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ABSTRACT

A supplement to six previous bibliographies, this bibliography provides access to some of the latest resource material, research findings, and/or developments in outdoor education. Part I contains 47 citations and abstracts which appeared in "Resources in Education" (RIE) from the January 1976 issue through the December 1976 issue. Part II includes 69 citations of journal articles which appeared in "Current Index to Journals in Education" (CIJE) from the January 1976 issue through the December 1976 issue. In addition to outdoor education, the citations cover such topics as camping, conservation education, curriculum development, discovery learning, ecology, educational philosophy, elementary school science, environmental education, field trips, facilities, handicapped children, land use, learning activities, natural resources, nature centers, oceanology, program development, resident camp programs, science activities, teacher education, and urban environment and education. Types of materials cited include curriculum guides, research reports, resource guides, instructional materials, program descriptions, and teaching guides. A combined RIE and CIJE subject index is provided to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. Ordering information and a list of the 16 ERIC clearinghouses are included. (NQ)

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ED 136971

OUTDOOR EDUCATION
A SELECTED BIBLIOGRAPHY
(with ERIC Abstracts)
ERIC/CRESS Supplement No. 6

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EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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March 1977

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EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS (CRESS)

New Mexico State University
Las Cruces, New Mexico 88003

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The booklet may be duplicated in whole or in part, whenever such duplication is in the interest of bettering education.

March 1977

3

ii

CONTENTS

Introduction	v
Part I. Citations from <u>Resources in Education</u>	1
Sample Abstract.	2
Key to Abstract.	3
Part II. Citations from <u>Current Index to Journals in Education</u> . . .	51
Sample Abstract.	52
Key to Abstract.	53
Part III. RIE and CIJE Subject Index	89
Part IV. Directory of ERIC Clearinghouse Microfiche Collections . .	99
Order Form	100

PREVIOUS BIBLIOGRAPHIES

- Outdoor Education, A Selected Bibliography. (ED 037 285)
- Outdoor Education, A Selected Bibliography. Supplement No. 1 (ED 055 702)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 2 (ED 073 093)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 3 (ED 087 582)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 4 (ED 101 907)
- Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 5 (ED 118 306)

INTRODUCTION

The Educational Resources Information Center (ERIC) is a federally funded national information system dedicated to the improvement of education through the dissemination of educational resources and research-related materials. ERIC aids school administrators, teachers, researchers, information specialists, professional organizations, students, and others in locating and using educational resources.

Each of the ERIC network centers focuses on a separate area (or areas) of education (for a listing of the individual clearinghouses, readers should consult a current issue of Resources in Education, formerly Research in Education). It is the responsibility of the ERIC Clearinghouse on Rural Education and Small Schools (CRESS) to collect materials related to rural education and small schools, and American Indian, Mexican American, migrant, and outdoor education and to input these materials into the national ERIC system.

A main function of the ERIC system is to process documents other than current journal articles for announcement in Resources in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education as input by the various Clearinghouses. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which provides citations from over seven hundred major publications: journals, quarterlies, annuals, and yearbooks.

About the Bibliography

The present bibliography was compiled to provide access to some of the latest resource material, research findings, and/or developments in outdoor

p. 10 blank

education. The present bibliography is a supplement to six previous ERIC/CRESS publications. The previously published bibliographies, in conjunction with the present supplement comprise a series of bibliographies designed to provide cumulative coverage of outdoor education throughout the currently available issues of RIE and CIJE. (It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Document Reproduction Service pricing; however, prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.)

In conducting the computer search of the ERIC tapes for the purpose of compiling this bibliography, the only term used was OUTDOOR. The output was then screened for relevance to outdoor education.

Sources of Material

Resources in Education. Part of the present supplement contains citations and abstracts which have appeared in RIE from the January 1976 issue through the December 1976 issue. RIE contains subject, author, and institution indexes, along with document resumes which include the ERIC accession number, author(s), title source(s), date of publication, ERIC Document Reproduction Service prices or an alternative availability, and the abstract.

For the subject index, two types of descriptive terms are available for RIE as well as CIJE: descriptors and identifiers. Descriptors are technically meaningful terms or short phrases that have been incorporated into the Thesaurus of ERIC Descriptors. Descriptors are used to characterize the document and for indexing and retrieval purposes. Only major descriptors (those preceded by an asterisk) are used for indexing purposes in this bibliography.

Proper names of persons, geographical locations, trade names, and so on may be important in describing a document. These terms, called identifiers, are not found in the Thesaurus. Identifiers are included with the citations in RIE for descriptive purposes. Major identifiers (those preceded by an asterisk) are not indexed in this bibliography.

When using the RIE section of this bibliography, the reader is encouraged (1) to utilize the subject index in identifying relevant materials, (2) to examine the resumes to determine appropriateness of materials, and (3) to obtain microfiche or hard copy reproductions of documents from ERIC Document Reproduction Service. The reproductions must be ordered as described on the order blank appended to the present bibliographic supplement.

The reader is reminded that there are numerous complete microfiche collections of ERIC materials throughout the nation which may be used by the public. A list containing the locations of these standing orders may be found in Section IV of this publication.

Current Index to Journals in Education. Part II of this supplement, CIJE coverage, includes citations from CIJE beginning with the January 1976 issue and continuing through the December 1976 issue. Entries listed in the CIJE section of this bibliography are processed in a slightly different manner than are RIE citations. Brief annotations take the place of RIE abstracts. Furthermore, annotations are provided only when it is thought that the article being processed cannot be described adequately by a combination of major and minor descriptors, identifiers, and information in the title. Each journal citation includes the publication date, article title, personal author(s), journal title (sometimes abbreviated), and information on the volume, number, and pages. Please note that there are two CIJE entries per page.

Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to take advantage of his local library in locating the journals he wishes to use.

The Subject Index

A combined RIE and CIJE index is provided at the end of the present bibliography to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. The index terms, descriptors under which the citations were indexed in RIE and CIJE, are from the Thesaurus of ERIC Descriptors. Only major descriptors (those preceded by an asterisk) are indexed; major identifiers are not indexed in this bibliography.

Each citation in the bibliography is headed by an ERIC accession number. Entries from RIE are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations appear in numerical order according to the accession number. The citations are referenced in the index by the accession number.

Ordering Information

Publications cited in Part I of this bibliography are either available from ERIC Document Reproduction Service (EDRS) or an alternate availability is given with the citation. Prices may be computed as per the instructions on the order blank appended to the present bibliography.

Before ordering any item, the RIE citations should be double checked. If the citation carries the statement NOT AVAILABLE FROM EDRS, an alternate availability is given. If the citation carries the statement HC NOT AVAILABLE FROM EDRS, the publication is available in microfiche only from EDRS. If

neither of the foregoing statements appears with the RIE citation, it may be assumed that the publication is available from EDRS in microfiche and hard copy. Please use the order blank appended to this bibliography when ordering microfiche or hard copy from EDRS.

Document Contributions

Persons desiring to contribute materials such as those cited in this bibliography may do so by sending one copy (two if available) to:

ERIC/CRESS Acquisitions
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003

PART I: CITATIONS FROM RESOURCES IN EDUCATION

SAMPLE ABSTRACT

ED ED116883
 CH RC008955
 AU SMATHERS, KEENER M.
 TI OUTWARD BOUND IN THE PROFESSIONAL EDUCATION OF TEACHERS. A STUDY
 OF AN EXPERIMENTAL COMPONENT IN FIELD EXPERIENCES.
 PD 75
 IS RIE76MAY
 IN NATIONAL CONFERENCE ON OUTDOOR PURSUITS IN HIGHER EDUCATION.
 SN DEWITT WALLACE / READER'S DIGEST FUND, PLEASANTVILLE, N.Y.
 PR EDRS PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE
 AV OFFICE OF WILDERNESS EXPERIENCES, APPALACHIAN STATE UNIVERSITY,
 BOONE, NORTH CAROLINA 28608 (\$3.00)
 NO 60P.
 DE *COMPARATIVE ANALYSIS; HIGHER EDUCATION; HUMANISM
 DE *OUTDOOR EDUCATION; *SELF CONCEPT; STUDENT TEACHER RELATIONSHIP
 DE *STUDENT TEACHING; *TEACHER EDUCATION
 ID APPALACHIAN STATE UNIVERSITY; *OUTWARD BOUND; STRESS EXPERIENCES
 AB IN AN EFFORT TO MEASURE THE IMPACT OF OUTWARD BOUND (OB)
 EDUCATION ON TEACHER CANDIDATES, AN 18-DAY STRESS EXPERIENCE WAS
 ARRANGED FOR 12 APPALACHIAN STATE UNIVERSITY STUDENTS AND THEN
 COMPARED WITH THE EFFECTS OF THE NORMAL 11-WEEK STUDENT TEACHER
 EXPERIENCES OF TWO OTHER GROUPS. THE OB GROUP UNDERWENT A SERIES
 OF INDIVIDUAL AND GROUP WILDERNESS PROBLEMS INVOLVING
 CROSS-COUNTRY BACK PACKING, ROCK CLIMBING, WHITE WATER RAFTING,
 AND A THREE-DAY WILDERNESS SOLO WITHOUT FOOD. THE OB STUDENTS
 WERE ALSO GIVEN A DIME AND ASKED TO "MAKE DO" IN ATLANTA, GEORGIA
 FOR SEVERAL DAYS. LEARNING BY DOING AND GROUP COOPERATION WERE
 EMPHASIZED. DURING THE REMAINING 8 WEEKS OF THE SEMESTER, THESE
 STUDENTS TAUGHT IN A CLASSROOM. PRE- AND POST-ASSESSMENTS BY OB
 STUDENTS OF THEIR OVERALL PROFESSIONAL EDUCATION AND THEIR
 PERSONAL TEACHING READINESS AND PERFORMANCE WERE POSITIVE, AS
 WERE THEIR SUMMARIZATION STATEMENTS. EVALUATIONS BY PUBLIC SCHOOL
 CLASSES AND COLLEGE SUPERVISORS DID NOT INDICATE SIGNIFICANT
 DIFFERENCES AMONG THE GROUPS, BUT PRE- AND POST-INVENTORIES
 RELATIVE TO THE TOTAL CONTRIBUTION OF PROFESSIONAL EDUCATION TO
 TEACHING READINESS SHOWED MARKED CHANGES IN FAVOR OF OB, WHILE
 THE OTHER GROUPS' RESPONSES DID NOT VARY. SPECIFICALLY, THE OB
 GROUP GAINED IN: (1) TEACHER SELF-CONFIDENCE; (2) STUDENT
 INVOLVEMENT (INVOLVING STUDENTS); AND (3) HUMANISM (HUMANISTIC
 RECEPTIVITY TO OTHERS). (JC)

KEY TO ABSTRACT

- ED ERIC Accession Number - identification number sequentially assigned to documents as they are processed
- CH Clearinghouse accession number
- AU Author(s)
- TI Title
- PD Date published
- IS Issue of RIE
- IN Institutional source
- SN Sponsoring agency - agency responsible for initiating, funding, and managing the research project
- PR EDRS price - price through ERIC Document Reproduction Service. "MF" means microfiche; "H" means hard copy. When listed "not available from EDRS", other sources are cited above
- AV Alternate source for obtaining document
- NO Number of pages
- DE Descriptors - subject terms which characterize substantive content. Only the major terms, preceded by an asterisk, are printed in the subject index
- ID Identifiers - additional identifying terms not found in the Thesaurus of ERIC Descriptors
- AB Informative abstract
- () Abstractor's initials always placed at end of abstract

ED - ED111549
CH - RC008730
AU - ISHKANIAN, MARK, COMP.; AND OTHERS
TI - DIRECTORY OF NATURE CENTERS, OUTDOOR STUDY AREAS AND ENVIRONMENTAL EDUCATION CENTERS IN NEW YORK STATE. SPRING 1975 EDITION.
PD - 75
IS - RIE76JAN
IN - NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION, ALBANY.
IN - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, SYRACUSE.
PR - EDRS PRICE MF-\$0.76 HC-\$1.95 PLUS POSTAGE
AV - NYSOEA DIRECTORY, BOX 26, SYRACUSE, NEW YORK 13215 (\$2.00)
NO - 37P.; PREPARED WITH THE COOPERATION OF '76 ENVIRONMENT, ALBANY, NEW YORK
DE - *DIRECTORIES; *ENVIRONMENTAL EDUCATION; *FACILITIES
DE - *NATURE CENTERS; *OUTDOOR EDUCATION; *PROGRAMS
ID - NEW YORK
AB - COMPILED FROM SURVEY RESPONSES, THIS PUBLICATION CONSTITUTES THE SECOND EDITION OF A GUIDE TO ESTABLISHED OUTDOOR AND ENVIRONMENTAL EDUCATION CENTERS IN THE STATE OF NEW YORK. ORGANIZED BY REGION (ENVIRONMENTAL CONSERVATION REGIONS OF NEW YORK STATE) AND BY COUNTY, APPROXIMATELY 80 ENTRIES ARE PRESENTED. EACH ENTRY INCLUDES: (1) THE CENTER'S NAME, ADDRESS, PHONE NUMBER, SUPERVISOR'S NAME, AND AFFILIATIONS; (2) A BRIEF DESCRIPTION OF THE CENTER'S FACILITIES; AND (3) THE KIND OF EDUCATIONAL PROGRAMS OFFERED. (JC)

ED - ED111554
 CH - RC008735
 TI - THE PIONEER STUDENT TEXTBOOK. MOHICAN SCHOOL IN THE OUT-OF-DOORS.
 PD - 74
 IS - RIE76JAN
 IN - MOHICAN SCHOOL IN THE OUT-OF-DOORS, PERRYSVILLE, OHIO.
 PR - EDRS PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE
 AV - MOHICAN SCHOOL IN THE OUT-OF-DOORS, BOX 150, ROUTE #2,
 PERRYSVILLE, OHIO 44864 (\$2.50)
 NO - 74P.; FOR RELATED DOCUMENT, SEE ED 038 219; PAGE 26 MAY REPRODUCE
 POORLY DUE TO SMALL PRINT
 DE - CONSERVATION EDUCATION; CREATIVE EXPRESSION; ECOLOGY
 DE - *ELEMENTARY SCHOOL CURRICULUM; HISTORY; MATHEMATICS
 DE - *NATURAL RESOURCES; *OUTDOOR EDUCATION; POETRY
 DE - *RESIDENT CAMP PROGRAMS; SCIENCE ACTIVITIES; *TEXTBOOKS
 AB - DESIGNED FOR PRE-CAMP AND IN-CAMP STUDIES, THIS TEXT PRESENTS
 MATERIALS RELATIVE TO THE MOHICAN SCHOOL IN THE OUT-OF-DOORS
 (PERRYSVILLE, OHIO). THE FOLLOWING AREAS ARE COVERED: (1) THE
 DAILY CAMP SCHEDULE (INCLUDES SECTIONS ON COMMUNITY LIFE,
 UTILIZATION OF THE SENSES, AND THE ART OF OBSERVATION); (2) AN
 HISTORICAL/GEOGRAPHICAL REVIEW OF THE MOHICAN AREA; (3) THE ACT
 OF CREATIVE EXPRESSION (INCLUDES SAMPLES OF JOURNAL ENTRIES,
 STUDENT POETRY, ETC); (4) THE ART OF CONSERVATION AND ECOLOGICAL
 EXPLORATION (INCLUDES TRAILSIDE FACTS AND MANNERS, POND STUDY,
 CREEKBED STUDY, OUTDOOR MATHEMATICS, A COMPASS GAME, TREE
 IDENTIFICATION, TREE OBSERVATION, FERN OBSERVATION, WILD LOWER
 OBSERVATION, BIRD OBSERVATION, SOIL STUDY, ETC); AND (5) WEATHER
 STUDY (VOCABULARY FOR ECOLOGY AND WEATHER, WIND SPEED ESTIMATION,
 CHILL FACTOR, WEATHER FORECASTING, AND HUMIDITY CHART). THE TEXT
 IS DIVIDED INTO READING MATERIALS (PRE-CAMP) AND WORKSHEETS
 (IN-CAMP) WHICH INCLUDE MAPS, PICTURES, DRAWINGS, CHARTS, ETC.
 (JC)

EC - ED111564
 CH - RC008745
 AU - ASKHAM, LEONARD R.
 TI - WILDERNESS: A WAY OF THINKING; A STATE OF MIND.
 PD - 24 AUG 75
 IS - RIE76JAN
 PR - EDRS PRICE MF-\$0.76 HC-\$1.58 PLUS POSTAGE
 NO - 16P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE RURAL
 SOCIOLOGICAL SOCIETY, (SAN FRANCISCO, CALIFORNIA, AUGUST 24, 1975)
 DE - ATTITUDES; *BEHAVIOR CHANGE; *CONCEPT FORMATION
 DE - *ENVIRONMENTAL CRITERIA; ENVIRONMENTAL EDUCATION
 DE - INDIVIDUAL DIFFERENCES; *OUTDOOR EDUCATION; *RECREATION
 DE - SOCIAL RELATIONS
 ID - *WILDERNESS
 AB - WILDERNESS, AS A STATE OF MIND, HAS PERSISTED AMONG MEN SINCE THE
 BEGINNING OF TIME. WRITTEN HISTORY HAS DOCUMENTED MAN'S STRUGGLE
 WITH AND AGAINST IT. IT HAS ONLY BEEN DURING THE LAST CENTURY
 THAT MAN, IN A SOCIETAL CONTEXT, HAS DESIGNATED VAST TRACTS OF
 LAND AS WILDERNESS. THE EXTENT TO WHICH WILDERNESS ATTRIBUTES ARE
 PERCEIVED AND THE MEANING ATTACHED TO THEM VARIES WITH THE
 OBSERVER. OVER THE YEARS, IT HAS BEEN REGARDED BOTH AS AN ENEMY
 TO BE CONQUERED IN THE NAME OF CIVILIZATION, CHRISTIANITY, AND
 PROGRESS, AND AS SOMETHING OF VALUE TO BE CHERISHED AND
 PRESERVED. THUS, THE DICHOTOMY EMERGES BETWEEN WILDERNESS AS A
 PHYSICAL ENTITY AND WILDERNESS AS PERCEIVED BY AN INDIVIDUAL
 ENCOUNTERING A PREVIOUSLY UNENCOUNTERED, OPERATIONAL ENVIRONMENT
 FOR THE FIRST TIME. FOR MANY PEOPLE, PARTICULARLY THOSE WHO ARE
 BORN AND RAISED IN AN URBAN ENVIRONMENT, THE WILDERNESS BEGINS AT
 THE EDGE OF THE CONCRETE. FOR OTHERS, IT EXISTS AT THE BOUNDS OF
 THEIR LIMITATIONS. THEREFORE, EACH INDIVIDUAL PERCEIVES
 WILDERNESS IN THE CONTEXT OF HIS HISTORY, MATURATION, AND
 EXPOSURE TO DIFFERENT TYPES OF OPERATIONAL ENVIRONMENTS. AS
 EXPOSURE INCREASES AND THE INDIVIDUAL MATURES, SO DOES HIS
 CONCEPT OF WHAT A WILDERNESS MIGHT BE. (AUTHOR/NQ)

ED - ED113113
 CH - RC008825
 AU - KELBA, NESTOR N.
 TI - THE DEVELOPMENT OF AN INSTRUMENT FOR EVALUATING RESIDENTIAL
 OUTDOOR EDUCATION CENTRES IN CANADA.
 PD - APR 74
 IS - RIE76FEB
 PR - EDRS PRICE MF-\$0.76 HC-\$8.24 PLUS POSTAGE
 NO - 158P.; MS THESIS, CALGARY UNIVERSITY, CALGARY, ALBERTA
 DE - *EVALUATION METHODS; *LITERATURE REVIEWS; MASTERS THESES
 DE - *MEASUREMENT INSTRUMENTS; OBJECTIVES; *OUTDOOR EDUCATION
 DE - PROGRAM CONTENT; *RESIDENTIAL CENTERS; RESIDENTIAL PROGRAMS
 ID - *CANADA
 AB - THE STUDY'S PURPOSE WAS TO DEVELOP A VALID INSTRUMENT FOR
 EVALUATING RESIDENTIAL OUTDOOR EDUCATION CENTRES IN CANADA. USING
 PUBLISHED AND UNPUBLISHED LITERATURE, A PRELIMINARY INSTRUMENT
 CONSISTING OF 206 CRITERIA WAS CONSTRUCTED. TWENTY-FIVE
 RECOGNIZED CANADIAN EXPERTS IN RESIDENTIAL OUTDOOR EDUCATION WERE
 RANDOMLY SELECTED FROM 3 SUBSAMPLE AREAS (THE MARITIMES,
 QUEBEC-ONTARIO, AND WESTERN CANADA); THESE WERE ASKED TO ACT AS
 JURORS. TO VALIDATE THE PRELIMINARY INSTRUMENT, THE JURORS WERE
 SENT A COPY OF THE INSTRUMENT WITH INSTRUCTIONS TO RATE EACH
 CRITERION ON A 7-POINT SCALE: ESSENTIAL, VERY DESIRABLE,
 DESIRABLE, ACCEPTABLE, QUESTIONABLE, UNACCEPTABLE, NOT FEASIBLE,
 AND AN EIGHTH SCALE, NOT APPLICABLE. TWENTY JURORS (80 PERCENT OF
 THE TOTAL NUMBER) RESPONDED. OF THE 206 CRITERIA, 3 WERE EXCLUDED
 BECAUSE THEIR AVERAGE RATINGS WERE LOWER THAN THE REQUIRED 4.0
 AND 1 BECAUSE OF THE JURORS' COMMENTS. THE OVERALL AVERAGE RATING
 OF THE 202 CRITERIA RETAINED IN THE INSTRUMENT WAS 6.0 OR VERY
 DESIRABLE. THE FINAL INSTRUMENT WAS GIVEN A 6-POINT SCALE WHICH
 INCLUDED: MET COMPLETELY, GREAT DEGREE, MODERATE DEGREE, SMALL
 DEGREE, NOT MET TO ANY DEGREE, AND NOT APPLICABLE. IN ADDITION,
 THE AVERAGE RATING RECEIVED FROM JURORS FOR EACH CRITERION WAS
 INCLUDED IMMEDIATELY FOLLOWING THAT CRITERION IN THE BODY OF THE
 INSTRUMENT. (AUTHOR/NQ)

ED - ED113150
 CH - SE019540
 AU - CASE, SHARON, ED.; AND OTHERS
 TI - LIVING EDUCATION: A TEACHER'S GUIDE TO OVERNIGHT SITES IN OREGON.
 PD - 75
 IS - RIE76FEB
 IN - OREGON STATE DEPT. OF EDUCATION, SALEM.
 PR - EDRS PRICE MF-\$0.76 NC-\$4.43 PLUS POSTAGE
 AV - DOCUMENTS CLERK, OREGON DEPARTMENT OF EDUCATION, 942 LANCASTER
 DRIVE, N.E., SALEM, OREGON 97310 (\$2.00)
 NO - 85P.; PHOTOGRAPHS WILL REPRODUCE POORLY
 DE - *CAMPING; *EDUCATIONAL FACILITIES; EDUCATIONAL RESOURCES
 DE - ENVIRONMENTAL EDUCATION; FIELD INSTRUCTION; FIELD TRIPS
 DE - *INSTRUCTIONAL MATERIALS; INSTRUCTIONAL MEDIA
 DE - INSTRUCTIONAL TRIPS; OUTDOOR EDUCATION; PROGRAM DEVELOPMENT
 DE - RECREATIONAL PROGRAMS; *RESIDENT CAMP PROGRAMS; *TEACHING GUIDES
 ID - OREGON
 AB - THIS DOCUMENT HAS BEEN PREPARED TO ENCOURAGE TEACHERS IN OREGON
 TO PLAN ENVIRONMENTAL TRIPS WITH THEIR CLASSES. IT IS ORGANIZED
 INTO THREE MAJOR SECTIONS--AWARENESS IN A LIVING ENVIRONMENT,
 TEACHING AND PLANNING RESOURCES, AND DIRECTORY OF OVERNIGHT SITES
 IN OREGON. USING A SERIES OF QUESTIONS AS GUIDELINES, CHILDREN
 BECOME AWARE OF THEIR ENVIRONMENT BY LOOKING, LISTENING, AND
 TOUCHING. CHANGE, CYCLES, MICROHABITATS, AND INTERDEPENDENCE ARE
 OTHER TOPICS DESIGNED TO STIMULATE INQUIRY AND INCREASE
 ENVIRONMENTAL AWARENESS. THE SECOND PART OF THIS PUBLICATION IS
 ARRANGED IN FIVE SUBSECTIONS. THE FIRST SECTION IS A LISTING OF
 AGENCIES THAT WILL PROVIDE FREE PAMPHLETS, BOOKLETS, MAPS,
 GUIDES, FILMS, AND SLIDE PRESENTATIONS UPON REQUEST. SECTION TWO
 PRESENTS A BIBLIOGRAPHY OF INSTRUCTIONAL MATERIALS. THE THIRD
 AREA CONTAINS A GLOSSARY OF TERMS, WHICH MIGHT BE HELPFUL IN
 DISCUSSING ENVIRONMENTAL ISSUES. TIPS ON PLANNING TRIPS ARE
 INCLUDED IN THE FOURTH SUBSECTION. THE FIFTH AREA IS A LISTING OF
 SUGGESTED ITEMS TO TAKE ON A TRIP. PART THREE PROVIDES A LISTING
 OF NON-COMMERCIAL CAMPS AVAILABLE THROUGH AGENCIES, CHURCH
 ORGANIZATIONS, OR PRIVATE OWNERS. THE CAMPS ARE LISTED WITHIN
 EACH OF THE ELEVEN AREA DIVISIONS OF OREGON, AND BY COUNTY WITHIN
 EACH DIVISION. LOCATION, ACCOMMODATIONS, AND CONTACTS FOR CAMPS
 ARE INCLUDED. (BP)

ED - ED113154
 CH - SE019638
 TI - ACTIVITIES. A COLLECTION OF THINGS TO DO AT THE ENVIRONMENTAL
 LEARNING CENTER, ISABELLA, MINNESOTA.
 PD - 75
 IS - RIET6FEB
 IN - ENVIRONMENTAL LEARNING CENTER, ISABELLA, MINN.
 PR - EDRS PRICE MF-\$0.76 HC-\$5.70 PLUS POSTAGE
 NO - J19P.; OCCASIONAL MARGINAL LEGIBILITY
 DE - CURRICULUM GUIDES; *ELEMENTARY SECONCARY EDUCATION
 DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION
 DE - RESIDENT CAMP PROGRAMS; *SCIENCE EDUCATION; STUDENT PROJECTS
 DE - *TEACHING GUIDES
 AB - A COLLECTION OF ACTIVITIES USED SUCCESSFULLY AT THE ENVIRONMENTAL
 LEARNING CENTER IN ISABELLA, MINNESOTA, ARE CONTAINED IN THIS
 GUIDE. AREAS OF STUDY ARE PERCEPTION AND COMMUNICATION, MAPPING,
 WEATHER, SNOW, SOIL, AQUATICS, TREES, AND ANIMALS. WITHIN THESE
 AREAS IS A NUMBER OF RELATED ACTIVITIES, EACH TO BE ADAPTED TO
 THE APPROPRIATE GRADE LEVEL. THE EXERCISES CONTAIN A BRIEF
 DESCRIPTION WITH A STATEMENT OF PURPOSE. EQUIPMENT CHECKLISTS
 INDICATE WHAT THE CENTER FURNISHES, AND WHAT YOU ARE EXPECTED TO
 PROVIDE. PROCEDURES EXPLAIN SPECIFICALLY HOW TO GO ABOUT EACH
 ACTIVITY. A SERIES OF DISCUSSION QUESTIONS SERVE AS A FOLLOW UP
 TO THE EXERCISES. THE LESSONS PROVIDE A DEGREE OF FLEXIBILITY, SO
 THAT THEY CAN BE USED WHEN DESIGNING A RESIDENT PROGRAM, OR
 MODIFIED TO ACCOMMODATE INDIVIDUAL OR GROUP NEEDS. A NUMBER OF
 THE ACTIVITIES SUGGEST THE USE OF ACTIVITY CARDS WHICH CAN BE
 REPRODUCED FROM THE LESSON SAMPLE. NOTEBOOKS ARE ALSO INDICATED
 AS BEING IMPORTANT IN MOST AREAS. INCLUDED IN THE APPENDIX IS A
 DETAILED ACCOUNT OF AVAILABLE EQUIPMENT AT THE CENTER, INCLUDING
 THOSE ITEMS FOR CAMPING, RECREATION, MEASURING, OPTICS,
 ASTRONOMY, TERRESTRIAL NEEDS, AQUATIC NEEDS, TEST KITS, AND
 AUDIOVISUAL AIDS. THE BIBLIOGRAPHY CONTAINS A COLLECTION OF
 MATERIALS USED TO DEVELOP ENVIRONMENTALLY ORIENTED LESSONS. (BP)

ED - ED113896
 CH - EC080250
 AU - HAWKINS, DONALD E.; AND OTHERS
 TI - THE NATURAL ENVIRONMENT AND HUMAN DEVELOPMENT: IMPLICATIONS FOR
 HANDICAPPED CHILDREN IN URBAN SETTINGS.
 PD - MAY 75
 IS - RIE76MAR
 SN - FOREST SERVICE (DOA), WASHINGTON, D.C.
 PR - EDs PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE
 NO - 56P.
 DE - ADAPTED PHYSICAL EDUCATION; ADMINISTRATION
 DE - *ARCHITECTURAL BARRIERS; BIBLIOGRAPHIES; CAMPING
 DE - CHILD DEVELOPMENT; DESIGN NEEDS; *ENVIRONMENTAL INFLUENCES
 DE - EXCEPTIONAL CHILD EDUCATION; *HANDICAPPED CHILDREN
 DE - OUTDOOR EDUCATION; *PROGRAM PLANNING; RECREATION
 DE - *URBAN ENVIRONMENT
 AB - PRESENTED FOR ENVIRONMENTAL DESIGNERS AND PROGRAM PLANNERS
 SERVING HANDICAPPED CHILDREN IN URBAN SETTINGS IS INFORMATION ON
 USING THE NATURAL ENVIRONMENT BOTH AS A THERAPEUTIC MODALITY AND
 TO FACILITATE CHILD DEVELOPMENT; PLANNING, ADMINISTERING, AND
 EVALUATING INNOVATIVE EDUCATIONAL RECREATIONAL AND CAMPING
 PROGRAMS; AND DEVELOPING STANDARDS FOR ARCHITECTURAL
 MODIFICATIONS AND BARRIER-FREE DESIGN. INCLUDED IS A BIBLIOGRAPHY
 CONTAINING APPROXIMATELY 280 REFERENCES ARRANGED ALPHABETICALLY
 BY AUTHOR OR SOURCE WITHIN THE FOLLOWING CATEGORIES: GENERAL
 REFERENCES; PHYSICAL AND MOTOR DEVELOPMENT; PERCEPTUAL
 DEVELOPMENT; BEHAVIOR/PERSONALITY/AFFECTIVE DEVELOPMENT;
 INTELLECTUAL/COGNITIVE/LANGUAGE DEVELOPMENT; PROGRAM PLANNING,
 ADMINISTRATION, AND EVALUATION IN THE NATURAL ENVIRONMENT; AND
 ARCHITECTURAL MODIFICATIONS/BARRIER-FREE DESIGN. (LH)

ED - E0114215
 CH - RC008831
 AU - LEWIS, CHARLES A., JR., ED.; CARLSON, MARCIA K., ED.
 TI - CONTEMPORARY PERSPECTIVES IN OUTDOOR EDUCATION.
 PD - 74
 IS - RIE76MAR
 PR - DOCUMENT NOT AVAILABLE FROM EDRS
 AV - COLLEGE BOOKSTORE, STATE UNIVERSITY COLLEGE, CORTLAND, N.Y. 13045
 (\$6.35); MAKE CHECKS PAYABLE TO FACULTY STUDENT ASSOCIATION
 NO - 130P.
 DE - CAMPING; CURRICULUM DEVELOPMENT; *EDUCATIONAL THEORIES
 DE - ELEMENTARY SECONDARY EDUCATION; EMOTIONALLY DISTURBED
 DE - *ENVIRONMENTAL EDUCATION; FINANCIAL SUPPORT; HIGHER EDUCATION
 DE - *LITERATURE REVIEWS; METHODS; *OUTDOOR EDUCATION
 DE - *PROGRAM DESCRIPTIONS; SELF ACTUALIZATION; VISUALLY HANDICAPPED
 AB - DESIGNED TO PROVIDE THE STUDENT OF OUTDOOR EDUCATION WITH A
 SYNTHESIS OF CURRENT LITERATURE IN THE FIELD. THIS COLLECTION
 PRESENTS 26 ARTICLES WHICH RANGE FROM ADMINISTRATIVE TO PRACTICAL
 APPLICATIONS OF OUTDOOR EDUCATION THEORY AND PHILOSOPHY. ARTICLES
 INCLUDE DISCUSSIONS OF: (1) THE PHILOSOPHY OF OUTDOOR EDUCATION;
 (2) A LONDON SCHOOL AND ITS USE OF THE ENVIRONMENT; (3) OUTDOOR
 EDUCATION METHODOLOGY; (4) CAMPING AND CAMPER ATTITUDES; (5)
 NATURE AS A CLASSROOM; (6) AN EDUCATIONAL PROGRAM INVOLVING YOUNG
 PEOPLE IN PUBLIC AFFAIRS; (7) OUTWARD BOUND; (8) SELF-AWARENESS
 VIA OUTDOOR EDUCATION; (9) A SUMMER CAMP THAT INCLUDED MENTALLY
 RETARDED CHILDREN; (10) COOPERATIVE FUNDING; (11) COMPARATIVE
 ENVIRONMENTAL EDUCATION IN PARK SETTINGS; (12) THE INTEGRATION OF
 OUTDOOR EDUCATION INTO THE CURRICULUM; (13) ORGANIZING CAMPS;
 (14) A MOUNTAIN CLASSROOM; (15) THE OUTDOOR EDUCATION REVIVAL IN
 NEW YORK STATE; (16) OUTDOOR TEACHING; (17) A SCHOOL GROUND
 OUTDOOR EDUCATION LABORATORY; (18) THE CONCEPT OF THE "NATURE
 CREEP"; (19) AN OUTDOOR COMMUNITY FOR TROUBLED ADOLESCENTS; (20)
 BEING IN TOUCH WITH NATURE; (21) A SNOW TREK FOR EMOTIONALLY
 DISTURBED STUDENTS; (22) ENVIRONMENTAL PROTECTION THROUGH OUTDOOR
 EDUCATION; (23) A NATURE TRAIL WITH BRAILLE MARKERS FOR THE
 VISUALLY HANDICAPPED; (24) A PROGRAM FOR THE UNDERACHIEVER; (25)
 HUNTING. (JC)

ED - ED114219
 CH - RC008838
 AU - METCALF, HARLAN G.
 TI - WHITTLIN', WHISTLES, AND THINGAMAJIGS: THE PIONEER BOOK OF NATURE
 CRAFTS AND RECREATION ARTS.
 PD - 74
 IS - RIE76MAR
 PR - DOCUMENT NOT AVAILABLE FROM EDRS
 AV - STACKPOLE BOOKS, CAMERON AND KELKER STREETS, HARRISBURG,
 PENNSYLVANIA 17105 (\$10.00)
 NO - 190P.
 DE - CONSERVATION (ENVIRONMENT); FOLK CULTURE; GAMES; *GUIDES
 DE - *HANDICRAFTS; HISTORY; ILLUSTRATIONS; *METHODS
 DE - *NATURAL RESOURCES; *OUTDOOR EDUCATION; PLANT IDENTIFICATION
 DE - RECREATIONAL ACTIVITIES
 AB - DESIGNED TO RECAPTURE RESPECT FOR NATURE, THIS BOOK PRESENTS
 NUMEROUS NATURAL HANDICRAFTS WHICH MAY BE UTILIZED BY YOUTH
 LEADERS, CAMPERS, FOLKLORISTS, HOBBYISTS, AND CHILDREN OF ALL
 AGES. ILLUSTRATED VIA PHOTOGRAPHS AND DRAWINGS, HANDICRAFTS ARE
 DESCRIBED AND PRESENTED IN TERMS OF HISTORY, CONSERVATION, AND
 TECHNIQUE. AMONG THE ACTIVITIES INCLUDED ARE: (1) MAKING WHISTLES
 AND HORNS FROM NATURAL SOURCES; (2) GATHERING, PREPARING, AND
 USING NATURAL CORDAGE MATERIALS; (3) MAKING SPEARS AND JAVELINS;
 (4) DEVELOPING SPEAR-THROWING TECHNIQUES (PRIMITIVE PROTOTYPES
 AND MODERN VERSIONS); (5) IDENTIFYING SUITABLE MATERIALS FOR THE
 WHIP-DART AND THE SLINGSHOT; (6) THROWING STONES WITH POWER AND
 USING THE SLING; (7) MAKING AND USING THE PRIMITIVE BLOWPIPE; (8)
 MAKING AND USING THE BOOMERANG (AUSTRALIAN RETURN AND NON-RETURN,
 PINWHEEL, AND CROSS-STOCK BOOMERANGS); (9) MAKING BOWS AND ARROWS
 AND INCREASING MARKSMANSHIP; (10) IDENTIFYING MATERIALS FOR
 MAKING WALKING STICKS; AND (11) MAKING FISHING TACKLE AND
 LEARNING FISHING TECHNIQUES. ADDITIONALLY, THIS BOOK PRESENTS
 CONCISE DESCRIPTIONS DETAILING THE COLLECTION AND USE OF VARIOUS
 TREES, PLANTS, SHRUBS, AND GRASSES. (JC)

ED - ED114254
 CH - SE018110
 TI - POPULATION INQUIRIES: U.S. AND WORLD DYNAMICS. VOLUME 1.
 PD - 74
 IS - RIE76MAR
 IN - INDIANA UNIV., BLOOMINGTON. POPULATION EDUCATION PROJECT.
 SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. OFFICE OF ENVIRONMENTAL EDUCATION.
 PR - EDRS PRICE MF-\$0.76 HC-\$10.78 PLUS POSTAGE
 CG - OEG-0-72-5143
 NO - 215P.; FOR VOLUME 2 SEE SE 018 111
 DE - CONSERVATION EDUCATION; *CURRICULUM GUIDES
 DE - *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
 DE - INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES
 DE - NATURAL RESOURCES; OUTDOOR EDUCATION; *POPULATION EDUCATION
 DE - POPULATION GROWTH; POPULATION TRENDS; SCIENCE EDUCATION
 DE - *SECONDARY EDUCATION; SOCIAL STUDIES; TEACHING GUIDES
 AB - THIS INSTRUCTIONAL UNIT ON POPULATION ISSUES FOR USE IN HIGH SCHOOL SOCIAL STUDIES CLASSES HAS BEEN DESIGNED TO PROVIDE THE SOCIAL STUDIES TEACHER WITH A WIDE VARIETY OF INSTRUCTIONAL OPTIONS. THESE ARE ORIENTED TOWARD PROVIDING NON-COLLEGE-BOUND JUNIORS OR SENIORS WITH VISUALLY STIMULATING ACTIVITY-ORIENTED INSTRUCTION ON VITAL SOCIAL ISSUES RELATING TO POPULATION CHANGE. THIS UNIT IS DIVIDED INTO THREE CHAPTERS. CHAPTER 1 IS A DESCRIPTION OF THE PROJECT DESIGN AND DEVELOPMENT. CHAPTER 2 PROVIDES A BRIEF OVERVIEW OF THE PURPOSE AND STRUCTURE OF THE UNIT ALONG WITH SUGGESTIONS FOR USING THE UNIT IN THE CLASSROOM. CHAPTER 3 CONSISTS OF THE INSTRUCTIONAL UNIT, WHICH CONTAINS A SERIES OF ACTIVITIES EACH INCLUDING A PURPOSE, LEARNING GOALS, TEACHING SCHEDULE, TEACHING AIDS, LEARNING AIDS, TEACHING PROCEDURES, STUDENT APPLICATION EXERCISES, NOTES TO THE TEACHER, AND STUDENT CONFIRMATION SHEETS. A SECTION OF STUDENT MATERIALS IS ALSO INCLUDED ALONG WITH A TEACHER IDEA GRABBAG. RESOURCE MATERIALS ARE LISTED THROUGHOUT THE INSTRUCTIONAL UNIT AND INCLUDE: FILMSTRIPS, READING MATERIAL, A VISUAL QUESTIONNAIRE, ROLE-PLAYING AND SLIDES. A SEPARATE PAMPHLET, ENTITLED "POPULATION PENDULUM," IS ALSO ATTACHED. (TK)

ED - ED114421
 CH - TMO04915
 AU - ADAMS, L. LA MAR; AND OTHERS
 TI - EVALUATION OF ONE TYPE OF NON-TRADITIONAL PROGRAM OF HIGHER EDUCATION.
 PD - 2 APR 75
 IS - RIE76MAR
 PR - EDRS PRICE MF-\$0.76 HC-\$1.58 PLUS POSTAGE
 NO - 21P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOCIATION (WASHINGTON, D.C., MARCH 30-APRIL 3, 1975)
 DE - ACADEMIC ACHIEVEMENT; ACADEMIC FAILURE; *COLLEGE PROGRAMS
 DE - COLLEGE STUDENTS; *EDUCATIONAL ALTERNATIVES
 DE - EDUCATIONAL INNOVATION; EVALUATION METHODS; HIGHER EDUCATION
 DE - MENTAL HEALTH; *OUTDOOR EDUCATION; *PROGRAM EVALUATION
 DE - RELEVANCE (EDUCATION); *SELF CONCEPT; STATISTICAL ANALYSIS
 DE - STUDENT ATTITUDES; STUDENT EVALUATION
 ID - CLASP; *CREATIVE LEARNING APPLICATION SO
 ID - NONTRADITIONAL EDUCATION; WILDERNESS EDUCATION PROGRAMS
 AB - CREATIVE LEARNING THROUGH THE APPLICATION OF SOCIOLOGICAL PRINCIPLES (CLASP) IS A NONTRADITIONAL PROGRAM DESIGNED TO HELP STUDENTS DEVELOP THEIR OWN CONCEPTS, THEORIES, AND SKILLS DURING A NONSTRUCTURED SOCIOLOGY SEMESTER. THE PROGRAM CONSISTS OF SEVEN PHASES: (1) FIRST WEEK: TESTING, SIMULATING, AND PREPARATION; (2) SECOND-THIRD WEEKS: HUMAN RELATIONS AND SURVIVAL LAB IN WILDERNESS; (3) FOURTH-SEVENTH WEEKS: POST-WILDERNESS COMMUNITY PROBLEM SOLVING UPON RETURN TO CAMPUS; (4) EIGHTH WEEK: MIDTERM EVALUATION; (5) NINTH-TWELFTH WEEKS: SKILLED EXPERIENCES; (6) THIRTEENTH-FOURTEENTH WEEKS: REPORTING, SHARING, DISCUSSING, AND ANALYZING; AND (7) FIFTEENTH-SIXTEENTH WEEKS: EVALUATION AND GRADING. A GROUP OF STUDENTS WHO HAD COMPLETED TWO EVALUATION PHASES OF AN OUTDOOR SURVIVAL PROGRAM AND TWO DIFFERENT CLASP GROUPS ALL INVOLVED IN WILDERNESS EDUCATIONAL PROGRAMS, WERE EXAMINED TOGETHER WITH TWO CONTROL GROUPS. THE CONTROL GROUPS WERE A CONVENTIONAL BEGINNING CLASS IN SOCIOLOGY AND A CONVENTIONAL T-GROUP. RESULTS SIGNIFICANTLY FAVOR CLASP COMMUNITIES OVER T-GROUPS AND CONTROL GROUPS IN TERMS OF SOCIOLOGICAL CONTENT, CHANGES IN SELF CONCEPTION, AND ACADEMIC ACHIEVEMENTS. STRONG POSITIVE REACTIONS RATED THE CLASP PROGRAM AS THE BEST LEARNING EXPERIENCE IN THE STUDENTS' COLLEGE CAREER. THE PROGRAM HAS CREATED CONSIDERABLE "NOISE" IN THE TRADITIONAL ACADEMIC SYSTEM FOR NONTRADITIONAL EDUCATION. RECOMMENDATIONS ARE MADE FOR INSTITUTIONS TO ADAPT THIS SURVIVAL-TYPE PROGRAM TO THE NEEDS OF EACH COLLEGE DEPARTMENT. (AUTHOR/BJG)

ED - ED116387
 CH - EC080768
 TI - RESOURCE UNITS FOR INSTRUCTION IN PREPARING YOUTH FOR OCCUPATIONS
 IN RECREATIONAL-ENVIRONMENTAL VOCATIONS. WISCONSIN V.E.A. PROJECT
 NO. 1-2075S104.
 PD - 72
 IS - RIE76MAY
 IN - MERRILL AREA PUBLIC SCHOOLS, WIS.
 SN - WISCONSIN STATE DEPT. OF PUBLIC INSTRUCTION, MADISON.
 PR - EDRS PRICE MF-\$0.76 HC-\$1.95 PLUS POSTAGE
 NO - 42P.
 DE - ENVIRONMENTAL EDUCATION; EXCEPTIONAL CHILD EDUCATION
 DE - *HANDICAPPED CHILDREN; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
 DE - PROGRAM DEVELOPMENT; RECORDS (FORMS); *RECREATION
 DE - SUMMER PROGRAMS; *VOCATIONAL EDUCATION
 ID - WISCONSIN
 AB - DESCRIBED IN THE HANDBOOK IS THE MERRILL AREA (WISCONSIN) PUBLIC
 SCHOOLS PROGRAM TO PREPARE HANDICAPPED YOUTH FOR OCCUPATIONS IN
 RECREATIONAL-ENVIRONMENTAL VOCATIONS. IN PART I, A SCHOOL FOREST
 SUMMER CURRICULUM WORKSHOP ALREADY TESTED WITH HANDICAPPED
 CHILDREN IS OUTLINED IN TERMS OF PURPOSE AND PHILOSOPHY (TO
 INCREASE THE SPECIAL VOCATIONAL EDUCATION OPPORTUNITIES FOR
 HANDICAPPED YOUTH THROUGH JOB TRAINING IN THE OUTDOOR LABORATORY
 ENVIRONMENT), 25 OBJECTIVES (SUCH AS TO UNDERSTAND AND RESPECT
 THE NEED FOR ECOLOGICAL CONTROLS), CURRICULUM SEQUENCE, FORMAT,
 METHODS, EVALUATION, AND RESOURCES. INCLUDED IN PART II ON
 DEVELOPING PROGRAMS AND SERVICES FOR THE HANDICAPPED ARE BRIEF
 SECTIONS ON THE CLASSIFICATION, INCIDENCE, AND EDUCATIONAL
 PROVISIONS FOR MENTALLY RETARDED, HEARING IMPAIRED, SPEECH
 IMPAIRED, VISUALLY IMPAIRED, EMOTIONALLY DISTURBED AND SOCIALLY
 MALADJUSTED, CRIPPLED AND HEALTH IMPAIRED, AND SPECIFICALLY
 LEARNING DISABLED CHILDREN. THE REMAINDER OF THE DOCUMENT IS
 DEVOTED TO INFORMATION NECESSARY TO FILLING OUT SUCH FORMS AS
 PROGRAM APPLICATIONS, VOCATIONAL EDUCATION APPLICATIONS,
 EXPENDITURE AND TRAVEL REIMBURSEMENT REPORTS, AND ENCUMBRANCES
 REPORTS. SAMPLE FORMS AND APPLICATIONS ARE ALSO PROVIDED. (SB)

ED - ED116883
 CH - RC008955
 AU - SMATHERS, KEENER M.
 TT - OUTWARD BOUND IN THE PROFESSIONAL EDUCATION OF TEACHERS. A STUDY
 OF AN EXPERIMENTAL COMPONENT IN FIELD EXPERIENCES.
 PD - 75
 IS - RIE76MAY
 IN - NATIONAL CONFERENCE ON OUTDOOR PURSUITS IN HIGHER EDUCATION.
 SN - DEWITT WALLACE / READER'S DIGEST FUND, PLEASANTVILLE, N.Y.
 PR - EDRS PRICE MF-\$0.76 HC-\$3.32 PLUS POSTAGE
 AV - OFFICE OF WILDERNESS EXPERIENCES, APPALACHIAN STATE UNIVERSITY,
 BOONE, NORTH CAROLINA 28608 (\$3.00)
 NO - 60P.
 DE - *COMPARATIVE ANALYSIS; HIGHER EDUCATION; HUMANISM
 DE - *OUTDOOR EDUCATION; *SELF CONCEPT; STUDENT TEACHER RELATIONSHIP
 DE - *STUDENT TEACHING; *TEACHER EDUCATION
 ID - APPALACHIAN STATE UNIVERSITY; *OUTDOOR BOUND; STRESS EXPERIENCES
 AB - IN AN EFFORT TO MEASURE THE IMPACT OF OUTWARD BOUND (OB)
 EDUCATION ON TEACHER CANDIDATES, AN 18-DAY STRESS EXPERIENCE WAS
 ARRANGED FOR 12 APPALACHIAN STATE UNIVERSITY STUDENTS AND THEN
 COMPARED WITH THE EFFECTS OF THE NORMAL 11-WEEK STUDENT TEACHER
 EXPERIENCES OF TWO OTHER GROUPS. THE OB GROUP UNDERWENT A SERIES
 OF INDIVIDUAL AND GROUP WILDERNESS PROBLEMS INVOLVING
 CROSS-COUNTRY BACK PACKING, ROCK CLIMBING, WHITE WATER RAFTING,
 AND A THREE-DAY WILDERNESS SOLO WITHOUT FOOD. THE OB STUDENTS
 WERE ALSO GIVEN A DIME AND ASKED TO "MAKE DO" IN ATLANTA, GEORGIA
 FOR SEVERAL DAYS. LEARNING BY DOING AND GROUP COOPERATION WERE
 EMPHASIZED. DURING THE REMAINING 8 WEEKS OF THE SEMESTER, THESE
 STUDENTS TAUGHT IN A CLASSROOM. PRE- AND POST-ASSESSMENTS BY OB
 STUDENTS OF THEIR OVERALL PROFESSIONAL EDUCATION AND THEIR
 PERSONAL TEACHING READINESS AND PERFORMANCE WERE POSITIVE, AS
 WERE THEIR SUMMARIZATION STATEMENTS. EVALUATIONS BY PUBLIC SCHOOL
 CLASSES AND COLLEGE SUPERVISORS DID NOT INDICATE SIGNIFICANT
 DIFFERENCES AMONG THE GROUPS, BUT PRE- AND POST-INVENTORIES
 RELATIVE TO THE TOTAL CONTRIBUTION OF PROFESSIONAL EDUCATION TO
 TEACHING READINESS SHOWED MARKED CHANGES IN FAVOR OF OB, WHILE
 THE OTHER GROUPS' RESPONSES DID NOT VARY. SPECIFICALLY, THE OB
 GROUP GAINED IN: (1) TEACHER SELF-CONFIDENCE; (2) STUDENT
 INVOLVEMENT (INVOLVING STUDENTS); AND (3) HUMANISM (HUMANISTIC
 RECEPTIVITY TO OTHERS). (JC)

ED - ED116910
 CH - SE019468
 TI - CAMPING SKILLS. ENVIRONMENTAL EDUCATION CURRICULUM.
 PD - APR 73
 IS - RIE76MAY
 IN - TOPEKA PUBLIC SCHOOLS, KANS.
 SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE),
 WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.76 HC-\$1.95 PLUS POSTAGE
 NO - 35P.; CONTAINS OCCASIONAL LIGHT TYPE
 DE - *CAMPING; CONSERVATION EDUCATION; CURRICULUM DEVELOPMENT; ECOLOGY
 DE - *EDUCABLE MENTALLY HANDICAPPED; *ENVIRONMENTAL EDUCATION
 DE - FIELD TRIPS; OUTDOOR EDUCATION; RECREATIONAL ACTIVITIES
 DE - SCIENCE EDUCATION; *SECONDARY GRADES; *TEACHING GUIDES
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
 AB - THIS UNIT ON CAMPING SKILLS IS DESIGNED FOR SPECIAL EDUCATION
 STUDENTS AT THE HIGH SCHOOL LEVEL. THE OBJECTIVE OF THE UNIT IS
 TO PROVIDE STUDENTS WITH AN ADEQUATE CAMPING KNOWLEDGE AND SKILL
 DEVELOPMENT TO ALLOW THEM TO PARTICIPATE IN CAMPING ACTIVITIES.
 THERE IS AN EMPHASIS ON MAINTAINING ENVIRONMENTAL QUALITY AS A
 PART OF GOOD CAMPING PRACTICES. TOPICS IN THIS UNIT INCLUDE
 REASONS FOR CAMPING, SELECTING THE CAMPING EQUIPMENT, CLOTHES FOR
 CAMPING, SELECTING A CAMPSITE, AND THE SETTING UP AND TAKING DOWN
 OF A TENT. EACH OF THE 10 TOPICS PROVIDES THE TEACHER AND STUDENT
 WITH AN OVERALL OBJECTIVE AND A NUMBER OF RELATED ACTIVITIES. TO
 FURTHER AID TEACHERS, THE APPENDIX INCLUDES INFORMATION ON
 BUILDING A CAMPFIRE, PITCHING A TENT, AND COOKING CAMPFIRE MEALS,
 PLUS OTHER TOPICS. DIRECTIONS FOR PLANNING THE ULTIMATE CAMPING
 FIELD TRIP ARE GIVEN IN DETAIL FOR THE TEACHER AND OTHER ADULT
 PARTICIPANTS. (MA)

ED - ED116913
 CH - SE019782
 TI - DIRECTORY OF NATURE CENTERS AND RELATED ENVIRONMENTAL EDUCATION FACILITIES. THIRD REVISION.
 PD - JAN 75
 IS - RIE76MAY
 IN - NATIONAL AUDUBON SOCIETY, NEW YORK, N.Y.
 PR - EDRS PRICE MF-\$0.76 HC-\$6.97 PLUS POSTAGE
 AV - NATIONAL AUDUBON SOCIETY, NATURE CENTER PLANNING DIVISION, 950 THIRD AVENUE, NEW YORK, N.Y. 10022 (\$3.00)
 NO - 130P.
 DE - *DIRECTORIES; EDUCATIONAL FACILITIES; *ENVIRONMENTAL EDUCATION
 DE - *FACILITIES; NATURAL RESOURCES; *NATURE CENTERS
 DE - *OUTDOOR EDUCATION; RECREATIONAL FACILITIES; RESOURCE CENTERS
 ID - CANADA; UNITED STATES
 AB - THIS DIRECTORY IS PART OF A CONTINUING EFFORT TO IDENTIFY FACILITIES ACTIVELY INVOLVED IN ENVIRONMENTAL EDUCATION. DESIGNED AS A GUIDE FOR THE CASUAL VISITOR AS WELL AS THE PROFESSIONAL PERSON, IT AIMS TO STIMULATE INTEREST IN NATURE CENTERS, IMPROVE COMMUNICATION AMONG FACILITIES, AND ENCOURAGE DEVELOPMENT OF NEW AND BETTER ONES. THIS THIRD REVISION CONTAINS A LISTING OF 558 FACILITIES, INCLUDING 41 IN CANADA. DIRECTORY ENTRIES CONSIST OF ABSTRACTED INFORMATION FROM A QUESTIONNAIRE DESIGNED BY THE NATURE PLANNING DIVISION OF THE NATIONAL AUDUBON SOCIETY. ARRANGED ALPHABETICALLY BY STATE OR PROVINCE, EACH ENTRY INCLUDES THE NAME, ADDRESS, TELEPHONE NUMBER, AND ORGANIZATION RESPONSIBLE FOR OPERATION AND MAINTENANCE. THOSE FACILITIES PRIMARILY SCHOOL-ORIENTED ARE INDICATED WITH AN ASTERISK. OTHER INFORMATION INCLUDES FACILITY SIZE, PROGRAM OFFERINGS, AVAILABILITY OF SELF-GUIDED TOURS, AND TIME THE FACILITY IS OPEN. IN ADDITION, THIS DIRECTORY PROVIDES A LIST OF FACILITIES PRIMARILY CONCERNED WITH OUTDOOR INTERPRETATION. OPERATION AND MAINTENANCE ARE BY THE FOLLOWING FEDERAL AGENCIES: BUREAU OF RECLAMATION, FOREST SERVICE, FISH AND WILDLIFE SERVICE, NATIONAL PARK SERVICE, SOIL CONSERVATION SERVICE, AND TENNESSEE VALLEY AUTHORITY. LISTED ALPHABETICALLY. ENTRIES CONTAIN THE NAME, ADDRESS, TELEPHONE NUMBER, AGENCY RESPONSIBLE FOR OPERATION, AND A BRIEF DESCRIPTION. FOR ADDITIONAL INFORMATION, INDIVIDUAL FACILITIES CAN BE CONTACTED PERSONALLY. (BP)

ED - ED118306
 CH - RC008981
 TI - OUTDOOR EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS).
 ERIC/CRESS SUPPLEMENT NO. 5.
 PD - MAR 76
 IS - RIE76JUN
 IN - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON
 RURAL EDUCATION AND SMALL SCHOOLS.
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$10.03 PLUS POSTAGE
 CG - 400-75-0025.
 AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT
 BLVD., AUSTIN, TEXAS 78702 (STOCK NO. EC-035, \$7.00)
 ND - 199P.; FOR RELATED DOCUMENT, SEE ED 101 907
 DE - *ABSTRACTS; *CONSERVATION EDUCATION; CURRICULUM GUIDES
 DE - EMOTIONALLY DISTURBED; *ENVIRONMENTAL EDUCATION
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION
 DE - PROGRAM DESCRIPTIONS; RESOURCE GUIDES; SCIENCE EDUCATION
 DE - SUBJECT INDEX TERMS; TEACHING GUIDES
 ID - CIJE; CURRENT INDEX JOURNALS IN EDUCATION; RESEARCH IN EDUCATION
 ID - RIE
 AB - A SUPPLEMENT TO 5 PREVIOUS BIBLIOGRAPHIES, THIS BIBLIOGRAPHY
 PROVIDES ACCESS TO SOME OF THE LATEST RESOURCE MATERIAL, RESEARCH
 FINDINGS, AND/OR DEVELOPMENTS IN OUTDOOR EDUCATION. PART I
 CONTAINS 143 CITATIONS AND ABSTRACTS WHICH APPEARED IN "RESOURCES
 IN EDUCATION" (RIE) FROM THE JANUARY 1975 ISSUE THROUGH THE
 DECEMBER 1975 ISSUE. PART II INCLUDES 61 CITATIONS OF JOURNAL
 ARTICLES WHICH APPEARED IN "CURRENT INDEX TO JOURNALS IN
 EDUCATION" (CIJE) FROM THE JANUARY 1975 ISSUE THROUGH THE
 DECEMBER 1975 ISSUE. IN ADDITION TO OUTDOOR EDUCATION, THE
 CITATIONS COVER SUCH TOPICS AS CONSERVATION EDUCATION,
 EDUCATIONAL PROGRAMS, EMOTIONALLY DISTURBED, ENVIRONMENTAL
 EDUCATION, NATURAL RESOURCES, NATURE CENTERS, LEARNING
 ACTIVITIES, SCIENCE EDUCATION, AND URBAN ENVIRONMENT. TYPES OF
 MATERIALS CITED INCLUDE CURRICULUM GUIDES, RESEARCH REPORTS,
 RESOURCE GUIDES, INSTRUCTIONAL MATERIALS, PROGRAM DESCRIPTIONS,
 AND TEACHING GUIDES. A COMBINED RIE AND CIJE SUBJECT INDEX IS
 PROVIDED TO ASSIST THE USER IN LOCATING CITATIONS PERTAINING TO A
 GIVEN SUBJECT AREA WITHIN THE REALM OF OUTDOOR EDUCATION.
 ORDERING INFORMATION IS INCLUDED. (NQ)

- ED - ED118307
 CH - RC008982
 AU - SKLIAR, NORMAN, ED.
 TI - THE BEST OF "THE COMMUNICATOR", 1970-1975.
 PD - 75
 IS - RIE76JUN
 IN - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, SYRACUSE.
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE
 AV - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, BOX 26, SYRACUSE,
 NEW YORK 13215 (\$2.00)
 NO - 87P.; A BOOKLET OF SELECTED ARTICLES DUPLICATED FROM "THE
 COMMUNICATOR", 1970-75
 DE - ART; *CONSERVATION EDUCATION; *CURRICULUM ENRICHMENT
 DE - *EDUCATIONAL PHILOSOPHY; *LEARNING ACTIVITIES
 DE - LEARNING LABORATORIES; NATURAL RESOURCES; NATURE CENTERS
 DE - *OUTDOOR EDUCATION; PERIODICALS; RESIDENT CAMP PROGRAMS
 DE - SOCIAL STUDIES; TEACHER EDUCATION; TEACHING TECHNIQUES; TRAILS
 AB - THE NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION IS DEDICATED TO:
 (1) THE PROFESSIONAL IMPROVEMENT OF PERSONS INTERESTED AND
 INVOLVED IN OUTDOOR EDUCATION, AND (2) THE DEVELOPMENT OF
 ATTITUDES, VALUES, AND BEHAVIOR NECESSARY FOR THE WISE USE OF
 NATURAL RESOURCES. ITS MAJOR GOAL IS THE ENRICHMENT OF
 EDUCATIONAL CURRICULUMS THROUGH THE USE OF THE OUTDOORS AS A
 LIVING AND LEARNING LABORATORY. "THE COMMUNICATOR", THE
 ASSOCIATION'S OFFICIAL JOURNAL, CONSISTS OF ARTICLES CONTRIBUTED
 BY OUTSTANDING AUTHORITIES IN OUTDOOR EDUCATION. DUE TO NUMEROUS
 REQUESTS FOR BACK ISSUES OF "THE COMMUNICATOR", THIS BOOKLET
 PROVIDES 30 ARTICLES WHICH APPEARED IN VARIOUS ISSUES BETWEEN
 1970 AND 1975. ADDRESSING THE ASSOCIATION'S GOALS, THE ARTICLES
 DEAL WITH OUTDOOR EDUCATION PHILOSOPHY AND METHODOLOGY,
 ECOLOGICAL CLASSROOMS, RESIDENT CAMPING EXPERIENCES, TEACHING
 TIPS, AND CLASSROOM PROJECTS. AMONG THE TOPICS ARE: OUTDOOR
 EDUCATION IN THE EDUCATIVE PROCESS, BASIC CONSIDERATIONS FOR
 OUTDOOR EDUCATION, ENVIRONMENTAL PROGRAMS, NATURE TRAILS,
 PROFESSIONAL PREPARATION IN OUTDOOR EDUCATION, TEACHING SOCIAL
 STUDIES AND ART OUTDOORS, ORIENTEERING, SURVIVAL, THE OUTDOORS AS
 A LEARNING CENTER, ECOLOGY, AND THE ENVIRONMENTAL CRISIS. (NQ)

ED - ED118336
 CH - RC009012
 AU - METCALFE, JOHN A.
 TI - ADVENTURE PROGRAMMING.
 PD - MAR 76
 IS - RIE76JUN
 IN - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON
 RURAL EDUCATION AND SMALL SCHOOLS.
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE
 CG - NIE-C-400-75-0025
 AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT
 BLVD., AUSTIN, TEXAS 78702 (STOCK NO. EC-036; \$3.00)
 NO - 56P.
 DE - *EDUCATIONAL OBJECTIVES; EQUIPMENT; EVALUATION NEEDS
 DE - FACILITY REQUIREMENTS; FINANCIAL SUPPORT; FOOD; *HIGHER EDUCATION
 DE - HISTORICAL REVIEWS; INFORMATION SOURCES; *OUTDOOR EDUCATION
 DE - PLANNING; *PROGRAM DESCRIPTIONS; *PROGRAM DEVELOPMENT
 ID - *ADVENTURE EDUCATION
 AB - SUMMARIZING THE HISTORICAL DEVELOPMENT OF ADVENTURE EDUCATION
 CONCEPTS AND PROGRAMS, THIS PUBLICATION DESCRIBES PAST AND
 PRESENT PROGRAMS AND PRESENTS SUGGESTIONS RELATIVE TO FUTURE
 PROGRAMMING. SPECIFICALLY, THE FOLLOWING ARE DISCUSSED: (1)
 INFORMAL EDUCATION PROGRAMS (OUTWARD BOUND; THE NATIONAL OUTDOOR
 LEADERSHIP SCHOOL; AND OTHER INFORMAL PROGRAMS); (2) FORMAL
 EDUCATION PROGRAMS (COLLEGE LEADERSHIP IN ADVENTURE
 PROGRAMS--DARTMOUTH, BRIGHAM YOUNG, AND A LIST OF HIGHER
 EDUCATION INSTITUTIONS CURRENTLY OFFERING ADVENTURE EDUCATION
 PROGRAMS); (3) PROGRAM DEVELOPMENT (THE WAYS AND MEANS OF PROGRAM
 JUSTIFICATION AND INITIATION); (4) FUNDING (QUALITY PLANNING,
 GOVERNMENT GRANTS, AND COMMUNITY AND BUSINESS DONATIONS); (5)
 EQUIPMENT AND FACILITIES (USED, SURPLUS, STUDENT OWNED, AND HAND
 MADE EQUIPMENT AND EQUIPMENT COST EFFECTIVENESS, MAINTENANCE, AND
 SAFETY); (6) FOOD (STUDENT INVOLVED DECISION MAKING AND THE
 WEIGHT AND COST FACTORS); (7) PROGRAM PLANNING (SITE SELECTION;
 GROUP SIZE; PROGRAM LENGTH; ECOLOGICAL CONSIDERATIONS; SAFETY;
 STAFFING AND CERTIFICATION; HUMAN RELATIONS; TECHNICAL SKILLS;
 STUDENT AND LEADER RESPONSIBILITIES); (8) PROGRAM EVALUATION
 NEEDS (SCIENTIFIC VS VALUE JUDGMENT EVALUATIONS; EXEMPLARY
 PROGRAM EVALUATIONS; BEHAVIORAL OBJECTIVES); (9) RECOMMENDATIONS
 (STANDARDS; MONITORING; TESTING AND RESEARCH; AND INFORMATION
 COORDINATION). (JC)

- ED - ED118339
 CH - PC009015
 AU - BOTT, KRISTINE ANN; BANNASCH, DONALD MAX
 TI - DISCOVERY: GUIDELINES FOR ESTABLISHING AN OUTDOOR EDUCATION PROGRAM IN SPECIAL EDUCATION, ESEA TITLE III PROJECT.
 PD - 75
 IS - R1E76JUN
 IN - MACOMB COUNTY INTERMEDIATE SCHOOL DISTRICT, MOUNT CLEMENS, MICH.
 SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE CREATIVITY IN EDUCATION.
 PR - DOCUMENT NOT AVAILABLE FROM EDRS
 AV - MACOMB INTERMEDIATE SCHOOL DISTRICT SPECIAL EDUCATION, 44001 GARFIELD ROAD, MT. CLEMENS, MICHIGAN 48043 (\$35.00 PER SET--NOT SOLD SEPARATELY)
 NO - 500P.; OVERVIEW OF MATERIALS CONTAINED IN MANUAL PRESENTED VIA A SOUND FILMSTRIP WHICH CAN BE OPERATED MANUALLY, OR IF PULSED EQUIPMENT IS AVAILABLE, AUTOMATICALLY
 DE - ACADEMIC EDUCATION; CURRICULUM GUIDES; *DISCOVERY LEARNING
 DE - ENVIRONMENTAL EDUCATION; EXCEPTIONAL STUDENTS; FILMSTRIPS
 DE - *HANDICAPPED STUDENTS; LEARNING ACTIVITIES; *OUTDOOR EDUCATION
 DE - *RESIDENT CAMP PROGRAMS; *SPECIAL EDUCATION
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
 ID - *PROJECT DISCOVERY THROUGH OUTDOO
 AB - FUNDED THROUGH THE 1965 ELEMENTARY AND SECONDARY EDUCATION ACT (ESEA) TITLE III, THE PROJECT BEGAN SERVING YOUNGSTERS HANDICAPPED EITHER PHYSICALLY, MENTALLY, OR EMOTIONALLY, WHO QUALIFIED FOR SPECIAL EDUCATION SERVICES IN THE FALL OF 1971. AMONG ITS OBJECTIVES WERE TO: (1) IMPROVE THESE YOUNGSTERS' ACHIEVEMENT IN REGULAR SCHOOL SUBJECTS, THEIR SELF-CONCEPTS, INTERPERSONAL RELATIONSHIPS, AND LEISURE SKILL; (2) TRAIN SPECIAL EDUCATION TEACHERS TO USE THE OUTDOORS TO PROVIDE LEARNING OPPORTUNITIES TO THESE YOUNGSTERS; AND (3) TEST AN OUTDOOR EDUCATION MODEL FOR IMPROVING THE LEARNING AND LIVES OF THESE CHILDREN. THE MANUAL AND FILMSTRIPS WERE CREATED TO DISSEMINATE IDEAS WHICH WERE COLLECTED AND FOUND SUCCESSFUL DURING 3 YEARS OF OPERATION. DIVIDED INTO SECTIONS BY TABS FOR EASY REFERENCE, THE MANUAL SUGGESTS METHODS AND PROCEDURES IN THE SEQUENCE NECESSARY TO SET UP AND CARRY OUT AN OUTDOOR LABORATORY EXPERIENCE. AMONG THE TOPICS COVERED ARE: TEACHER IN-SERVICE, PREPLANNING, THE OUTDOOR LABORATORY SITE, SCHEDULES, INSURANCE, TRANSPORTATION, FIRST AID, CAMP RULES, KITCHEN DUTIES, EQUIPMENT, MATH, SCIENCE, SOCIAL STUDIES, LANGUAGE ARTS, MUSIC, PHYSICAL EDUCATION, ARTS AND CRAFTS, FIRE, HIKES AND SCAVENGER HUNTS, RAINY DAY ACTIVITIES, WINTER ACTIVITIES, EVALUATION, DISABILITY CONSIDERATIONS, PERMISSION SLIPS AND HEALTH FORMS, COUNSELORS, AND RESOURCE PEOPLE. (NQ)

ED - ED118342
 CH - RC009019
 AU - VITALE, JOSEPH A.
 TI - OUTDOOR EDUCATION GUIDE-HANDBOOK, WAUKESHA PUBLIC SCHOOLS.
 PD - SEP 75
 IS - RIE76JUN
 IN - WAUKESHA PUBLIC SCHOOLS, WIS.
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE
 NO - 80P.
 DE - *ACTIVITIES; CAMPING; CONCEPT FORMATION; *CURRICULUM GUIDES
 DE - *ELEMENTARY EDUCATION; *FIELD TRIPS; LANGUAGE ARTS; LESSON PLANS
 DE - MATHEMATICS; *OUTDOOR EDUCATION; PHYSICAL EDUCATION
 DE - SCIENCE ACTIVITIES; SENSORY TRAINING; SOCIAL STUDIES
 ID - *WISCONSIN (CAMP PHANTOM LAKE)
 AB - DESIGNED BY THE WAUKESHA PUBLIC SCHOOLS (WISCONSIN) SPECIFICALLY FOR AN ELEMENTARY LEVEL THREE-DAY CAMPING TRIP AT CAMP PHANTOM LAKE, THIS OUTDOOR EDUCATION GUIDE PRESENTS SOME ACTIVITIES WHICH SUGGEST ADAPTATION. ACTIVITY DIRECTIONS, PLANS, WORKSHEETS, EVALUATION SHEETS, AND ILLUSTRATIONS ARE PRESENTED IN SEQUENTIAL ORDER FOR THE FOLLOWING DISCIPLINES WHICH, BY DESIGN, FREQUENTLY OVERLAP: (1) MATHEMATICS (ACTIVITIES INVOLVING MEASUREMENT OF HEIGHT, DISTANCE, HILLS, TRIANGLES)-; (2) SOCIAL STUDIES (ACTIVITIES INVOLVING MAP AND COMPASS SKILLS VIA USE OF A COMPASS TRAIL); (3) SCIENCE (SCIENTIFIC OBSERVATION USING A "MICRO TRAIL" APPROACH, OBSERVATION TOOLS, AND SENSORY SKILLS); (4) LANGUAGE ARTS (AN ACTIVITY PROGRESSING FROM MEDITATION TO CREATIVE WRITING AND INCLUDING DISCUSSIONS, SKETCHING, WATER COLOR PAINTING, PANTOMIMING, AND POETRY); (5) PHYSICAL EDUCATION (FRISBEE TOSS, RUN AND SUMMERSAULT RELAY, ENDURANCE RACE, FOOTBALL THROW, LEAP FROG, KICKBALL, AND TUG OF WAR). INDICATIVE OF THE VARIETY OF ACTIVITIES PRESENTED ARE: (1) A CANDLELIGHT CEREMONY DESIGNED TO OFFER STUDENTS OPPORTUNITY TO EXPRESS A "GUT" FEELING TO THE GROUP; (2) A SECTION ON WATER POLLUTION TESTING (CHEMICAL ANALYSIS, FILMSTRIP, AND QUESTIONS); (3) A GUIDE TO MAKING A "FRIENDSHIP STICK" (EMPHASIS ON SYMBOLIC SIGNIFICANCE). ALSO INCLUDED ARE A 46-ITEM AWARENESS TEST AND THE NECESSARY SCHOOL FORMS FOR SUCH AN OUTING. (JC)

- ED - ED118347
 CH - SE013550
 AU - SHUGRUE, SYLVIA K., COMP.; LAMBERTON, BERENICE, COMP.
 TI - ENVIRONMENTAL EDUCATION IN THE ELEMENTARY SCHOOL. A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN.
 PD - 72
 IS - RIET6JUN
 IN - NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
 AV - NATIONAL SCIENCE TEACHERS ASSOCIATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036 (STOCK NUMBER 471-14626, \$2.75; DISCOUNTS ON QUANTITY ORDERS)
 NO - 50P.
 DE - CONSERVATION EDUCATION; *EARTH SCIENCE; *ECOLOGY
 DE - *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; FIELD TRIPS
 DE - INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES
 DE - OUTDOOR EDUCATION; SCHOOL COMMUNITY PROGRAMS
 AB - INCLUDED IN THIS DOCUMENT ARE A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN. THEY FOCUS ON ENVIRONMENTAL EDUCATION IN THE ELEMENTARY SCHOOL, AND PRESENT A NUMBER OF ENVIRONMENTAL PERSPECTIVES. THOSE CONCERNING GENERAL OR BACKGROUND INFORMATION ARE: AN EXAMINATION OF ENVIRONMENTAL EDUCATION; CHILDREN'S ATTITUDES ABOUT THE ENVIRONMENT; TEACHING RESOURCES IN THE NATIONAL PARKS; AND A SCHOOL/COMMUNITY EFFORT TO PRESERVE AN URBAN ENVIRONMENTAL STUDY AREA. ECOLOGY IS TREATED THROUGH INVESTIGATIONS AT THE INDIVIDUAL LEVEL, POPULATIONS OF ONE SPECIES, COMMUNITIES, AND ECOSYSTEMS. ADAPTING TRADITIONAL ACTIVITIES TO AN ECOLOGICAL APPROACH, EMPHASIZING CONCEPTS OF INTERACTION AND CHANGE, IS SUGGESTED. EARTH SCIENCE EXPERIENCES TO INCREASE AWARENESS OF THE CHILD'S OWN AND NATURAL ENVIRONMENT CENTER ON SITE EXPERIENCES. THEY FOCUS ON ANALYZING SMALL PARTS OF A LARGER ENVIRONMENT--INVESTIGATING CHANGE, AGE, MOVEMENT, EROSION, DEPOSITION, ETC. THE FIELD TRIP IS PRESENTED UTILIZING A CONCEPTUAL APPROACH TO DEVELOP ENVIRONMENTAL RELATIONSHIPS. SUGGESTED ACTIVITIES FOR CHILDREN FOR OBSERVING THEIR TOWN AS A MAN-DOMINATED BIOTIC COMMUNITY ARE EXAMINING CONSTRUCTION, TREE IDENTIFICATION, SOIL SAMPLES, ZOO TRIPS, FOOD CHAINS, AND SUCCESSION. A CALENDAR FOR TEACHING CONSERVATION ACTIVITIES IS CONSTRUCTED. ONE ARTICLE IS DEVOTED TO THE ASSOCIATIONS BETWEEN NATURE AND CREATIVITY. REFERENCES ARE INCLUDED FOLLOWING SOME ARTICLES. (BP)

ED - ED118360
 CH - SE019784
 AU - ZUBLER, JOHN R.; HOOVER, NORMAN K.
 TI - GUIDELINES FOR PLANNING, DEVELOPING, UTILIZING AND MAINTAINING
 OUTDOOR ENVIRONMENTAL EDUCATION LABORATORIES.
 PD - 75
 IS - RIE76JUN
 IN - PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG. BUREAU OF
 VOCATIONAL, TECHNICAL, AND CONTINUING EDUCATION.
 IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF AGRICULTURE.
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE
 NO - 46P.; TEACHER EDUCATION RESEARCH SERIES, V16 N2 1975
 DE - EDUCATIONAL FACILITIES; *ENVIRONMENTAL EDUCATION; *FACILITIES
 DE - *FACILITY GUIDELINES; GUIDELINES; NATURE CENTERS
 DE - *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT; RESOURCE CENTERS
 AB - THIS PUBLICATION IS DESIGNED TO PROVIDE ASSISTANCE IN THE
 ACQUISITION OF FACILITIES AND PROGRAM DEVELOPMENT IN
 ENVIRONMENTAL EDUCATION. THE DESCRIPTIVE MATERIAL IS GROUPED
 UNDER THREE HEADINGS: PLANNING THE PROGRAM, DEVELOPING THE
 FACILITY, AND UTILIZING AND MAINTAINING THE OUTDOOR LABORATORY.
 APPENDICES INCLUDE SOURCES OF ENVIRONMENTAL EDUCATION MATERIALS,
 EDUCATIONAL LABORATORIES, AND CONSERVATION ORGANIZATIONS. (BP)

ED - ED118362
 CH - SE019840
 AU - WISHART, A. PAUL, COMP.; CHILDRESS, RONALD, COMP.
 TI - A DIRECTORY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL
 ENVIRONMENTAL EDUCATION PROGRAMS AND PROJECTS IN THE UNITED
 STATES.
 PD - SEP 75
 IS - RIF76JUN
 IN - TENNESSEE UNIV., KNOXVILLE. BUREAU OF EDUCATIONAL RESEARCH AND
 SERVICE.
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE
 NO - 51P.
 DE - *DIRECTORIES; EDUCATIONAL PROGRAMS; *ELEMENTARY SCHOOLS
 DE - *ENVIRONMENTAL EDUCATION; FIELD EXPERIENCE PROGRAMS
 DE - *OUTDOOR EDUCATION; PROJECTS; *SECONDARY SCHOOLS
 AB - A SURVEY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENVIRONMENTAL
 PROGRAMS AND PROJECT CURRICULA WAS CONDUCTED BY THE UNIVERSITY OF
 TENNESSEE AT KNOXVILLE. FROM THE INFORMATION RECEIVED, THIS
 DIRECTORY WAS COMPILED, THE PURPOSE BEING TO FACILITATE THE
 ESTABLISHMENT OF A NATIONAL COMMUNICATION AND INFORMATION
 DELIVERY SYSTEM AMONG OPERATIONAL PROGRAMS AND PROJECTS. THE
 SOURCES ARE PRESENTED IN TWO SECTIONS. ONE CONTAINS THOSE
 PROGRAMS AND PROJECTS RESPONDING TO THE SURVEY INSTRUMENT IN THE
 RESEARCH STUDY. THE SECOND SECTION TREATS PROGRAMS AND PROJECTS
 WHICH DID NOT RESPOND TO THE SURVEY. ARRANGED ALPHABETICALLY BY
 STATE, EACH ENTRY PROVIDES THE DIRECTOR/CO-DIRECTOR, PROGRAM OR
 PROJECT, AND THE ADDRESS. APPENDED MATERIALS ARE ALSO PRESENTED
 IN TWO SECTIONS. THE FIRST CONTAINS AN ALPHABETICAL LISTING OF
 STATE EDUCATION AGENCY COORDINATORS FOR ENVIRONMENTAL EDUCATION,
 WHO IDENTIFIED THEIR PUBLIC SCHOOL PROGRAMS AND PROJECTS
 APPLICABLE TO THE STUDY POPULATION. ONLY ONE STATE AGENCY
 REPRESENTATIVE DID NOT RESPOND TO THE SURVEY. THE SECOND APPENDIX
 IS A LISTING OF ORGANIZATIONS, AGENCIES, AND PERSONS KNOWN TO BE
 WORKING IN THE FIELD OF ENVIRONMENTAL EDUCATION, FROM WHICH
 APPLICABLE STUDY PROGRAMS/PROJECTS WERE REQUESTED. MORE THAN TWO
 THIRDS OF THOSE CONTACTED PROVIDED RESPONSES. (BP)

ED - ED118376
CH - SE020155
AU - HETZEL, GEORGE K.; SMITH, DWIGHT R.
TI - FISHING. UNIT 1, COLORADO DIVISION OF WILDLIFE.
PD - 75
IS - RIE76JUN
IN - COLORADO STATE UNIV., FT. COLLINS. COOPERATIVE EXTENSION SERVICE.
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - MS. BARBARA GOFF, 4-H OFFICE, AYLESWORTH HALL NW, COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO 80523 (\$0.69, PLUS SHIPPING AND HANDLING COSTS)
NO - 26P.; FOR RELATED DOCUMENTS, SEE SE 020 154-157
DE - *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; *NATURAL RESOURCES
DE - OUTDOOR EDUCATION; *RECREATION; STUDENT PROJECTS
DE - WILDLIFE MANAGEMENT
ID - COLORADO; *FISHING
AB - THIS BOOKLET ON FISHING IS PART OF A SERIES DEVELOPED TO ENCOURAGE YOUTH TO PURSUE OUTDOOR PROJECTS. FISH ANATOMY, EQUIPMENT, CASTING TECHNIQUES, KNOT AND LEADER TYING, HOOKS, FISHING AREAS, CLEANING AND COOKING FISH, TYPES OF BAIT, LURES, AND REGULATIONS ARE DISCUSSED AND ILLUSTRATED. SUGGESTED ACTIVITIES AND FIELD TRIPS ARE LISTED. (MR)

ED - ED119958
 CH - SE020000
 TI - PATHWAYS TO THE OUTDOOR CLASSROOM.
 PD - 75
 IS - RIE76JUL
 IN - MINNESOTA STATE DEPT. OF NATURAL RESOURCES, ST. PAUL. BUREAU OF INFORMATION AND EDUCATION.
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.
 AV - MINNESOTA DEPARTMENT OF NATURAL RESOURCES, BUREAU OF INFORMATION AND EDUCATION, 350 CENTENNIAL OFFICE BUILDING, ST. PAUL, MINNESOTA 55155; ERIC/SMEAC, THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 (ON LOAN)
 NO - 42P.; CONTAINS NUMEROUS COLORED PHOTOGRAPHS THAT WILL NOT REPRODUCE WELL
 DE - CAMPUS PLANNING; *EDUCATIONAL PARKS; *ENVIRONMENTAL EDUCATION
 DE - *OUTDOOR EDUCATION; PARK DESIGN; SITE ANALYSIS; *SITE DEVELOPMENT
 DE - SPACE UTILIZATION; *TRAILS
 AB - THIS BIBLIOGRAPHY IS DESIGNED TO ASSIST EDUCATORS IN ESTABLISHING AN OUTDOOR CLASSROOM FOR ENVIRONMENTAL EDUCATION. A PROCESS IS DETAILED BY WHICH SCHOOL DISTRICTS CAN EFFECTIVELY AND EFFICIENTLY DEVELOP A SITE ON OR NEAR THE SCHOOL. THE FIRST STEP INVOLVES ORGANIZING A PLANNING COMMITTEE, ENLISTING ADMINISTRATIVE SUPPORT, AND DEVELOPING A BUDGET. IN THE SECOND STEP A SITE IS CHOSEN AND MAPPED WITH THE ASSISTANCE OF THE UNITED STATES GEOLOGICAL SURVEY, SOIL CONSERVATION SERVICE, AND THE DEPARTMENT OF NATURAL RESOURCES. THE BOOKLET LISTS LOCATIONS AND GENERAL FEATURES OF DIFFERENT ECOSYSTEMS: FORESTS, MARSH, SWAMP, BOG, WATER AREAS, MEADOW, PRAIRIE, CULTIVATED LAND, AND STATE-OWNED LAND. IN STEP THREE A COMPOSITE MAP IS DRAWN SHOWING MAJOR PHYSICAL, CULTURAL, AND NATURAL FEATURES. A CHART IS CONSTRUCTED FOR STEP FOUR MATCHING UNITS WITH STUDY LOCATIONS. THE BOOKLET ALSO INCLUDES SUGGESTIONS FOR MANAGING AND MAINTAINING THE SITE, A LIST OF AVAILABLE OUTDOOR ACTIVITIES AND AUDIO-VISUAL MATERIALS, AND A BIBLIOGRAPHY. (MR)

ED - ED119960
 CH - SE020012
 TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET K-3, SECOND REVISED EDITION. PRIMARY CEL BLOCKS. TEACHER'S GUIDE .
 PD - 75
 IS - RIE76JUL
 IN - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.
 SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$7.35 PLUS POSTAGE
 NO - 135P.; FOR THE RELATED INTERMEDIATE LEARNING PACKET, SEE SE 020 013
 DE - *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION
 DE - *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; OUTDOOR EDUCATION
 DE - *PRIMARY GRADES; SCIENCE ACTIVITIES; *TEACHING GUIDES
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
 AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS: PRIMARY AND INTERMEDIATE. THE MATERIAL IN THIS PUBLICATION ENCOMPASSES THE PRIMARY LEVEL. THE LEARNING MATERIALS ARE ACTIVITY-BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART, LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES. THE ACTIVITIES IN THIS PRIMARY SET CENTER ON SENSORY AWARENESS, BASIC ECOLOGICAL CONCEPTS, AND DEVELOPING POSITIVE ATTITUDES TOWARD THE ENVIRONMENT. THE MATERIALS CONSIST OF STUDENT ACTIVITY CARDS, STUDENT INFORMATION CARDS, AND THE TEACHER'S GUIDE. EACH ACTIVITY CARD INTRODUCES THE ENVIRONMENTAL CONCEPT AND LISTS ACTIVITIES AND AN INFORMAL EVALUATION. THE CARDS ARE NON-GRADED AND NON-SEQUENTIAL. THE TEACHER'S GUIDE CONTAINS OVERALL TEACHING SUGGESTIONS AND SUGGESTIONS BY CARD. IT ALSO INCLUDES REFERENCES FOR EACH CARD AND FOUR INDEXES ON SUBJECT, SUBJECT AREA AND PROCESS SKILLS, INFORMATION CARDS, AND OUTDOOR ACTIVITIES.
 (AUTHOR/MR)

ED - ED119961
 CH - SE020013
 TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET GRADES 4-6, SECOND
 REVISED EDITION. INTERMEDIATE CEL BLOCKS. TEACHER'S GUIDE .
 PD - 75
 IS - RIE76JUL
 IN - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.
 SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE),
 WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$8.69 PLUS POSTAGE
 NO - 163P.; FOR THE RELATED PRIMARY LEARNING PACKET, SEE SE 020 012
 DE - *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION
 DE - *INSTRUCTIONAL MATERIALS; *INTERMEDIATE GRADES
 DE - LEARNING ACTIVITIES; OUTDOOR EDUCATION; SCIENCE ACTIVITIES
 DE - *TEACHING GUIDES
 ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
 AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS:
 PRIMARY AND INTERMEDIATE. THE MATERIAL IN THIS PUBLICATION
 ENCOMPASSES THE INTERMEDIATE LEVEL. THE LEARNING MATERIALS ARE
 ACTIVITY-BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS
 WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS
 ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART,
 LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES.
 THE ACTIVITIES IN THIS INTERMEDIATE SET CENTER ON EXPLORATION OF
 THE ENVIRONMENT, IDENTIFYING AND SOLVING ENVIRONMENTAL PROBLEMS,
 AND DEVELOPING POSITIVE ATTITUDES TOWARD THE ENVIRONMENT. THE
 MATERIALS CONSIST OF STUDENT ACTIVITY CARDS, STUDENT INFORMATION
 CARDS, AND THE TEACHER'S GUIDE. EACH ACTIVITY CARD LISTS THE
 ENVIRONMENTAL PROBLEM, SUGGESTIONS FOR INVESTIGATING THE PROBLEM,
 AND AN INFORMAL EVALUATION. THE CARDS ARE NON-GRADED AND
 NON-SEQUENTIAL. THE TEACHER'S GUIDE CONTAINS OVERALL TEACHING
 SUGGESTIONS AND SUGGESTIONS BY CARD. IT ALSO INCLUDES REFERENCES
 FOR EACH CARD AND FOUR INDEXES ON SUBJECT, SUBJECT AREA AND
 PROCESS SKILLS, INFORMATION CARDS, AND OUTDOOR ACTIVITIES.
 (AUTHOR/MR)

ED - ED120014
 CH - SE020495
 AU - TANNER, . THOMAS
 TI - ECOLOGY, ENVIRONMENT, AND EDUCATION.
 PD - 74
 IS - RIE76JUL
 PR - DOCUMENT NOT AVAILABLE FROM EDRS
 AV - PROFESSIONAL EDUCATORS PUBLICATIONS, INC., P. O. BOX 80728,
 LINCOLN, NEBRASKA 68501 (ISBN 0-88224-073-0, \$1.75)
 NO - 106P.
 DE - CONSERVATION EDUCATION; *ECOLOGY; ELEMENTARY SECONDARY EDUCATION
 DE - *ENVIRONMENT; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
 DE - OUTDOOR EDUCATION; PHILOSOPHY; PROGRAM DESCRIPTIONS
 DE - SCIENCE EDUCATION
 AB - REVIEWED ARE THE PHILOSOPHY AND STATUS OF ENVIRONMENTAL EDUCATION
 AND SOME EXAMPLES OF ENVIRONMENTAL EDUCATION PROGRAMS AND
 MATERIALS. THE INTRODUCTION POSES PROBLEMS FACING MANKIND AND
 DISCUSSES THE ROLE OF THE ENVIRONMENTAL EDUCATOR IN THEIR
 SOLUTION. TWO CHAPTERS ARE DEVOTED TO DISCUSSION OF ISSUES IN
 ENVIRONMENTAL EDUCATION. AMONG THE ISSUES DISCUSSED ARE: "THE
 PLACE OF ENVIRONMENTAL EDUCATION IN THE SCHOOL CURRICULUM," "THE
 SCOPE AND DEFINITION OF ENVIRONMENTAL EDUCATION," "URBAN
 ENVIRONMENTAL EDUCATION," "COGNITIVE VERSUS AFFECTIVE DOMAINS IN
 ENVIRONMENTAL EDUCATION," AND "ENVIRONMENTAL EDUCATION VERSUS
 CONSERVATION EDUCATION." A CHAPTER IS DEVOTED TO DESCRIPTIONS OF
 FUNCTIONING ENVIRONMENTAL EDUCATION PROGRAMS AND SUGGESTED
 INSTRUCTIONAL MATERIALS WHICH ARE REVIEWED AND CRITIQUED. THE
 FINAL CHAPTER DISCUSSES PROFESSIONAL DEVELOPMENT IN ENVIRONMENTAL
 EDUCATION. AMONG THE TOPICS CONSIDERED IN THIS CHAPTER ARE: "A
 TEACHER WORKSHOP IN ENVIRONMENTAL EDUCATION," "JOBS IN
 ENVIRONMENTAL EDUCATION," "RESEARCH IN ENVIRONMENTAL EDUCATION,"
 AND "PROFESSIONAL READING." A CONCLUSION AND SUMMARY ARE DEVOTED
 TO THE AUTHOR'S OBSERVATIONS ON THE STATUS FUTURE OF
 ENVIRONMENTAL EDUCATION. FOOTNOTES AND A BIBLIOGRAPHY ARE
 INCLUDED. (RE)

- ED - ED121051
 CH - EC082840
 AU - SIE, MAUREEN A.; AND OTHERS
 TI - AN EDUCATIONAL ALTERNATIVE FOR SPECIAL EDUCATION.
 PD - APR 76
 IS - RIE76AUG
 IN - MACOMB COUNTY INTERMEDIATE SCHOOL DISTRICT, MOUNT CLEMENS, MICH.
 PR - EDRS PRICE MF-\$0.83 HC-\$3.50 PLUS POSTAGE
 NO - 58P.; PAPER PRESENTED AT THE 1976 MEETING OF THE AMERICAN
 EDUCATION RESEARCH ASSOCIATION (SAN FRANCISCO, CALIFORNIA,
 SESSION 28.12)
- DE - CAMPING; ELEMENTARY SECONDARY EDUCATION
 DE - EXCEPTIONAL CHILD EDUCATION; *HANDICAPPED CHILDREN
 DE - INSERVICE TEACHER EDUCATION; *OUTDOOR EDUCATION
 DE - *PROGRAM DESCRIPTIONS; *PROGRAM EVALUATION; *TESTING
 AB - DESCRIBED IS A 4-YEAR PROJECT WHICH PROVIDES 3-DAY OUTDOOR
 EDUCATION EXPERIENCES FOR ORTHOPEDICALLY HANDICAPPED, TRAINABLE
 AND EDUCABLE MENTALLY HANDICAPPED, HEARING IMPAIRED, AND
 PHYSICALLY IMPAIRED STUDENTS FROM 3 TO 24 YEARS OF AGE. THE
 FOLLOWING PROGRAM OBJECTIVES ARE DESCRIBED: (1) TO IMPROVE
 ACHIEVEMENT IN REGULAR SCHOOL SUBJECTS, SELF CONCEPTS,
 INTERPERSONAL RELATIONSHIPS, AND LEISURE SKILLS; (2) TO TRAIN
 SPECIAL EDUCATION TEACHERS IN OUTDOOR EDUCATION SKILLS; (3) TO
 TEST AN OUTDOOR EDUCATION MODEL WITH HANDICAPPED CHILDREN; AND
 (4) TO EDUCATE AND INVOLVE PARENTS OF HANDICAPPED CHILDREN. THE
 PROJECT IS REPORTED TO HAVE DEVELOPED A HANDBOOK ON OUTDOOR
 EDUCATION DEALING WITH DAILY LIVING SKILLS, ARITHMETIC, SCIENCE,
 SOCIAL STUDIES, LANGUAGE ARTS, MUSIC, AND PHYSICAL EDUCATION.
 RESULTS OF PROGRAM EVALUATION AFTER THE THIRD YEAR ARE REPORTED
 TO SHOW THE TEACHER TRAINING COMPONENT TO BE HIGHLY SUCCESSFUL,
 THE LEARNING SESSIONS FOR THE VARIOUS HANDICAPPED GROUPS TO MEET
 THE STATED OBJECTIVES, AND STATISTICALLY SIGNIFICANT GAINS IN
 BASIC CONCEPTS FOR THE TRAINABLES IN THE EXPERIMENTAL GROUP.
 APPENDED ARE AN INSTRUMENT FOR THE TEACHER WORKSHOP ON OUTDOOR
 EDUCATION, TEACHER MADE CAMP TESTS FOR EACH EXCEPTIONALITY, AND
 INSTRUMENTS TO EVALUATE AFFECTIVE AND PSYCHOMOTOR DOMAINS.
 (AUTHOR/DB)

- ED - ED121628
 CH - SE020820
 AU - DISINGER, JOHN F., ED.; BOWMAN, MARY LYNNE, ED.
 TI - ENVIRONMENTAL EDUCATION 1975: A STATE-BY-STATE REPORT.
 PD - DEC 75
 IS - PIE76AUG
 IN - ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION, COLUMBUS, OHIO.
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$16.73 PLUS POSTAGE
 AV - INFORMATION REFERENCE CENTER (ERIC/IRC), THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 (\$6.50)
 NO - 324P.; FOR VOLUMES 1-5, SEE ED 085 262, ED 086 513-515, AND ED 087 624
 DE - BIBLIOGRAPHIES; COLLEGE SCIENCE; *DIRECTORIES
 DE - *EDUCATIONAL PROGRAMS; *ENVIRONMENTAL EDUCATION; HUMAN RESOURCES
 DE - INSTRUCTIONAL MATERIALS; OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS
 DE - RESOURCE MATERIALS; SCIENCE EDUCATION; *STATE PROGRAMS
 AB - THIS COMPILATION DEALS WITH CURRENT PROGRAMS IN ENVIRONMENTAL EDUCATION IN ALL 50 STATES, THE DISTRICT OF COLUMBIA, AND THE TERRITORY OF GUAM. ARRANGED STATE-BY-STATE, THIS VOLUME DETAILS SUCH INFORMATION AS: STATE PLANS FOR ENVIRONMENTAL EDUCATION, ENVIRONMENTAL EDUCATION LEGISLATION, TEACHER CERTIFICATION, STATE COORDINATORS FOR ENVIRONMENTAL EDUCATION, STATE ENVIRONMENTAL EDUCATION PUBLICATIONS AND SOURCES, EXEMPLARY STATE PUBLIC SCHOOL PROGRAMS IN ENVIRONMENTAL EDUCATION, COLLEGE AND UNIVERSITY ACTIVITIES IN ENVIRONMENTAL EDUCATION, AND ACTIVITIES IN ENVIRONMENTAL EDUCATION BY RESPECTIVE STATE RESOURCES AGENCIES. THE STATE-BY-STATE REPORTS ARE PREFACED BY A BRIEF REVIEW OF THE DOCUMENT'S PREPARATION AND RECOMMENDATIONS FOR ITS APPLICATION. A LIST OF DOCUMENTS MAINTAINED IN THE ERIC COLLECTION AND PRODUCED BY STATE AGENCIES APPENDS THE DOCUMENT. THE MANUSCRIPT WAS PREPARED AND REVIEWED BY MEMBERS OF THE STATE COORDINATORS FOR ENVIRONMENTAL EDUCATION AND THE VARIOUS STATE DEPARTMENTS OF EDUCATION ALONG WITH THE NATIONAL INSTITUTE OF EDUCATION. (RE)

ED - ED121793
 CH - SP010058
 AU - BARRY, PATRICIA E., ED.
 TI - IDEAS FOR SECONDARY SCHOOL PHYSICAL EDUCATION.
 PD - 76
 IS - RIE76AUG
 IN - AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION,
 WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
 AV - THE AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND
 RECREATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036
 NO - 102P.
 DE - CAREER PLANNING; ENVIRONMENTAL EDUCATION
 DE - INDIVIDUALIZED INSTRUCTION; LIFETIME SPORTS
 DE - MOTIVATION TECHNIQUES; OUTDOOR EDUCATION; *PHYSICAL EDUCATION
 DE - *PHYSICAL RECREATION PROGRAMS; *PROGRAM DESCRIPTIONS; RECREATION
 DE - *SECONDARY EDUCATION
 AB - THIS BOOK CONTAINS DESCRIPTIONS OF SECONDARY SCHOOL PHYSICAL
 EDUCATION PROGRAMS. THE PROGRAMS DESCRIBED FALL INTO THE
 FOLLOWING CATEGORIES: (1) CAREER/LEADERSHIP PROGRAMS, (2)
 CONTRACT/INDIVIDUALIZED INSTRUCTION PROGRAMS, (3) ELECTIVE
 PHYSICAL EDUCATION PROGRAMS, (4) MOTIVATIONAL PROGRAMS, (5)
 OUTDOOR/ENVIRONMENTAL PROGRAMS, (6) RECREATIONAL/LIFETIME
 ACTIVITIES PROGRAMS, AND (7) TEACHER AID PROGRAMS. EACH
 DESCRIPTION CONTAINS THE NAME OF THE PERSON SUBMITTING THE
 PROGRAM DESCRIPTION, THE NAME OF THE SCHOOL, A SUMMARY AND AN
 OUTLINE OF THE PROGRAM, A PROGRAM DESCRIPTION, CONDITIONS
 SPECIFIC TO THE PROGRAM, AN EVALUATION, AND SPECIFIC COMMENTS.
 SOME OF THE PROGRAM TOPICS INCLUDE CAREERS IN PHYSICAL EDUCATION;
 PHYSICAL EDUCATION AND RECREATION LEADERSHIP TRAINING; MODERN
 DANCE; CYCLING; THE PHYSICAL, EMOTIONAL, AND LEGAL ASPECTS OF
 PREGNANCY AND CHILD CARE; AND SELF DEFENSE. (RC)

ED - ED122969
 CH - PS008624
 AU - NICKELSBURG, JANET
 TI - NATURE ACTIVITIES FOR EARLY CHILDHOOD.
 PD - 76
 IS - RIE76SEP
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.
 AV - ADDISON-WESLEY PUBLISHING COMPANY, SAND HILL ROAD, MENLO PARK,
 CALIFORNIA 94025 (PAPER, \$7.50)
 NO - 158P.
 DE - *CURRICULUM GUIDES; *EARLY CHILDHOOD EDUCATION
 DE - ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
 DE - *NATURAL SCIENCES; OUTDOOR EDUCATION; PERCEPTUAL DEVELOPMENT
 DE - RESOURCE GUIDES; *SCIENCE ACTIVITIES; *SCIENCE INSTRUCTION
 AB - THIS MANUAL CONTAINS 44 SEPARATE PROJECTS WHICH ARE DESIGNED TO
 HELP TEACHERS AND PARENTS PROVIDE YOUNG CHILDREN (IN KINDERGARTEN
 THROUGH SECOND GRADE) WITH EXPERIENCES IN OBSERVING NATURAL
 PHENOMENA, PLANTS, AND ANIMALS. EACH PROJECT CENTERS AROUND AN
 ACTIVITIES SECTION PREFACED WITH SCIENTIFIC INFORMATION MEANT TO
 PROVIDE THE TEACHING ADULT WITH FURTHER BACKGROUND. LISTS OF
 HELPFUL MATERIALS ARE INCLUDED, ALONG WITH KEY VOCABULARY WORDS
 FOR THE CHILDREN TO LEARN. PROJECTS INCLUDE SUGGESTIONS ON WHERE
 TO FIND THE PLANTS AND ANIMALS OBSERVED AND HOW TO CARE FOR THEM.
 PROJECTS ARE DIVIDED INTO SIX SECTIONS INCLUDING OUTDOOR GROUP
 PROJECTS, PROJECTS WITH SMALL ANIMALS, INDOOR PROJECTS, WATCHING
 THINGS, LOOKING FOR THINGS IN THE GROUND, AND PROJECTS WITH
 PLANTS. EACH SECTION ENDS WITH A BIBLIOGRAPHY FOR BOTH CHILDREN
 AND ADULTS. THE TEXT IS ILLUSTRATED WITH PHOTOGRAPHS AND
 DRAWINGS. (SB)

ED - ED122993
 CH - RC009179
 TI - OUTDOOR EDUCATION IN THE BATTLE CREEK PUBLIC SCHOOLS.
 IS - RI E76SEP
 IN - BATTLE CREEK PUBLIC SCHOOLS, MICH.
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.
 NO - 11P.
 DE - ANIMAL SCIENCE; DAY PROGRAMS; ECOLOGY; *EDUCATIONAL PHILOSOPHY
 DE - *ELEMENTARY EDUCATION; *FACILITIES; GEOGRAPHY; HORTICULTURE
 DE - INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION
 DE - *PROGRAM DESCRIPTIONS; RESIDENTIAL PROGRAMS; SOIL SCIENCE
 DE - YEAR ROUND SCHOOLS
 ID - *BATTLE CREEK PUBLIC SCHOOLS; MICHIGAN (BATTLE CREEK)
 AB - PRESENTING A BRIEF OVERVIEW OF THE HISTORICAL DEVELOPMENT,
 PHILOSOPHY, PROGRAMS, AND FACILITIES OF THE BATTLE CREEK PUBLIC
 SCHOOLS' YEAR-ROUND OUTDOOR EDUCATION CENTER, THIS DOCUMENT ALSO
 DETAILS FOUR CURRENT PROGRAMS AS FOLLOWS: (1) A 30-WEEK RESIDENT
 OUTDOOR SCHOOL PROGRAM FOR FIFTH AND SIXTH GRADE STUDENTS; (2) A
 25-WEEK FARM-GARDEN PROGRAM FOR THIRD AND FOURTH GRADE STUDENTS,
 WHEREIN, WEEKLY VISITS ARE BEGUN DURING THE SCHOOL YEAR,
 ENCOURAGED ON A VOLUNTARY BASIS DURING THE SUMMER AND PICKED UP
 AGAIN DURING THE FALL; (3) A SEVEN-WEEK PIONEER CABIN PROGRAM FOR
 THIRD GRADE STUDENTS, INVOLVING A SINGLE FULL DAY OF PIONEER
 ACTIVITIES IN AND AROUND AN AUTHENTIC CABIN; (4) A FOUR-WEEK
 BARNYARD EXPERIENCE PROGRAM FOR FIRST GRADERS, DESIGNED TO
 COINCIDE WITH A UNIT ON FARM ANIMALS TAUGHT BY CLASSROOM TEACHERS
 DURING THE SPRING. THE PHILOSOPHY OF THE OUTDOOR CENTER IS
 DESCRIBED AS AN ATTEMPT TO EDUCATE CHILDREN "IN" AND "FOR" THE
 OUT-OF-DOORS VIA AN INTERDISCIPLINARY APPROACH AND DIRECT
 EXPERIENCE IN AREAS SUCH AS PLANT BIOLOGY, SOIL SCIENCE,
 HORTICULTURE, ANIMAL HUSBANDRY, GEOGRAPHY, AND ECOLOGY. THE
 OUTDOOR CENTER IS DESCRIBED AS ACCOMMODATING ABOUT 5,000 STUDENTS
 ANNUALLY ON ITS 140 ACRE SITE VIA A PERMANENT 12-PERSON STAFF AND
 A FULL COMPLEMENT OF BUILDINGS AND OTHER FACILITIES DESIGNED TO
 ENHANCE THE OUTDOOR INSTRUCTIONAL PROGRAMS. (JC)

ED - ED123055
 CH - SE020403
 AU - REILLY, DENNIS
 TI - CORRELATED ENRICHMENT ENVIRONMENTAL ACTIVITIES FOR THE S.A.P.A.
 CURRICULUM KITS A THROUGH D.
 PD - MAY 73
 IS - RIE76SEP
 IN - DEL MOD SYSTEM, DOVER, DEL.
 SN - NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$7.35 PLUS POSTAGE
 CG - NSF-6W-6703
 AV - MR. JOHN R. REYHER, STATE SUPERVISOR OF SCIENCE AND ENVIRONMENTAL
 EDUCATION, DEPT. OF PUBLIC INSTRUCTION, JOHN G. TOWNSEND
 BUILDING, DOVER, DELAWARE 19901 (FREE WHILE SUPPLY LASTS)
 NO - 139P.; OCCASIONAL MARGINAL LEGIBILITY
 DE - *ELEMENTARY SCHOOL SCIENCE; ENRICHMENT ACTIVITIES
 DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
 DE - LEARNING ACTIVITIES; OUTDOOR EDUCATION; *PRIMARY GRADES
 DE - *SCIENCE ACTIVITIES
 ID - DEL MOD SYSTEM; SAPA; SCIENCE A PROCESS APPROACH
 AB - THESE ENVIRONMENTAL ENRICHMENT ACTIVITIES WERE WRITTEN BY
 TEACHERS AND CONSULTANTS IN WORKSHOPS AND INSTITUTES. THE
 ACTIVITIES ARE APPROPRIATE FOR K-3. FOR EACH LEVEL THE SEQUENCE
 OF ORIGINAL ACTIVITIES INCLUDING THE NEW ENVIRONMENTAL ACTIVITIES
 IS LISTED. GENERAL OBJECTIVES FOR THE LEVEL ARE GIVEN. THE
 ENRICHMENT ACTIVITIES LIST MATERIALS, OBJECTIVES, TRIP PROCEDURES
 AND QUESTIONS, AND AUDIOVISUAL MATERIALS. THE ACTIVITIES WERE
 DEVELOPED FOR FIELD WORK AS PART OF OUTDOOR EDUCATION. (MR)

ED - ED124365
 CH - RC009267
 AU - MEYER, DAN; MEYER, DIANE
 TI - TO KNOW BY EXPERIENCE: OUTWARD BOUND, NORTH CAROLINA.
 PD - 73
 IS - RI E760CT
 IN - OUTWARD BOUND, MORGANTON, N.C.
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.
 AV - NORTH CAROLINA DB SCHOOL, BOX 817, MORGANTON, NORTH CAROLINA
 28655 (\$10.00)
 NO - 136P.
 DE - *ACTIVITY LEARNING; CAMPING; *DISCOVERY LEARNING
 DE - EDUCATIONAL EXPERIENCE; ENRICHMENT EXPERIENCE; GROUP ACTIVITIES
 DE - HISTORY; LEARNING EXPERIENCE; *OUTDOOR EDUCATION
 DE - *PARTICIPANT SATISFACTION; PHOTOGRAPHS; *PROGRAM ATTITUDES
 DE - TEAMWORK
 ID - *NORTH CAROLINA; *OUTWARD BOUND
 AB - DIRECTED AT DISCOVERING ONE'S INNER RESOURCES AND THE DIGNITY OF
 ONE'S FELLOW MAN, THE OUTWARD BOUND EXPERIENCE SEEKS TO INSTILL
 SELF-RELIANCE, PHYSICAL FITNESS, AND COMPASSION AS FUNDAMENTAL
 VALUES RECOGNIZING THERE ARE FEW OPPORTUNITIES TO FORMULATE SUCH
 VALUES IN AN INCREASINGLY TECHNOLOGICAL AND URBANIZED SOCIETY.
 FOR 3 1/2 WEEKS, PEOPLE FROM ALL WALKS OF LIFE ARE BROUGHT
 TOGETHER TO SHARE THE CHALLENGES OF ELEMENTAL SETTINGS. UPON
 ARRIVAL, PARTICIPANTS ARE ASSIGNED TO A SMALL CREW WITH WHOM THE
 EXPERIENCE IS SHARED. ACTIVITIES ARE DIVIDED INTO:
 INSTRUCTION--TO DEVELOP PHYSICAL CONDITIONING AND THE NECESSARY
 SKILLS AND TEAMWORK TO ENABLE THE CREW TO CARRY OUT SUBSEQUENT
 ACTIVITIES UNDER PROGRESSIVELY LESS SUPERVISION; EXPEDITION--TO
 REFINE TECHNIQUES AND BUILD CONFIDENCE AND TRUST WITHIN THE
 INDIVIDUALS AND IN THE CREW; SOLO--TO AFFORD EACH INDIVIDUAL A
 CHANCE TO REFLECT AND CONSIDER THE PAST AND FUTURE; SERVICE--TO
 EXPERIENCE THE MANIFOLD BENEFITS OF GIVING OF ONE'S SELF; AND
 CONCLUSION--TO ALLOW THE CREW TO BECOME TOTALLY RESPONSIBLE FOR
 SETTING GOALS, RESOLVING DIFFICULTIES, AND SAFELY CARRYING
 THROUGH ITS PLAN. THIS BOOK GRAPHICALLY CONVEYS THE OUTWARD BOUND
 EXPERIENCE THROUGH MORE THAN 80 PHOTOGRAPHS WITH ACCOMPANYING
 QUOTATIONS FROM PARTICIPANTS. THE PURPOSE OF ROCK CLIMBING,
 BACKPACKING AND WHITE WATER EXPEDITIONS, SOLO AND OTHER
 ACTIVITIES IS DESCRIBED. A HISTORY OF HOW THE SCHOOL CAME INTO
 BEING AS ONE OF SEVEN IN THE UNITED STATES IS PROVIDED. (NQ)

ED - ED125838
 CH - RC009325
 AU - PETERS, RICHARD O.
 TI - STRATEGIES TO AFFECT STUDENT SENSORY AWARENESS OF THE ENVIRONMENT
 IN A RURAL SCHOOLS SETTING: KINDERGARTEN THROUGH GRADE THREE.
 PD - JUL 76
 IS - RIE76NOV
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.
 NO - 15P.
 DE - *ACTIVITIES; CONCEPT FORMATION; EARLY CHILDHOOD EDUCATION
 DE - ENVIRONMENTAL EDUCATION; GUIDES; *LESSON PLANS
 DE - MATHEMATICAL CONCEPTS; *OUTDOOR EDUCATION; *PRIMARY EDUCATION
 DE - *RURAL AREAS; SCIENCE INSTRUCTION; *SENSORY EXPERIENCE
 AB - PRESENTING EIGHT SAMPLE ENVIRONMENTAL EDUCATION SENSORY LESSONS
 DESIGNED FOR K-3 STUDENTS IN RURAL AREAS, THIS GUIDE BRIEFLY
 DETAILS THE RATIONALE AND MEANS FOR DEVELOPING PROXIMITY
 CONGRUENCE BETWEEN STUDENTS AND LIFE SPACE PHENOMENA. FIELD
 TRIPS, NATURE WALKS, SITE STUDIES, AND OTHER OUTDOOR ACTIVITIES
 ARE BRIEFLY DISCUSSED. THE FORMAT OF EACH SAMPLE SENSORY LESSON
 INCLUDES: AN ACTIVITY FOCUS; GRADE RANGE; CONCEPT; PURPOSE; AND
 NUMEROUS SUGGESTED ACTIVITIES. THE AREAS OF FOCUS INCLUDE:
 SENSES; SHAPE AND FORM; TREES; LIVING THINGS; LOCAL BIRDS; PLANTS
 AND ANIMALS; EARLY SPRING FLOWERS; AND POND LIFE. EXEMPLARY
 ACTIVITIES INCLUDE: FINDING MAN-MADE GEOMETRIC FORMS SUCH AS
 BUILDINGS, SIGNS, FENCES, ETC. AND IDENTIFYING THEIR SHAPES;
 ADOPTING A TREE AND STUDYING IT THROUGHOUT THE YEAR; GOING ON A
 TREASURE HUNT TO LOOK FOR NATURAL TREASURES; MAKING A NEST,
 FEATHER, AND BIRD PRINT COLLECTION; MAKING AN ANT FARM AND
 CARRYING OUT RESEARCH ORIENTED ACTIVITIES; COLLECTING SNAILS AND
 COMPARING THE BEHAVIOR OF THE CAPTIVE SNAIL WITH THAT OF THE WILD
 SNAIL; ETC. (JC)

- ED - ED125841
 CH - RC009329
 AU - VAN DER SMISSEN, BETTY, COMP.
 TI - RESEARCH CAMPING AND ENVIRONMENTAL EDUCATION. PROCEEDINGS FROM THE NATIONAL RESEARCH WORKSHOP (PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, DECEMBER 3-6, 1975). PENN STATE HPER SERIES NO. 11.
 PD - 76
 IS - RIET6NOV
 IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF HEALTH AND PHYSICAL EDUCATION.
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.
 AV - PENN STATE HPER SERIES, 275 RECREATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA-16802 (\$10.00).
 NO - 508P.
 DE - BEHAVIOR; BIBLIOGRAPHIES; *CAMPING; CONFERENCE REPORTS
 DE - EDUCATIONAL ASSESSMENT; ENRICHMENT EXPERIENCE
 DE - *ENVIRONMENTAL EDUCATION; ENVIRONMENTAL RESEARCH
 DE - *EVALUATION METHODS; EXCEPTIONAL (ATYPICAL); HUMAN RELATIONS
 DE - LEADERSHIP STYLES; *OUTDOOR EDUCATION; *PROGRAM EVALUATION
 DE - *RESEARCH UTILIZATION; RESIDENT CAMP PROGRAMS
 DE - RESIDENTIAL PROGRAMS; SELF CONCEPT; SOCIAL BEHAVIOR
 AB - ATTENDED BY 250 PERSONS, THE WORKSHOP WAS DIRECTED TOWARD ASSESSING PARTICIPANT OUTCOMES OF RESIDENT OUTDOOR EXPERIENCES, EFFECTIVENESS OF CAMPING AND ENVIRONMENTAL EDUCATION PROGRAMS, AND LEADERSHIP STRATEGIES RELATED TO QUALITY OUTDOOR EXPERIENCES. ITS KEYNOTE THEME WAS "THE DYNAMICS OF RESEARCH". FOCUS WAS ON THE UTILIZATION OF RESEARCH AND THE TECHNIQUES RESEARCHERS AND PROGRAM STAFF AND ADMINISTRATORS USE IN THE EVALUATION OF CAMPING AND ENVIRONMENTAL EDUCATION RESIDENT PROGRAMS. PROGRAM FORMAT WAS DESIGNED TO FACILITATE INTERACTION BETWEEN RESEARCHERS AND PROGRAM OPERATORS FOR THE PURPOSE OF SHARING RESEARCH FINDINGS, TECHNIQUES, AND PROBLEMS. THE PROGRAM WAS ORGANIZED ACCORDING TO FIVE THEMES--ENVIRONMENTAL ACTIONS AND UNDERSTANDING, SOCIAL INTERACTIONS, ENHANCEMENT OF INDIVIDUALS, LEADERSHIP STRATEGIES, AND OPERATIONAL PROGRAMS OF EVALUATION. ORGANIZED ACCORDING TO THESE FIVE THEMES, THIS PROCEEDINGS PRESENTS 26 MANUSCRIPTS PREPARED BY THE SPEAKERS. A 330-ITEM BIBLIOGRAPHY IS INCLUDED. AUGMENTING THE REFERENCES LISTED THROUGHOUT THE PROCEEDINGS, THE CITATIONS COVER SUCH TOPICS AS ATTITUDES AND VALUES, PEER RELATIONSHIPS, CROSS-CULTURAL AND RACIAL INTEGRATION, SELF-CONCEPT, SOCIAL ADJUSTMENT, ADVENTURE ACTIVITIES, SPECIAL POPULATION AND NORMAL PEOPLE RELATIONSHIPS, EMOTIONALLY DISTURBED, MENTALLY RETARDED, AND COUNSELOR INFLUENCES UPON CAMPERS. A ROSTER OF PARTICIPANTS AND SPEAKERS IS INCLUDED. (NQ)

ED - ED125852
CH - SE019196
AU - WERT, JONATHAN M.
TI - DEVELOPING ENVIRONMENTAL STUDY AREAS.
PD - AUG 74
IS - RIE76NOV
IN - TENNESSEE VALLEY AUTHORITY, KNOXVILLE.
PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.
NO - 19P.
DE - *CURRICULUM DEVELOPMENT; CURRICULUM GUIDES
DE - *EDUCATIONAL RESOURCES; *ENVIRONMENTAL EDUCATION
DE - ENVIRONMENTAL INFLUENCES; NATURAL RESOURCES; OUTDOOR EDUCATION
DE - *REFERENCE MATERIALS; RESOURCE MATERIALS; *STUDY CENTERS
AB - THIS PUBLICATION IS DESIGNED TO HELP THE TEACHER IN DEVELOPING ENVIRONMENTAL STUDY AREAS. NUMEROUS EXAMPLES OF STUDY AREAS, INCLUDING AIRPORTS, LAKES, SHOPPING CENTERS, AND ZOOS, ARE LISTED. A CURRENT DEFINITION OF ENVIRONMENTAL STUDY AREAS IS GIVEN AND GUIDELINES FOR THEIR DEVELOPMENT AND IDENTIFICATION ARE INCLUDED. THE APPENDIX, WHICH COMPRISES MOST OF THE PAGES OF THE BOOKLET, CONTAINS AN OUTDOOR ENVIRONMENTAL STUDY AREA INVENTORY AND EVALUATION FORM, AND A SELECTED BIBLIOGRAPHY OF MATERIALS FOR PLANNING SCHOOL SITES OR OUTDOOR LABORATORIES. (MA)

ED - ED125855
 CH - SE019199
 AU - CRIDER, TOM, ED.
 TI - THE STRANDS WALK.
 PD - 72
 IS - R1E76NOV
 IN - NATIONAL PARK SERVICE (DEPT. OF INTERIOR), WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.
 AV - MUIR WOODS--POINT REYES NATURAL HISTORY ASSOCIATION, POINT REYES
 NATIONAL SEASHORE, POINT REYES, CALIFORNIA 94956
 NO - 18P.
 DE - CURRICULUM DESIGN; ECOLOGY; *EDUCATIONAL RESOURCES
 DE - ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION
 DE - *INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES
 DE - *OUTDOOR EDUCATION; SCIENCE EDUCATION
 AB - THE STRANDS WALK IS A SIMPLE FIELD TRIP ACTIVITY DESIGNED TO
 ACQUAINT STUDENTS WITH AN UNFAMILIAR AREA AND WITH EACH OTHER.
 THE TEACHER'S ROLE IN THIS ACTIVITY IS TO HELP THE STUDENTS
 EXPRESS WHAT THEY OBSERVE, EXPERIENCE, AND QUESTION. METHODS OF
 STUDY AND CONCEPTS FOR EMPHASIS ARE INCLUDED IN THIS PUBLICATION.
 A MAJOR PORTION OF THE BOOKLET IS DEVOTED TO THE STUDENT TASK
 FORMS. EACH TASK IS BASED ON ONE OF THE STRANDS CONCEPTS OF THE
 NATIONAL PARK SERVICE'S ENVIRONMENTAL EDUCATION PROGRAM: VARIETY
 AND SIMILARITY; PATTERNS; INTERACTION AND INTERDEPENDENCE;
 CONTINUITY AND CHANGE; AND EVOLUTION AND ADAPTATION. THREE
 ADDITIONAL TASKS CONCERN PROBLEM FOCUS. IN A FINAL SECTION TO THE
 TEACHER, THERE ARE BEHAVIOR OBJECTIVES ASSOCIATED WITH THE
 ACTIVITY AND AN ILLUSTRATION OF THE DATA-THEORY CYCLE. (MA)

ED - ED125856
CH - SE019200
AU - PETERS, RICHARD
TI - HOW TO TAKE THE CLASSROOM OUT INTO THE ENVIRONMENT: A RESOURCE GUIDE.
PD - 75
IS - RIE76NOV
PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.
NO - 26P.
DE - DIRECTORIES; EDUCATIONAL RESOURCES
DE - *ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION
DE - INSTRUCTIONAL MATERIALS; NATURAL RESOURCES; *OUTDOOR EDUCATION
DE - REFERENCE MATERIALS; *RESOURCE GUIDES; RESOURCE MATERIALS
DE - *SCIENCE EDUCATION
AB - THE PURPOSE OF THIS RESOURCE GUIDE IS TO INTRODUCE TEACHERS TO A VARIETY OF INSTRUCTIONAL STRATEGIES AND THEN RELATE THESE EXPERIENCES TO BOTH NATURAL AND SOCIAL ENVIRONMENTAL PHENOMENA AND SETTINGS. IT IS DIVIDED INTO SIX MAJOR PARTS. THE FIRST IS CONCERNED WITH DEVELOPING STUDENT AWARENESS OF THE OUTDOORS THROUGH A NUMBER OF METHODS, INCLUDING GUEST SPEAKERS AND CLASSROOM PROJECTS. THE SECOND PART GIVES THE TEACHER GUIDELINES FOR RELATING THE CLASSROOM TO THE OUTDOORS. THE FOLLOWING SECTIONS ARE CONCERNED WITH THE LISTINGS OF NUMEROUS RESOURCES: INSTRUCTIONAL MATERIALS AND RESOURCES, ENVIRONMENTAL EDUCATION TEACHER TRAINING PROGRAMS, AND RELATED TELEVISION SERIES. THESE FOUR PARTS COMPRISE OVER HALF OF THE GUIDE. (AUTHOR/MA)

ED - ED125868
 CH - SE020232
 AU - WHEATLEY, JOHN H.; COON, HERBERT L.
 TI - TEACHING ACTIVITIES IN ENVIRONMENTAL EDUCATION. VOLUME III - 1975.
 PD - 75
 IS - RIE76NOV
 IN - ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION, COLUMBUS, OHIO.
 SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
 PR - EDRS PRICE MF-\$0.83 HC-\$10.03 PLUS POSTAGE.
 AV - OHIO STATE UNIVERSITY, CENTER FOR SCIENCE AND MATHEMATICS EDUCATION, 244 ARPS HALL, COLUMBUS, OHIO 43210 (\$4.00)
 NO - 195P.; FOR VOLUMES I AND II OF THIS SERIES, SEE ED 091 172 AND ED 102 031
 DE - CONSERVATION EDUCATION; *ELEMENTARY SECONDARY EDUCATION
 DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
 DE - INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES
 DE - NATURAL RESOURCES; OUTDOOR EDUCATION; *SCIENCE EDUCATION
 DE - TEACHING GUIDES
 AB - THIS VOLUME IS THE THIRD IN A SERIES OF LEARNING ACTIVITIES DESIGNED TO SUPPLEMENT A K-12 CURRICULUM. THE ACTIVITIES ARE INTERDISCIPLINARY IN NATURE AND INCLUDE TOPICS IN SCIENCE, MATHEMATICS, SOCIAL STUDIES, LANGUAGE ARTS, AND FINE ARTS. BESIDES A DIVISION OF ACTIVITIES ACCORDING TO GRADE AND SUBJECT MATTER, THEY ARE ALSO GROUPED BY ENVIRONMENTAL CONCEPTS THAT INCLUDE THE BIOPHYSICAL, SOCIOCULTURAL, MANAGEMENT, AND CHANGE; AND BY PROBLEM AREAS THAT CONCERN AESTHETICS, HEALTH, GENETICS, ECO-COMMUNITY RELATIONSHIPS, AND PSYCHOLOGICAL AND BEHAVIORAL CONSIDERATIONS. EACH ACTIVITY INCLUDES A REFERENCE TO THE ENVIRONMENTAL EDUCATION PROGRAM FROM WHICH IT WAS TAKEN, AS WELL AS A STATED PURPOSE AND A METHODS SECTION. (MA)

ED - ED125882
 CH - SE020429
 AU - MELVIN, RUTH W.
 TI - A GUIDE TO OHIO OUTDOOR EDUCATION AREAS. SECOND EDITION.
 PD - 75
 IS - RIE76NOV
 IN - OHIO ACADEMY OF SCIENCE, COLUMBUS.
 IN - OHIO STATE DEPT. OF NATURAL RESOURCES, COLUMBUS.
 PR - EDRS PRICE MF-\$0.83 HC-\$12.71 PLUS POSTAGE.
 AV - OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF NATURAL AREAS
 AND PRESERVES, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224 (\$5.00)
 NO - 238P.; CONTAINS COLOR-CODED MAPS; COLORED PHOTOGRAPHS MAY NOT
 REPRODUCE WELL; FOR FIRST EDITION OF THIS PUBLICATION, SEE ED 073
 945
 DE - *DIRECTORIES; *ENVIRONMENTAL EDUCATION; FIELD TRIPS; GUIDES
 DE - *INDEXES (LOCATORS); NATURAL RESOURCES; NATURE CENTERS
 DE - *OUTDOOR EDUCATION; *SCIENCE EDUCATION; STUDY FACILITIES
 ID - *OHIO
 AB - TO THIS NEW AND UPDATED SECOND EDITION, OVER 160 NEW SITES AND
 THEIR DESCRIPTION HAVE BEEN ADDED. THE FIRST MAJOR SECTION,
 OUTDOOR EDUCATION AREAS, INCLUDES STATE PARKS, FORESTS, AND
 WILDLIFE AREAS; HISTORIC SITES AND MEMORIALS; WAYNE NATIONAL
 FOREST; METROPOLITAN COUNTY AND CITY PARKS; AGENCY AND PRIVATE
 CAMPS; CONSERVATION AGENCY PROPERTIES; CONSERVANCY DISTRICT LANDS
 AND RESERVOIRS; SCHOOL LAND LABORATORIES; AND PRIVATE
 CONSERVATION FARMS AND CAMP GROUNDS. THE SECOND SECTION IS
 DEVOTED TO SELECTED STATE, NATURE CONSERVANCY, UNIVERSITY, AND
 PRIVATE NATURE PRESERVES. IN BOTH SECTIONS, EACH OUTDOOR AREA
 SUMMARY IS ARRANGED ALPHABETICALLY ACCORDING TO COUNTY AND
 INCLUDES SIZE AND LOCATION, CORRECT NAME, A SHORT DESCRIPTION,
 AND THE ADDRESS OF THE PERSON TO CONTACT FOR ITS USE. ADDITIONAL
 INFORMATION CONCERNING SUITABILITY FOR CAMPING IS GIVEN IN CHART
 FORM IN THE THIRD SECTION. SEVEN COLOR MAPS DESCRIBING OHIO
 GEOLOGY, GLACIAL DEPOSITS, SOIL REGIONS, SURFACE WATER,
 GROUNDWATER, ORIGINAL VEGETATION, AND MAJOR FOREST TYPES FOLLOW.
 ALSO INCLUDED ARE A SELECTED BIBLIOGRAPHY, AND INDEX OF SITES,
 AND DIRECTIONS FOR USING THIS PUBLICATION. (MA)

ED - EJ140065
 CH - SE516651
 AU - KNAPP, CLIFFORD E.
 TI - OPEN SPACE LEARNING ACTIVITIES
 PD - APR 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 7; 10-12
 DE - *ENVIRONMENTAL EDUCATION; *LAND USE; *OUTDOOR EDUCATION
 DE - *SCIENCE ACTIVITIES; ELEMENTARY SECONDARY EDUCATION
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; SCIENCE EDUCATION
 DE - SOIL CONSERVATION
 AB - DESCRIBES A SCIENCE ACTIVITY IN WHICH STUDENTS ARE GIVEN AN OPPORTUNITY TO CONSIDER THE VALUES OF OPEN SPACE. THE PROGRAM INCLUDES DIRECT INVOLVEMENT AS COMMUNICATORS OF FEELINGS AND FACTS, LEADING STUDENTS TO A POSITION OF MAKING WISE DECISIONS FOR LAND USE IN THE FUTURE. (EB)

ED - EJ140064
 CH - SE516650
 AU - MCCOLLUM, DANIEL
 TI - LITTER STUDY: A SCHOOL RESEARCH PROJECT
 PD - APR 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 7; 7-8
 DE - *ENVIRONMENTAL EDUCATION; *ENVIRONMENTAL INFLUENCES
 DE - *SCIENCE ACTIVITIES; *SCIENCE PROJECTS; *WASTES
 DE - CONSERVATION EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION
 DE - SECONDARY EDUCATION; SECONDARY SCHOOL SCIENCE
 AB - DESCRIBES A PROJECT DONE TO VERIFY OR DISPUTE THE BREAKDOWN IN LITTER CONTENT PROPOSED BY KEEP AMERICA BEAUTIFUL, INC. (KAB). DECISIONS MADE RELATING TO QUANTITY OF MATERIALS, AREA TO BE STUDIED, AND A COMPLETE DESCRIPTION OF THE PROJECT ARE GIVEN. (EB)

- ED - ED126638
 CH - EC090526
 AU - ENOS, DONALD F.
 TI - MEETING CHILDREN'S NEEDS: A FIELD CENTERED CURRICULUM FOR
 MAINSTREAMING.
 PD - APR 76
 IS - RIE76DEC
 PR - EDRS PRICE MF-\$0.83 HC-\$1.67 PLUS POSTAGE.
 NO - 21P.; PAPER PRESENTED AT THE ANNUAL INTERNATIONAL CONVENTION, THE
 COUNCIL FOR EXCEPTIONAL CHILDREN (54TH, CHICAGO, ILLINOIS, APRIL
 4-9, 1976)
 DE - *CURRICULUM EVALUATION; DEMONSTRATION PROJECTS
 DE - EXCEPTIONAL CHILD EDUCATION; *FIELD TRIPS; *GIFTED
 DE - *HANDICAPPED CHILDREN; *MODELS; OUTDOOR EDUCATION
 DE - PROGRAM EFFECTIVENESS; *REGULAR CLASS PLACEMENT
 DE - SECONDARY EDUCATION
 AB - EVALUATED WERE THE EFFECTS OF A CURRICULUM MODEL COMBINING
 MAINSTREAMING AND FIELD-CENTERED EDUCATIONAL EXPERIENCES ON 201
 HANDICAPPED, NORMAL, OR GIFTED HIGH SCHOOL STUDENTS (13-17 YEARS
 OLD). THE MODEL, STUDIED OVER A 4-YEAR PERIOD. WAS BASED ON THE
 IMPORTANCE OF RELATING CLASSROOM ACTIVITIES TO THE REALITY OF
 SOCIETY AND THE ADVANTAGES OF COMBINING FIELD-CENTERED EDUCATION
 WITH MAINSTREAMING. THE SS INCLUDED EMOTIONALLY HANDICAPPED,
 MENTALLY RETARDED, LEGALLY BLIND, NORMAL, TALENTED, AND GIFTED
 STUDENTS FROM WELFARE TO HIGH MIDDLE CLASS INCOME FAMILIES; AND
 REPRESENTED BLACK, CHICANO, ASIAN, WHITE, AND NATIVE AMERICAN
 ETHNIC GROUPS. THE PROGRAM INCLUDED A 6-TO 8-WEEK INSTRUCTIONAL
 PHASE FOLLOWED BY A 2-TO 3-WEEK FIELD TRIP TO SELECTED
 LOCALITIES. PRE-AND POSTASSESSMENTS WERE ADMINISTERED TO THE SS
 EACH YEAR, AND IN 1974 AND 1975 WERE COMPARED TO CONTROL GROUPS.
 RESULTS SUGGESTED THAT INCREASED PERFORMANCE IN THE COGNITIVE,
 AFFECTIVE, AND PSYCHOMOTOR DOMAINS WAS RELATED TO USE OF THE
 FIELD-CENTERED MODEL. (ALSO INCLUDED ARE A DESCRIPTION OF THE
 CURRICULUM MODEL, ASSESSMENT RESULTS IN TABULATED FORM, AND
 SELECTED QUOTATIONS AND DRAWINGS BY STUDENTS.) (IM)

ED - ED127073
 CH - RC009351
 TI - THE MOHONK CONFERENCE ON OUTDOOR EDUCATION FOR NEW YORK CITY. A REPORT OF THE CITYWIDE CONFERENCE ON OUTDOOR EDUCATION, ENVIRONMENTAL EDUCATION, SCHOOL CAMPING (MOHONK MOUNTAIN CONFERENCE CENTER, NEW PALTZ, NEW YORK, OCTOBER 30, 31, NOVEMBER 1, 1974).

PD - 74
 IS - RIE76DEC
 IN - NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.
 PR - EDRS PRICE MF-\$0.83 HC-\$2.06 PLUS POSTAGE.
 NO - 34P.
 DE - *CAMPING; CONFERENCE REPORTS; CURRICULUM DEVELOPMENT
 DE - EDUCATIONAL FACILITIES; EDUCATIONAL FINANCE
 DE - *ENVIRONMENTAL EDUCATION; INTERAGENCY COORDINATION
 DE - *OUTDOOR EDUCATION; PROFESSIONAL TRAINING
 DE - *PROGRAM ADMINISTRATION; *PROGRAM PLANNING
 DE - SCHOOL COMMUNITY COOPERATION; TEACHER EDUCATION
 ID - *NEW YORK (NEW YORK)
 AB - THE CONFERENCE WAS ATTENDED BY MORE THAN 50 OUTDOOR/ENVIRONMENTAL EDUCATORS FROM THE NEW YORK CITY SCHOOL SYSTEM AND REPRESENTATIVES FROM CITY AND STATE AGENCIES AND THE PRIVATE SECTOR. FOCUS WAS ON HOW TO MAKE OUTDOOR/ENVIRONMENTAL PROGRAMS AVAILABLE TO ALL CHILDREN IN THE NEW YORK CITY SCHOOLS. THE BULK OF THE CONFERENCE WAS DEVOTED TO THE DELIBERATIONS OF SIX WORKING TASK FORCES. THESE TASK FORCES DEALT WITH CURRICULUM DEVELOPMENT, TEACHER TRAINING, FACILITIES, FUNDING, INTERAGENCY AND COMMUNITY-BASED PROGRAMS, AND ADMINISTRATION. THIS REPORT, DERIVED FROM GENERAL-SESSION PROCEEDINGS AND THE REPORTS OF THE SIX TASK FORCES, PRESENTS THE PARTICIPANTS' RECOMMENDATIONS. AMONG THESE ARE THAT: A PERMANENT STEERING COMMITTEE ON OUTDOOR/ENVIRONMENTAL EDUCATION, REPRESENTATIVE OF ALL INTERESTED AGENCIES, SHOULD BE ESTABLISHED; ENVIRONMENTAL CONCEPTS SHOULD BE INTEGRATED INTO THE CURRICULUM IN AS MANY OF THE MORE TRADITIONAL SUBJECT AREAS; SCHOOL-YARDS MIGHT BE UTILIZED AS "CAMPSITES" WITH SCHOOL SHOWERS, TOILETS, AND LOCKER ROOMS LEFT OPEN FOR SUPERVISED USE BY OVERNIGHT CAMPERS; AND A CENTRAL CLEARINGHOUSE ON OUTDOOR/ENVIRONMENTAL EDUCATION SHOULD BE CREATED. (NQ)

ED - ED127102
 CH - RC009401
 AU - LOWENSTEIN, DANIEL H.
 TI - WILDERNESS ADVENTURE PROGRAMS: AN ACTIVITY PROFILE.
 PD - NOV 75
 IS - RIE76DEC
 IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF HUMAN DEVELOPMENT.
 PR - EDRS PRICE MF-\$0.83 HC-\$4.67 PLUS POSTAGE.
 NO - 92P.
 DE - ACTIVITIES; DEFINITIONS; EQUIPMENT; FACILITIES
 DE - FUTURES (OF SOCIETY); *HISTORY; LEGAL RESPONSIBILITY
 DE - *OUTDOOR EDUCATION; PARTICIPANT CHARACTERISTICS; PLANNING
 DE - PROBLEMS; *PROGRAM DESCRIPTIONS; *PROGRAM DEVELOPMENT; RESEARCH
 DE - *RESOURCES; SITE SELECTION; SOCIOECONOMIC INFLUENCES
 ID - *ADVENTURE EDUCATION; *WILDERNESS ADVENTURE PROGRAMS
 AB - FOCUSING UPON THE ADVENTURE ASPECT OF WILDERNESS PROGRAMS, THIS PAPER PRESENTS A PROFILE OF THOSE PROGRAM ACTIVITIES WHICH CREATE A NUMBER OF CHALLENGES AND OFTEN STRESSFUL SITUATIONS AS THE MEANS OF ATTAINING SPECIFIED GOALS AND WHICH CAN BEST BE INCORPORATED UNDER THE TERM "WILDERNESS ADVENTURE PROGRAM" (WAP). PROVIDING INFORMATION OF INTEREST TO PERSONS CONCERNED WITH WAP HISTORY, PLANNING, AND/OR APPLICATION, THIS PAPER PRESENTS THE FOLLOWING CHAPTERS: (1) INTRODUCTION (TYPOLOGY); (2) ACTIVITY DESCRIPTION (HISTORY; FUNCTIONS; ACTIONS; KNOWLEDGE; EQUIPMENT; TEMPORAL CONSIDERATIONS; FORMALIZED CONTROL; COST; AND INSTRUCTION); (3) PARTICIPANTS AND NON-PARTICIPANTS (POPULARITY AND EXTENSIVENESS; PARTICIPANT CHARACTERIZATION; PARTICIPANT GROUPS; AND MEANING OF PARTICIPATION); (4) DEMAND AND CONSUMPTION FACTORS (CAUSAL SOCIOECONOMIC FACTORS; CHRISTY'S ELEMENTS; AND FUTURE OF WAPS); (5) ASSOCIATED RESOURCES (NATURAL ENVIRONMENT; AREAS, SITES, AND FACILITIES; COMPATABILITY; SUPPLIERS); (6) LEGAL ASPECTS (LEGISLATIVE ASPECTS; ADMINISTRATIVE ASPECTS; AND JUDICIAL ASPECTS); (7) PROBLEMS AND ISSUES (OVERVIEW; CRITICISM; RESEARCH RELATED TO WAPS; WAPS AS AN EDUCATIONAL TOOL, A THERAPEUTIC TOOL, AND A UNIQUE RECREATIONAL EXPERIENCE; AND CONCLUSION). APPENDICES PROVIDE INFORMATION RE: BASES; EXEMPLARY PROGRAMS; EQUIPMENT; SUPPLIERS' ADDRESSES; AND RESEARCH RELATED TO STANDARD COURSES. (JC)

- ED - ED127111
 CH - SE020408
 TI - CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS, VOL. 1:
 CURRICULUM OUTLINE AND ACTIVITIES GUIDE.
 PD - 76
 IS - RIE76DEC
 IN - KALAMAZOO NATURE CENTER, INC., MICH.
 SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
 PR - DOCUMENT NOT AVAILABLE FROM EDRS.
 CG - OEG-0-74-7390
 AV - ERIC/SMEAN, THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD
 FLOOR, COLUMBUS, OHIO 43212 (ON LOAN).
 NO - 377P.; FOR VOLUME TWO, SEE SE020409
 DE - CONSERVATION EDUCATION; *CURRICULUM GUIDES
 DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
 DE - INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES
 DE - NATURAL RESOURCES; OUTDOOR EDUCATION; SCIENCE EDUCATION
 DE - *SECONDARY EDUCATION
 AB - THIS PUBLICATION IS THE FIRST VOLUME OF CURRICULUM RESOURCES
 PUBLISHED BY THE KALAMAZOO NATURE CENTER. IT CONTAINS DIRECTIONS
 FOR USING THE CURRICULUM ACTIVITIES GUIDE AND SUGGESTS WAYS OF
 IMPLEMENTING THE ACTIVITIES IN THE CLASSROOM. ALSO INCLUDED IS AN
 OUTLINE OF THE MATERIAL THAT COULD BE COVERED IN AN ENVIRONMENTAL
 EDUCATION PROGRAM, WITH APPROPRIATE ACTIVITIES. THE BULK OF THE
 PUBLICATION IS DEVOTED TO OVER 300 PAGES OF LEARNING ACTIVITIES
 SUITABLE FOR SECONDARY SCHOOL STUDENTS. EACH ACTIVITY PROVIDES A
 SHORT INTRODUCTION, A LISTING OF MATERIALS NEEDED, THE PROCEDURE,
 SOME DISCUSSION QUESTIONS, AND A BIBLIOGRAPHY. TOPICS COVERED BY
 THE ACTIVITIES INCLUDE LAND USE, NATURAL RESOURCES ALLOCATION AND
 DEPLETION, ENERGY USE AND CONSERVATION. INDEXES AT THE END OF THE
 GUIDE CLASSIFY ACTIVITIES ACCORDING TO STUDY TOPICS, SUBJECT
 TEACHING AREAS, GRADE LEVELS, ACTIVITY TITLES, AND ACTIVITY
 NUMBERS. (MA)

PART II: CITATIONS FROM
CURRENT INDEX TO JOURNALS IN EDUCATION

SAMPLE CURRENT INDEX TO JOURNALS OF EDUCATION

ED EJ128183
CH SE514346
AU ASCH, JOSEPH: SHORE, BRUCE M.
TI CONSERVATION BEHAVIOR AS THE OUTCOME OF ENVIRONMENTAL EDUCATION
PD 75
IS CIJE76
SO JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 25-33
DE *AFFECTIVE BEHAVIOR; *CONSERVATION EDUCATION
DE *ENVIRONMENTAL EDUCATION; *EVALUATION METHODS; *OUTDOOR EDUCATION
DE CONSERVATION (ENVIRONMENT); ECOLOGY; NATURAL RESOURCES
DE PROGRAM EVALUATION; RESEARCH
ID QUEBEC (MONTREAL)
AB IN THIS STUDY, TWO GROUPS OF STUDENTS WERE ASKED TO PERFORM A
NUMBER OF TASKS THAT REQUIRED SOME CONSERVATION KNOWLEDGE.
EVALUATION OF THE TASKS WAS DONE BY OUTSIDE INDIVIDUALS IN AN
OUTDOOR CENTER. RESULTS INDICATED THAT THE GROUP TRAINED IN
ENVIRONMENTAL CONSERVATION WERE LESS DESTRUCTIVE AND MORE
CONSERVATIONAL IN BEHAVIOR. (MA)

KEY TO ABSTRACT

- ED ERIC Accession Number - identification number sequentially assigned to documents as they are processed
- CH Clearinghouse accession number
- AU Author(s)
- TI Title
- PD Date published
- IS Issue of CIJE
- SO Source
- DE Descriptors
- ID Identifiers - additional identifying terms not found in the Thesaurus of ERIC Descriptors.
- AB Informative abstract
- () Abstractor's initials always placed at end of abstract

ED - EJ123144
 CH - RC501906
 AU - PETZOLDT, PAUL
 TI - ADVENTURE EDUCATION AND THE NATIONAL OUTDOOR LEADERSHIP SCHOOL
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 3-7
 DE - *CONSERVATION (ENVIRONMENT); *HIGHER EDUCATION
 DE - *LEADERSHIP TRAINING; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
 DE - ENVIRONMENTAL EDUCATION; EDUCATIONAL PHILOSOPHY
 ID - NATIONAL OUTDOOR LEADERSHIP SCHOOL

ED - EJ123145
 CH - RC501907
 AU - WADE, DOUGLAS E.
 TI - SOME ETHICAL AND RELATED CONSIDERATIONS OF ADVENTURE PROGRAMS
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 8-11
 DE - *CONSERVATION (ENVIRONMENT); *ETHICAL INSTRUCTION; *ECOLOGY
 DE - *OUTDOOR EDUCATION; *PRESERVATION; LAND USE

ED - EJ123146
 CH - RC501908
 AU - VAN DER SMISSEN, BETTY
 TI - LEGAL ASPECTS OF ADVENTURE ACTIVITIES
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 12-15
 DE - *LEGAL RESPONSIBILITY; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES
 DE - *SUPERVISION; *STANDARDS; CONDUCT; SAFETY EQUIPMENT
 ID - ADVENTURE ACTIVITIES

ED - EJ123147
 CH - RC501909
 TI - EXCERPTS FROM A PANEL DISCUSSION ON IMPLEMENTING ADVENTURE
 EDUCATION PROGRAMS IN PUBLIC SCHOOLS
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 15-19
 DE - *ELEMENTARY SECONDARY EDUCATION; *OUTDOOR EDUCATION
 DE - *PUBLIC SCHOOLS; *PROGRAM DEVELOPMENT; COMMUNITY RESOURCES
 DE - EQUIPMENT; SPEECHES
 ID - *ADVENTURE EDUCATION

ED - EJ123148
 CH - RC501910
 AU - TYLER, RON
 TI - THE IMPACT OF A BRITISH PROGRAM ON THE DEVELOPMENT OF THE
 WILLOWBROOK HIGH SCHOOL OUTDOOR CLUB
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 20-22
 DE - *CLUBS; *COCURRICULAR ACTIVITIES; *HIGH SCHOOLS
 DE - *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT
 DE - INTERDISCIPLINARY APPROACH; PROGRAM DESCRIPTIONS
 DE - SECONDARY EDUCATION
 ID - ILLINOIS

ED - FJ123149
 CH - RC501911
 AU - LITTLE, CHARLES
 TI - DEVELOPING A HIGH SCHOOL ADVENTURE PROGRAM: PERSISTANCE AND
 INNOVATION
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 22-5
 DE - *COCURRICULAR ACTIVITIES; *HIGH SCHOOLS; *OUTDOOR EDUCATION
 DE - *PROGRAM DEVELOPMENT; *PROBLEMS; ACTIVITY LEARNING
 DE - ADMINISTRATIVE POLICY; CLUBS; FINANCIAL SUPPORT
 ID - ILLINOIS

ED - EJ123316
 CH - SE514304
 AU - KELLER, M.
 TI - BIOLOGY POOL
 PD - APR 75
 IS - CIJE76
 SO - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 751; 9-10
 DE - *EDUCATIONAL FACILITIES; *INSTRUCTIONAL AIDS; *OUTDOOR EDUCATION
 DE - *SCIENCE PROJECTS; *SCIENCE FACILITIES; BIOLOGY
 DE - SECONDARY EDUCATION; SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE
 DE - SWIMMING POOLS
 AB - DESCRIBES THE CONVERSION OF AN OLD SWIMMING POOL ON THE SCHOOL
 GROUNDS INTO A BIOLOGY POOL FOR THE CREATION OF A POND COMMUNITY
 WHICH BECAME BOTH A USEFUL TEACHING RESOURCE AND AN ATTRACTIVE
 PART OF THE SCHOOL ENVIRONMENT. (BR)

ED - EJ126391
 CH - PS504337
 AU - BURNISON, MARY
 TI - THE FARM
 PD - JUL-AUG 75
 IS - CIJE76
 SO - CHILDREN TODAY; 4; 4; 26-28
 DE - *ELEMENTARY SECONDARY EDUCATION; *DISADVANTAGED YOUTH
 DE - *FARM VISITS; *DAY CAMP PROGRAMS; SUMMER PROGRAMS; PLAY
 DE - OUTDOOR EDUCATION; VOLUNTEERS; PROGRAM DESCRIPTIONS
 DE - EMOTIONAL EXPERIENCE
 ID - *NATURE STUDY
 AB - DESCRIBES THE EXPERIENCES PROVIDED FOR DISADVANTAGED CHILDREN
 AGED 4-14 YEARS THROUGH AN ENRICHMENT PROGRAM, BEGUN IN 1973,
 WHICH AIMS TO FOSTER FEELINGS OF CLOSENESS AND LOVE IN A RURAL
 SETTING. GROUPS OF 20 CHILDREN ARE BUSED TO A FARM EACH DAY FOR
 TWO ONE-WEEK PERIODS DURING THE SUMMER. (ED)

ED - EJ126425
 CH - SE513112
 AU - HOWIE, THOMAS RICHARD
 TI - INDOOR OR OUTDOOR ENVIRONMENTAL EDUCATION?
 PD - 74
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 2; 32-36
 DE - *COGNITIVE MEASUREMENT; *ENVIRONMENTAL EDUCATION
 DE - *EDUCATIONAL METHODS; *OUTDOOR EDUCATION; *STATISTICAL ANALYSIS
 DE - CONCEPT TEACHING; CONSERVATION EDUCATION; ECOLOGY
 DE - PROGRAM EVALUATION; STATISTICAL STUDIES
 ID - MARYLAND (PRINCE GEORGES COUNTY)
 AB - IN THIS ARTICLE, THE EFFECTIVENESS OF FIELD EXPERIENCE VERSUS CLASSROOM EXPERIENCE WAS STATISTICALLY COMPARED IN COGNITIVE LEARNING. RESULTS INDICATED THE NEED FOR A PROGRAM CONSISTING OF FOUR PHASES INVOLVING TEACHER INSERVICE TRAINING, CLASSROOM DEVELOPMENT OF ADVANCED ORGANIZATION, OUTDOOR EXPERIENCE, AND CLASSROOM FOLLOW-UP WITH FURTHER APPLICATION AND CONCEPTUALIZATION. (AUTHOR/MA)

ED - EJ126428
 CH - SE513115
 AU - MATTHEWS, JEAN
 TI - ENVIRONMENTAL EDUCATION AND COMMUNITY ACTION
 PD - 74
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 2; 45-49
 DE - *COMMUNITY ACTION; *ENVIRONMENTAL EDUCATION; *SPEECHES
 DE - CITIZEN PARTICIPATION; EVALUATION; FEDERAL PROGRAMS
 DE - OUTDOOR EDUCATION; PLANNING
 AB - IN THIS ARTICLE, ADOPTED FROM A SPEECH GIVEN IN CALIFORNIA, THE AUTHOR TRACES THE EVOLUTION OF ENVIRONMENTAL EDUCATION AND CITES NUMEROUS EXAMPLES OF THE NEED FOR ENVIRONMENTAL CONCERN. ALONG WITH THIS, MS. MATTHEWS POINTS OUT THE WEAKNESSES OF PAST ENVIRONMENTAL EDUCATION PROGRAMS AND THE MEANS TO IMPROVE EXISTING ONES. (MA)

ED - EJ126650
 CH - SE514631
 AU - RUSSELL, HELEN ROSS
 TI - COORDINATING SCIENCE AND OTHER SUBJECTS
 PD - 75
 IS - CIJE76
 SO - NATURE STUDY; 29; 1; 11-12
 DE - *ENVIRONMENTAL EDUCATION; *INTERDISCIPLINARY APPROACH
 DE - *SCIENCE EDUCATION; *SCIENCE PROJECTS
 DE - ELEMENTARY SECONDARY EDUCATION; INTEGRATED CURRICULUM
 DE - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION
 DE - SCIENCE ACTIVITIES
 AB - THIS ARTICLE PRESENTS EXAMPLES OF SCIENCE UNITS WHICH HAVE BECOME SUCCESSFUL MULTIDISCIPLINARY PROJECTS. INCLUDED ARE A PROTECT YOUR ENVIRONMENT CAMPAIGN AND HUNGER DAY. PRE- AND IN-SERVICE COURSES, FILE OF REFERENCES, AND RESOURCE PEOPLE ARE SUGGESTED AS BEING HELPFUL IN STRUCTURING INTERDISCIPLINARY ACTIVITIES. IDEAS AND SOURCES FOR PROJECTS ARE MENTIONED. (BP)

ED - EJ126653
 CH - SE514635
 AU - COGGINS, JOHN H.
 TI - BIRD POPULATION STUDIES FOR SUBURBAN STUDENTS
 PD - SEP 75
 IS - CIJE76
 SO - AMERICAN BIOLOGY TEACHER; 37; 6; 344-345,349
 GE - *ECOLOGY; *FIELD STUDIES; *SCIENCE ACTIVITIES; COLLEGE SCIENCE
 DE - HIGHER EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION
 ID - *ORNITHOLOGY; BIRD BANDING
 AB - DESCRIBES A BIRD-STUDY AND BANDING ACTIVITY DESIGNED FOR STUDENTS IN URBAN AND SUBURBAN AREAS. (PEB)

ED - EJ127159
 CH - AA521581
 AU - DAWSON, PAUL DOW; BURKS, TIMOTHY
 TI - THE OUTING CLUB: SCIENCE WITHOUT WALLS
 PD - OCT 75
 IS - CIJE76
 SO - INDEPENDENT SCHOOL BULLETIN; 35; 1; 56-8
 DE - *PRIVATE SCHOOLS; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
 DE - *STUDENT EXPERIENCE; *EDUCATIONAL OBJECTIVES; CAMPING
 DE - STUDENT DEVELOPMENT; STUDENT IMPROVEMENT
 DE - STUDENT TEACHER RELATIONSHIP
 AB - IN AN ATTEMPT TO GIVE STUDENTS AN OPPORTUNITY TO STRENGTHEN
 SKILLS THAT WILL MAKE THEM EFFECTIVE GROUP MEMBERS, AUTHORS
 DEVELOPED A PROGRAM, "THE DOHERTY SCHOOL OUTING CLUB", THAT
 STRESSES GROUP DYNAMICS IN AN OUTDOOR SETTING. (AUTHOR/RK)

ED - EJ127212
 CH - AA521643
 AU - POTTS, VERNON R.; KNOWLTON, JAMES
 TI - WHERE IT'S HAPPENING: OUTDOOR PROGRAM EASES RACIAL TENSION
 PD - OCT 75
 IS - CIJE76
 SO - NASSP BULLETIN; 59; 393; 108-10
 DE - *OUTDOOR EDUCATION; *RACIAL ATTITUDES; *STUDENT ATTITUDES
 DE - *PROGRAM DESCRIPTIONS; *STUDENT INTERESTS; EDUCATIONAL OBJECTIVES
 AB - ARTICLE DESCRIBED A PROGRAM, PROJECT BACSTOP (BETTER ACQUISITION
 OF COGNITIVE SKILLS THROUGH OUTDOOR PROGRAMING), WHICH ATTEMPTED
 TO REDUCE RACIAL INTERACTION AND DEVELOP COGNITIVE GROWTH THROUGH
 USE OF LEARNING IN THE WILDERNESS. (AUTHOR/RK)

ED - EJ127238
 CH - AA521676
 AU - STANIX, EDWARD
 TI - THE CEMETERY: AN OUTDOOR CLASSROOM
 PD - OCT 75
 IS - CIJE76
 SO - TEACHER; 93; 2; 66-7
 DE - *ELEMENTARY SCHOOL STUDENTS; *OUTDOOR EDUCATION
 DE - *EDUCATIONAL ENVIRONMENT; *LEARNING PROCESSES
 DE - *STUDENT DEVELOPMENT
 AB - STUDENTS DISCOVERED THAT THE CEMETERY CAN BE AN OUTDOOR CLASSROOM
 RICH IN ACTION-ORIENTED EXPERIENCES AND LEARNING ACTIVITIES.
 (AUTHOR/R

ED - EJ128178
 CH - SE514341
 AU - CLARK, EDWARD
 TI - GOOD EDUCATION IS ENVIRONMENTAL
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 1-5
 DE - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PROGRAM EVALUATION
 DE - *SCIENCE EDUCATION; *TEACHER EDUCATION; EFFECTIVE TEACHING
 DE - TEACHER PARTICIPATION
 AB - WORKING WITH TEACHERS AND ADMINISTRATORS, THE AUTHOR HAS
 IDENTIFIED TWO MAJOR PROBLEMS ASSOCIATED WITH THE IMPLEMENTATION
 OF ENVIRONMENTAL EDUCATION PROGRAMS IN THE SCHOOLS. BOTH LACK OF
 EDUCATION AND MOTIVATION WERE CITED BY THE AUTHOR AND SUGGESTIONS
 TO BETTER INFORM AND EDUCATE TEACHERS TO THE PHILOSOPHY OF
 ENVIRONMENTAL EDUCATION WERE INCLUDED. (MA)

ED - EJ128183
 CH - SE514246
 AU - ASCH, JOSEPH; SHORE, BRUCE M.
 TI - CONSERVATION BEHAVIOR AS THE OUTCOME OF ENVIRONMENTAL EDUCATION
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 25-33
 DE - *AFFECTIVE BEHAVIOR; *CONSERVATION EDUCATION
 DE - *ENVIRONMENTAL EDUCATION; *EVALUATION METHODS; *OUTDOOR EDUCATION
 DE - CONSERVATION (ENVIRONMENT); ECOLOGY; NATURAL RESOURCES
 DE - PROGRAM EVALUATION; RESEARCH
 ID - QUEBEC (MONTREAL)
 AB - IN THIS STUDY, TWO GROUPS OF STUDENTS WERE ASKED TO PERFORM A NUMBER OF TASKS THAT REQUIRED SOME CONSERVATION KNOWLEDGE. EVALUATION OF THE TASKS WAS DONE BY OUTSIDE INDIVIDUALS AT AN OUTDOOR CENTER. RESULTS INDICATED THAT THE GROUP TRAINED IN ENVIRONMENTAL CONSERVATION WERE LESS DESTRUCTIVE AND MORE CONSERVATIONAL IN BEHAVIOR. (MA)

ED - EJ128184
 CH - SE514347
 AU - BEECHEL, JACQUE
 TI - INTERPRETATION FOR HANDICAPPED PERSONS
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 34-44
 DE - *ENVIRONMENTAL EDUCATION; *HANDICAPPED; *INTERPRETIVE SKILLS
 DE - *MENTAL RETARDATION; *OUTDOOR EDUCATION; BLIND; DEAF; DEAF BLIND
 DE - PHYSICALLY HANDICAPPED; VISUALLY HANDICAPPED
 AB - RECENT TRENDS IN INTERPRETIVE WORK EMPHASIZE VISITOR INVOLVEMENT RATHER THAN MATERIAL PRESENTATION. NEW CONSIDERATIONS ARE BEING GIVEN TO INVOLVING PERSONS HANDICAPPED PHYSICALLY OR MENTALLY. THIS ARTICLE IS CONCERNED WITH THE TYPES OF HANDICAPS MOST FREQUENTLY ENCOUNTERED AND THE MEANS TO FACILITATE THE INVOLVEMENT OF THOSE PERSONS IN AN INTERPRETIVE PROGRAM. (MA)

ED - EJ128187
 CH - SE514350
 AU - DONALDSON, GEORGE W.; SCHMIDT, DONNA
 TI - AN INVESTIGATION INTO THE DESIRABLE ECO-EDUCATION SITE
 PD - 75
 IS - CIJE76
 SD - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 58-62
 DE - *CONSERVATION EDUCATION; *ENVIRONMENTAL EDUCATION
 DE - *FACILITY REQUIREMENTS; *LAND USE; *OUTDOOR EDUCATION
 DE - NATURAL RESOURCES; RECREATIONAL FACILITIES; SCIENCE EDUCATION
 DE - SURVEYS
 AB - THIS STUDY WAS DESIGNED TO DETERMINE SCIENTIFICALLY THE CHARACTERISTICS WHICH ARE DESIRABLE IN A SITE TO BE USED FOR ECO-EDUCATIONAL PURPOSES. AN OPINIONNAIRE WAS DEVISED AND SENT OUT TO LEADERS IN OUTDOOR EDUCATION. FINDINGS INDICATED NO ESSENTIAL CHARACTERISTICS FOR SUCH AN ECO-EDUCATIONAL SITE. (AUTHOR/MA)

ED - EJ128323
 CH - SE515002
 AU - MAINONE, ROBERT F.
 TI - ADOPT A STREAM
 PD - OCT 75
 IS - CIJE76
 SD - SCIENCE AND CHILDREN; 13; 2; 21-22
 DE - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION
 DE - CONSERVATION EDUCATION; ENVIRONMENT
 DE - ELEMENTARY SECONDARY EDUCATION; FIELD STUDIES; SCIENCE ACTIVITIES
 DE - SCIENCE EDUCATION; TRAILS
 AB - DESCRIBES ON-SITE ACTIVITIES DESIGNED TO HELP STUDENTS LEARN HOW NATURAL SYSTEMS WORK. (PB)

ED - EJ128325
 CH - SE515004
 AU - GRIFFIN, NANCY C.
 TI - ECOLOGICAL STUDIES IN THE MIDDLE SCHOOL? YES
 PD - OCT 75
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 2; 24-26
 DE - *ENVIRONMENTAL EDUCATION; *LEARNING ACTIVITIES
 DE - *OUTDOOR EDUCATION; COURSE DESCRIPTIONS; ECOLOGY
 DE - JUNIOR HIGH SCHOOL STUDENTS; SCIENCE ACTIVITIES
 DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION
 AB - DESCRIBED IS AN ENVIRONMENTAL STUDIES UNIT WHICH FORMS PART OF
 INTERRELATED EXPLORATIONS IN SCIENCE, INCLUDING ECOLOGY, BALANCES
 OF NATURE AND INTERRELATIONS OF ORGANISMS. SOME OF THE ACTIVITIES
 AND MAJOR TOPICS OF THE UNIT ARE GIVEN. (EB)

ED - EJ128330
 CH - SE515009
 AU - MCINTYRE, MARGARET
 TI - TAKING AN INSECT VIEW
 PD - OCT 75
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 2; 41-42
 DE - *DISCOVERY LEARNING; *EARLY CHILDHOOD EDUCATION
 DE - *LEARNING ACTIVITIES; ECOLOGY; ENVIRONMENTAL EDUCATION
 DE - OUTDOOR EDUCATION; SCIENCES; SCIENCE EDUCATION
 AB - DISCUSSES METHODS FOR INTRODUCING YOUNG CHILDREN TO THE STUDY OF
 ECOLOGY. (PB)

EO - EJ128328
 CH - SE515007
 AU - GROVES, DAVID L.
 TI - COOPERATION IN REVEGETATING STRIP-MINED AREAS
 PO - OCT 75
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 2; 32-33
 DE - *CONSERVATION EDUCATION; *FORESTRY; *OUTDOOR EDUCATION
 DE - *SOIL CONSERVATION; ELEMENTARY SECONDARY EDUCATION
 DE - ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; SCIENCE EDUCATION
 ID - STRIP MINING
 AB - PRESENTED IS A DESCRIPTION OF A PROGRAM DEVELOPED WHICH PROVIDED STUDENTS, FORESTRY AGENCIES, MINE OPERATORS AND INDIVIDUAL INSTRUCTORS AN OPPORTUNITY TO EXCHANGE IDEAS, TO LEARN MORE ABOUT STRIP MINING, AND TO SURVEY THE KINDS OF CONSERVATION EDUCATION PROGRAMS NEEDED IN THE SCHOOLS. (EB)

ED - EJ130275
 CH - SO504288
 AU - JACOBSON, MICHAEL; PALONSKY, STUART
 TI - SCHOOL CAMPING AND ELEMENTARY SOCIAL STUDIES
 PD - JAN 76
 IS - CIJE76
 SO - SOCIAL EDUCATION; 40; 1; 44-6
 DE - *CAMPING; *OUTDOOR EDUCATION; *COURSE DESCRIPTIONS
 DE - *SOCIAL STUDIES; *TEACHING TECHNIQUES; ELEMENTARY EDUCATION
 AB - SOCIAL STUDIES ACTIVITIES FOR AN ELEMENTARY SCHOOL CAMPING TRIP ARE DESCRIBED. (DE)

ED - EJ133190
 CH - RC502038
 AU - KNAPP, CLIFFORD
 TI - OUTDOOR ENVIRONMENTAL VALUES CLARIFICATION
 PD - F-W 75
 IS - CIJE76
 SO - COMMUNICATOR; 7; 1; 9-11
 DE - *ENVIRONMENTAL CRITERIA; *ENVIRONMENTAL EDUCATION
 DE - *OUTDOOR EDUCATION; *STUDENT ATTITUDES; *VALUES; BIBLIOGRAPHIES
 AB - SIXTEEN STRATEGIES FOR OUTDOOR ENVIRONMENTAL VALUES CLARIFICATION
 ARE LISTED. A 22-ITEM SELECTED BIBLIOGRAPHY IS ALSO INCLUDED. (NQ)

ED - EJ133191
 CH - RC502039
 AU - DUNFORD, ELIZABETH
 TI - THE MAKING OF A THING OF BEAUTY
 PD - F-W 75
 IS - CIJE76
 SO - COMMUNICATOR; 7; 1; 14-18
 DE - *CLASS ACTIVITIES; *HANDICRAFTS; *LEARNING ACTIVITIES
 DE - *NATURAL RESOURCES; *OUTDOOR EDUCATION; ART ACTIVITIES
 DE - CURRICULUM ENRICHMENT; CULTURAL ACTIVITIES; GRADE 4
 DE - STUDENT PROJECTS
 AB - THE ARTICLE DESCRIBES A CLASS PROJECT WHICH INVOLVED DYEING YARN
 FROM THINGS OF NATURE AND USING THE YARN TO CREATE A DESIGN ON
 BURLAP. (NQ)

ED - EJ133192
 CH - RC502040
 AU - ROOT, SANDAL W.
 TI - ON THE TRAIL OF FOREST ECOLOGY
 PD - F-W 75
 IS - CIJE76
 SO - COMMUNICATOR; 7; 1; 20-2
 DE - *ECOLOGY; *ENVIRONMENTAL EDUCATION; *ELEMENTARY SCHOOL STUDENTS
 DE - *NATURAL RESOURCES; *TRAILS; CONSERVATION (ENVIRONMENT)
 DE - OUTDOOR EDUCATION
 IO - ENVIRONMENTAL STUDY TRAIL
 AB - THE ARTICLE DISCUSSES AN ENVIRONMENTAL STUDY TRAIL, AN ORGANIZED
 CONCEPT-BUILDING APPROACH TO LEARNING, WHICH IS FLEXIBLE ENOUGH
 TO BE ADAPTED TO VARIOUS OUTDOOR SETTINGS. (NQ)

ED - EJ133196
 CH - RC502044
 AU - HERMAN, HERBERT
 TI - A WINTER DREAM OF SUMMER WONDERS
 PD - F-W 75
 IS - CIJE76
 SO - COMMUNICATOR; 7; 1; 42-4
 DE - *EDUCATIONAL ALTERNATIVES; *EXTENDED SCHOOL YEAR
 DE - *INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION
 DE - *PROGRAM DESCRIPTIONS; CAMPING; MATHEMATICS INSTRUCTION
 DE - READING INSTRUCTION; SUMMER PROGRAMS
 AB - THE EXTENDED SCHOOL PROGRAM CONSISTS OF 3 PHASES: 1) A REMEDIAL
 READING AND MATHEMATICS PROGRAM IN SCHOOL; 2) AN EXCURSION
 PROGRAM IN THE METROPOLITAN AREA; AND 3) A SUMMER CAMP PROGRAM TO
 OVERCOME THE "SUMMER LAG". (AUTHOR)

ED - EJ133197
 CH - RC502045
 TI - THE MYSTERY OF ANIMAL TRACKING
 PD - F-W 75
 IS - CIJE76
 SO - COMMUNICATOR; 7; 1; 45-8
 DE - *ANIMAL BEHAVIOR; *CLASSIFICATION; *OUTDOOR EDUCATION; *TRACKING
 AB - A SIMPLE ANIMAL TRACK GUIDE IS GIVEN TO HELP STUDENTS AND
 TEACHERS RECOGNIZE SOME OF THE COMMON ANIMAL TRACKS FOUND IN MANY
 PARTS OF THE COUNTRY. THE TRACKS ARE DIVIDED INTO 3 BASIC
 CATEGORIES: 1) FLATFOOTS, 2) TOE-WALKERS, AND 3) TOE-NAIL
 WALKERS. (NQ)

ED - EJ133198
 CH - RC502046
 AU - JOSLIN, ROBERT O.
 TI - SCHOOL SITE ANALYSIS--AN INVENTORY OF RESOURCES
 PD - F-W 75
 IS - CIJE76
 SO - COMMUNICATOR; 7; 1; 49-50
 DE - *FACILITY INVENTORY; *OUTDOOR EDUCATION; *RESOURCES
 DE - *SCHOOL LOCATION; *SITE ANALYSIS; ENVIRONMENTAL INFLUENCES
 DE - INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES

ED - EJ133216
 CH - SE515440
 AU - GALINDEZ, PETER
 TI - HOPPERNAUTS: A SPACE-AGE LABORATORY
 PD - NOV/DEC 75
 IS - CIJE76
 SO - SCIENCE ACTIVITIES; 12; 6; 8-11
 DE - *BIOLOGY; *INTERDISCIPLINARY APPROACH; *SCIENCE ACTIVITIES
 DE - *SPACE SCIENCES; *UNITS OF STUDY (SUBJECT FIELDS); INSTRUCTION
 DE - OUTDOOR EDUCATION; SCIENCE EDUCATION; SECONDARY EDUCATION
 DE - SECONDARY SCHOOL SCIENCE
 AB - DESCRIBES A LIVELY INVESTIGATION TO INTERRELATE BIOLOGY, MATH,
 PHYSICS, AND CHEMISTRY WITH OUR NATIONS SPACE PROGRAM. SUGGESTED
 FOR USE WITH TENTH GRADE BIOLOGY STUDENTS WHEN DEALING WITH
 TOPICS RELEVANT TO ANIMAL STRESS REACTIONS. REFERENCES ARE CITED.
 (EB)

ED - EJ133221
 CH - SE515445
 AU - WACKER, DAVID G.
 TI - WATER STUDIES ON A LIMITED BUDGET? ASK A FISHERMAN
 PD - NOV/DEC 75
 IS - CIJE76
 SO - SCIENCE ACTIVITIES; 12; 6; 26-28
 DE - *INSTRUCTION; *LABORATORY EQUIPMENT; *OUTDOOR EDUCATION
 DE - *SCIENCE ACTIVITIES; *SCIENCE EQUIPMENT; EQUIPMENT
 DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION
 AB - DESCRIBES THE USE OF PIECES OF EQUIPMENT SUCH AS THE OXYGEN
 TEMPERATURE PROBE (OTB) COMMONLY USED BY FISHERMAN, FOR RESEARCH
 FIELD TRIPS. THE INSTRUMENT CAN BE USED IN CLASSROOM EXPERIMENTS
 AS WELL. OTHER EQUIPMENT DESCRIBED INCLUDES THE ELECTRONIC
 THERMOMETER AND OXYGEN MONITOR. (EB)

ED - EJ133342
 CH - SE515739
 TI - THE 1976 OUTING PROGRAM
 PD - JAN 76
 IS - CIJE76
 SO - SIERRA CLUB BULLETIN; 61; 1; 4-6I
 DE - *CAMPING; *FIELD TRIPS; *INSTRUCTIONAL TRIPS; *OUTDOOR EDUCATION
 DE - *RESIDENT CAMP PROGRAMS; BULLETINS; ENVIRONMENTAL EDUCATION
 DE - RECREATIONAL ACTIVITIES; SUMMER PROGRAMS; VACATION PROGRAMS
 ID - *SIERRA CLUB
 AB - THIS ISSUE PRESENTS A SUMMARY OF THE 1976 SIERRA CLUB OUTINGS.
 BRIEF DESCRIPTIONS ARE GIVEN OF EACH OUTING INCLUDING THE DATES,
 COSTS, DEPOSITS, AND LEADERS. THE OUTINGS OFFERED INCLUDE
 KNAPSACK TRIPS, SKI TOURING, UNDERWATER EXPLORATION, FOREIGN
 TRIPS, BICYCLE TRIPS, AND BURRO TRIPS. (MR)

ED - EJ133406
 CH - SE515803
 AU - HURLEY, KEVIN
 TI - THE SEEDS OF REVOLUTION
 PD - JAN 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 4; 13-15
 DE - *AGRICULTURE; *ELEMENTARY SCHOOL SCIENCE
 DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTION; *URBAN EDUCATION
 DE - ELEMENTARY EDUCATION; OUTDOOR EDUCATION; PLANTING
 DE - SCIENCE ACTIVITIES; SCIENCE EDUCATION
 AB - DESCRIBES AN INNER-CITY PROJECT WHICH UTILIZES A SKIT, GROUP
 STUDY, AND AUDIOVISUAL AIDS AND TEXTBOOKS TO TEACH GARDENING TO
 ELEMENTARY STUDENTS. (LS)

ED - EJ133414
 CH - SE515811
 AU - WOHLBERG, MARGARET
 TI - SCIENCE AT THE LOS ALAMOS RANCH SCHOOL
 PD - JAN 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 4; 41-42
 DE - CURRICULUM DEVELOPMENT; *INSTRUCTION; *OUTDOOR EDUCATION
 DE - *PROGRAM DESCRIPTIONS; *SECONDARY SCHOOL SCIENCE
 DE - ENVIRONMENTAL EDUCATION; INTERDISCIPLINARY APPROACH
 DE - SCIENCE EDUCATION; SECONDARY EDUCATION
 AB - DESCRIBES A SCIENCE CURRICULUM EMPHASIZING OUTDOOR EDUCATION THAT WAS IN EXISTENCE AT THE LOS ALAMOS RANCH SCHOOL FROM 1918 UNTIL 1943. (LS)

FD - EJ133556
 CH - SE516035
 AU - RILLO, THOMAS J.
 TI - EXPLORING WATER POLLUTION, PART 3
 PD - JAN/FEB 76
 IS - CIJE76
 SO - SCIENCE ACTIVITIES; 13; 1; 26-34
 DE - *ELEMENTARY SCHOOL SCIENCE; *INSTRUCTIONAL MATERIALS
 DE - *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *WATER RESOURCES
 DE - ELEMENTARY EDUCATION; EARTH SCIENCE; FIELD TRIPS; POLLUTION
 DE - SCIENCE EDUCATION
 AB - LISTS OVER 30 OUTDOOR SCIENCE ACTIVITIES DEALING WITH WATER FORMATION, EROSION, POLLUTION, AND OTHER WATER-RELATED TOPICS. PROVIDES, IN ADDITION, A SELECTED BIBLIOGRAPHY OF FILMS, TAPES, BOOKLETS AND PAMPHLETS, AND FILMSTRIPS AS ADDITIONAL REFERENCE MATERIALS. (CP)

ED - EJ136637
 CH - SE515326
 AU - SKINNER, RAY, JR.
 TI - ENVIRONMENTAL EDUCATION ROAD RALLIES
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 1; 21-26
 DE - *ENVIRONMENTAL EDUCATION; *ECOLOGY; *FIELD TRIPS; *INSTRUCTION
 DE - *OUTDOOR EDUCATION; FIELD INSTRUCTION; LEARNING ACTIVITIES
 AB - THE AUTHOR DEVELOPED A NEW FORMAT FOR ENVIRONMENTAL FIELD TRIPS WHERE PARTICIPANTS ARE NOT PASSIVE LISTENERS, BUT ACTIVELY INVOLVED. SLIDES THAT FAMILIARIZED PARTICIPANTS WITH THE CRITERIA FOR EVALUATING ENVIRONMENTAL QUALITY WERE USED PRIOR TO THE TRIP. PARTICIPANTS RECORDED POSITIVE AND NEGATIVE INDICATORS ON THE TRIP ESTABLISHING AN ENVIRONMENTAL QUALITY PER MILE SCALE FOR FUTURE DISCUSSION. (MR)

ED - EJ136646
 CH - SE515875
 AU - RAILTON, ESTHER P.
 TI - THE SWINGING DOOR: OPEN AND SHUT EDUCATIONAL ENVIRONMENTS
 PD - 75
 IS - CIJE76
 SO - NATURE STUDY; 29; 3&4; 1-2
 DE - *CURRICULUM; *ENVIRONMENTAL EDUCATION; *EDUCATIONAL ENVIRONMENT
 DE - *NATURE CENTERS; *OUTDOOR EDUCATION; CURRICULUM PROBLEMS
 DE - HUMANISTIC EDUCATION; OPEN EDUCATION; SOCIAL VALUES
 AB - THIS ARTICLE TREATS THE PROBLEMS OF OPENING THE STRUCTURE OF EXISTING OUTDOOR EDUCATION PROGRAMS TO KEEP PACE WITH TWO OPEN-ENDED TEACHING STRATEGIES BEING USED IN THE CLASSROOMS. OBSTACLES TO THIS OPEN STRUCTURE ARE DISCUSSED AND THE NEED FOR A HUMANISTIC, DISCOVERY APPROACH IN OUTDOOR EDUCATION IS STRESSED. (MA)

ED - EJ136647
 CH - SE515876
 AU - OLIVER, JANICE
 TI - TIPS FOR ENVIRONMENTAL EDUCATION AND INTERPRETATION... TIPS FOR
 ESTABLISHING A SCHOOL NATURE AREA
 PD - 75
 IS - CIJE76
 SO - NATURE STUDY; 29; 3&4; 5-6
 DE - *ENVIRONMENTAL EDUCATION; *NATURE CENTERS; *OUTDOOR EDUCATION
 DE - *PLANNING; *RESOURCE CENTERS; CONSERVATION EDUCATION; DEVELOPMENT
 DE - NATURAL RESOURCES; SCHOOL COMMUNITY PROGRAMS; SCIENCE EDUCATION

ED - EJ136650
 CH - SE515879
 AU - HAWLEY, BEVERLY
 TI - ENVIRONMENTAL LIVING PROGRAM AT OLD SHIPS MARITIME STATE HISTORIC
 PARK
 PD - 75
 IS - CIJE76
 SO - NATURE STUDY; 29; 3&4; 9-10
 DE - *ENVIRONMENTAL EDUCATION; *ELEMENTARY EDUCATION; *FIELD TRIPS
 DE - *OCEANOLOGY; *SOCIAL STUDIES; CURRICULUM ENRICHMENT; HISTORY
 DE - OUTDOOR EDUCATION
 ID - CALIFORNIA (CONCORD); CALIFORNIA (SAN FRANCISCO)

ED - EJ136651
 CH - SE515880
 AU - CASE, MARSHAL T., ED.
 TI - NEWS AND NOTES FOR ENVIRONMENTAL EDUCATION... THE BRIDGEPORT
 CONNECTION
 PD - 75
 IS - CIJE76
 SO - NATURE STUDY; 29; 3&4; 11
 DE - *ENVIRONMENTAL EDUCATION; *HIGHER EDUCATION; *OUTDOOR EDUCATION
 DE - *SUMMER INSTITUTES; *TEACHER EDUCATION; ECOLOGY; ENVIRONMENT
 DE - SCIENCE EDUCATION; URBAN EDUCATION; URBAN ENVIRONMENT
 ID - CONNECTICUT
 AB - THIS ARTICLE CONCERNS A SUMMER ENVIRONMENTAL EDUCATION INSTITUTE
 DESIGNED FOR INNER CITY TEACHERS. COURSE INSTRUCTORS CONCENTRATED
 ON FIRST-HAND EXPERIMENTAL LEARNING ACTIVITIES. TEACHERS WORKED
 ON SHORT STUDIES OF THE AREAS DESIGNED TO ACQUAINT THEM WITH THE
 NATURAL ENVIRONMENT. THE NEED FOR ENVIRONMENTAL EDUCATION IN
 URBAN SCHOOLS WAS STRESSED. (MA)

ED - EJ136684
 CH - SE516086
 AU - HUNGERFORD, HAROLD R.
 TI - MYTHS OF ENVIRONMENTAL EDUCATION
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 21-26
 DE - *ENVIRONMENTAL EDUCATION; *EDUCATIONAL ATTITUDES
 DE - *EDUCATIONAL PHILOSOPHY; *INSTRUCTION; *TEACHER ATTITUDES
 DE - EDUCATIONAL PROBLEMS; OUTDOOR EDUCATION; SCIENCE EDUCATION
 AB - DISCUSSED ARE SEVEN PEDAGOGICAL MYTHS OF ENVIRONMENTAL EDUCATION.
 THE MYTHS INCLUDE ECOLOGY AND OUTDOOR EDUCATION ARE SYNONYMOUS
 WITH ENVIRONMENTAL EDUCATION, HUMANISM IS EQUATED WITH STUDENT
 AUTONOMY, STUDENTS ARE NATURAL INVESTIGATORS, SCIENCE CAN RESOLVE
 ENVIRONMENTAL PROBLEMS, ONLY SCIENCE TEACHERS SUCCESSFULLY TEACH
 ENVIRONMENTAL EDUCATION, AND ENVIRONMENTAL EDUCATORS PRACTICE
 WHAT THEY PREACH. (MR)

ED - EJ136687
 CH - SE516089
 AU - CURRY, A. DUDLEY; WILLIAMS, ROBERT A.
 TI - GATHERING AND PREPARING WILD FOODS
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 44-47
 DE - *COMMUNITY EDUCATION; *ENVIRONMENTAL EDUCATION
 DE - *FOODS INSTRUCTION; *INSTRUCTION; *OUTDOOR EDUCATION; NUTRITION
 ID - SURVIVAL EDUCATION
 AB - DISCUSSED ARE THE APPLICATIONS OF GATHERING AND PREPARING WILD FOODS TO ENVIRONMENTAL, SURVIVAL, CAREER, AND COMMUNITY EDUCATION PROGRAMS. IT RECOMMENDS WILD FOODS ACTIVITIES BE USED TO STIMULATE SOCIAL AND HISTORICAL STUDIES OF "RETURN-TO-NATURE" LIFE STYLES. WILD FOOD STUDY ALSO EMPHASIZES MAN AS PART OF THE ENVIRONMENT. (MR)

ED - EJ136690
 CH - SE516092
 AU - REYBURN, JERRY H.; KNUDSON, DOUGLAS M.
 TI - THE INFLUENCE OF ADVERTISING ON ATTENDANCE AT PARK PROGRAMS
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 59-64
 DE - *ATTENDANCE PATTERNS; *COMMUNICATION PROBLEMS
 DE - *ENVIRONMENTAL EDUCATION; *PARKS; CAMPING; NATURE CENTERS
 DE - OUTDOOR EDUCATION; SUMMER PROGRAMS; VACATION PROGRAMS
 ID - *RESEARCH REPORTS
 AB - INVESTIGATED WERE THE EFFECTS ON ATTENDANCE OF FOUR TYPES OF PRE-PROGRAM ADVERTISING: NO ADVERTISING, PERSONAL INVITATION, SIGNS, AND INNOVATION. ALL THREE ADVERTISING TREATMENTS INCREASED PROGRAM ATTENDANCE OVER NO ADVERTISING. EACH ADVERTISING TECHNIQUE HAS ADVANTAGES AND DISADVANTAGES. SIGNS ARE IMPERSONAL, BUT EFFECTIVE. PERSONAL INVITATION IS TIME-CONSUMING BUT HUMANISTIC. (MR)

ED - EJ136699
 CH - SE516199
 AU - FALK, JOHN H.
 TI - OUTDOOR EDUCATION: A TECHNIQUE FOR ASSESSING STUDENT BEHAVIORS
 PD - MAR 76
 IS - CIJE76
 SO - SCHOOL SCIENCE AND MATHEMATICS; 76; 3; 226-230
 DE - *BEHAVIOR RATING SCALES; *EVALUATION; *MEASUREMENT INSTRUMENTS
 DE - *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; FIELD TRIPS
 DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION
 AB - DESCRIBES AN INSTRUMENT DEVELOPED TO QUANTITATIVELY EVALUATE THE PARTICIPATION LEVELS OF STUDENTS ON OUTDOOR EDUCATION ACTIVITIES. FROM PHOTOGRAPHS TAKEN AT TWO MINUTE INTERVALS, STUDENTS ARE ASSIGNED VALUES FOR THEIR OBSERVED BEHAVIORS. THE CORRELATIONS OF VALUES ASSIGNED BY SEVERAL JUDGES ARE SHOWN. (CP)

ED - EJ136789
 CH - SE516394
 AU - ASKHAM, LEONARD R.
 TI - THE EFFECTS OF PLANTS ON CLASSIFICATION BEHAVIOR IN AN OUTDOOR ENVIRONMENT
 PD - JAN 76
 IS - CIJE76
 SO - JOURNAL OF RESEARCH IN SCIENCE TEACHING; 13; 1; 49-54
 DE - *CLASSIFICATION; *EDUCATIONAL RESEARCH; *PLANT IDENTIFICATION
 DE - *SECONDARY SCHOOL SCIENCE; OUTDOOR EDUCATION; SCIENCE EDUCATION
 DE - SECONDARY EDUCATION
 ID - RESEARCH REPORTS
 AB - SECONDARY SCHOOL STUDENTS IN A CLASSIFICATION STUDY SPENT MORE TIME IN CLASSIFYING PLANTS IN A SEMINATURAL ENVIRONMENT THAN IN CLASSIFYING MAN-MADE GEOMETRICAL OBJECTS IN A CLASSROOM. NO DIFFERENCES WERE FOUND IN THESE RESULTS WITH RESPECT TO RACE, SEX, OR AGE. (MLH)

ED - EJ136990
 CH - SP504354
 AU - EZERSKY, EUGENE M.
 TI - ENRICHING EDUCATION WITH CAMPING PROGRAMS
 PD - OCT 75
 IS - CIJE76
 SO - JOURNAL OF PHYSICAL EDUCATION AND RECREATION; 46; 8; 51-2
 DE - *OUTDOOR EDUCATION; *CAMPING; *PHYSICAL EDUCATION
 DE - *SCHOOL RECREATIONAL PROGRAMS; *ENVIRONMENTAL EDUCATION
 DE - RECREATIONAL ACTIVITIES; LIFETIME SPORTS; RECREATIONAL PROGRAMS
 AB - SCHOOL CAMPING PROGRAMS ARE A MAJOR COMPONENT OF OUTDOOR
 RECREATION. MANY EDUCATIONAL DISCIPLINES CAN BE TAUGHT THROUGH
 CAMPING. (RC)

ED - EJ138549
 CH - RC502116
 AU - FERGUSON, SUSAN G.; NEBIKER, IRENE G.
 TI - DISCOVERY 18--DIGGING INTO THE PAST
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 2-9
 DE - *ARCHAEOLOGY; *ELEMENTARY SECONDARY EDUCATION; *LOCAL HISTORY
 DE - *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
 DE - EDUCATIONAL ALTERNATIVES; INTERDISCIPLINARY APPROACH
 ID - RHODE ISLAND (NORTH SMITHFIELD)
 AB - SEVERAL HUNDRED STUDENTS HAVE PARTICIPATED IN DIGGING AND
 EXPLORATION UNDER A PILOT PROJECT (FUNDED VIA TITLE III OF THE
 ELEMENTARY SECONDARY EDUCATION ACT AND SPONSORED BY THE
 NORTHFIELD SCHOOL DEPARTMENT OF RHODE ISLAND) WHICH HAS UTILIZED
 ARCHAEOLOGY AND LOCAL HISTORY AS VEHICLES FOR EDUCATIONAL
 ALTERNATIVES. (JC)

ED - EJ138550
 CH - RC502117
 AU - JUNE, CRISTINA
 TI - WE ARE CHANGING NATURAL EVOLUTION
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 10-11
 DE - *BIOLOGICAL INFLUENCES; *CONSERVATION (ENVIRONMENT)
 DE - *CHEMICAL INDUSTRY; *EVOLUTION; *OUTDOOR EDUCATION

ED - EJ138551
 CH - RC502118
 AU - LOUGHLIN, WILLIAM, JR.
 TI - INTEGRATING INDOOR AND OUTDOOR EDUCATION WITH A CAMERA
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 12-15
 DE - *CURRICULUM DEVELOPMENT; *CLASSROOM TECHNIQUES
 DE - *INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION; *PHOTOGRAPHY
 DE - EDUCATIONAL ALTERNATIVES; ELEMENTARY SECONDARY EDUCATION
 DE - INTEGRATED ACTIVITIES

ED - EJ138552
 CH - RC502119
 AU - SERRAO, JOHN
 TI - HARBINGERS OF SPRING
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 21-5
 DE - *BIOLOGY INSTRUCTION; *CLASSROOM RESEARCH; *ELEMENTARY EDUCATION
 DE - *OUTDOOR EDUCATION; SECONDARY EDUCATION
 ID - *AMPHIBIANS
 AB - EMPHASIZING THE SPRING MIGRATION OF FROGS, TOADS, AND SALAMANDERS TO THEIR WATERY BREEDING SITES, THIS ARTICLE PRESENTS INFORMATION ON NUMEROUS AMPHIBIANS AND SUGGESTS BOTH INDOOR AND OUTDOOR EDUCATIONAL ACTIVITIES APPROPRIATE FOR ELEMENTARY AND/OR EARLY SECONDARY INSTRUCTION. (JC)

ED - EJ138553
 CH - RC502120
 AU - LEINBACH, ERIC; JOSLIN, ROBERT
 TI - SIMPLE CARE OF REPTILES AND AMPHIBIANS
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 26-7
 DE - *BIOLOGY; *CHARTS; *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
 DE - PRESERVATION; SCIENCE ACTIVITIES; ELEMENTARY SECONDARY EDUCATION
 DE - FOOD
 ID - *AMPHIBIANS
 AB - PRESENTING DATA ON AMPHIBIANS, THIS ARTICLE DETAILS, VIA CHART, WHERE AND WHEN TO FIND TOADS AND FROGS FOR SCHOOL USE. (JC)

ED - EJ138554
 CH - RC502121
 AU - FOSTER, HERBERT L.; AND OTHERS
 TI - INDIVIDUALIZING STUDY IN THE OUTDOORS THROUGH A CONTRACT SYSTEM
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 29-33
 DE - *INDIVIDUALIZED INSTRUCTION; *LEARNING ACTIVITIES
 DE - *OUTDOOR EDUCATION; *PERFORMANCE CONTRACTS; BIBLIOGRAPHIES
 DE - LEARNING MOTIVATION
 ID - *CEMETERIES; INDIVIDUALIZED CURRICULUM CONTRACT SYSTEM; ICCS

ED - EJ138555
 CH - RC502122
 AU - VAN HORN, WILLIAM F.
 TI - PROJECT OCEANOLOGY: FOSTERING ENVIRONMENTAL AWARENESS AND CONCERN
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 34-41
 DE - *LEARNING LABORATORIES; *OUTDOOR EDUCATION; *OCEANOLOGY
 DE - *PROGRAM DESCRIPTIONS; RESOURCE CENTERS; ENVIRONMENTAL EDUCATION
 DE - ELEMENTARY SECONDARY EDUCATION; HISTORY; HIGHER EDUCATION
 ID - *PROJECT OCEANOLOGY; CONNECTICUT (GROTON)
 AB - SERVING AS AN EDUCATIONAL RESOURCE CENTER FOR CONNECTICUT PUBLIC
 SCHOOLS AND INSTITUTIONS OF HIGHER LEARNING, PROJECT OCEANOLOGY
 PROVIDED 256 PROGRAMS IN MARINE EDUCATION VIA A "FLOATING
 LABORATORY", A WATERFRONT LABORATORY, AND A CLASSROOM EQUIPPED
 FOR INDIVIDUAL STUDY. (JC)

ED - EJ138556
 CH - RC502123
 AU - AUGUST, IRWIN
 TI - ROOTS, FANDANNAS, AND BEANS
 PD - SPR-SU 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 42-6
 DE - *CLOTHING; *EQUIPMENT; *FOOD; *OUTDOOR EDUCATION; CAMPING
 DE - PLANNING
 ID - *BACKPACKING
 AB - DETAILING THE PROPER FOOD, CLOTHING, AND EQUIPMENT NECESSARY FOR
 SAFE AND COMFORTABLE BACKPACKING, THIS ARTICLE EMPHASIZES CAREFUL
 PLANNING. (JC)

ED - EJ138557
 CH - RC502124
 AU - FUGE, GEORGE C.; HILL, GREGORY A.
 TI - CORTLAND'S QUARTER CENTURY OF OUTDOOR EDUCATION
 PD - SPR-SUM 76
 IS - CIJE76
 SO - COMMUNICATOR; 7; 2; 48-50
 DE - *HISTORY; *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT
 DE - *RESOURCE CENTERS; ENVIRONMENTAL EDUCATION
 DE - ELEMENTARY SECONDARY EDUCATION; HIGHER EDUCATION
 DE - PROGRAM DESCRIPTIONS
 ID - *CORTLAND CENTER; ADIRONDACKS
 AB - EACH OF THE MORE THAN 50 PROGRAMS CONDUCTED ANNUALLY AT CORTLAND
 CENTER IN THE ADIRONDACKS AIM TOWARD DEVELOPING THE CONCEPT OF
 MAN IN HARMONY WITH NATURE. (JC)

ED - EJ139841
 CH - RC502153
 AU - YAMBERT, PAUL A.
 TI - OUTDOOR EDUCATION HAS TO GO
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 2-7
 DE - *CONSERVATION (ENVIRONMENT); *EDUCATIONAL PHILOSOPHY
 DE - *FUTURES (OF SOCIETY); *OUTDOOR EDUCATION; DEPLETED RESOURCES
 DE - ENVIRONMENTAL EDUCATION; ECOLOGICAL FACTORS; NEGATIVE ATTITUDES
 DE - RECYCLING
 AB - THE ARTICLE DISCUSSES SOME OF THE REASONS WHY OUTDOOR EDUCATORS
 ARE PESSIMISTIC ABOUT THE FUTURE OF THE ECOSYSTEM AND SOME OF THE
 REASONS FOR BEING OPTIMISTIC. (NQ)

ED - EJ139842
 CH - RC502154
 AU - SPITZNER, STUART H.
 TI - URBAN ENVIRONMENTAL EDUCATION: A DILEMMA, A SOLUTION, AND ANOTHER
 DILEMMA
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 8-10
 DE - *ECOLOGY; *EDUCATIONAL DEVELOPMENT; *ENVIRONMENTAL EDUCATION
 DE - *OUTDOOR EDUCATION; *URBAN ENVIRONMENT; CURRICULUM DEVELOPMENT
 DE - ELEMENTARY EDUCATION
 AB - A REPLICABLE DESIGN OF ENVIRONMENTAL STUDIES WHICH PLACES THE
 GREATEST EMPHASIS ON THE URBAN ECO-SYSTEM IS DISCUSSED. (NQ)

ED - EJ139843
 CH - RC502155
 AU - KIELSMEIER, JIM
 TI - EXPERIENCE AS AN INTERDISCIPLINARY FOCUS IN ALTERNATIVE PROGRAMS
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 11-13
 DE - *CURRICULUM DEVELOPMENT; *EDUCATIONAL ALTERNATIVES
 DE - *INTEGRATED ACTIVITIES; *INTERDISCIPLINARY APPROACH
 DE - COURSE ORGANIZATION; ENVIRONMENTAL EDUCATION
 DE - INSTRUCTIONAL INNOVATION; LEARNING EXPERIENCE; OUTDOOR EDUCATION
 DE - THE ARTICLE OFFERS THE SUGGESTION THAT INTERDISCIPLINARY UNITS
 CAN BE MAXIMIZED IF THEY INCLUDE SOME FORM OF FOCUSING
 EXPERIENCES AS PART OF THE MODULE AND GIVES SOME TIPS ON
 DEVELOPING SUCH A UNIT. (AUTHOR)

ED - EJ139844
 CH - RC502156
 AU - WINTER, LAREN R.; ROSE, KEN
 TI - A PROFESSIONAL-CULTURAL EXCHANGE OF EXPERIENCES IN OUTDOOR
 EDUCATION
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 13-15
 DE - *COLLEGE PROGRAMS; *CULTURAL EXCHANGE; *EXCHANGE PROGRAMS
 DE - *INTERINSTITUTIONAL COOPERATION; *OUTDOOR EDUCATION
 DE - PROGRAM DESCRIPTIONS
 ID - SOUTHWESTERN OKLAHOMA STATE UNIVERSITY
 ID - COLLEGE OF SANTA FE NEW MEXICO
 AB - THE EXCHANGE PROGRAM BETWEEN SOUTHWESTERN OKLAHOMA STATE
 UNIVERSITY (WEATHERFORD, OKLAHOMA) AND THE COLLEGE OF SANTA FE
 (NEW MEXICO) IS DESCRIBED. (NQ)

ED - EJ139845
 CH - RC502157
 AU - WOLFF, BIRGIT H.
 TI - HYPOTHERMIA, KNOW IT FOR WHAT IT IS: A POTENTIAL KILLER
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 15-17
 DE - *HEALTH; *MEDICAL TREATMENT; *OUTDOOR EDUCATION
 DE - *THERMAL ENVIRONMENT; EDUCATIONAL EXPERIENCE; FIRST AID
 DE - STRESS VARIABLES
 ID - *HYPOTHERMIA

ED - EJ139846
 CH - RC502158
 AU - MARTURANO, ARLENE
 TI - READING THE FUTURE
 PD - 75
 IS - CIJE76
 SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 18-19
 DE - *CONSERVATION (ENVIRONMENT); *ENVIRONMENTAL EDUCATION
 DE - *OUTDOOR EDUCATION; *READING; CONTEXT CLUES; ELEMENTARY EDUCATION
 DE - FUTURES (OF SOCIETY)
 AB - THE FIFTH GRADE CLASSROOM PROGRAM IN ENVIRONMENTAL EDUCATION AT GADSDEN ELEMENTARY SCHOOL (GADSDEN, SOUTH CAROLINA) AIMS TO DEVELOP AN INTELLIGENT EYE WHICH WILL FUNCTION MORE EFFECTIVELY IN READING THE SURROUNDINGS WHEN THE ENTIRE BODY IS IN TOUCH WITH THE EARTH AND ITS RESOURCES. (NQ)

ED - EJ139927
 CH - SE516413
 AU - LEWIS, CHARLES A.
 TI - NATURE CITY: TRANSLATING THE NATURAL ENVIRONMENT INTO URBAN
 LANGUAGE
 PD - 76
 IS - CIJE76
 SO - NATURE STUDY; 30; 1; 8-9
 DE - *ENVIRONMENTAL EDUCATION; *ECOLOGY; *FIELD TRIPS
 DE - *LEARNING ACTIVITIES; *URBAN EDUCATION; OUTDOOR EDUCATION

FD - EJ139948
 CH - SE516490
 AU - OSMON, CAROL
 TI - A 36,000-ACRE CLASSROOM
 PD - MAR/APR 76
 IS - CIJE76
 SO - SCIENCE ACTIVITIES; 13; 2; 13-16
 DE - *FIELD TRIPS; *OUTDOOR EDUCATION; *SCIENCE PROGRAMS
 DE - *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE; INSTRUCTION
 DE - SCIENCE EDUCATION; SECONDARY EDUCATION
 ID - *SCIENCE CAMPS
 AB - DESCRIBES THE SCIENCE ACTIVITIES AT A SCHOOL CAMP LOCATED IN THE
 SAN BERNADINO MOUNTAINS. EACH SIXTH-GRADE STUDENT IN THE LONG
 BEACH, CALIFORNIA SCHOOL DISTRICT ATTENDS THIS CAMP FOR ONE WEEK.
 (MLH)

ED - EJ140012
 CH - SE516594
 AU - GORDON, MARSHALL
 TI - MEASUREMENT ACTIVITIES FOR EXPLORING THE NATURAL ENVIRONMENT
 PD - 76
 IS - CIJE76
 SO - NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS YEARBOOK; 38; 163-174
 DE - *GEOMETRIC CONCEPTS; *INSTRUCTION; *LEARNING ACTIVITIES
 DE - *MEASUREMENT; *SECONDARY SCHOOL MATHEMATICS
 DE - ELEMENTARY SECONDARY EDUCATION; LABORATORY PROCEDURES
 DE - MATHEMATICS EDUCATION; OUTDOOR EDUCATION; PHYSICAL ENVIRONMENT
 AB - A SERIES OF OUTDOOR ACTIVITIES IS PROVIDED IN WHICH MEASUREMENT
 AND GEOMETRY ARE USED TO DESCRIBE PHENOMENA IN THE ENVIRONMENT.
 (SD)

ED - EJ140068
 CH - SE516654
 AU - BALLIN, ALICE
 TI - WOODLAND ACTIVITY BOOK
 PD - APR 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 7; 16-17
 DE - *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
 DE - *OBSERVATIONAL LEARNING; *SCIENCE ACTIVITIES; *SCIENCE MATERIALS
 DE - ELEMENTARY SCHOOL SCIENCE; ELEMENTARY EDUCATION
 DE - ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; SCIENCE EDUCATION
 AB - DISCUSSES A BOOK TO ENCOURAGE CHILDREN TO MAKE MORE ACCURATE
 OBSERVATIONS AND TO GAIN FURTHER INSIGHT INTO THE WONDERS OF
 NATURE. CONSIDERED MOST SUCCESSFUL WHEN USED WITH SECOND TO
 FOURTH GRADERS. A SELECTION OF PAGES ARE DESCRIBED. (EB)

ED - FJ140071
 CH - SE516657
 AU - BUSCHER, DICK
 TI - OUTDOOR EDUCATION IN THE SONORAN DESERT
 PD - APR 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 7; 20-21
 DE - *ENVIRONMENTAL EDUCATION; *FIELD STUDIES; *NATURAL RESOURCES
 DE - *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE; BIOLOGY
 DE - JUNIOR HIGH SCHOOL STUDENTS; OUTDOOR EDUCATION; SCIENCE EDUCATION
 DE - SECONDARY EDUCATION
 ID - DESERTS
 AB - AN EIGHT-DAY TRIP SEGMENT OF A SCIENCE CURRICULUM WAS SPENT IN THE OUTDOORS FOR STUDENTS WHO LIVE IN A POTENTIALLY DANGEROUS ENVIRONMENT TO LEARN TO RESPECT IT AND HOW TO USE IT AS AN AREA FOR RECREATION AND EDUCATION. THE DESIGN AND HIGH POINTS OF THE CURRICULUM ARE GIVEN. (EB)

ED - EJ140072
 CH - SE516658
 AU - LITTMAN, KAREN; BARON, DIANE T.
 TI - THE ENVIRONMENTAL APPROACH TO RECREATION SERVICES
 PD - APR 76
 IS - CIJE76
 SO - SCIENCE AND CHILDREN; 13; 7; 22-23
 DE - *ENVIRONMENTAL EDUCATION; *HANDICAPPED CHILDREN
 DE - *INTELLECTUAL DEVELOPMENT; *OUTDOOR EDUCATION
 DE - *RECREATIONAL ACTIVITIES; CREATIVE THINKING
 DE - ELEMENTARY SECONDARY EDUCATION; ENVIRONMENTAL INFLUENCES
 DE - LEARNING ACTIVITIES; SCIENCE EDUCATION
 AB - PRESENTS AN ENVIRONMENTAL RECREATION PROGRAM SET UP TO INITIATE AND IMPROVE UPON THE LEVELS OF PERSONAL AND SOCIAL FUNCTIONING OF THE HANDICAPPED CHILD. PROGRAMS ARE BASED IN COMMUNITY CENTERS OR PARKS, IN A NEIGHBORHOOD PLAY AREA OR NEAR A WOODS. IT IS CONSIDERED A NONTHREATENING APPROACH. (EB)

ED - EJ140136
CH - SE516722
AU - THOMSEN, KURT O.
TI - FIELD SEMINAR LIBRARY FOR EARTH SCIENCE DEPARTMENTS
PD - MAR 75
IS - CIJE76
SO - JOURNAL OF GEOLOGICAL EDUCATION; 23; 2; 49-51
DE - *COLLEGE SCIENCE; *EARTH SCIENCE; *FIELD TRIPS
DE - *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; HIGHER EDUCATION
DE - PRESERVICE EDUCATION; SCIENCE EDUCATION; TEACHER EDUCATION
AB - ADVOCATES A FIELD SEMINAR PROGRAM IN WHICH PROSPECTIVE EARTH
SCIENCE TEACHERS, AS WELL AS OTHER STUDENT PARTICIPANTS, MAY EARN
COLLEGE CREDITS FOR TAKING PART IN FIELD EXPERIENCES. (CP)

PART III: RIE AND CIJE SUBJECT INDEX

ABSTRACTS
 ED118306
 ACTIVITIES
 ED118342
 ED125838
 ACTIVITY LEARNING
 ED124365
 AFFECTIVE BEHAVIOR
 EJ128183
 AGRICULTURE
 EJ133406
 ANIMAL BEHAVIOR
 EJ133197
 ARCHAEOLOGY
 EJ138549
 ARCHITECTURAL BARRIERS
 ED113896
 ATTENDANCE PATTERNS
 EJ136690
 BEHAVIOR CHANGE
 ED111564
 BEHAVIOR RATING SCALES
 EJ136699
 BIOLOGICAL INFLUENCES
 EJ138550
 BIOLOGY
 EJ133216
 EJ138553
 BIOLOGY INSTRUCTION
 EJ138552
 CAMPING
 ED113150
 ED116910
 ED125841
 ED127073
 EJ130276
 EJ133342
 EJ136990
 CHARTS
 EJ138553
 CHEMICAL INDUSTRY
 EJ138550
 CLASS ACTIVITIES
 EJ133191
 CLASSIFICATION
 EJ133197
 EJ136789
 CLASSROOM RESEARCH
 EJ138552
 CLASSROOM TECHNIQUES
 EJ138551
 CLOTHING
 EJ138556
 CLUBS
 EJ123148
 COCURRICULAR ACTIVITIES
 EJ123148
 EJ123149
 COGNITIVE MEASUREMENT
 EJ126425
 COLLEGE PROGRAMS
 ED114421
 EJ139844
 COLLEGE SCIENCE
 EJ140136
 COMMUNICATION PROBLEMS
 EJ136690
 COMMUNITY ACTION
 EJ126428
 COMMUNITY EDUCATION
 EJ136687
 COMPARATIVE ANALYSIS
 ED116883
 CONCEPT FORMATION
 ED111564
 CONSERVATION (ENVIRONMENT)
 EJ123144
 EJ123145
 EJ138550
 EJ139841
 EJ139846
 CONSERVATION EDUCATION
 ED118306
 ED118307
 EJ128183
 EJ128187
 EJ128328
 COURSE DESCRIPTIONS
 EJ130276
 CULTURAL EXCHANGE
 EJ139844
 CURRICULUM
 EJ136646
 CURRICULUM DEVELOPMENT
 ED125852
 EJ133414
 EJ138551
 EJ139843

CURRICULUM ENRICHMENT
 ED118307
 CURRICULUM EVALUATION
 ED126638
 CURRICULUM GUIDES
 ED114254
 ED118342
 ED122969
 CURRICULUM GUIDES
 ED127111
 DAY CAMP PROGRAMS
 EJ126391
 DIRECTORIES
 ED111549
 ED116913
 ED118362
 ED121628
 ED125882
 DISADVANTAGED YOUTH
 EJ126391
 DISCOVERY LEARNING
 ED118339
 ED124365
 EJ128330
 EARLY CHILDHOOD EDUCATION
 ED122969
 EJ128330
 EARTH SCIENCE
 ED118347
 EJ140136
 ECOLOGY
 ED118347
 ED120014
 EJ123145
 EJ126653
 EJ133192
 EJ136637
 EJ139842
 EJ139927
 EDUCABLE MENTALLY HANDICAPPED
 ED116910
 EDUCATIONAL ALTERNATIVES
 ED114421
 EJ133196
 EJ139843
 EDUCATIONAL ATTITUDES
 EJ136684
 EDUCATIONAL DEVELOPMENT
 EJ139842
 EDUCATIONAL ENVIRONMENT
 EJ127238
 EJ136646
 EDUCATIONAL FACILITIES
 ED113150
 EJ123316
 EDUCATIONAL METHODS
 EJ126425
 EDUCATIONAL OBJECTIVES
 ED118336
 EJ127159
 EDUCATIONAL PARKS
 ED119958
 EDUCATIONAL PHILOSOPHY
 ED118307
 ED122993
 EJ136684
 EJ139841
 EDUCATIONAL PROGRAMS
 ED121628
 EDUCATIONAL RESEARCH
 EJ136789
 EDUCATIONAL RESOURCES
 ED125852
 ED125855
 EDUCATIONAL THEORIES
 ED114215
 ELEMENTARY EDUCATION
 ED118342
 ED122993
 EJ136650
 EJ138552
 ELEMENTARY GRADES
 ED118347
 ED119960
 ED119961
 ELEMENTARY SCHOOL CURRICULUM
 ED111554
 ELEMENTARY SCHOOL SCIENCE
 ED123055
 EJ133406
 EJ133556
 ELEMENTARY SCHOOL STUDENTS
 EJ127238
 EJ133192
 ELEMENTARY SCHOOLS
 ED118362
 ELEMENTARY SECONDARY EDUCATION
 ED113154
 ED125856
 ED125868
 EJ123147
 EJ126391
 EJ138549

ENVIRONMENT

ED120014

ENVIRONMENTAL CRITERIA

ED111564

EJ133190

ENVIRONMENTAL EDUCATION

ED111549

ED113154

ED114215

ED114254

ED116910

ED116913

ED118306

ED118347

ED118360

ED118362

ED119958

ED119960

ED119961

ED120014

ED121628

ED123055

ED125841

ED125852

ED125855

ED125856

ED125868

ED125882

ED127073

ED127111

EJ126425

EJ126428

EJ126650

EJ128178

EJ128183

EJ128184

EJ128187

EJ128323

EJ128325

EJ133190

EJ133192

EJ133406

EJ136637

EJ136646

EJ136647

EJ136650

EJ136651

EJ136684

EJ136687

EJ136690

EJ136990

EJ139842

EJ139846

EJ139927

EJ140064 *see p. 46*EJ140065 *see p. 46*

EJ140071

EJ140072

ENVIRONMENTAL INFLUENCES

ED113896

EJ140064 *see p. 46*

EQUIPMENT

EJ138556

ETHICAL INSTRUCTION

EJ123145

EVALUATION

EJ136699

EVALUATION METHODS

ED113113

ED125841

EJ128183

EVOLUTION

EJ138550

EXCHANGE PROGRAMS

EJ139844

EXTENDED SCHOOL YEAR

EJ133196

FACILITIES

ED111549

ED116913

ED118360

ED122993

FACILITY GUIDELINES

ED118360

FACILITY INVENTORY

EJ133198

FACILITY REQUIREMENTS

EJ128187

FARM VISITS

EJ126391

FIELD STUDIES

EJ126653

EJ140071

FIELD TRIPS

ED118342

ED126638

EJ133342

EJ136637

EJ136650

EJ139927

EJ139948

EJ140136

FOOD

EJ138556

FOODS INSTRUCTION
 EJ136687
 FORESTRY
 EJ128328
 FUTURES (OF SOCIETY)
 EJ139841
 GEOMETRIC CONCEPTS
 EJ140012
 GIFTED
 ED126638
 GUIDES
 ED114219
 HANDICAPPED
 EJ128184
 HANDICAPPED CHILDREN
 ED113896
 ED116387
 ED121051
 ED126638
 EJ140072
 HANDICAPPED STUDENTS
 ED118339
 HANDICRAFTS
 ED114219
 EJ133191
 HEALTH
 EJ139845
 HIGH SCHOOLS
 EJ123148
 EJ123149
 HIGHER EDUCATION
 ED118336
 EJ123144
 EJ136651
 HISTORY
 ED127102
 EJ138557
 INDEXES (LOCATORS)
 ED125882
 INDIVIDUALIZED INSTRUCTION
 EJ138554
 INSTRUCTION
 EJ133221
 EJ133406
 EJ133414
 EJ136637
 EJ136684
 EJ136687
 EJ140012

INSTRUCTIONAL AIDS
 EJ123316
 INSTRUCTIONAL MATERIALS
 ED113150
 ED113154
 ED118376
 ED119960
 ED119961
 ED123055
 ED125855
 ED125868
 ED127111
 EJ133556
 EJ138553
 EJ140068
 INSTRUCTIONAL TRIPS
 EJ133342
 INTEGRATED ACTIVITIES
 EJ139843
 INTELLECTUAL DEVELOPMENT
 EJ140072
 INTERDISCIPLINARY APPROACH
 EJ126650
 EJ133196
 EJ133216
 EJ138551
 EJ139843
 INTERINSTITUTIONAL COOPERATION
 EJ139844
 INTERMEDIATE GRADES
 ED119961
 INTERPRETIVE SKILLS
 EJ128184
 LABORATORY EQUIPMENT
 EJ133221
 LAND USE
 EJ128187
 EJ140065 *sep. 46*
 LEADERSHIP TRAINING
 EJ123144
 LEARNING ACTIVITIES
 ED118307
 ED118347
 ED125855
 ED125868
 ED127111
 EJ128325
 EJ128330

EJ133191	ED111549
EJ138554	ED111554
EJ139927	ED111564
EJ140012	ED113113
LEARNING LABORATORIES	ED114215
EJ138555	ED114219
LEARNING PROCESSES	ED114421
EJ127238	ED116387
LEGAL RESPONSIBILITY	ED116883
EJ123146	ED116913
LESSON PLANS	ED118306
ED125833	ED118307
LITERATURE REVIEWS	ED118336
ED113113	ED118339
ED114215	ED118342
LOCAL HISTORY	ED118360
EJ138549	ED118362
MEASUREMENT	ED119958
EJ140012	ED121051
MEASUREMENT INSTRUMENTS	ED122993
ED113113	ED124365
EJ136699	ED125838
MEDICAL TREATMENT	ED125841
EJ139845	ED125855
MENTAL RETARDATION	ED125856
EJ128184	ED125882
METHODS	ED127073
ED114219	ED127102
MODELS	EJ123144
ED126638	EJ123145
NATURAL RESOURCES	EJ123146
ED111554	EJ123147
ED114219	EJ123148
ED118376	EJ123149
EJ133191	EJ123316
EJ133192	EJ126425
EJ140071	EJ127159
NATURAL SCIENCES	EJ127212
ED122969	EJ127238
NATURE CENTERS	EJ128178
ED111549	EJ128183
ED116913	EJ128184
EJ136646	EJ128187
EJ136647	EJ128323
OBSERVATIONAL LEARNING	EJ128325
EJ140068	EJ128328
OCEANOLOGY	EJ130276
EJ136650	EJ133190
EJ138555	

EJ133191
 EJ133196
 EJ133197
 EJ133198
 EJ133221
 EJ133342
 EJ133414
 EJ133556
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 EJ136687
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 EJ138557
 EJ139841
 EJ139842
 EJ139844
 EJ139845
 EJ139846
 EJ139948
 EJ140065 *sep. 46*
 EJ140068
 EJ140072
 EJ140136

PARKS

EJ136690

PARTICIPANT SATISFACTION

ED124365

PERFORMANCE CONTRACTS

EJ138554

PHOTOGRAPHY

EJ138551

PHYSICAL ACTIVITIES

EJ123146

PHYSICAL EDUCATION

ED121793

EJ136990

PHYSICAL RECREATION PROGRAMS

ED121793

PLANNING

EJ136647

PLANT IDENTIFICATION

EJ136789

POPULATION EDUCATION

ED114254

PRESERVATION

EJ123145

PRIMARY EDUCATION

ED125838

PRIMARY GRADES

ED119960

ED123055

PRIVATE SCHOOLS

EJ127159

PROBLEMS

EJ123149

PROGRAM ADMINISTRATION

ED127073

PROGRAM ATTITUDES

ED124365

PROGRAM DESCRIPTIONS

ED114215

ED116387

ED118336

ED121051

ED121793

ED122993

ED127102

EJ123144

EJ127159

EJ127212

EJ133196

EJ133414

EJ138549

EJ138555

PROGRAM DEVELOPMENT

ED118336

ED118360

ED127102

EJ123147

EJ123148

EJ123149

EJ138557

PROGRAM EVALUATION

ED114421

ED121051

ED125841

EJ128178

PROGRAM PLANNING

ED113896

ED127073

PROGRAMS		
	ED111549	EJ140068
PUBLIC SCHOOLS		EJ140071
	EJ123147	EJ140136
RACIAL ATTITUDES		SCIENCE EDUCATION
	EJ127212	ED113154
READING		ED125856
	EJ139846	ED125868
RECREATION		ED125882
	ED111564	EJ126650
	ED116387	EJ128178
	ED118376	SCIENCE EQUIPMENT
RECREATIONAL ACTIVITIES		EJ133221
	EJ140072	SCIENCE FACILITIES
REFERENCE MATERIALS		EJ123316
	ED125852	SCIENCE INSTRUCTION
REGULAR CLASS PLACEMENT		ED122969
	ED126638	SCIENCE MATERIALS
RESEARCH UTILIZATION		EJ140068
	ED125841	SCIENCE PROGRAMS
RESIDENT CAMP PROGRAMS		EJ139948
	ED111554	SCIENCE PROJECTS
	ED113150	EJ123316
	ED118339	EJ126650
	EJ133342	EJ140064 <i>see p. 46</i>
RESIDENTIAL CENTERS		SECONDARY EDUCATION
	ED113113	ED114254
RESOURCE CENTERS		ED121793
	EJ136647	ED127111
	EJ138557	SECONDARY GRADES
RESOURCE GUIDES		ED116910
	ED125856	SECONDARY SCHOOL MATHEMATICS
RESOURCES		EJ140012
	ED127102	SECONDARY SCHOOL SCIENCE
	EJ133198	EJ133414
RURAL AREAS		EJ136789
	ED125838	EJ139948
SCHOOL LOCATION		EJ140071
	EJ133198	SECONDARY SCHOOLS
SCHOOL RECREATIONAL PROGRAMS		ED118362
	EJ136990	SELF CONCEPT
SCIENCE ACTIVITIES		ED114421
	ED122969	ED116883
	ED123055	SENSORY EXPERIENCE
	EJ126653	ED125838
	EJ133216	SITE ANALYSIS
	EJ133221	EJ133198
	EJ133556	SITE DEVELOPMENT
	EJ136699	ED119958
	EJ139948	SOCIAL STUDIES
	EJ140064 <i>see p. 46</i>	EJ130276
	EJ140065 <i>see p. 46</i>	EJ136650



SOIL CONSERVATION
 EJ128328
 SPACE SCIENCES
 EJ133216
 SPECIAL EDUCATION
 ED118339
 SPEECHES
 EJ126428
 STANDARDS
 EJ123146
 STATE PROGRAMS
 ED121628
 STATISTICAL ANALYSIS
 EJ126425
 STUDENT ATTITUDES
 EJ127212
 EJ133190
 STUDENT DEVELOPMENT
 EJ127238
 STUDENT EXPERIENCE
 EJ127159
 STUDENT INTERESTS
 EJ127212
 STUDENT TEACHING
 ED116883
 STUDY CENTERS
 ED125852
 SUMMER INSTITUTES
 EJ136651
 SUPERVISION
 EJ123146
 TEACHER ATTITUDES
 EJ136684
 TEACHER EDUCATION
 ED116883
 EJ128178
 EJ136651
 TEACHING GUIDES
 ED113150
 ED113154
 ED116910
 ED119960
 ED119961
 TEACHING TECHNIQUES
 EJ130276
 TESTING
 ED121051
 TEXTBOOKS
 ED111554
 THERMAL ENVIRONMENT
 EJ139845

TRACKING
 EJ133197
 TRAILS
 ED119958
 EJ133192
 UNITS OF STUDY (SUBJECT FIELDS)
 EJ133216
 URBAN EDUCATION
 EJ133406
 EJ139927
 URBAN ENVIRONMENT
 ED113896
 EJ139842
 VALUES
 EJ133190
 VOCATIONAL EDUCATION
 ED116387
 WASTES
 EJ140064 *see p. 46*
 WATER RESOURCES
 EJ133556

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Huntington Hall
Syracuse, NY 13202

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