Board; it is currently being remodeled and renovated to be totally accessible and barrier-free.

CAMP SHON TA'I; Route 1, Box 179-H; Lanexa, Virginia 23089
(804) 966-2275

Contact Person: Director of Social Services

Populations Served: Ages 9-15; serves youthful offenders, delinquents, EH & LD.

Designed for the EH male adolescent who has experienced failure in school, home, and the community. Best serves those children who can benefit from an open and wilderness-oriented environment that utilizes group work principles within a positive peer culture. Offers each individual a new environment that will provide opportunities for successful experiences that will contribute to the development of a positive self-image through the provision of challenges that will allow him to gain mastery over his own life, acquire new skills, and develop effective problem-solving techniques.

ORANGE COUNTY SCHOOL ENVIRONMENTAL EDUCATION PROJECT; Box 349;
Orange, Virginia 22960
(703) 672-3871

Contact Person: Environmental Education Director
Populations Served: K-12; serves LD, EMH, TMH & EH.

Orange County Public Schools Comprehensive School Environmental Project (COMSEP) began in 1973 with Title IV C funding and since then has been identified as an exemplary program by the Virginia State Department of Education. Project COMSEP has developed and implemented a K-12 environmental education curriculum based on an interdisciplinary approach. Curriculum guides for art, physical education, reading, social studies, and the sciences are available for purchase as are K-6 interdisciplinary guides. Environmental interpretation areas have been developed on school sites for school and community use. Teacher inservice and student programs are coordinated by a K-12 environmental education director.

WILDERNESS CHALLENGE OF TOTAL ACTION AGAINST POVERTY; Box 2868;
702 Shenandoah Avenue, NW; Roanoke, Virginia 24106
(703) 345-6781

Contact Person: Director
Populations Served: Grade 7-Adult; serves predelinquent youth who sometimes have a handicap.

TAP's Wilderness Challenge is a statewide-recognized Outward Bound model program. Young people between the ages of thirteen and eighteen in good physical health may participate in Wilderness Challenge activities. Inquiries and referrals from youth, parents, juvenile courts, and social service agencies are welcome.

MARINE SCIENCE CONSORTIUM FOR PHYSICALLY HANDICAPPED STUDENTS;
Wallops Island, Virginia 23337
(804) 824-5636

Contact Person: Director
Populations Served: HS; serves the PH.

Each summer the Consortium provides an excellent five-week oceanography program for physically handicapped high school students. The program offers unique opportunities for students to experience and learn firsthand the various areas of marine science and exposes them to the experience of professional oceanographers.

Washington

CISPUS ENVIRONMENTAL CENTER; 2332 Cispus Road; Randle, Washington 98377

(206) 497-7131

Contact Person: Administrative Assistant

Populations Served: K-Adult; serves the LD, PH & VI.

Cispus is available to any school district in the state. It is the combination of outstanding facilities and natural outdoor study areas that makes Cispus unique as an environmental education center. Cispus provides students the opportunity to be in a classroom setting in the heart of the Gifford Pinchot National Forest. History, language arts, social studies, math, art, health, and science, for example, are included in each classroom situation. Afternoons allow time for recreation and/or other activities such as fishing, hiking, shooting, photography, and archery. Cispus is open year-round and residential sessions of three-to-five days are available:

HIGHLINE PUBLIC SCHOOLS; 15675 Ambaum Boulevard, SW; Seattle, Washington 98166

(206) 433-2458

Contact Person: Coordinator of Environmental Education

Populations Served: Grade 6; serves all handicapping conditions with the exception of TMH.

Highline owns and operates a residential camp-Camp Waskowitz-which is fully accessible to the handicapped. At present, all sixth grade students spend one school week in residence. Handicapped students are integrated into the program. Facilities include fully furnished classrooms, a library, auditorium, and reception center. The camp is available year-round, including weekends, and may be leased for special groups or activities.

West Virginia

MINERAL COUNTY SCHOOLS OUTDOOR SCHOOL; One Baker Place; Keyser,
West Virginia 26726
(304) 788-3881

Contact Person: Director of Federal and Special Projects
Populations Served: Grades 5-8; serves all handicapping conditions.

All residential classes are one week in duration. Special facilities include Minco Park Outdoor Camp, with many activities in outdoor education offered.

Wisconsin

SCHLITZ AUDUBON CENTER; 1111 East Brown Deer Road; Milwaukee,
Wisconsin 53217
(414) 352-2880

Contact Person: Naturalist
Populations Served: Grade 1-Adult.

Offers approximately nine miles of foot trails, a rope handrail and Braille markers, and a tape recorded trail guide. Activities are staff-tailored to the needs of each group touring the Center. Numerous educational and interpretive programs are either currently available or planned.

SPRITE; Box 25; Oregon, Wisconsin 53575
(608) 835-5711

Contact Person: Director
Populations Served: Grades 7-12; serves EH.

SPRITE is a prerelease adventure program for incarcerated youth at Ethan Allen School and Lincoln Hills School. The program is administered through the Wisconsin Correctional Camp System of the Division of Corrections. Select groups of eight to ten young men or women are chosen for a highly intensive 28-day experience with the primary goals of increasing self-confidence, self-control, and responsible decision-making abilities. All program participants are either referred to the SPRITE staff by institution staff or obtain admission through self-referral. SPRITE staff review the candidates and conduct individual interviews. After acceptance into the program, the student signs a contract with the Juvenile Offender Review Board and SPRITE; the contract is the student's commitment to successfully complete the program. When the student does complete the program, he or she is released to the community.

MACKENZIE ENVIRONMENTAL EDUCATION CENTER; Department of Natural Resources; Poynette, Wisconsin 53955
(608) 635-4498, 635-2726

Contact Person: Director

Populations Served: K-Adult; serves all handicapping conditions.

The Center is an outdoor classroom designed to give individuals a meaningful outdoor experience. Residential sessions are available and last up to twenty-five days. Five hiking trails and a large arboretum with satellite areas nearby provide a wide range of forest, agricultural, and land-form conditions.

Wyoming

ECO-LABORATORY; Laramie County School District Number One; 2810 House Avenue; Cheyenne, Wyoming 82001
(307) 634-3152

Contact Person: Science Coordinator/Environmental Energy

Populations Served: K-6; serves EMH & TMH

Eco-Laboratory offers a primarily school-oriented program, with residential sessions lasting either one-to-two hours or overnight; handicapped individuals are mainstreamed. The program is in operation during the regular school week and offers nature center and outdoor camping facilities.